

# **2011 SOIL GEOCHEMICAL ASSESSMENT REPORT**

**on the**

**MARIPOSA PROPERTY**

***Owned by Pacific Ridge Exploration Ltd.***

| <b>Claim Name</b> | <b>Grant Number</b> |  | <b>Claim Name</b> | <b>Grant Number</b> |
|-------------------|---------------------|--|-------------------|---------------------|
| AC 1-66           | YD64152-64217       |  | DORA 23           | YD31560             |
| AC 67-98          | YD64219-64250       |  | DORA 29           | YD64292             |
| AC 97A-98A        | YD64251-64252       |  | LOT 1             | YD64281             |
| AC 99-126         | YD64253-64280       |  | LOT 2             | YD64218             |
| AP 1-40           | YD16601-16640       |  | LOU 67-72         | YD30097-30102       |
| BID 50-69         | YE62385-62404       |  | LOU 107-120       | YD30137-30150       |
| BID 111-262       | YD156111-156262     |  | LOU 149-174       | YD30179-30204       |
| CAB 7-10          | YD30271-30274       |  | PM 1-24           | YD64301-64324       |
| CAB 27-30         | YD30291-30294       |  | PTL 1-39          | YC44279-44317       |
| CR 1-2            | YD106501-106502     |  | QE 14-41          | YD30315-30342*      |
| CR 3-19           | YD156003-156019     |  | QE 54             | YD31540             |
| CR 20-69          | YD156020-156069     |  | QE 55             | YD31520             |
| CR 101-107        | YD156101-156107     |  | QE 56-58          | YD31541-31543       |
| CR 109-110        | YD156109-156110     |  | QE 59             | YD31516             |
| CR 111-266        | YD156311-156466     |  | RUM RUN 37-40     | YC20208-20211       |
| DORA 13-16        | YD31550-31553       |  |                   |                     |

**Claim Sheets No 115O/01, 115O/02, 115J/15 and 115J/16**

**Latitude 63° 00' N, Longitude 138° 32' W**

**Dawson Mining District, Yukon**

**For Work Performed between August 2 and September 18, 2011**

**conducted by Pacific Ridge Exploration Ltd.**

**and All-in Exploration Solutions Inc.**

**by**

**Gerald G. Carlson, Ph.D., P.Eng.**

**April 18, 2013**

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## SUMMARY

The Mariposa Property (the “Property”) was acquired in September 2009, by way of an option agreement with the Tintina Syndicate that granted Pacific Ridge Exploration Ltd. (“Pacific Ridge”), the right to earn a 100% interest in the Property subject to a 2% NSR through making cash and share payments. With the success of the 2010 YMIP supported exploration program, Pacific Ridge expanded the property to comprise 1,477 claims covering a 30 x 10 km area, or approximately 265 km<sup>2</sup>.

The property is located 120 km southeast of Dawson City, Yukon. It is also 15 km southeast of the Underworld/Kinross White Gold discovery and 12 km east-northeast of Kaminak’s Coffee property. The Property lies within a regional major northwest trending structural corridor which hosts numerous gold and copper deposits.

The local geological setting of the Mariposa Property is similar to that of the White Gold and Coffee properties in terms of the host lithologies, the structural controls and brittle style of deformation and the style of gold mineralization. Prior exploration identified an open-ended 7 km long horizon of altered sulphide bearing quartz mica schist in the Skookum Zone area of the Property. This unit is locally flanked by intrusive and mafic rock units, a setting favorable for hosting a gold-mineralizing system.

The history of gold exploration within the Property dates to 1898, when gold was first discovered in Scroggie and Mariposa Creeks (Richards, 2005). The first mechanized placer-mining began in the mid 1950’s, while large scale mechanized placer-mining began in 1980 and has continued uninterrupted up until the present. It has been estimated that approximately 100,000 ounces of gold with a fineness of 905 has been produced from Mariposa and Scroggie Creeks.

The first lode gold exploration in the area was reported in 1917, when claims were staked over a reported quartz vein occurrence in the area of the Mariposa Creek placer workings in the general vicinity of the currently defined Skookum Zone anomaly. Interest in lode gold exploration picked up in the early 1970’s, with the porphyry copper exploration boom in the Dawson Range, but, it is only during the past 12 years that a sustained exploration effort has been carried out on the Property, including ridge and spur prospecting and geochemical sampling (rock, soil and silt) and, more recently with several localized soil grids throughout the claims. Pacific Ridge initiated the first mechanized trenching in 2010 with the first diamond drilling then initiated in 2011.

The Property is located within the central Dawson Range, southwest-central Yukon, where it forms part of a regionally extensive, northwest-southeast trending polymetallic mineral belt associated with Early Jurassic to latest Cretaceous magmatism. It lies entirely within the Yukon-Tanana Terrane (YTT), an accreted terrane separated from the Selwyn Basin and associated carbonate platform strata of the ancestral North American margin by the NW-SE trending Tintina Fault. The YTT consists of a belt of Late Devonian to Late Permian metamorphic rocks, including various metasedimentary and metavolcanic assemblages, and up to four distinct suites of calc-alkaline metaplutonic rocks (Mortensen, 1996; Colpron et al., 2006). In the Dawson Range, the YTT typically includes intercalated packages of metasedimentary and metavolcanic rock sequences predominantly composed of quartz-mica schist and diorite gneiss. The magmatic episodes are associated with penetrative deformation and metamorphic events ranging in age from late Paleozoic to Tertiary.



The Property is underlain by a polydeformed sequence of Permian through to Jurassic age metasedimentary and metaplutonic rocks that have been intruded by (i) discontinuous bodies of mafic – ultramafic intrusions, (ii) Cretaceous quartz monzonite and granite intrusions, and (iii) feldspar porphyry dykes and small intrusive plugs. The Permian – Jurassic rocks are considered to be ‘basement’ and host gold mineralization on the Mariposa property where they form a NW-striking, variably NE-dipping homoclinal sequence.

The 2011 work program consisted of a soil geochemical survey over two key areas of the Mariposa property; the Skookum Zone and the Alberta Creek Zone. Two types of sample were collected. C horizon samples were collected using a hand auger in non-permafrost areas. Where permafrost prevented access to the C horizon, an organic A horizon sample was collected. The budget for this Phase I program that is being applied as assessment work is \$199,555.

Two strong gold anomalies were defined at the Skookum Zone, Skookum Main and Skookum West. These two anomalies have an east-northeast trend and appear to be related to a structurally controlled bedrock source. Two other base metal signature anomalies have a northwesterly trend and appear to have an association with stratigraphy and possibly also VMS style mineralization. The more easterly of these intersects the Skookum Main anomaly where it contains some of the better gold values, so the intersection of the two styles of anomaly may have an important influence on the control of gold mineralization on the Property.

Three anomalous targets have been defined at Alberta Creek: Gold South, Gold North and Copper-Moly. The Gold South and Gold North targets are similar in nature and could be a part of one continuous anomaly. The second anomaly, the Copper-Moly Zone, has only a weak gold association but is interesting as a possible porphyry-style target.

## INTRODUCTION

The Mariposa Property (the “Property”) was acquired in September 2009, by way of an option agreement with the Tintina Syndicate that granted Pacific Ridge Exploration Ltd. (“Pacific Ridge”), the right to earn a 100% interest in the Property subject to a 2% NSR through making cash and share payments. With the success of the 2010 YMIP supported exploration program, Pacific Ridge expanded the property to comprise 1,477 claims covering a 30 x 10 km area, or approximately 265 km<sup>2</sup>.

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The local geological setting of the Mariposa Property is similar to that of the White Gold and Coffee properties in terms of the host lithologies, the structural controls and brittle style of deformation and the style of gold mineralization. Prior exploration identified an open-ended 7 km long horizon of altered sulphide bearing quartz mica schist in the Skookum Zone area of the Property. This unit is locally flanked by intrusive and mafic rock units, a setting favorable for hosting a gold-mineralizing system.

In this area, prior geochemical soil sampling at the western exposed end of the quartz-mica schist has defined an open ended, two kilometre long gold-in-soil anomaly containing values above 20 ppb gold

and ranging up to 1300 ppb gold. Additional soil sampling by Tintina Syndicate also outlined a second open-ended gold target, measuring a kilometer square and overlying nearby intrusive rocks. Samples collected from bedrock exposed by placer mining along Scroggie Creek have returned gold values up to 3 gpt from sulphide-bearing rocks.

All streams draining the Property are known to contain placer gold, of which Scroggie Creek has had over 100 years of placer gold production which continues today. The placer miners recovered rough, pristine gold nuggets ("hackly gold") near the headwaters of Mariposa Creek. This suggests the presence of nearby lode gold sources.

The Property has undergone sporadic prospecting efforts over the years in search of the bedrock source of the placer gold. However, it is only during the past 12 years that a sustained exploration effort has been carried out, including ridge and spur prospecting and geochemical sampling (rock, soil and silt) and, more recently with several localized soil grids throughout the claims. These endeavors led to the first trenching and diamond drilling programs that commenced in 2011.

In 2010, in an effort to define future drilling and trenching targets, auger soil sampling was conducted to the south of the Skookum Zone, over a 9 x 3 km grid centered on a south facing slope to the immediate north of Mariposa Creek. In 2011, this grid was expanded to improve coverage over the Skookum Main and Skookum West zones and to the north. Because of the difficulty in collecting C horizon samples in the permafrost that occurs within much of this area, a program of A horizon sampling was also carried out. Two non-contiguous soil grids were also completed in the Alberta Creek area towards the eastern end of the property. Samples were collected by personnel of the Company and contractor All-In Exploration Solutions Inc. of Whitehorse. Within the two grid areas, Skookum and Alberta Creek, a total of 5,882 soil samples were collected during the program, of which 2,459 are applied for credit in this report. The budget for this Phase I program that is being applied as assessment work is \$199,555. The program was designed and supervised by Janice Fingler, P.Geo., Vice President of Exploration for Pacific Ridge at the time of the field work.

The sampling program successfully defined two strong gold anomalies in the Skookum Zone, Skookum Main and Skookum West, and this work has guided subsequent trenching and drilling programs. Two strong gold anomalies have also been defined at Alberta Creek.

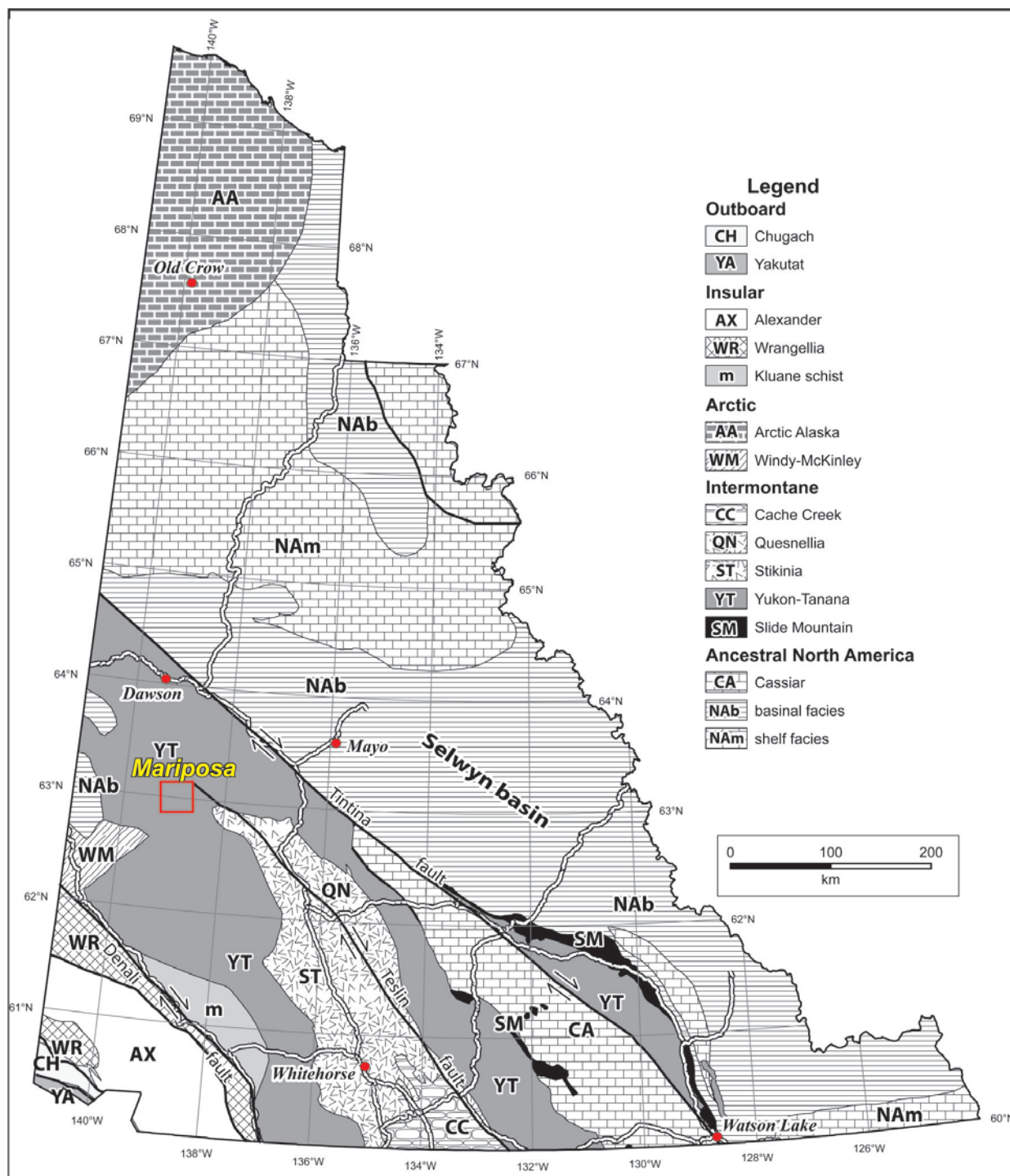


Figure 1. Yukon Location Sketch.

## LOCATION, ACCESS AND PHYSIOGRAPHY

The Mariposa Property is situated 120 km south of the Dawson City, Yukon, and is located within four 1:50,000 NTS topographic map sheets: 115O/1 & 2, 110J/15 & 16 (Figure 1). The property is accessible by helicopter or fixed-wing aircraft from Dawson City or Whitehorse, to a 750 m airstrip located within the Scroggie Creek valley, in the west-central portion of the Property. The Property is also accessible in summer by ATV from Pelly Farm on the north side of Pelly River, 40 km west of Pelly Crossing, a total distance of approximately 70 km. Winter road access may also be gained from Pelly Farm to Scroggie Creek. Within the Property, access by ATV is possible along existing placer mining roads which flank Scroggie and Mariposa Creeks. More distant parts of the Property are accessed by helicopter.

The property lies within an unglaciated portion of the Yukon Plateau. The topography is moderate, with low sinuous plateaus cut by narrow valleys and creeks that drain into the broader flat-bottomed valleys of Scroggie and Mariposa Creeks. These drainages are lined with gravels of past and present placer mining workings. Elevations in the area range from 900 m to 1150 m above sea level. Spruce and poplar trees are found on south-facing slopes while the north-facing slopes are sparsely treed with dwarf spruce. Permafrost is intermittent and is limited to north-facing slopes and valley bottoms. Much of the property was burned during a 2009 forest fire.

There is less than 5% outcrop exposed on the property. In the areas of drilling, overburden in the Mariposa Grid area has been shown to range from 2 to 6 m in depth. Much of the central Yukon is covered by a thin blanket of volcanic ash and tephra that resulted from recent eruptions in Alaska.

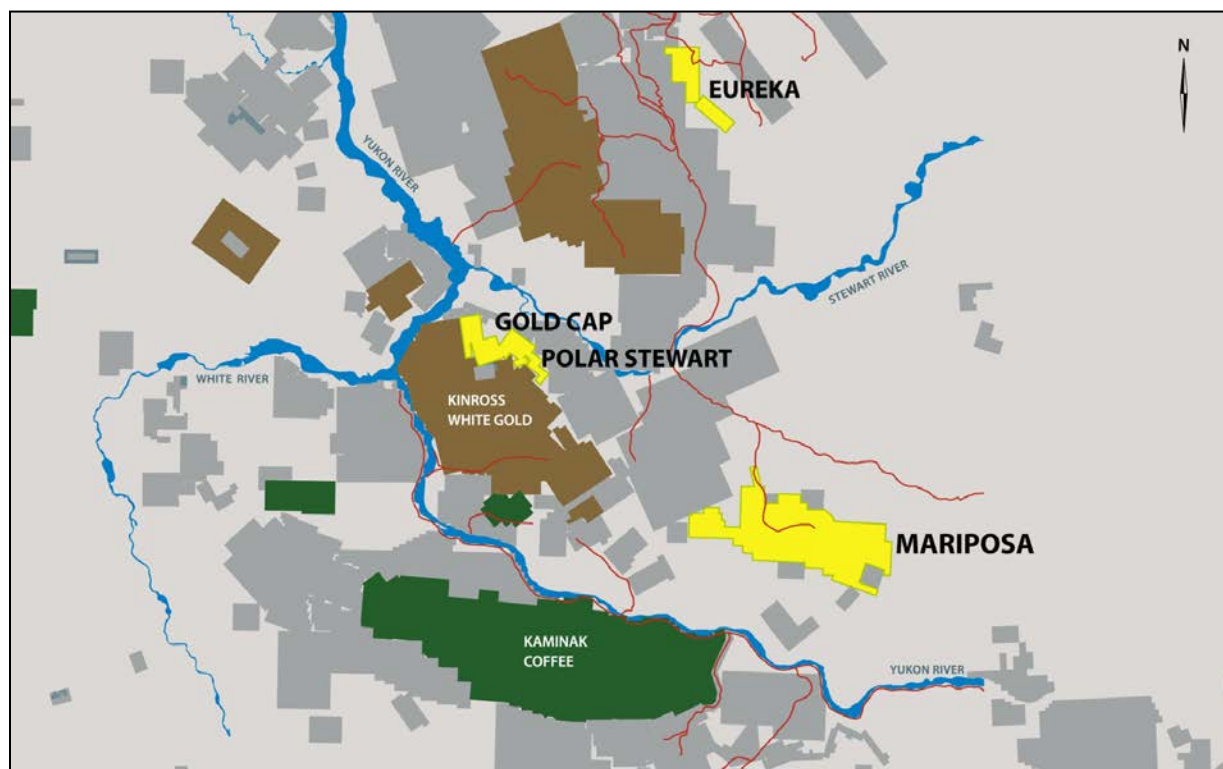


**Figure 2. White Gold District Location Sketch.**

## **CLAIM STATUS**

The Mariposa Property consists of 1,477 quartz claims within the Dawson Mining District, as listed in Appendix I (the "Property"). Of this number, 200 core claims are under option from Gordon G. Richards (Tintina Syndicate) under an agreement dated September 17, 2009 and the 39 PTL claims are under option from Glen MacDonald under an option agreement dated July 27, 2011 (see Figure 3).

## **PROPERTY HISTORY**

The history of gold exploration within the Property dates to 1898, when gold was first discovered in Scroggie and Mariposa Creeks. The first mechanized mining began in the mid 1950's, while large scale mechanized mining began in 1980 and has continued uninterrupted up until the present. It has been estimated that approximately 100,000 ounces of gold with a fineness of 905 has been produced from Mariposa and Scroggie Creeks (Richards, 2005).

The first lode gold exploration in the area was reported in 1917, (Richards, 2005) when claims were staked over a reported quartz vein occurrence in the area of the Mariposa Creek placer workings in the general vicinity of the current Skookum Jim anomaly.

In 1971 and 1972, Silver Standard Mines Limited and American Smelting & Refining Company prospected a copper-molybdenum porphyry occurrence (McMichael, 1973), located south of Scroggie Creek and just outside the Property boundary. Sparse mineralization observed related to a siliceous, medium-grained quartz-feldspar porphyry included finely disseminated chalcopyrite and pyrite. Finely disseminated molybdenite occurs as quartz vein fracture coatings in a quartz-rich breccia, approximately 130 m wide and unknown strike length. Soil sampling outlined a 1,000 m by 300 m plus 100 ppm Cu anomaly and a coincident 1,000 m by 250 plus 60 ppm Mo anomaly. McMichael concluded that Mo appeared to be the primary metal of interest in the system.

In 1980, Amax of Canada Limited (Booth et. al., 1980) completed additional soil sampling and confirmed the Cu-Mo soil anomaly and completed an IP geophysical survey which outlined a weak (1% sulphide content) chargeability anomaly beneath the soil anomaly. In addition to the Cu and Mo mineralization, one speck of native gold was observed in a schist specimen. Gold in soils was typically low, 10 ppb (detection limit), with a few samples in the 30 to 40 ppb range.

In 1986, Kerr Addison Mines Ltd. staked the Sizzler showing, now within a third party claim inside the eastern portion of the Mariposa property. The area of interest includes quartz stringers, stringer stockworks and silicified breccias over a 1.7 km diameter area (Pautler, 1986). Soil geochemistry failed to locate a significant gold anomaly, but two rock samples from the southwest margin of the silicified area assayed 1,050 and 400 ppb Au.

In 1986, Doron Exploration Inc. staked the Pyroxene Mountain claims, located just to the north of the Mariposa property (Wallis, 1987). The property was acquired in order to examine the potential for platinum group mineralization associated with the ultramafic rock units that underlie Pyroxene Mountain. Previous workers had noticed that placer gold in creeks with their headwaters on Pyroxene Mountain contained appreciable amounts of platinum group minerals. Work in 1987 (Waugh, 1988) included the collection of 1596 soil samples and 22 rock samples along 101 km of survey line. The survey



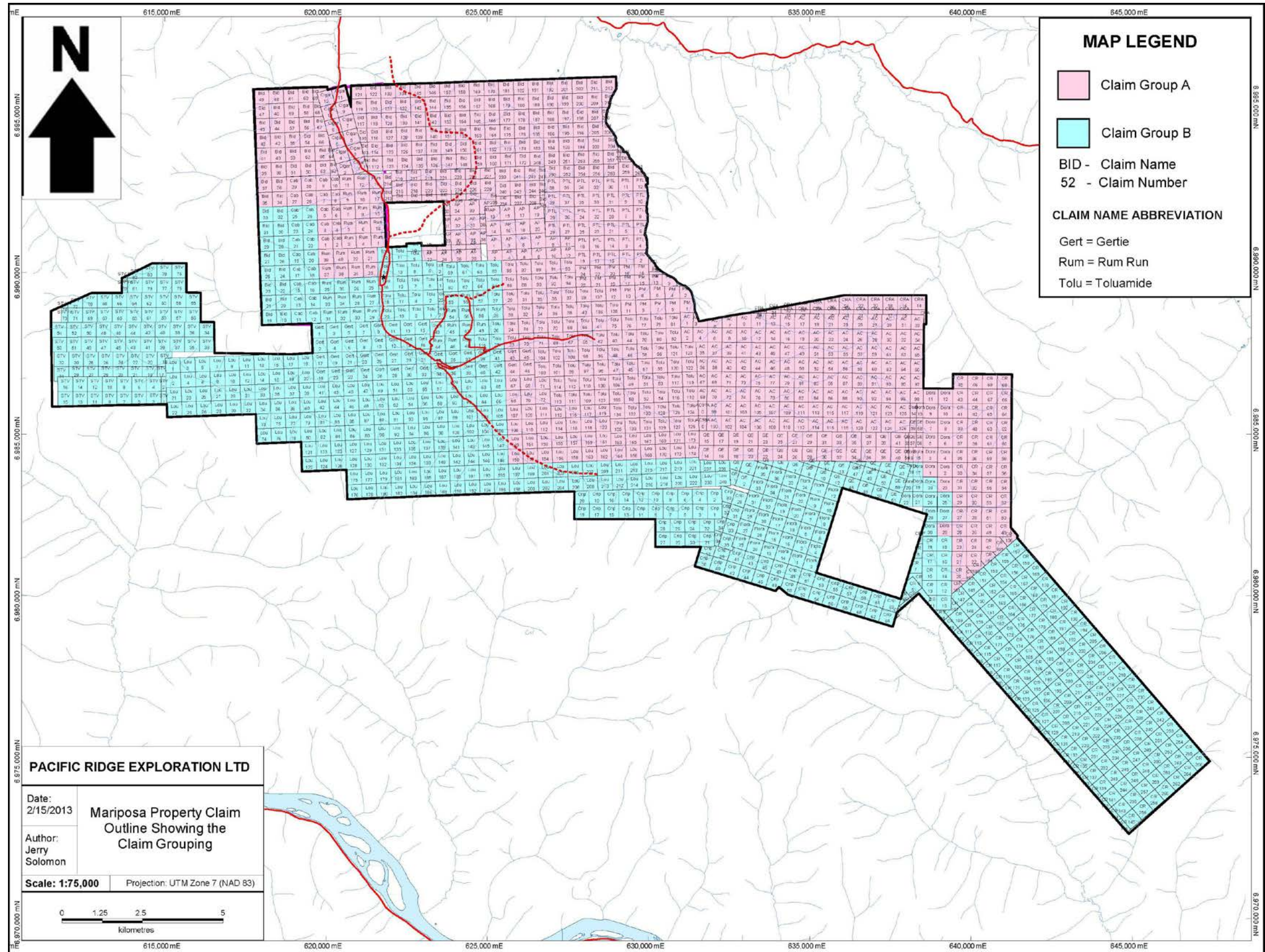


Figure 3. Mariposa Property Claim Map.



outlined two Pt-Pd soil anomalies as well as several other single point anomalies and one rock sample that assayed 0.444 opt Au.

In 1987, Ron McPhee staked the Wine and Fish claims, located within the current Property boundary, along the north side of Scroggie and Mariposa Creeks and in the area of Pacific Ridge's Skookum Jim anomaly (Minfile 1150-075). Initial exploration work defined a weak gold in soils anomaly north of upper Mariposa Creek.

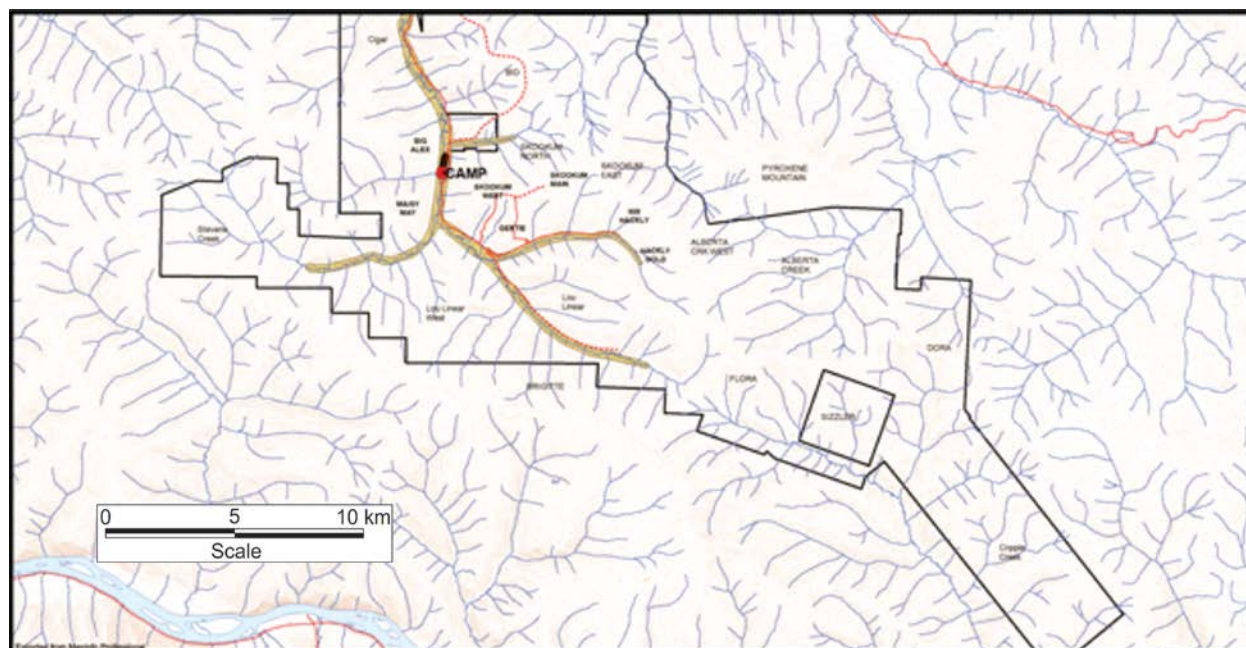


**Figure 4. Mariposa Property showing historical placer workings and main target areas.**

In 1988, D. Waugh (1989) completed a program of prospecting and the collection of 174 rock samples on the Fish and Wine claims. Most of the work was completed on the Fish 94 claim in an area at the intersection of two structural lineaments. Assay results were disappointing, mostly below 30 ppb, with the exception of three samples that ran 3.1 gpt, 2.6 gpt and 2.0 gpt Au.

During the 1988 placer mining season, Richards (2005) reports that mining cuts along Scroggie Creek downstream from Stevens Creek yielded abundant arsenopyrite crystals in the sluice concentrates over about 300 meters of workings. No source for the arsenopyrite was ever found during the course of excavation for placer mining.

Richards (2005) also reports that in 1990 a black sand sluice concentrate, containing coarse gold, was anomalous for several elements including Au, Ag, Bi, Pb, W and Sn. He concluded that this suite of elements could be indicative of an intrusion-related gold deposit. Pt and Pd values were also anomalous.

In 1990, Ron McPhee carried out an additional work program on the Irish and Kip claims on Pyroxene Mountain (Richards, 1991). The work included a VLF-EM survey and soil sampling. The soils were moderately anomalous in Cr, Ni and Cu. A VLF was defined conductor that correlates with a significant linear magnetic anomaly, interpreted to be caused by massive magnetite, conductive sulphides or serpentinization.

In 1996, Newmont Exploration Limited completed a one day property examination of the Bos and Stock claims on Pyroxene Mountain (Stammers, 1996). The examination was carried out in the area of the previous best results. However, these results could not be duplicated.

In 1999, Shawn Ryan staked the Scroggie 1-16 claims, along the east side of Scroggie Creek adjacent to the Rum Run claim group, and completed a program of prospecting and sampling. Ryan reported two anomalous silt samples of 77 ppb and 378 ppb, the latter near an occurrence of pegmatite. In 2000, Ryan added the Scroggie 17-24 claims.

Gordon Richards began prospecting the area in 1999 and staked the RUM RUN 1-20 quartz claims. In June 2000, Richards added the RUM RUN 21-50 and 53-59 claims. Initial work involved prospecting and limited soil sampling (Richards, 2001). The Pegmatite Zone, along Scroggie Creek on the Rum Run 1-20 claims, is defined by a gold-in-soil anomaly approximately 1 km in diameter, with associated moderate anomalies of Mo, Pb and Sb. Rock outcrops with anomalous gold values, up to 3,020 ppb, are associated with quartz stockwork in pegmatitic units. In July and August 2001 he completed a program of geochemical sampling, including 95 soils, 15 rock chips and 4 silt samples, mapping and a VLF-EM geophysical survey in an effort to locate the Scroggie fault.

During 2000, Morgan (2001) completed prospecting and geochemical sampling (11 soils, 5 rocks and 4 stream sediments) on the Wolf 1-42 and Pyrex 1-4 claims, adjoining the Rum Run claims along Scroggie Creek to the east. The highest gold value, from a soil sample, was 111 ppb Au.

Richards (2001A, B, C, D) reported that in 2001, gold-quartz pebbles with angular gold were obtained from a localized area of placer workings along Scroggie Creek, with a gold-in soil anomaly identified on the slope above this occurrence. He believed that this occurrence could indicate the possible importance of the Scroggie Fault or related splays in controlling bedrock gold mineralization. However, no bedrock gold source has yet been found in this area.

In July and August of 2003 Richards (2004) completed magnetometer surveys and limited geochemical sampling over the Pegmatite, QMS and East Zones. The magnetic surveys over the Pegmatite and QMS zones were generally featureless. Over the East Zone, linear highs trending southwesterly probably reflect mafic layers, parallel to the metamorphic foliation.

In 2005, Richards completed a magnetometer survey near the south end of the Scroggie airstrip and another magnetic survey on the east side of the property (Richards, 2005; Richards 2005 YMIP). The purpose of the surveys was to fill in areas between previous surveys in an effort to tie down the location of the Scroggie Fault. Richards suggests that a weak magnetic low along Scroggie Creek could be related to the fault. A strong mag high is associated with the contact between metamorphic rocks and the younger granodiorite. In addition, 8.5 km of VLF-EM surveying was carried out along 200 m spaced lines. No significant anomalies were detected.

In 2005, Richards (2006A) completed a program of mapping, sampling and a magnetometer survey on his East Zone. Of 42 soil samples collected, only a weak gold anomaly was defined with associated Bi-Pb-Te-As-Ag values. The magnetic survey detected linear trends reflecting compositional layering in metamorphic rocks.

During the 2006 field season, Richards completed an orientation mobile metal ion ("MMI") soil survey along selected lines throughout the property and dug a tractor trench along Scroggie Creek. Initial results from the MMI work were encouraging, with anomalous values in Au and Ag supported by



anomalous Zn, Mo and Pb, providing more discrete targets than conventional soil sampling. The trenching failed to locate mineralization related to the Scroggie Fault. Much of this exploration work was completed with the assistance of YMIP grubstake and target evaluation grants (Richards, 2006B).

In 2008, Richards (2009) completed a program of bedrock sampling from recent mining cuts along Scroggie Creek and MMI sampling along the base of slope west of the mining cuts on the Cigar claims, contiguous with the north end of the Rum Run claim block. Pyrite and pyrrhotite were noted in many of the rock samples, along with minor disseminated chalcopyrite. The samples contained weakly anomalous values of Cu and Mo, but not Au. The MMI samples showed only a weak Cu anomaly. The zone of potential copper mineralization is open to the north.

In 2008 and 2009, Richards added the Toluamide claims to the claim group.

In 2009, Richards completed a program of geochemical soil sampling and rock sampling over selected areas within the Toluamide claim group. In September, 2009, Richards optioned the Mariposa claim group, then including 203 mineral claims, to Pacific Ridge.

Pacific Ridge's 2010 exploration program included prospecting, rock sampling and grid soil sampling in the area of the newly discovered Skookum Jim anomaly and staked an additional 40 AP claims to the north. A total of 2,952 auger soil samples were collected. The survey defined a strong gold anomaly approximately 600 m by 1,100 with peak gold values to 1,570 ppb that was open to the north and west. To the east of Skookum Jim, locally elevated gold results were detected in areas of sporadic permafrost. Soil samples in the Hackly Gold, Maisy May and Big Alex areas also returned elevated gold results.

Also in 2010, with the assistance of a YMIP grant, Richards (2010) staked the 128 claim AC claim group in the Alberta Creek area and then carried out a geochemical survey, including 202 soil samples, two silt samples and 11 rock chip samples. Several of the soil samples reported moderately anomalous Au values (20 to 134 ppb) with supporting anomalous Mo, Pb, As and Sb. The AC claims were subsequently optioned to Pacific Ridge.

## **REGIONAL GEOLOGY**

The Property is located within the central Dawson Range, southwest-central Yukon, where it forms part of a regionally extensive, northwest-southeast trending polymetallic mineral belt associated with Early Jurassic to latest Cretaceous magmatism.

The Property lies entirely within the Yukon-Tanana Terrane (YTT), an accreted terrane separated from the Selwyn Basin and associated carbonate platforms strata of the ancestral North American margin by the NW-SE trending Tintina Fault. The NW-SE trending Denali or Shakhwak Fault, located approximately 190 km to the southwest forms the southwestern boundary of the YTT (Gordey and Makepeace, 1999).

The YTT consists of a belt of Late Devonian to Late Permian metamorphic rocks, including various metasedimentary and metavolcanic assemblages, and up to four distinct suites of calc-alkaline metaplutonic rocks (Mortensen, 1996; Colpron et al., 2006). In the Dawson Range, the YTT typically includes intercalated packages of metasedimentary and metavolcanic rock sequences predominantly composed of quartz-mica schist and diorite gneiss. The magmatic episodes are associated with penetrative deformation and metamorphic events ranging in age from late Paleozoic to Tertiary.

According to Colpron (2006), the Yukon Tanana Terrane consists of four unconformity-bounded tectonic assemblages: the basal siliciclastic Snowcap Assemblage, and three volcanic and volcanoclastic sequences including the Upper Devonian to Upper Mississippian Finlayson Assemblage, the Mid Mississippian to Lower Permian Klinit Assemblage and the Mid to Upper Permian Klondike Assemblage. A coeval oceanic sequence of chert, argillite and mafic volcanic rocks of the Slide Mountain Terrane is preserved discontinuously along the eastern margin of the YTT. A sequence of immature fine grained clastic rocks and polymictic conglomerate of Permian to late Triassic age overlie the strata of the YTT and adjacent Slide Mountain Terrane, as well as the Selwyn basin to the east.

Plutonic rocks of the mid-Cretaceous Dawson Range batholith intrude the Yukon-Tanana terrane over vast areas and consist of large bodies of granodiorite and quartz monzonite, and smaller high-level felsic porphyry plugs and sills. The Property is underlain by one of the larger bodies of this unit.

Locally, narrow ultramafic units of unknown age have been emplaced along major structures within the Yukon-Tanana terrane. Pyroxene Mountain, located immediately to the northeast of the Property, is cored by this ultramafic unit.

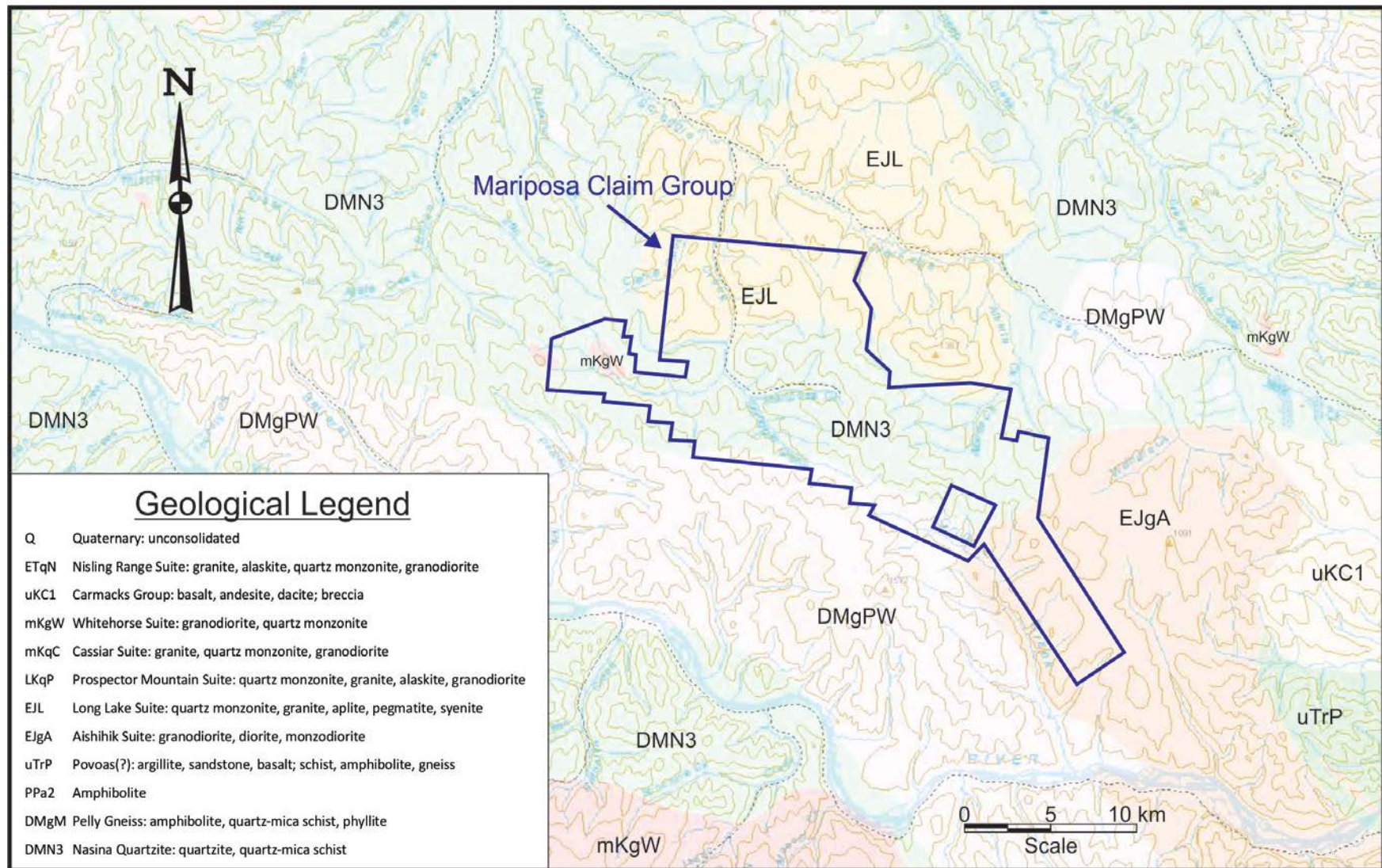


Figure 5. Mariposa property regional geology.

## PROPERTY GEOLOGY

The Mariposa property is located 120 km south of Dawson City and 315 km northwest of Whitehorse (Fig. 6). The property lies within the central Dawson Range, SW central Yukon, where it forms part of the regionally extensive, NW-SE trending polymetallic mineral belt associated with Early Jurassic to latest Cretaceous magmatism.

The Property occurs entirely within the Yukon-Tanana terrane and is underlain by a polydeformed sequence of Permian through to Jurassic age metasedimentary and metaplutonic rocks that have been intruded by (i) discontinuous bodies of mafic – ultramafic intrusions, (ii) Cretaceous quartz monzonite and granite intrusions, and (iii) feldspar porphyry dykes and small intrusive plugs. The Permian – Jurassic rocks are considered to be ‘basement’ and host gold mineralization on the Mariposa property where they form a NW-striking, variably NE-dipping homoclinal sequence. Polyphase ductile deformation is responsible for the intercalation of Permian gneiss and schist packages of diverse compositions, in addition to foliation development within Jurassic intrusions that occur within the basement terrain. Metamorphism associated with ductile deformation attained at least mid- Amphibolite facies as evidenced by the kyanite-muscovite  $\pm$  garnet,  $\pm$  magnetite  $\pm$  staurolite assemblage that has been reported on both sides of Scroggie Creek at the south end of the airstrip (Richards, 2005). At least two episodes of brittle faulting have been observed to post-date the ductile deformation on the Mariposa property, the older of the two brittle events is associated with gold mineralization. A geological map indicating the main gold exploration targets in the Property is shown in Figure 6. The map represents integration of field traverses by Pacific Ridge Exploration Ltd. staff in the Skookum West and Skookum Main zones, historical mapping by Gordon Richards (property vendor), fault and lineament interpretations derived from high resolution aeromagnetic data flown for the property and available regional government geological mapping.

### Devono – Mississippian Basement

Several schist and gneiss units have been mapped on the Mariposa property where they form part of the Devono – Mississippian Yukon-Tanana terrane basement. Mappable units of surface and recognized in drill core include:

- ✧ Mafic-intermediate hornblende gneiss – Compositionally banded gneiss package varying from locally ultramafic (hornblendite) to pegmatitic granitic-granodioritic horizons. The mafic-intermediate gneiss package is transitional into a banded quartz diorite gneiss.
- ✧ Banded quartz diorite gneiss is comprised centimetrically layered felsic, intermediate and mafic (biotite-rich) intervals but is often dominated by the presence of a moderately foliated quartz-diorite (McIntosh, 2012). Locally, narrow bands of fine ( $\leq 2$  mm) pink garnets have been noted in unit and mafic bands may show (sometimes intense) epidote alteration  $\pm$  secondary biotite and minor chalcopyrite (McIntosh, 2012).
- ✧ Granodioritic biotite gneiss is characterized by textures that vary from gneissose to weak to moderately foliated and is a medium grained, leucocratic rock. The granodioritic gneiss is intimately interleaved with biotite rich mafic-intermediate

hornblende gneiss unit. The granodiorite often exhibits distinctive sericite alteration clots when in the sericite alteration zone (McIntosh, 2012).

- ✧ Biotite Gneiss - Strongly foliated, melanocratic, fine-grained biotite-rich unit with variable biotite content but 40% - 50% is common. Biotite gneiss is often banded, with leucocratic units of foliated granodiorite.
- ✧ Granitic gneiss
- ✧ Felsic gneiss – quartz-sericite+/- talc gneiss unit exhibiting granoblastic textures and locally hosting early stage chalcopyrite-pyrite mineralization. The bleached colour of the gneiss package distinguishes it from other gneisses on the property.
- ✧ Quartz-muscovite-garnet schist – Strongly foliated, silvery- grey quartz muscovite schist with garnet porphyroblasts up to 2cm in diameter. This schist unit occurs immediate south of the Skookum West target and is associated with multi-element soil anomalies
- ✧ Marble – occurs as discontinuous lenses within felsic gneiss in the Alberta Creek target area

Of these map units, the granodioritic biotite gneiss to foliated biotite granodiorite represents the most important host lithology for gold mineralization.

## **Jurassic Intrusives**

Jurassic intrusive rocks occur north of the Skookum main and east of the Big Alex targets and vary from monzonitic to granitic in composition. Pegmatite is common and perthite is often observed. Jurassic intrusions are locally observed to cut Devonian-Mississippian basement rocks; however they have also undergone penetrative deformation and have variably developed mineral fabrics. These intrusions are not an important host to gold mineralization. A minor amount of gabbro variable to pyroxenite occurs at the eastern boundary of the property. The unit is continuous with exposures of ultramafic rocks that constitute Pyroxene Mountain. The age of this map unit is currently not known, however, weak to moderately developed mineral fabrics in the unit imply they pre-date at least some phase of ductile deformation.

## **Cretaceous and Younger Intrusives**

Several small plugs of Cretaceous quartz monzonite to granodiorite are illustrated on the geological map of the Mariposa property, however their occurrence needs to be verified. Quartz feldspar porphyry dykes and small intrusive bodies are located towards the eastern end of the property, in close proximity to the Sizzler target. In the vicinity of the Sizzler target, a NNW-trending dyke swarm is locally associated with anomalous gold. Dykes occurring in the swarm range from fine-grained, equigranular dacite with 1-2% disseminated pyrite to localized rhyolitic breccia.



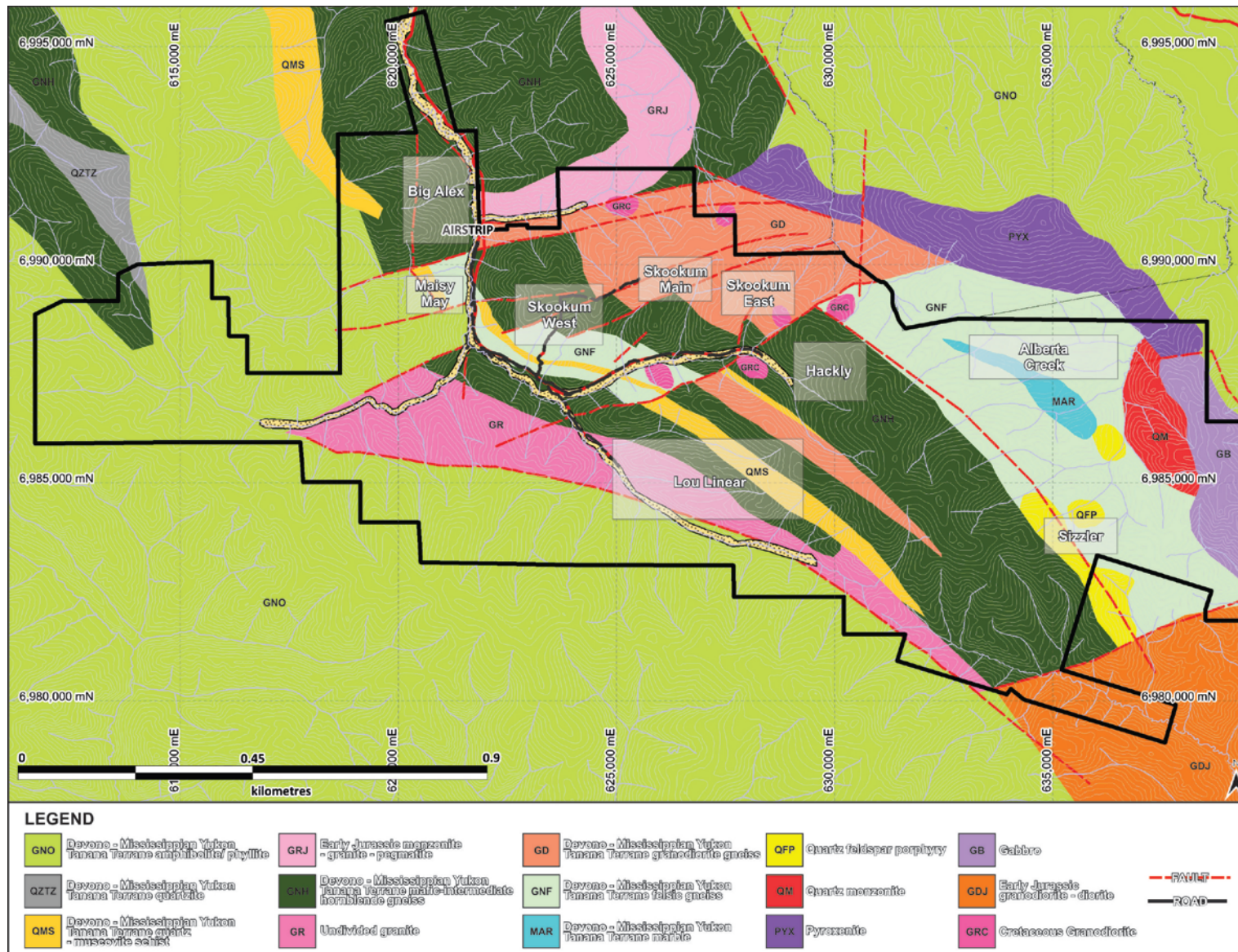


Figure 6. Mariposa property geology.

## Structure

Ductile deformation of basement lithologies is expressed as planar and linear metamorphic mineral fabric alignment (both schist and gneissose lithological units), leucosome formation and alkali feldspar augen development in more porphyroclastic units. The general geometry of the metamorphic basement rocks consists of a NW-striking, variable NE dipping homoclinal sequence, which is readily identified in the high resolution aeromagnetic data. At least two episodes of brittle faulting are recognized to post-date ductile deformation on the Mariposa property, including an ENE-trending sinistral fault system associated with gold mineralization, and a NE to NNE striking fault set that may offset the mineralized structures. A more detailed examination of gold mineralizing structures in the Skookum West and Skookum Main zones indicates that two primary orientations of structures are present and include N- to NNW and E- to ENE trending fault structures. This geometry is replicated on the Coffee property and also within the Golden Saddle deposit. Brittle faults are expressed as fault breccia, gouge and cataclasite development associated with sericite-alkali feldspar-pyrite and quartz alteration.

## 2011 WORK PROGRAM

The portion of the 2011 work program presented in this report consisted of a soil geochemical survey over two key areas of the Mariposa property; the Skookum Main Zone and the Alberta Creek Zone. Two types of sample were collected. C horizon samples were collected using a hand auger in non-permafrost areas. Where permafrost prevented access to the C horizon, an organic A horizon sample was collected. The budget for this Phase I program that is being applied as assessment work is \$199,555. Sample locations are shown in Figures 7 (by soil sample type) and 8 (by analytical certificate). Analytical certificates are included in Appendix II and complete sample results are tabled in Appendix III.

Samples were collected by personnel of the Company and contractor All-In Exploration Solutions Inc. of Whitehorse. Crews were transported by ATVs and helicopter to the sample grids. For safety and for support carrying samples during longer traverses, crews worked in teams. Figure 7 shows the survey areas within the Property while Figures 8a and 8b show greater detail of the sample grids. In most cases, samples were collected at 50 m intervals along 100 m spaced lines, except where no sample could be collected due mainly to permafrost. In areas of greater interest, sample spacing was reduced to 25 m. In the central Skookum grid, samples were collected at 25 m intervals on 50 m spaced lines.

Within the two grid areas, Skookum and Alberta Creek, a total of 5,882 soil samples were collected during the program, of which 2,459 are applied for credit in this report. The budget for this Phase I program that is being applied as assessment work is \$199,555. The program was designed and supervised by Janice Fingler, P.Geo., Vice President of Exploration for Pacific Ridge at the time of the field work.

The coordinates of planned grid stations (UTM NAD 83, Zone7) were uploaded to handheld Garmin 60C GPS units prior to traverses and were then used by crews to navigate in the field. All sample sites were marked in the field with flagging and tyvek tags.

All C horizon samples were collected using a one metre long Edelman Dutch hand auger and were gathered from depths ranging from 20 to 60 cm. A horizon samples were collected from within a few cm of surface.

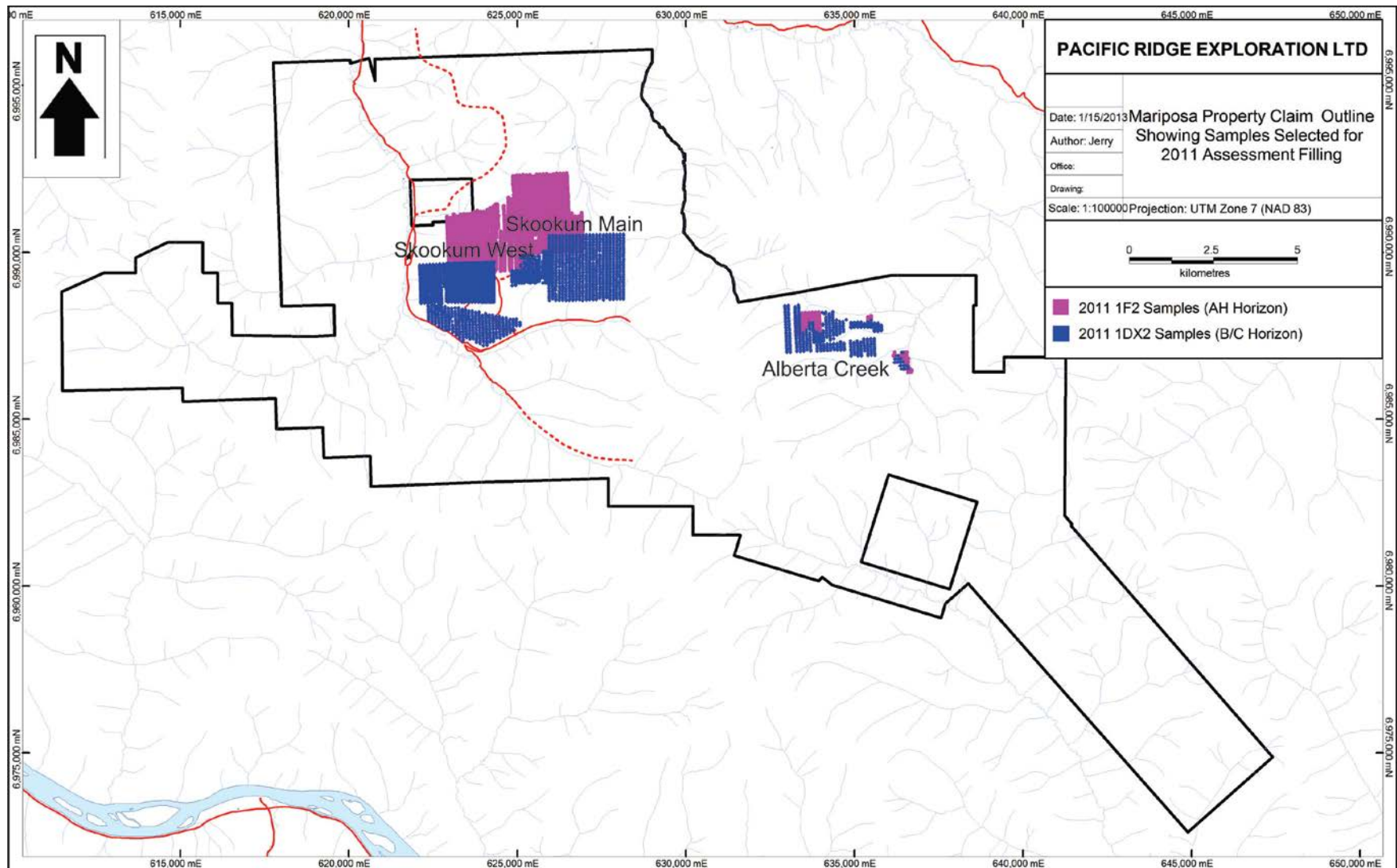


Figure 7. 2011 soil grids over Skookum and Alberta Creek grids showing 1DX2 and 1F2 sample locations.



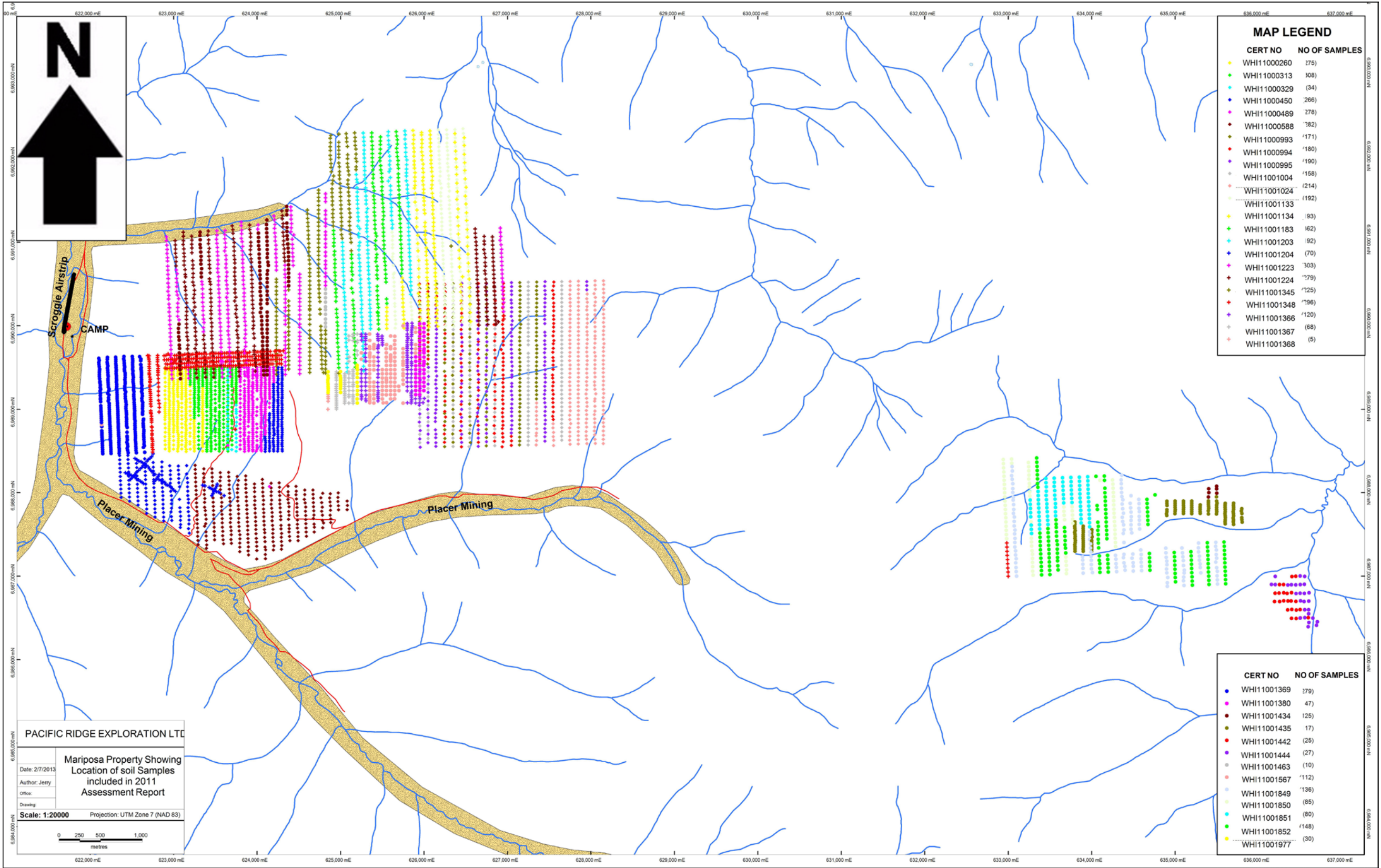


Figure 8. 2011 soil sample location coded by analytical certificate.

The sample numbers used are shortened versions of the actual GPS coordinates, assigning only the last 5 digits of both the east and the north UTM coordinate. Sample numbers therefore had 10 digits, with a space separator. A total of 400 to 500 grams of soil was collected and placed in well- marked kraft soil bags. These were packaged into sealed rice bags, flown to Dawson City by charter, and were delivered to the Acme Analytical freight service by Small's Expediting. Soil samples were received and processed by the Acme Lab facility in Whitehorse and pulps were forward to Vancouver for analysis. Samples were analyzed for 36 elements using an Aqua Regia digestion and an ICP-MS finish (1DX). Acme Analytical Labs is an ISO9001 accredited facility which conducted full internal QA-QC with the insertion and monitoring of standards, blanks and duplicates.

## 2011 SOIL SURVEY RESULTS

Anomalous results have been discriminated by calculating percentiles from the 3,894 C horizon samples collected (Table 1) and the 1,988 A horizon samples collected (Table 2). These values were used to construct bubble plots for nine key elements for each of the two survey areas, Skookum and Alberta Creek. Circles were used for the 1DX2 analyses and squares for the 1F2 analyses. Results from the Skookum Zone are shown in Figures 9 to 17 and results from Alberta Creek are shown in Figures 17 to 26.

In general, gold values from C horizon soils above 300 ppb are taken to be anomalous and above 50 ppb as significantly anomalous. In this study, the 90<sup>th</sup> percentile value of 1DX2 gold is 22.4 ppb and the 95<sup>th</sup> percentile is 45.9 ppb. Any values above this number are taken to be strongly anomalous. The 97.5<sup>th</sup> and 99<sup>th</sup> percentile values are added to provide anomaly definition. Where several "strongly anomalous" samples occur in a cluster, the resulting soil anomaly definitely requires follow-up exploration.

The same percentile levels, symbols and colours have been used for all other elements compared in this presentation. Correlations among the various metals can be observed when comparing the various maps. Such correlations can sometimes provide further support for a defined anomaly and may also provide clues as to the possible style of mineralization being reflected by the anomaly.

**Table 1. Percentile Thresholds for C Horizon (1DX2) Samples**

| Percentile | Mo(ppm) | Cu(ppm) | Pb(ppm) | Zn(ppm) | Ag(ppm) | As(ppm) | Au(ppb) | Sb(ppm) | Bi(ppm) |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 99         | 9.4     | 143.4   | 167.5   | 215.0   | 0.9     | 46.0    | 152.1   | 1.1     | 4.4     |
| 97.5       | 5.8     | 87.4    | 66.0    | 160.0   | 0.6     | 26.0    | 79.4    | 0.8     | 1.5     |
| 95         | 4.0     | 62.4    | 32.2    | 129.0   | 0.4     | 15.1    | 45.9    | 0.6     | 0.6     |
| 90         | 2.8     | 44.7    | 18.4    | 107.0   | 0.3     | 9.9     | 22.4    | 0.5     | 0.3     |
| 75         | 1.7     | 30.2    | 11.5    | 85.0    | 0.2     | 7.6     | 8.0     | 0.4     | 0.2     |

**Table 2. Percentile Thresholds for A Horizon (1F2) Samples**

| Percentile | Mo(ppm) | Cu(ppm) | Pb(ppm) | Zn(ppm) | Ag(ppb) | Au(ppb) | As(ppm) | Sb(ppm) | Bi(ppm) |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 99         | 7.7     | 77.4    | 33.5    | 230.7   | 2762.4  | 19.5    | 6.7     | 0.7     | 0.4     |
| 97.5       | 5.8     | 60.6    | 17.3    | 150.4   | 1639.3  | 10.9    | 5.5     | 0.6     | 0.3     |
| 95         | 3.5     | 46.1    | 13.0    | 113.7   | 1224.3  | 8.1     | 4.7     | 0.5     | 0.3     |
| 90         | 2.1     | 35.5    | 10.2    | 81.4    | 897.1   | 5.2     | 4.0     | 0.4     | 0.2     |
| 75         | 1.3     | 24.1    | 7.7     | 53.9    | 427.0   | 2.8     | 2.9     | 0.3     | 0.2     |

## Skookum Zone Results

Two strong gold anomalies were defined at the Skookum Zone, Skookum Main and Skookum West. A third, linear anomaly, the Maisy Mae trend, appears to be stratigraphically controlled and has a base metal signature without gold. Other anomalous areas will be discussed in the text, below. The results from the Skookum Zone are shown as bubble plots in Figures 9 to 17.

### Skookum Main

The Skookum Main is defined by a strong cluster of anomalous gold in soil results (Figure 9), 1,500 m long by 1,000 m wide, where almost 50% of the samples are greater than 50 ppb Au and range up to 1946 ppb. Most of the soils that define the anomaly are C horizon, but the northern edge of the anomaly is defined by A horizon soils, with values up to 52.4 ppb Au. The fact that the A horizon anomaly complements and fills out the adjacent C horizon anomaly suggests that A horizon sampling can be an effective way to define soil anomalies in permafrost areas.

The Skookum Main anomaly is also defined by silver (Figure 10), but the values are weak (<3 ppm) and the anomalous values cover only about half the area of the gold anomaly. There is virtually no arsenic response (Figure 11). There is a good correlation with molybdenum (Figure 12), which appears to extend the anomaly farther to the northeast than the gold values, in an area of A horizon sampling. Copper in soils supports the gold anomaly in part and shows a trend that is similar to silver. Bismuth and antimony (Figures 14 and 15) are weakly anomalous in Skookum Main. Both lead and zinc (Figures 16 and 17) are anomalous in the western portion of Skookum Main, somewhat similar to silver and copper.

Assuming that the soils are reflecting metal values in bedrock that are in reasonable proximity to their bedrock source in this area of residual soils, the anomaly pattern suggests at least two metal sources in the area of the Skookum Main Zone. The first is an east-northeast trending structurally controlled zone with an Au-Mo+/-Ag+/-Sb signature. This is intersected by a likely stratigraphically controlled, northwest trending Ag-Cu+/-Bi+/-Pb+/-Zn base metal signature. This latter zone is parallel to but less well defined than the Maisy Mae trend to the southwest, described below, with the same signature.

The strongest portion of the gold anomaly correlates with the intersection of the structural gold trend and the stratigraphically controlled base metal trend, suggesting that the point of intersection of these two styles of anomaly may have been an important influence on the control of gold mineralization on the Property.



### **Skookum West**

This is a less intense gold anomaly, up to 606 ppb Au, it is smaller than Skookum Main, and it appears to have two structural trends; a main east-northeast trend and a secondary north-northeast trend at its eastern end. It has a weaker correlation with silver and antimony and virtually no anomalous arsenic, bismuth, lead or zinc. There are strong molybdenum values associated with this anomaly, but they are very localized, in the core of the anomaly and in the extreme northeast corner.

There does not appear to be the northwest trending base metal association with this anomaly, but this may be due in part to the lack of sampling, particularly to the southeast of the zone.

The Skookum West anomaly is secondary in terms of strength, size and supporting metals when compared with Skookum Main.

### **Maisy Mae Trend**

This is a strong, linear, west-northwest trending Pb-Zn-As-Bi-Ag that is also weakly anomalous in Mo. It appears to parallel stratigraphy and is similar in nature to the previously described base metal anomaly that intersects the Skookum Main zone. However, it is stronger and more tightly defined and it lacks a copper signature. It is 3,000 m in length and is open to the southeast and possibly also to the northwest. Further to the northwest, it aligns with the Maisy Mae target (see Figures 4 & 6), which Venessa Bennett has suggested might be caused by VMS style mineralization (pers.com.).

### **Other Targets**

Two other zones are worth noting. There is a significant antimony anomaly in the southeast corner of the area sampled. This is adjacent to the Hackly Zone (see Figures 4 & 6) and could be indicative of gold mineralization in that area.

The other is the area of A horizon sampling north and mainly northeast of Skookum Main. Silver, lead and zinc all define fairly strong anomalies, while there are anomalous but more dispersed values in copper and arsenic. Since there is no bedrock or evidence of what kind of bedrock source might cause these anomalies, an interpretation of this zone is difficult. It may be a continuation of the northwest-trending base metal zone or down slope dispersion from the Skookum Main Zone or related mineralization, or a combination of the two.

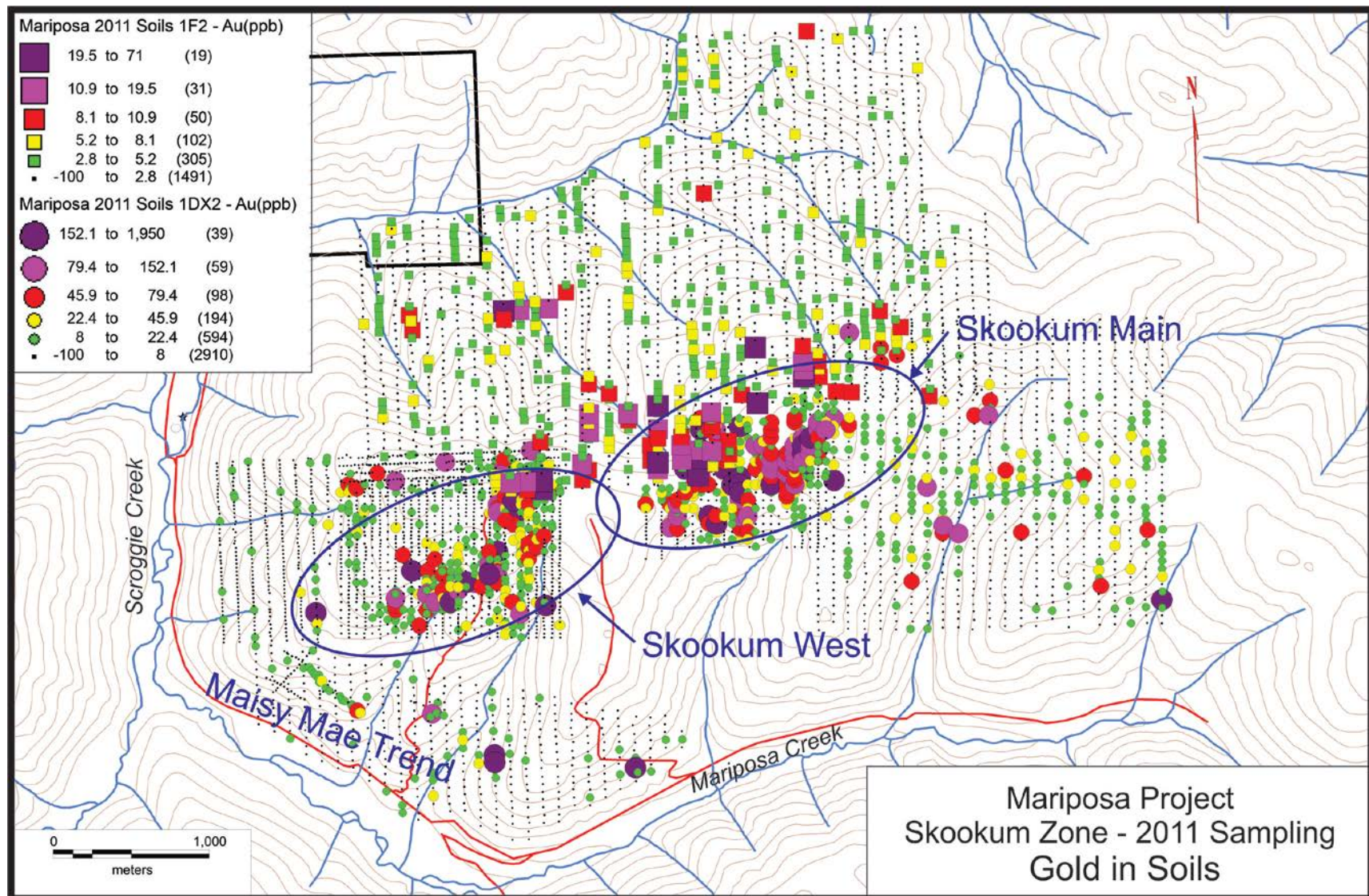


Figure 9. Skookum Zone - Gold in soils.



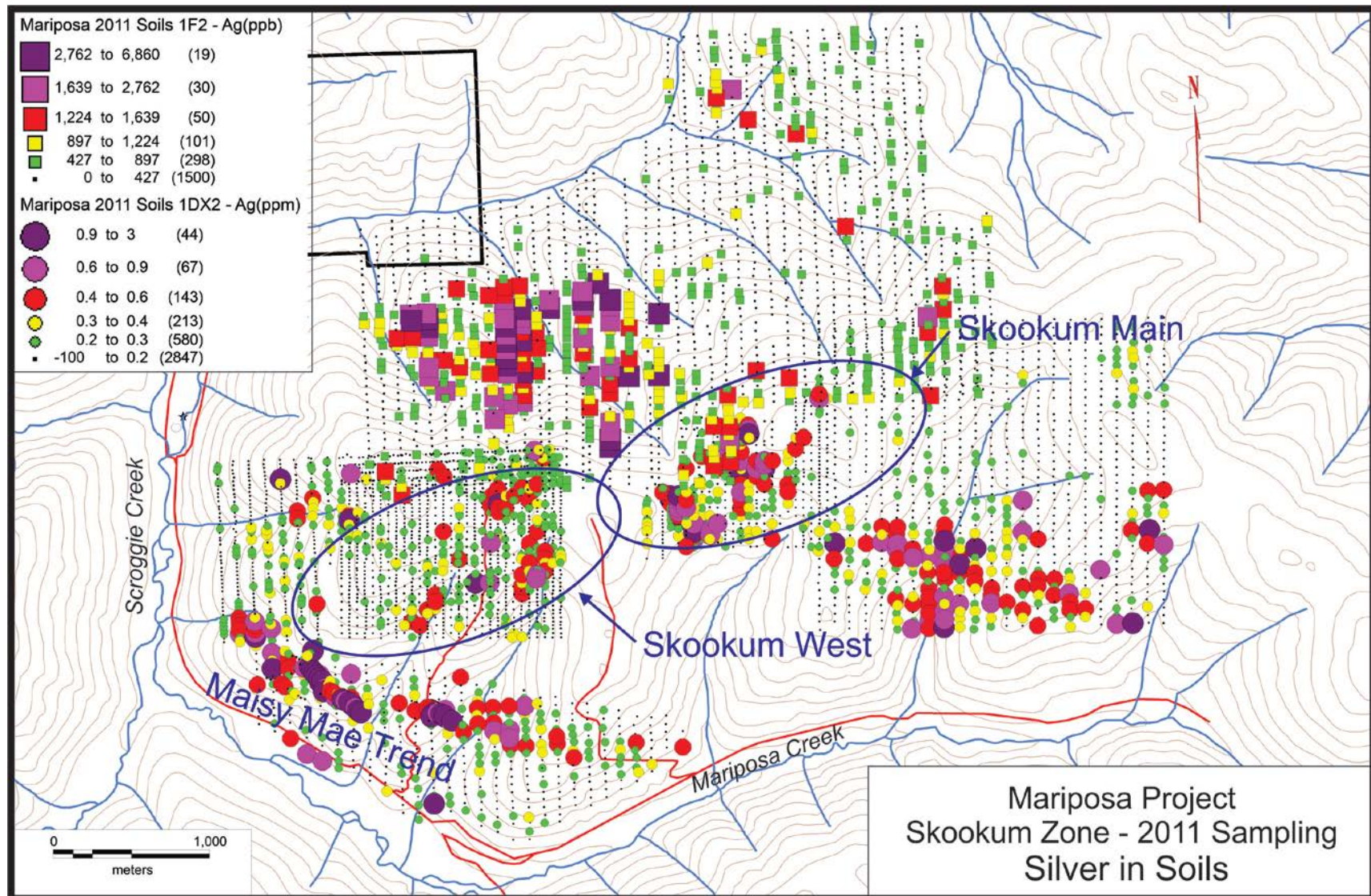


Figure 10. Skookum Zone - Silver in soils.



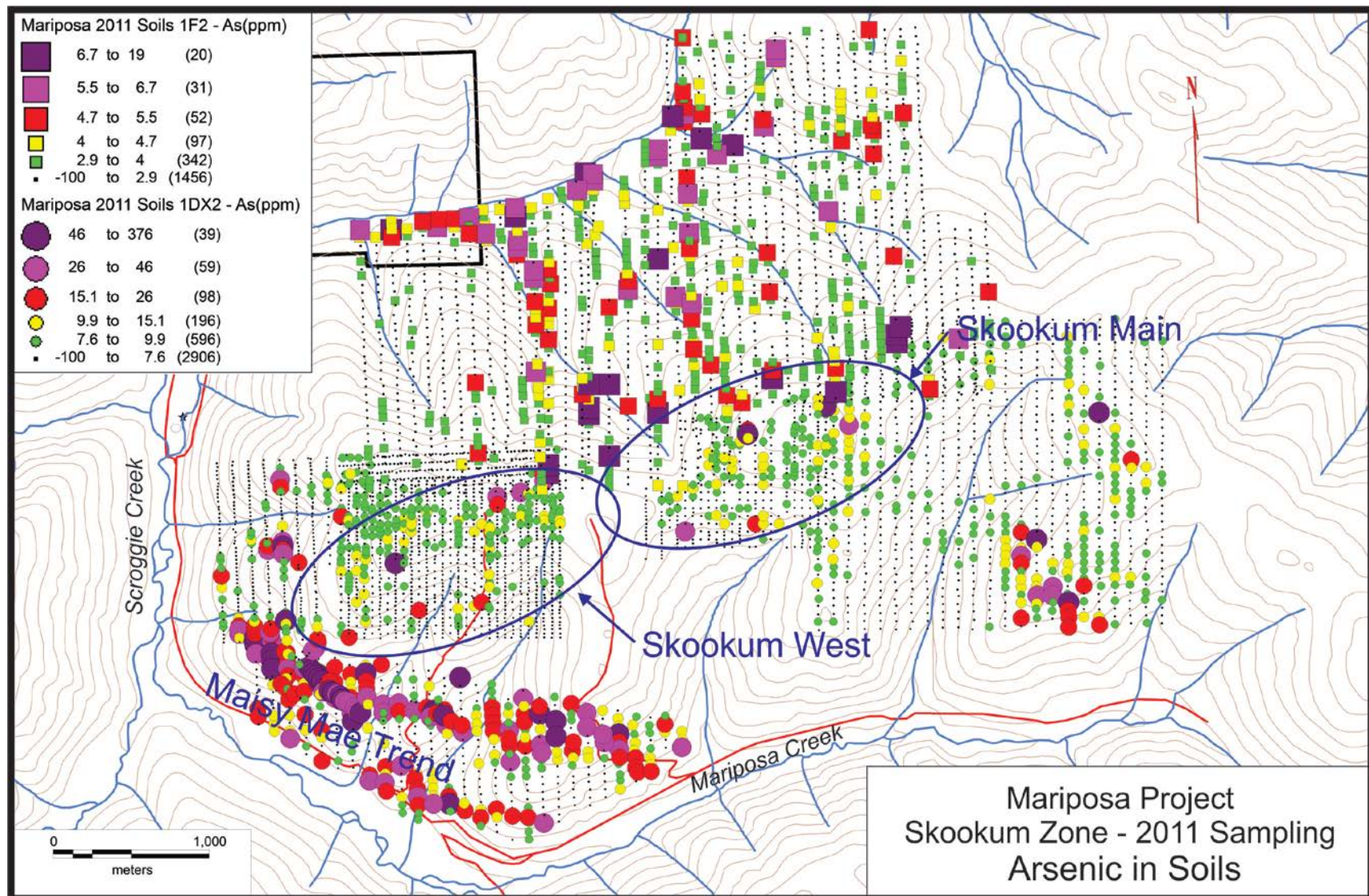


Figure 11. Skookum Zone - Arsenic in soils.



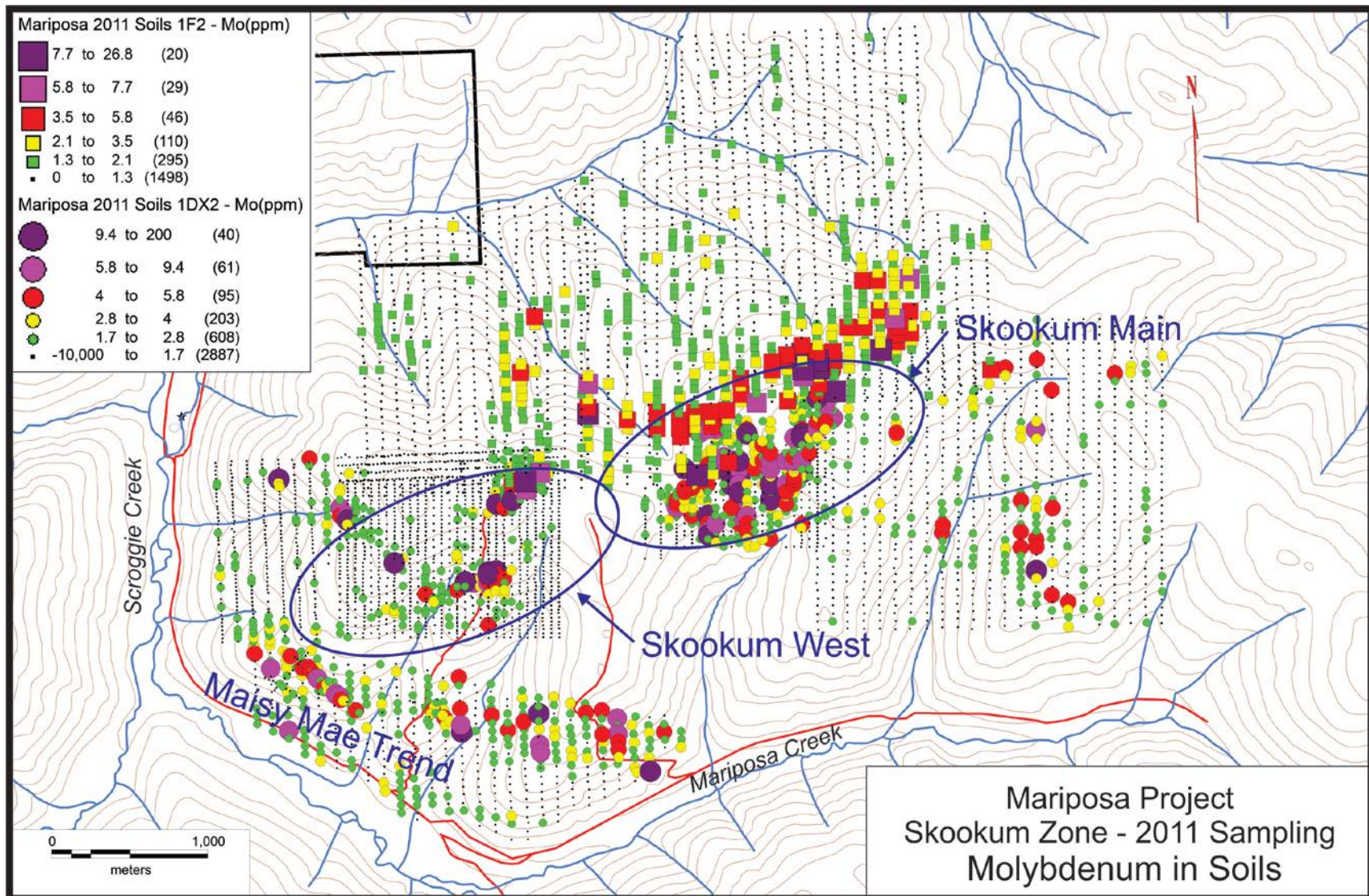


Figure 12. Skookum Zone - Molybdenum in soils.



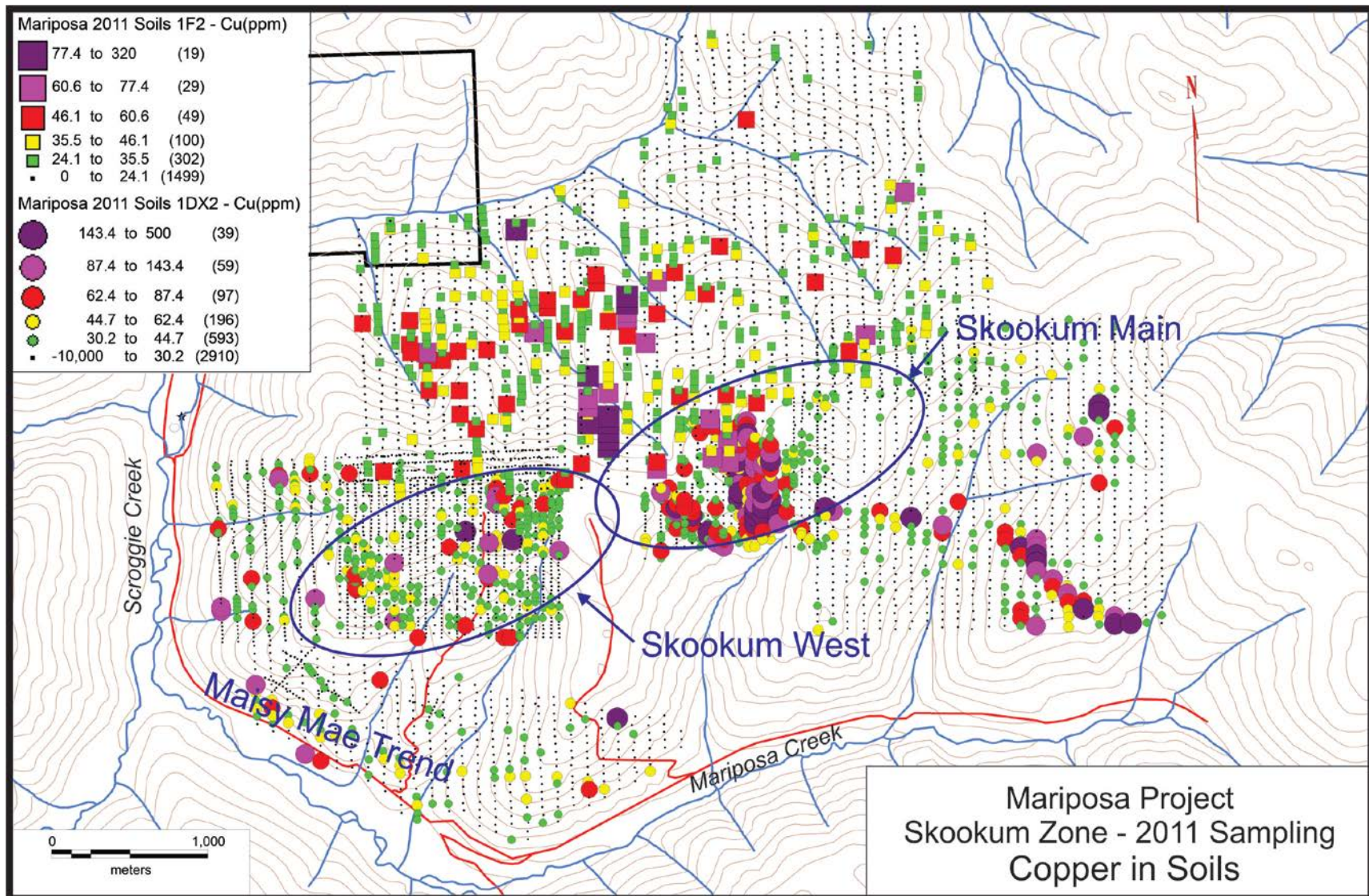


Figure 13. Skookum Zone - Copper in soils.



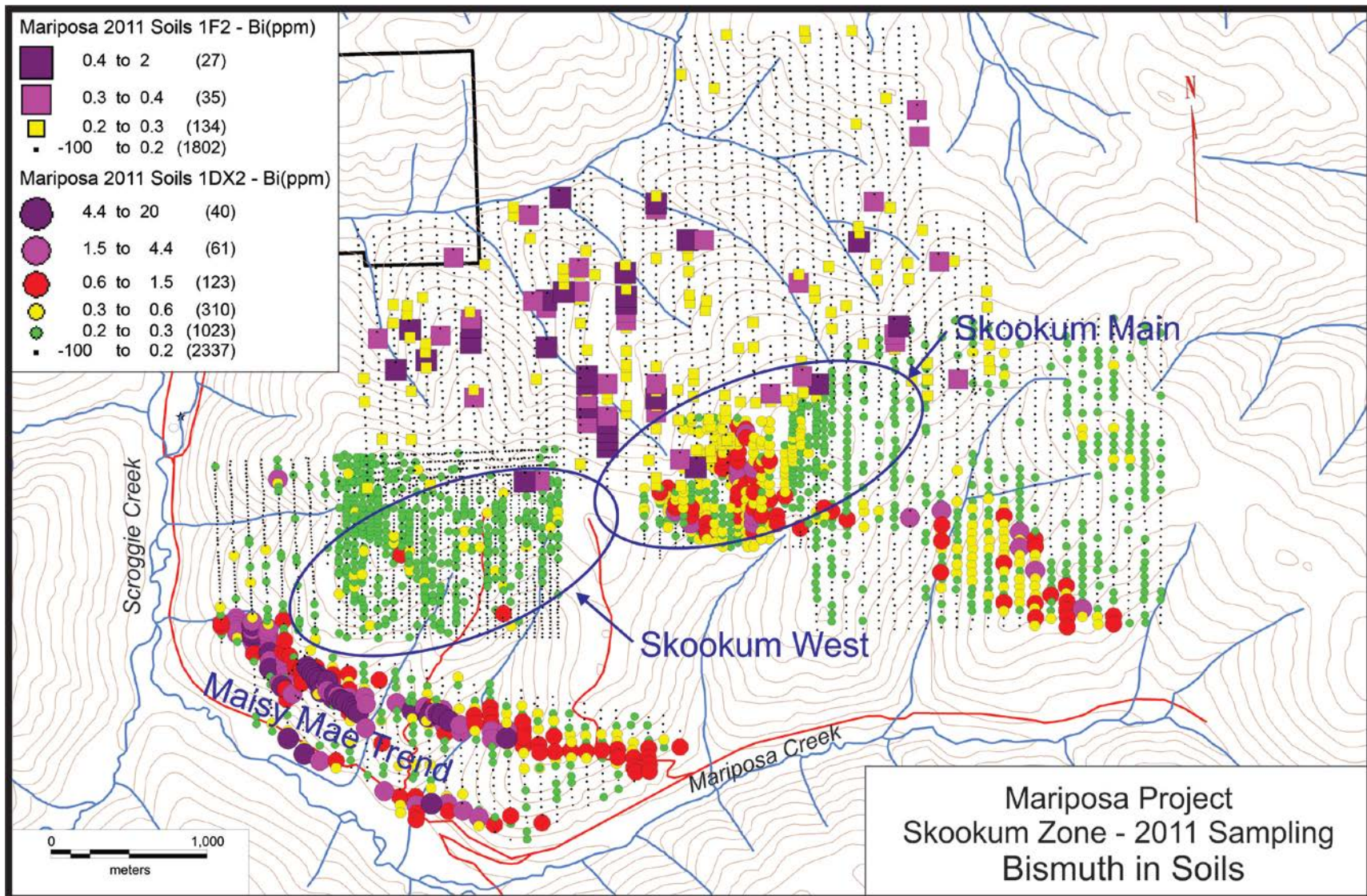


Figure 14. Skookum Zone - Bismuth in soils.



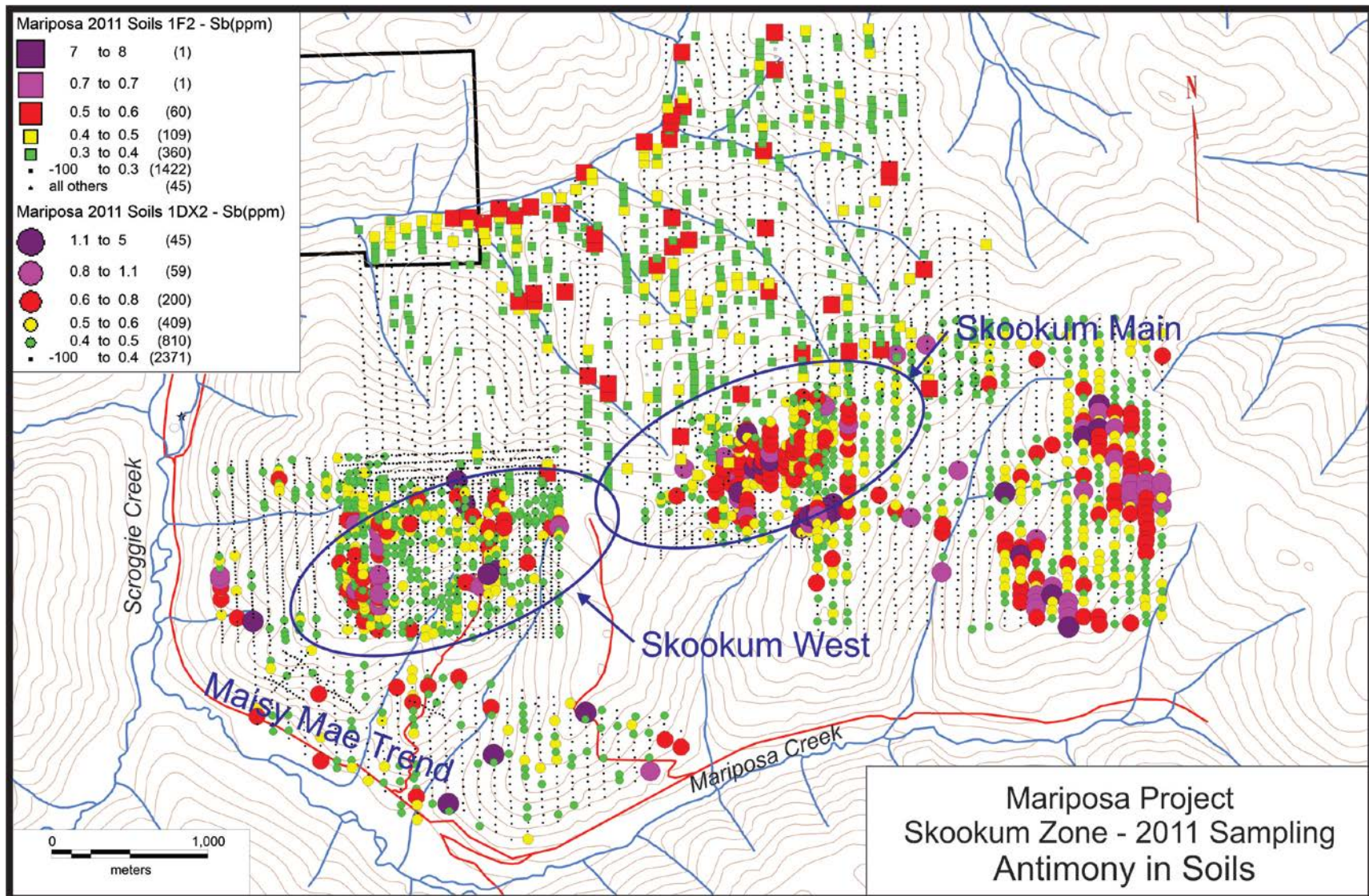


Figure 15. Skookum Zone - Antimony in soils.



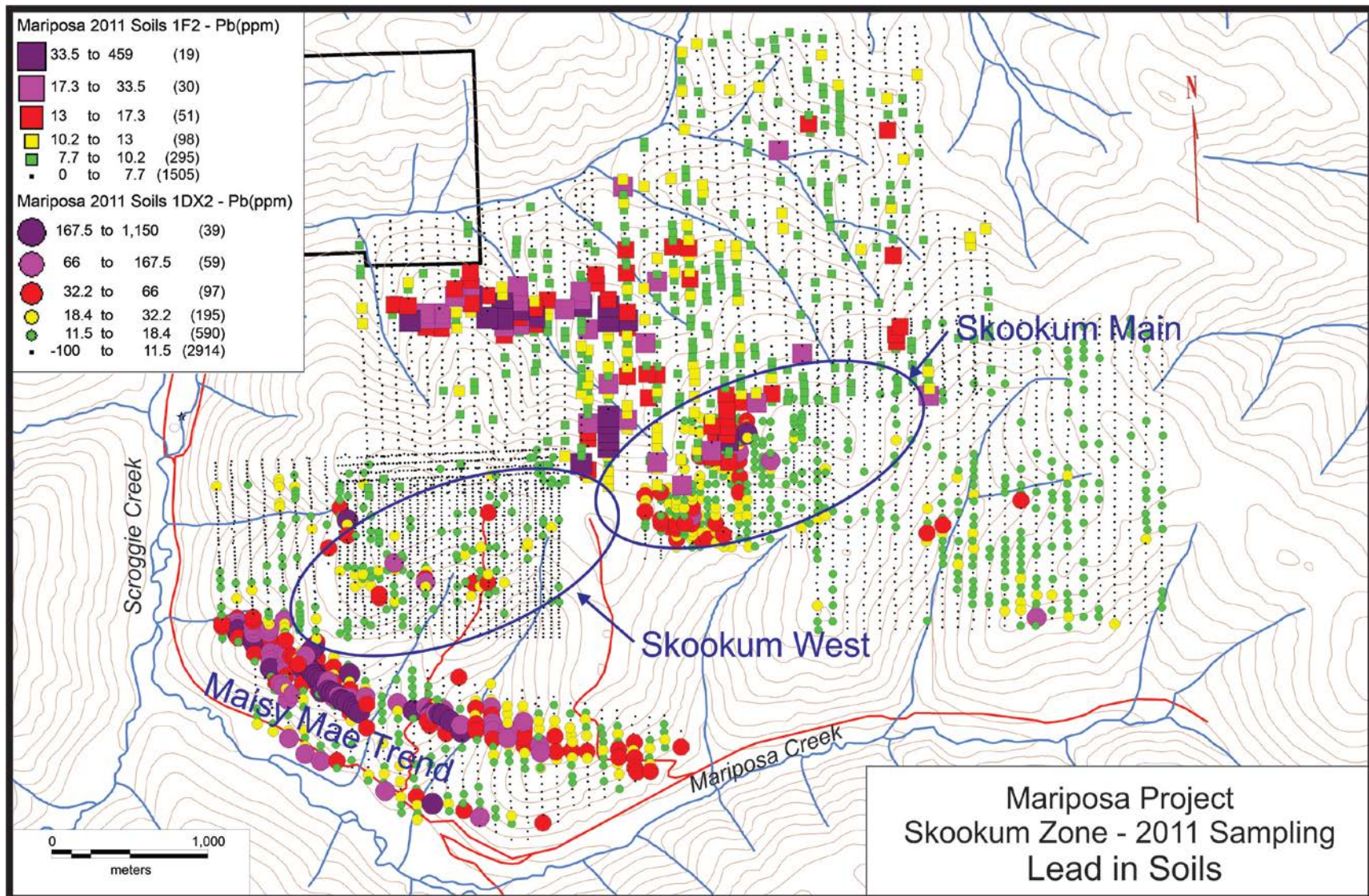


Figure 16. Skookum Zone - Lead in soils.



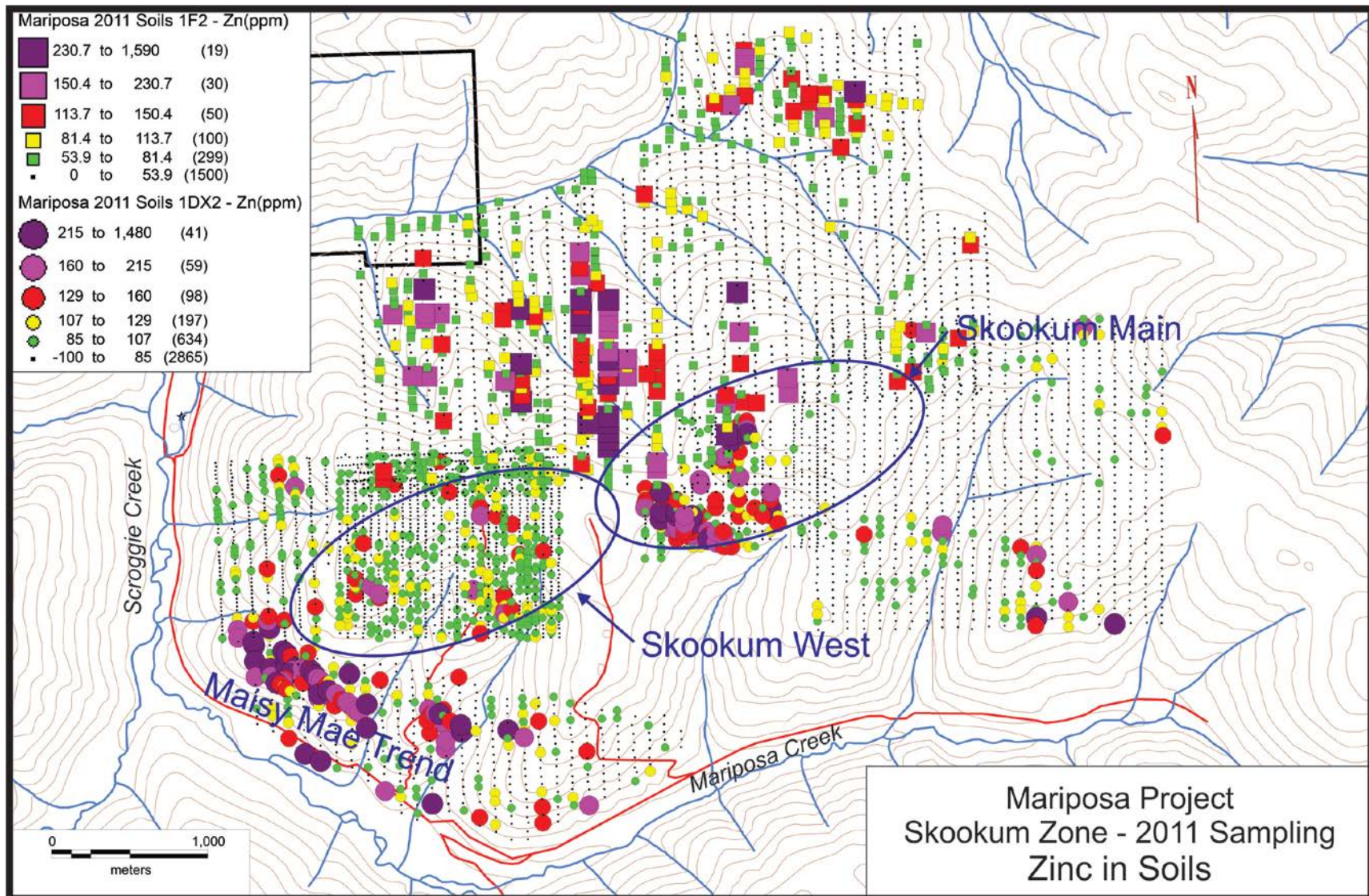


Figure 17. Skookum Zone - Zinc in soils.

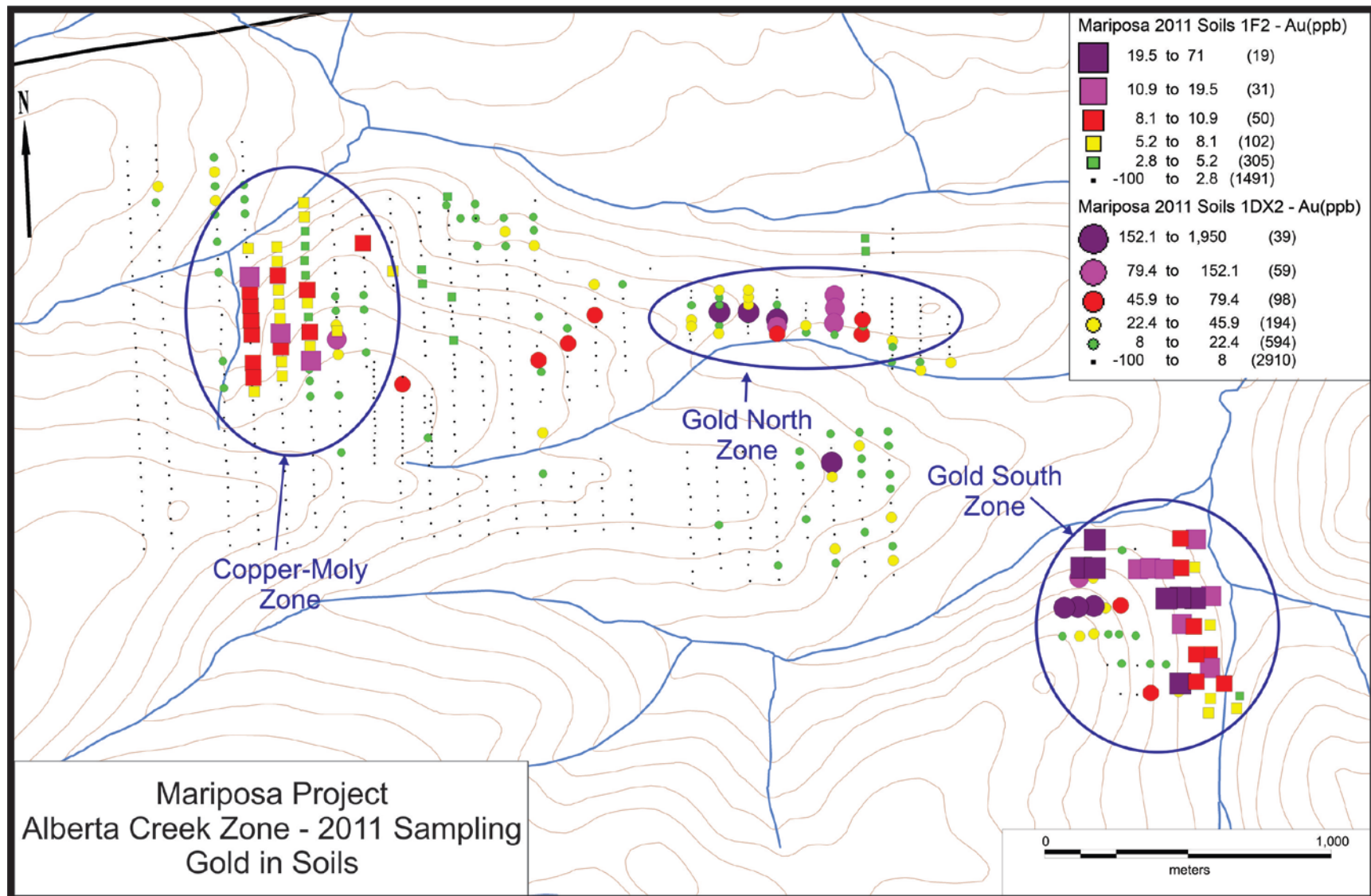


Figure 18. Alberta Creek Zone - Gold in soils.



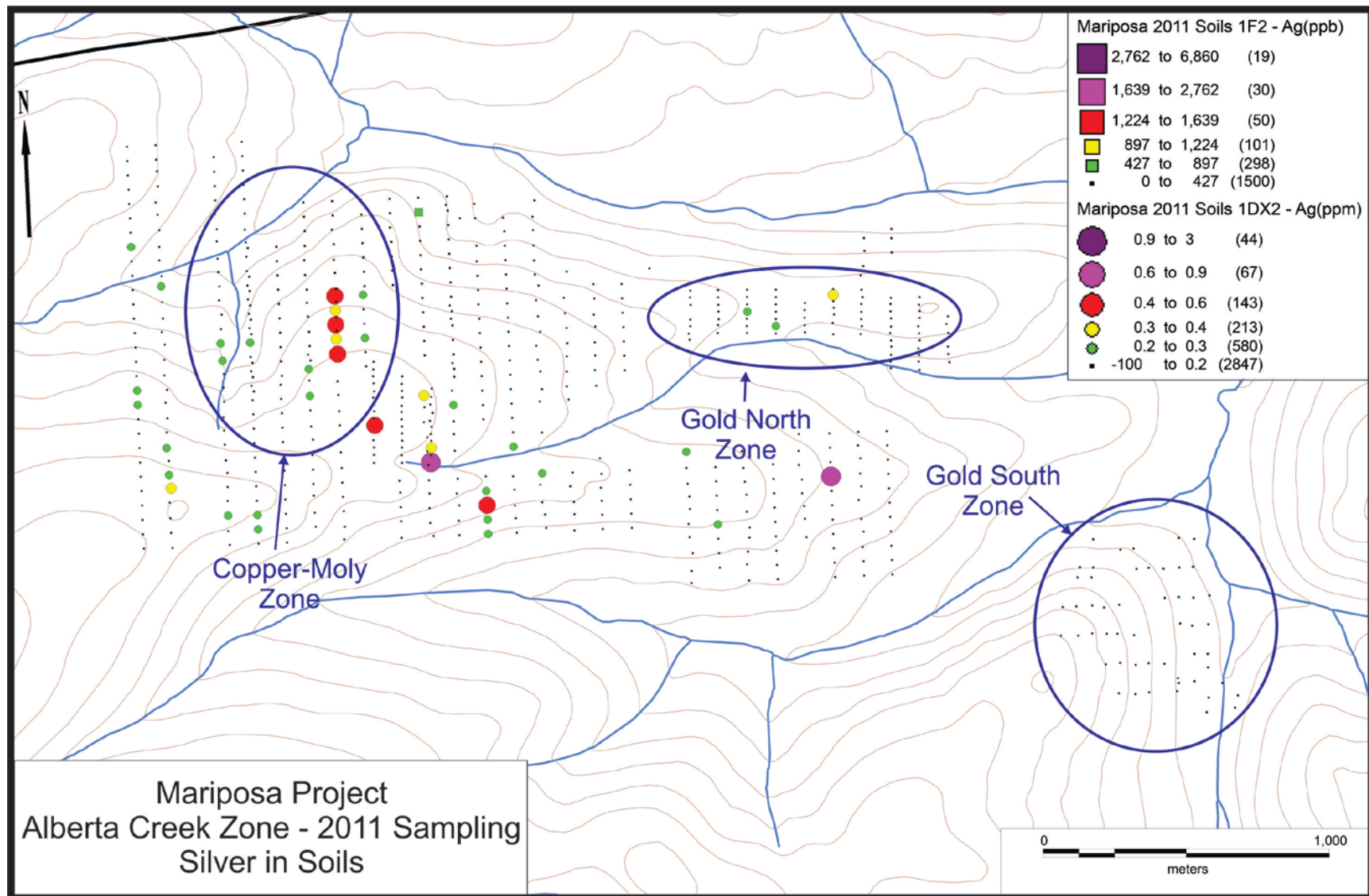


Figure 19. Alberta Creek Zone - Silver in soils.

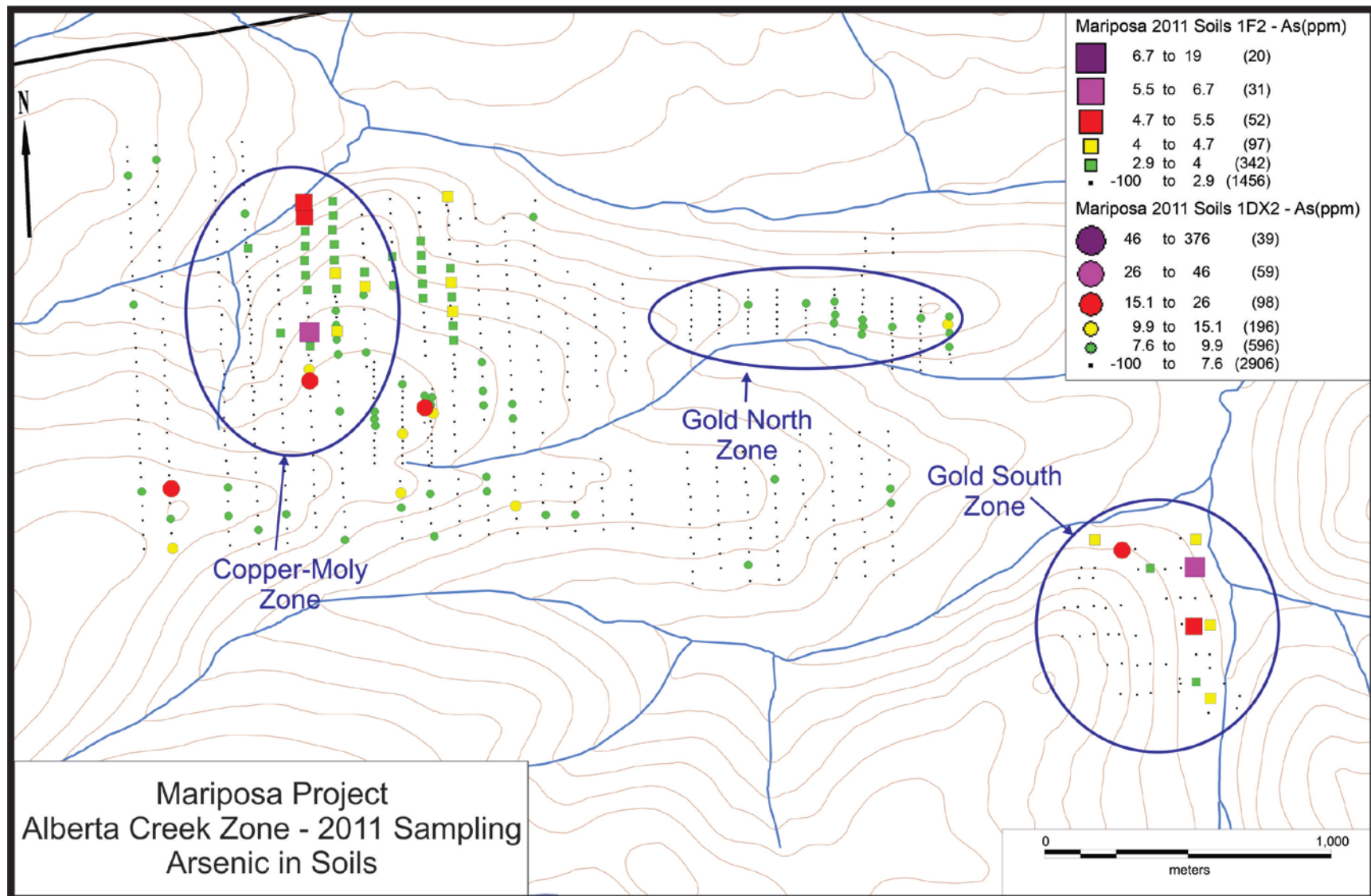
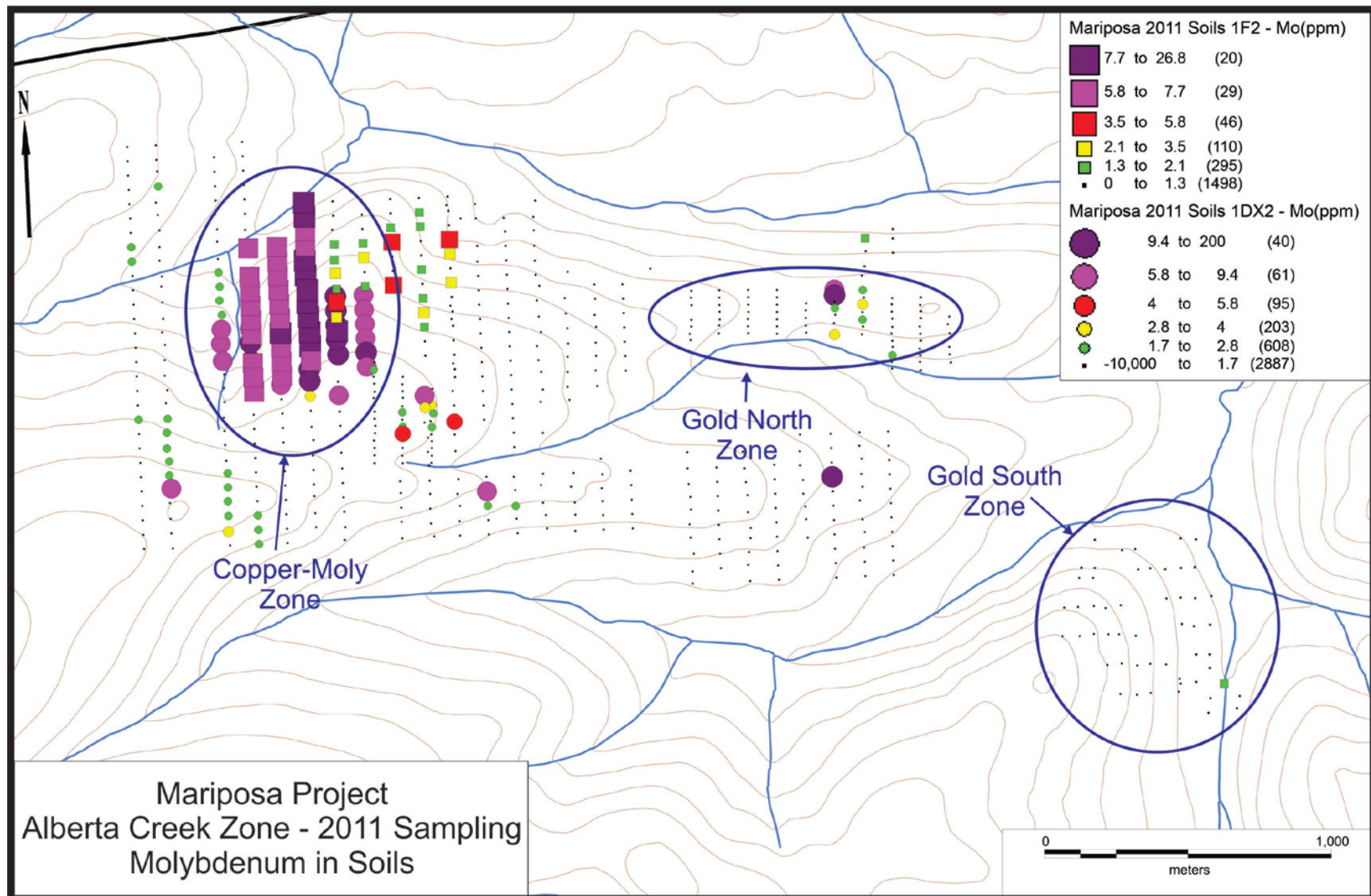


Figure 20. Alberta Creek Zone - Arsenic in soils.





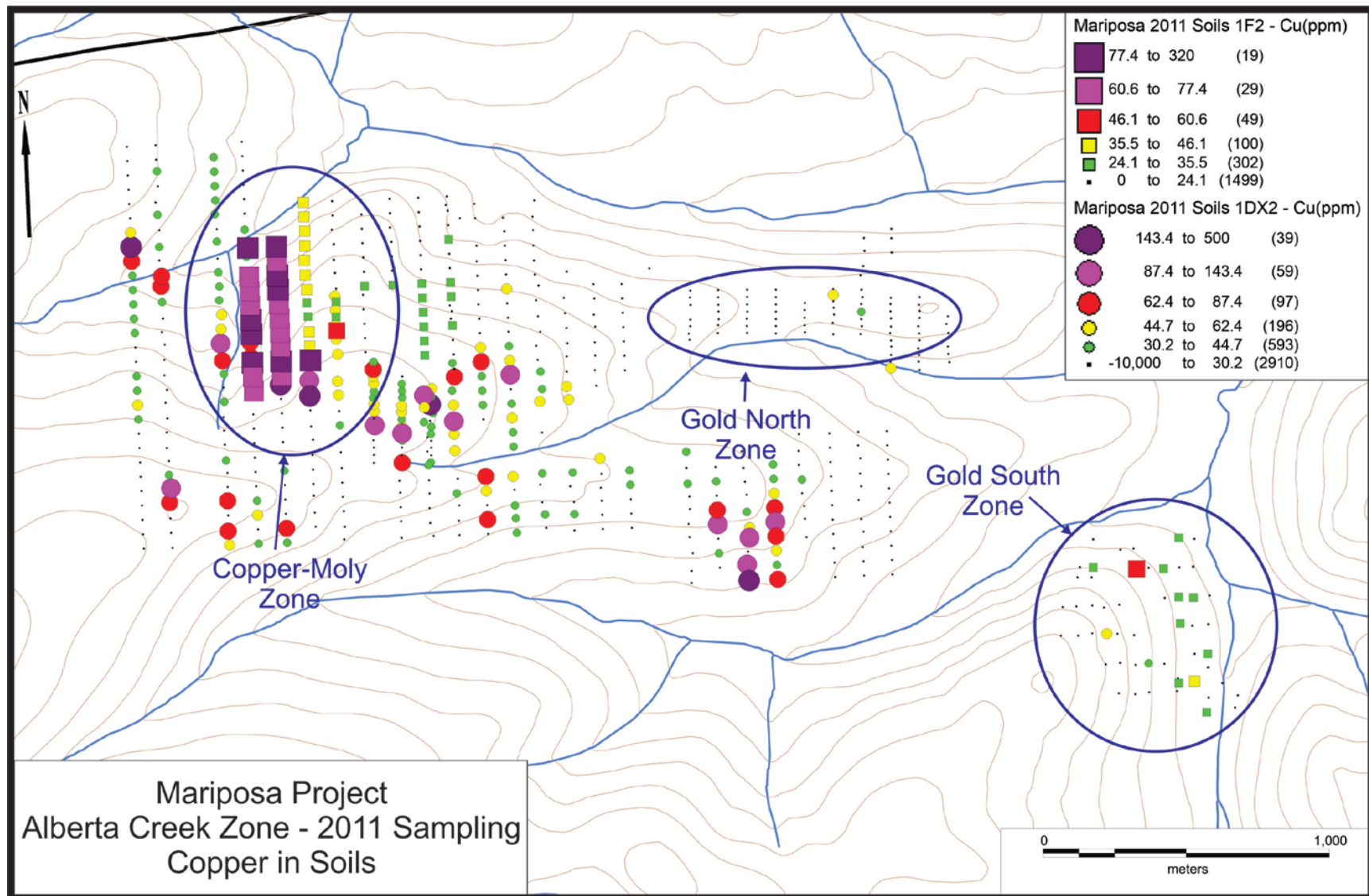
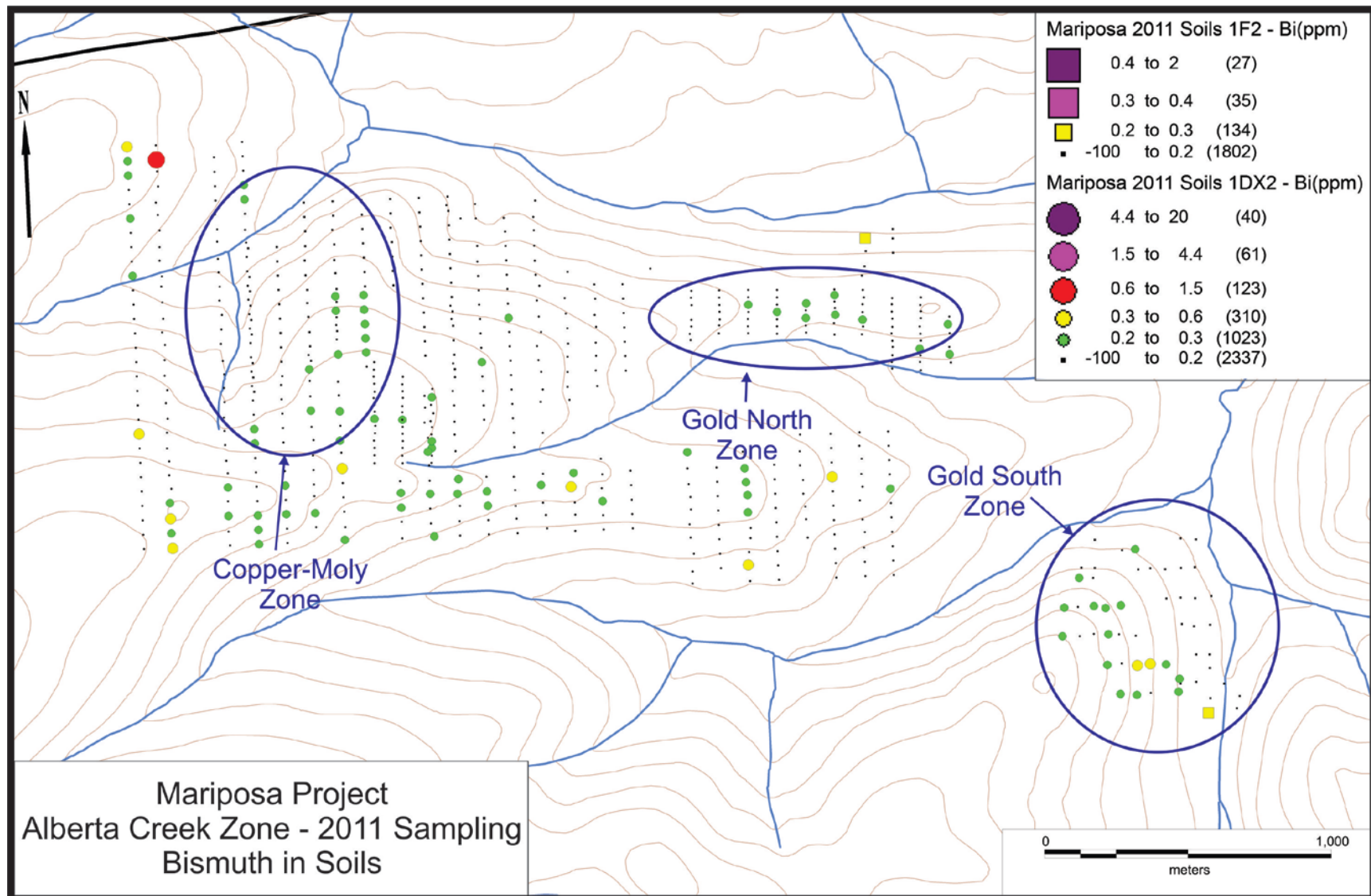
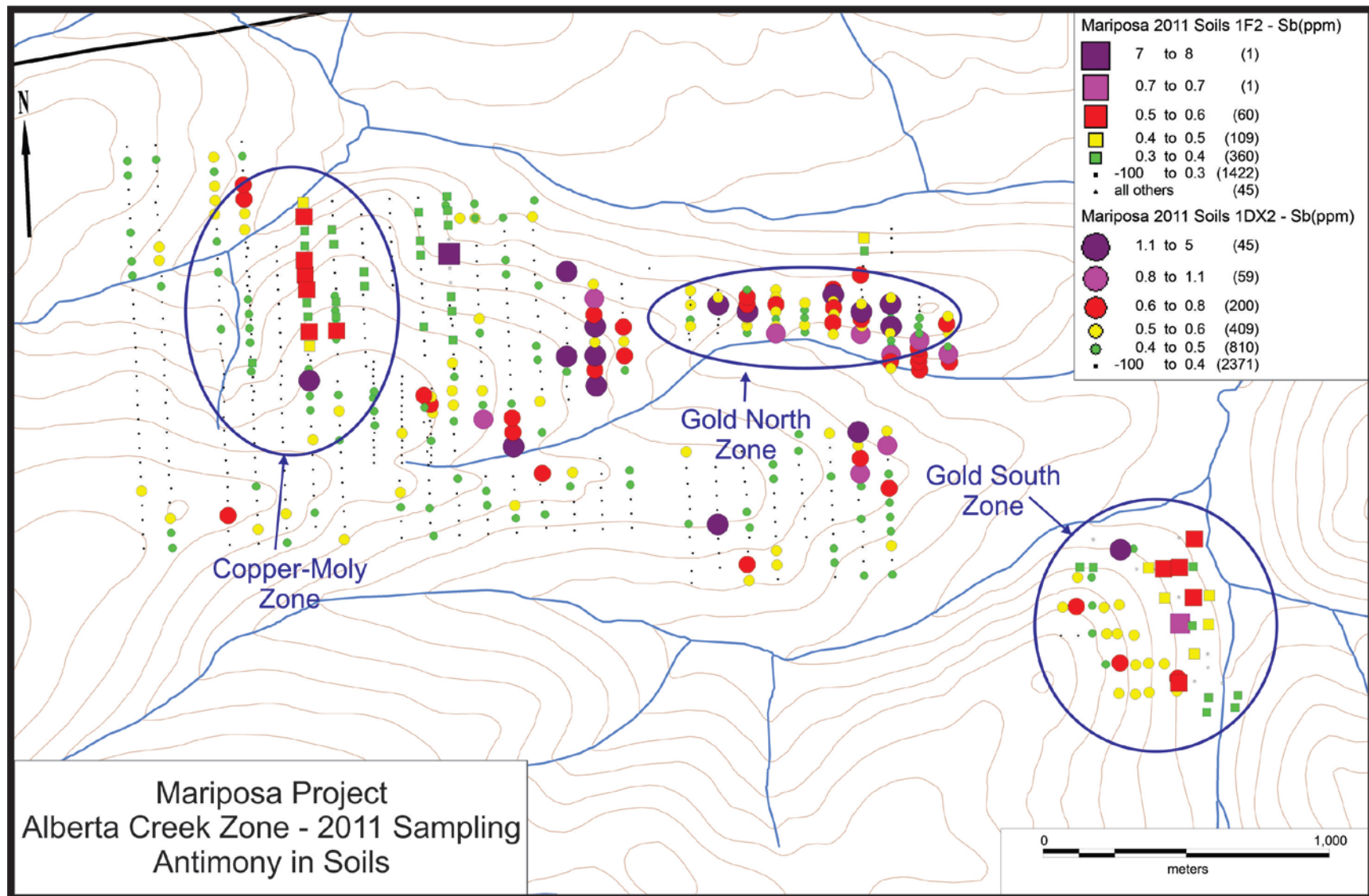


Figure 22. Alberta Creek Zone - Copper in soils.







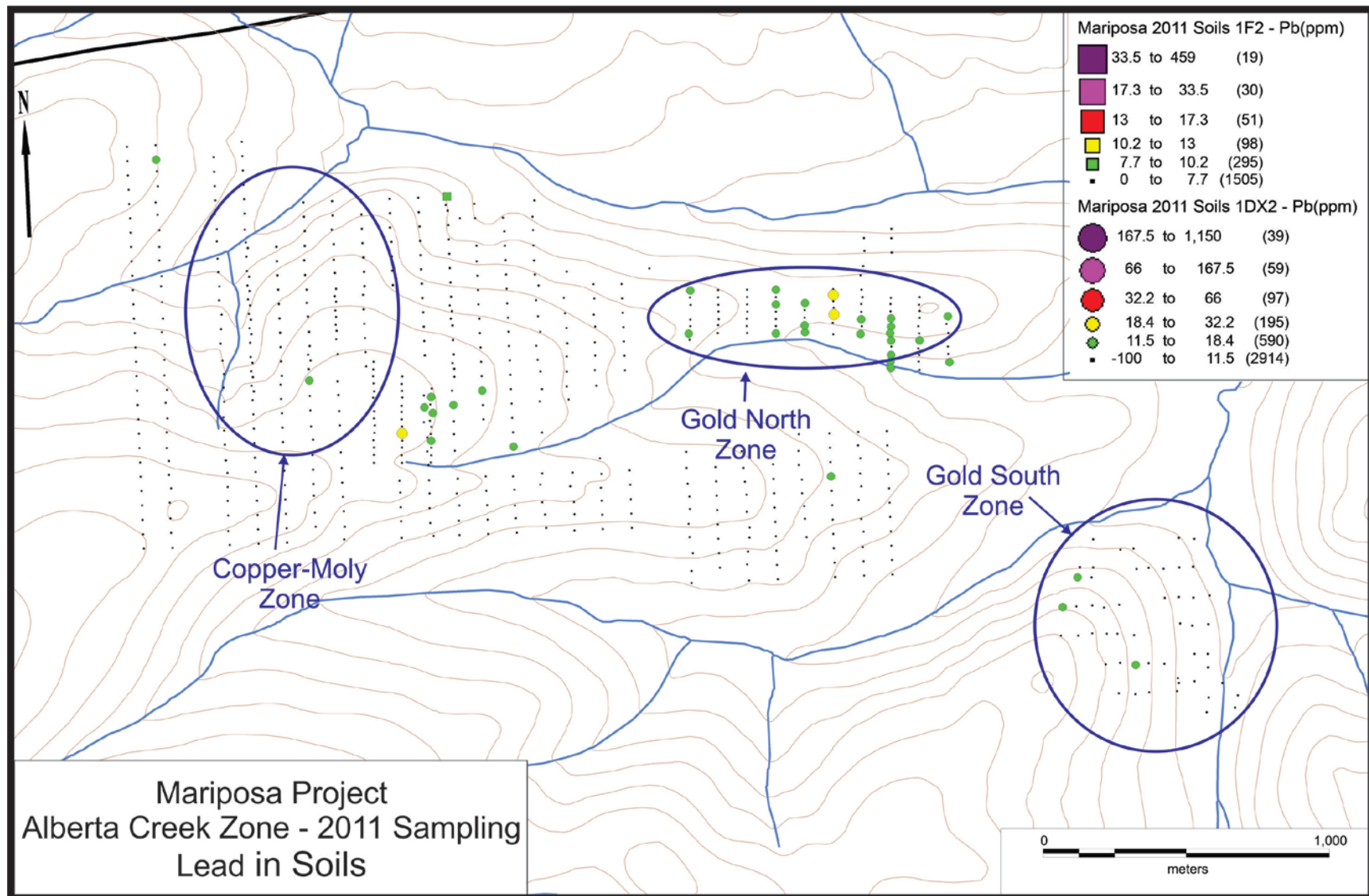


Figure 25. Alberta Creek Zone - Lead in soils.

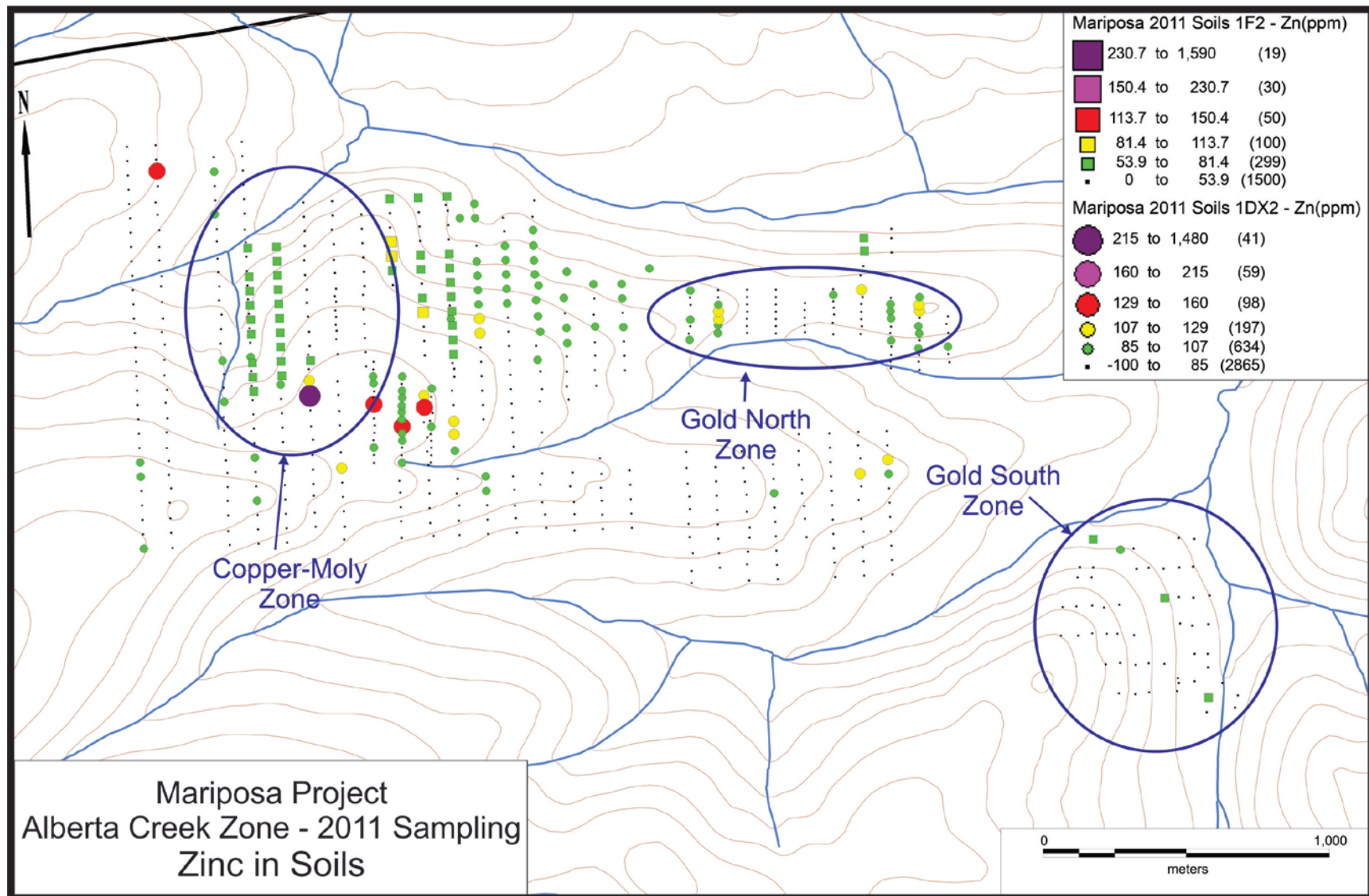


Figure 26. Alberta Creek Zone - Zinc in soils.

## **Alberta Creek Zone Results**

Three anomalous targets have been defined at Alberta Creek: Gold South, Gold North and Copper-Moly (Figures 18 to 26). The Gold South and Gold North targets are similar in nature and could be a part of one continuous anomaly and will therefore be described together. The second anomaly, the Copper-Moly Zone, has a weak gold association and is prospective as a possible porphyry-related target.

### **Gold North and South Zones**

There is a gap in sampling between these two anomalies, but it appears that they may be part of one continuous gold zone. Yet to be confirmed, this anomaly could have an overall strike length in excess of 2 km. As presently defined, the North Zone is 700 m long and the South Zone is 800 m long. The North Zone is fully defined by C horizon samples, while the South Zone is defined by more than 50% A horizon samples, on the lower or eastern and north side of the anomaly.

C horizon gold values range up to 450 ppb within the anomaly. Compared with the Skookum Zone, there is relatively little support from other elements here. The North Zone is an Au-Sb anomaly with locally anomalous Mo while the South Zone is also moderately anomalous in Sb and weakly anomalous in As and Cu. Neither portion shows any anomalous values in Bi, Pb or Zn.

There is no known bedrock source for this soil anomaly. Except for minor prospecting along the ridge within the North Zone, there has been very little exploration work carried out in the area.

### **Copper-Moly Zone**

This is a Mo-Cu-Au+/-Ag+/-Sb+/-As anomaly with weakly anomalous Zn. As defined by Mo, it is 600 m by 800 m in size and defined by both C horizon and A horizon samples, but it is predominantly A horizon, as it occurs on a north-facing slope.

There is no reported indication of mineralization associated with this anomaly. It could represent porphyry-style or some other type of hydrothermal base and precious metal mineralizing system. There is a known porphyry system called the Bridget (or Brigitte – Yukon Minfile – see Figure 4) just south of the Property and approximately 10 km southwest of the Alberta Creek Zone.

## **SUMMARY AND CONCLUSIONS**

The 2011 work program consisted of a soil geochemical survey over two key areas of the Mariposa property; the Skookum Zone and the Alberta Creek Zone. Two types of sample were collected. C horizon samples were collected using a hand auger in non-permafrost areas. Where permafrost prevented access to the C horizon, an organic A horizon sample was collected. The budget for this Phase I program that is being applied as assessment work is \$199,555.

Two strong gold anomalies were defined at the Skookum Zone - Skookum Main and Skookum West. These two anomalies have an east-northeast trend and appear to be related to a structurally controlled bedrock source. Two other anomalies with a base metal signature have a northwesterly trend and may have an association with stratigraphy and possibly also VMS style mineralization. The more easterly of these intersects the Skookum Main anomaly where it contains some of the better gold values, so the



intersection of the two styles of anomaly may have an important influence on the control of gold mineralization on the Property.

Three anomalous targets have been defined at Alberta Creek: Gold South, Gold North and Copper-Moly. The Gold South and Gold North targets are similar in nature could be a part of one continuous anomaly. The second anomaly at Alberta Creek, the Copper-Moly Zone, has a weak gold association and is prospective as a possible porphyry-style target.

The Skookum Main geochemical anomaly is classic for the White Gold district with a gold-moly signature and with associated anomalous arsenic, bismuth and, to a lesser extent base metals. It is somewhat unique in that it appears to occur at the intersection of two separate anomalies; gold dominant (NNE) vs. base metal (NW) signatures. More work is required to determine the nature of the bedrock sources of these soil anomalies and the relationship between the different geochemical signatures.

The third anomaly at the Skookum Zone, the Maisy Mae Trend, is a strong, northwest trending linear anomaly defined by base metals, bismuth, arsenic and silver, with lesser anomalous molybdenum and antimony. The source of this anomaly is unclear, but it appears to be stratigraphically controlled and it could be related to VMS style mineralization and the main Maisy Mae target area on strike to the northwest of this trend.

## **RECOMMENDATIONS**

It is difficult to make recommendations based on this work, as a full season of yet-to-be reported exploration has been completed in 2012. This work has included additional soil sampling in the Skookum area and at Alberta Creek as well as additional trenching and drilling within the Skookum Zone. No trenching or drilling has been carried out at Alberta Creek.

For 2013, additional sampling and trenching, accompanied by detailed IP and resistivity surveying, has been recommended for Skookum Main, Skookum West and Alberta Creek.

## STATEMENT OF EXPENDITURES

| Dates of Work     | CATEGORY                        | Unit          | Number             | Rate         | Subtotal          |
|-------------------|---------------------------------|---------------|--------------------|--------------|-------------------|
| August 2-20, 2011 | PERSONNEL (14 crew days)        | Crew days     | 22                 | \$ 2,000     | \$ 44,000         |
|                   | FIELD SUPPLIES                  | per man day   | 72                 | \$ 30        | \$ 2,160          |
|                   | ROOM and BOARD, SUPPORT         | per man day   | 72                 | \$ 150       | \$ 10,800         |
|                   | ANALYTICAL COSTS (Acme 1F2)     | per sample    | 1819               | \$ 24        | \$ 43,656         |
|                   | HELICOPTER SUPPORT (Prism)      | per hour      | 14.1               | \$ 975       | \$ 13,748         |
|                   | HELI FUEL (FOB Mariposa-\$550 ) | drums         | 8                  | \$ 550       | \$ 4,400          |
|                   | FLIGHTS and EXPEDITING          |               |                    |              | \$ 6,000          |
|                   | SUPERVISION and PLANNING        | per day       | 7                  | \$ 600       | \$ 4,200          |
|                   | DATA COMPILATION, REPORT        |               |                    |              | \$ 6,750          |
|                   |                                 |               |                    | <b>TOTAL</b> | <b>\$ 135,714</b> |
|                   |                                 |               |                    |              |                   |
| Dates of Work     | CATEGORY                        | Unit          | Number             | Rate         | Subtotal          |
| Sept 2-4, 12-18,  | PERSONNEL (16 man days)         | PEX crew days | 3                  | \$ 1,600     | \$ 4,800          |
|                   | PERSONNEL (24 man days)         | ALL-IN crew   | 6                  | \$ 2,000     | \$ 12,000         |
|                   | FIELD SUPPLIES                  | per man day   | 40                 | \$ 30        | \$ 1,200          |
|                   | ROOM and BOARD, SUPPORT         | per man day   | 40                 | \$ 150       | \$ 6,000          |
|                   | ANALYTICAL COSTS (Acme 1F2)     | per sample    | 98                 | \$ 24        | \$ 2,352          |
|                   | ANALYTICAL COSTS (Acme 1DX2)    | per sample    | 542                | \$ 21        | \$ 11,382         |
|                   | HELICOPTER SUPPORT (Prism)      | per hour      | 11.7               | \$ 975       | \$ 11,408         |
|                   | HELI FUEL (FOB Mariposa-\$550)  | drums         | 8                  | \$ 550       | \$ 4,400          |
|                   | FLIGHTS and EXPEDITING          |               |                    |              | \$ 3,000          |
|                   | SUPERVISION and PLANNING        | per day       | 5.5                | \$ 600       | \$ 3,300          |
|                   | DATA COMPILATION, REPORTING     |               |                    |              | \$ 4,000          |
|                   |                                 |               |                    | <b>TOTAL</b> | <b>\$ 63,842</b>  |
|                   |                                 |               | <b>GRAND TOTAL</b> |              | <b>\$ 199,555</b> |

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## CERTIFICATE OF QUALIFICATIONS

I, Gerald G. Carlson, hereby certify that:

1. I am a consulting mineral exploration geologist and Vice President, Exploration of Pacific Ridge Exploration Ltd., 100 – 1199 West Hastings Street, Vancouver, B.C., V6E 3T5.
2. I am a graduate of the University of Toronto, with a degree in Geological Engineering (B.A.Sc., 1969). I attended graduate school at Michigan Technological University (M.Sc., 1974) and Dartmouth College (Ph.D., 1978). I have been involved in geological mapping, mineral exploration and the management of mineral exploration companies continuously since 1969, with the exception of time between 1972 and 1978 for graduate studies in economic geology.
3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 12513 and of the Association of Professional Engineers of Yukon, Registration No. 0198.
4. I am the author of this report on the Mariposa Project, Report on the 2011 Soil Geochemical Program. The report is based on a literature review, on private company reports and on the 2011 work program.
5. I am an officer of Pacific Ridge Exploration Ltd. and I own shares in the company.
6. I was not personally involved in the planning and execution of the exploration program discussed in this report. However, I do take responsibility for the interpretations presented herein.

**Dated at Vancouver, B.C. this 18th day of April, 2013,**



**Gerald G. Carlson, Ph.D., P. Eng.**

## **APPENDIX I**

### **MARIPOSA PROPERTY – LIST OF CLAIMS**



**Pacific Ridge Exploration Ltd.**  
**Mariposa Property Claims List**

| <b>NTS</b> | <b>Grant No.</b> | <b>Name</b> | <b>No. Claim Owner</b>       | <b>Rec. Date</b> | <b>Expiry Date</b> | <b>Group</b> |
|------------|------------------|-------------|------------------------------|------------------|--------------------|--------------|
| 115J16     | YD64152          | AC          | 1 Gordon G. Richards - 100%  | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64153          | AC          | 2 Gordon G. Richards - 100%  | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64154          | AC          | 3 Gordon G. Richards - 100%  | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64155          | AC          | 4 Gordon G. Richards - 100%  | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64156          | AC          | 5 Gordon G. Richards - 100%  | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64157          | AC          | 6 Gordon G. Richards - 100%  | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64158          | AC          | 7 Gordon G. Richards - 100%  | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64159          | AC          | 8 Gordon G. Richards - 100%  | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64160          | AC          | 9 Gordon G. Richards - 100%  | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64161          | AC          | 10 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64162          | AC          | 11 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64163          | AC          | 12 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64164          | AC          | 13 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64165          | AC          | 14 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64166          | AC          | 15 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64167          | AC          | 16 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64168          | AC          | 17 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64169          | AC          | 18 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64170          | AC          | 19 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64171          | AC          | 20 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64172          | AC          | 21 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64173          | AC          | 22 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64174          | AC          | 23 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64175          | AC          | 24 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64176          | AC          | 25 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64177          | AC          | 26 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64178          | AC          | 27 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64179          | AC          | 28 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64180          | AC          | 29 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64181          | AC          | 30 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |
| 115J16     | YD64182          | AC          | 31 Gordon G. Richards - 100% | 2-Jul-10         | 15-Feb-14          | A            |

| NTS    | Grant No. | Name | No. Claim Owner              | Rec. Date | Expiry Date | Group |
|--------|-----------|------|------------------------------|-----------|-------------|-------|
| 115J16 | YD64183   | AC   | 32 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64184   | AC   | 33 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64185   | AC   | 34 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64186   | AC   | 35 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64187   | AC   | 36 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64188   | AC   | 37 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64189   | AC   | 38 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64190   | AC   | 39 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64191   | AC   | 40 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64192   | AC   | 41 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64193   | AC   | 42 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64194   | AC   | 43 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64195   | AC   | 44 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64196   | AC   | 45 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64197   | AC   | 46 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64198   | AC   | 47 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64199   | AC   | 48 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64200   | AC   | 49 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64201   | AC   | 50 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64202   | AC   | 51 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64203   | AC   | 52 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64204   | AC   | 53 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64205   | AC   | 54 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64206   | AC   | 55 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64207   | AC   | 56 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64208   | AC   | 57 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64209   | AC   | 58 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64210   | AC   | 59 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64211   | AC   | 60 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64212   | AC   | 61 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64213   | AC   | 62 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64214   | AC   | 63 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64215   | AC   | 64 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |

| NTS    | Grant No. | Name | No. Claim Owner              | Rec. Date | Expiry Date | Group |
|--------|-----------|------|------------------------------|-----------|-------------|-------|
| 115J16 | YD64216   | AC   | 65 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64217   | AC   | 66 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64219   | AC   | 67 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64220   | AC   | 68 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64221   | AC   | 69 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64222   | AC   | 70 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64223   | AC   | 71 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64224   | AC   | 72 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64225   | AC   | 73 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64226   | AC   | 74 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64227   | AC   | 75 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64228   | AC   | 76 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64229   | AC   | 77 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64230   | AC   | 78 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64231   | AC   | 79 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64232   | AC   | 80 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64233   | AC   | 81 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64234   | AC   | 82 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64235   | AC   | 83 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64236   | AC   | 84 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64237   | AC   | 85 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64238   | AC   | 86 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64239   | AC   | 87 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64240   | AC   | 88 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64241   | AC   | 89 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64242   | AC   | 90 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64243   | AC   | 91 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64244   | AC   | 92 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64245   | AC   | 93 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64246   | AC   | 94 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64247   | AC   | 95 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64248   | AC   | 96 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64249   | AC   | 97 Gordon G. Richards - 100% | 2-Jul-10  | 15-Feb-14   | A     |



| NTS    | Grant No. | Name  | No. Claim Owner                         | Rec. Date | Expiry Date | Group |
|--------|-----------|-------|-----------------------------------------|-----------|-------------|-------|
| 115J16 | YD64250   | AC    | 98 Gordon G. Richards - 100%            | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64253   | AC    | 99 Gordon G. Richards - 100%            | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64254   | AC    | 100 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64255   | AC    | 101 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64256   | AC    | 102 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64257   | AC    | 103 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64258   | AC    | 104 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64259   | AC    | 105 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64260   | AC    | 106 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64261   | AC    | 107 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64262   | AC    | 108 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64263   | AC    | 109 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64264   | AC    | 110 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64265   | AC    | 111 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64266   | AC    | 112 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64267   | AC    | 113 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64268   | AC    | 114 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64269   | AC    | 115 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64270   | AC    | 116 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64271   | AC    | 117 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64272   | AC    | 118 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64273   | AC    | 119 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64274   | AC    | 120 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64275   | AC    | 121 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64276   | AC    | 122 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64277   | AC    | 123 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64278   | AC    | 124 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64279   | AC    | 125 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64280   | AC    | 126 Gordon G. Richards - 100%           | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64251   | AC97A | Gordon G. Richards - 100%               | 2-Jul-10  | 15-Feb-14   | A     |
| 115J16 | YD64252   | AC98A | Gordon G. Richards - 100%               | 2-Jul-10  | 15-Feb-14   | A     |
| 115O02 | YD16601   | AP    | 1 Pacific Ridge Exploration Ltd. - 100% | 30-Jul-10 | 15-Feb-15   | A     |
| 115O02 | YD16602   | AP    | 2 Pacific Ridge Exploration Ltd. - 100% | 30-Jul-10 | 15-Feb-15   | A     |

| NTS    | Grant No. | Name | No. Claim Owner                          | Rec. Date | Expiry Date | Group |
|--------|-----------|------|------------------------------------------|-----------|-------------|-------|
| 115002 | YD16603   | AP   | 3 Pacific Ridge Exploration Ltd. - 100%  | 30-Jul-10 | 15-Feb-15   | A     |
| 115002 | YD16604   | AP   | 4 Pacific Ridge Exploration Ltd. - 100%  | 30-Jul-10 | 15-Feb-15   | A     |
| 115002 | YD16605   | AP   | 5 Pacific Ridge Exploration Ltd. - 100%  | 30-Jul-10 | 15-Feb-15   | A     |
| 115002 | YD16606   | AP   | 6 Pacific Ridge Exploration Ltd. - 100%  | 30-Jul-10 | 15-Feb-15   | A     |
| 115002 | YD16607   | AP   | 7 Pacific Ridge Exploration Ltd. - 100%  | 30-Jul-10 | 15-Feb-15   | A     |
| 115002 | YD16608   | AP   | 8 Pacific Ridge Exploration Ltd. - 100%  | 30-Jul-10 | 15-Feb-15   | A     |
| 115002 | YD16609   | AP   | 9 Pacific Ridge Exploration Ltd. - 100%  | 30-Jul-10 | 15-Feb-15   | A     |
| 115002 | YD16610   | AP   | 10 Pacific Ridge Exploration Ltd. - 100% | 30-Jul-10 | 15-Feb-15   | A     |
| 115002 | YD16611   | AP   | 11 Pacific Ridge Exploration Ltd. - 100% | 30-Jul-10 | 15-Feb-14   | A     |
| 115002 | YD16612   | AP   | 12 Pacific Ridge Exploration Ltd. - 100% | 30-Jul-10 | 15-Feb-14   | A     |
| 115002 | YD16613   | AP   | 13 Pacific Ridge Exploration Ltd. - 100% | 9-Aug-10  | 15-Feb-14   | A     |
| 115002 | YD16614   | AP   | 14 Pacific Ridge Exploration Ltd. - 100% | 9-Aug-10  | 15-Feb-14   | A     |
| 115002 | YD16615   | AP   | 15 Pacific Ridge Exploration Ltd. - 100% | 9-Aug-10  | 15-Feb-14   | A     |
| 115002 | YD16616   | AP   | 16 Pacific Ridge Exploration Ltd. - 100% | 9-Aug-10  | 15-Feb-14   | A     |
| 115002 | YD16617   | AP   | 17 Pacific Ridge Exploration Ltd. - 100% | 9-Aug-10  | 15-Feb-14   | A     |
| 115002 | YD16618   | AP   | 18 Pacific Ridge Exploration Ltd. - 100% | 9-Aug-10  | 15-Feb-14   | A     |
| 115002 | YD16619   | AP   | 19 Pacific Ridge Exploration Ltd. - 100% | 9-Aug-10  | 15-Feb-14   | A     |
| 115002 | YD16620   | AP   | 20 Pacific Ridge Exploration Ltd. - 100% | 9-Aug-10  | 15-Feb-14   | A     |
| 115002 | YD16621   | AP   | 21 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16622   | AP   | 22 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16623   | AP   | 23 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16624   | AP   | 24 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16625   | AP   | 25 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16626   | AP   | 26 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16627   | AP   | 27 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16628   | AP   | 28 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16629   | AP   | 29 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16630   | AP   | 30 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16631   | AP   | 31 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16632   | AP   | 32 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16633   | AP   | 33 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16634   | AP   | 34 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16635   | AP   | 35 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |

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| 115002 | YD16636   | AP   | 36 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16637   | AP   | 37 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16638   | AP   | 38 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16639   | AP   | 39 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YD16640   | AP   | 40 Pacific Ridge Exploration Ltd. - 100% | 17-Aug-10 | 15-Feb-14   | A     |
| 115002 | YE62369   | BID  | 34 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62370   | BID  | 35 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62371   | BID  | 36 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62372   | BID  | 37 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62373   | BID  | 38 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62374   | BID  | 39 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62375   | BID  | 40 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62376   | BID  | 41 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62377   | BID  | 42 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62378   | BID  | 43 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62379   | BID  | 44 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62380   | BID  | 45 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62381   | BID  | 46 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62382   | BID  | 47 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62383   | BID  | 48 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62384   | BID  | 49 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | A     |
| 115002 | YE62385   | BID  | 50 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62386   | BID  | 51 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62387   | BID  | 52 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62388   | BID  | 53 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62389   | BID  | 54 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62390   | BID  | 55 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62391   | BID  | 56 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62392   | BID  | 57 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62393   | BID  | 58 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62394   | BID  | 59 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62395   | BID  | 60 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62396   | BID  | 61 Pacific Ridge Exploration Ltd. - 100% | 6-Sep-11  | 15-Feb-16   | A     |



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| 115002 | YE62397   | BID  | 62 Pacific Ridge Exploration Ltd. - 100%  | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62398   | BID  | 63 Pacific Ridge Exploration Ltd. - 100%  | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62399   | BID  | 64 Pacific Ridge Exploration Ltd. - 100%  | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62400   | BID  | 65 Pacific Ridge Exploration Ltd. - 100%  | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62401   | BID  | 66 Pacific Ridge Exploration Ltd. - 100%  | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62402   | BID  | 67 Pacific Ridge Exploration Ltd. - 100%  | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62403   | BID  | 68 Pacific Ridge Exploration Ltd. - 100%  | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YE62404   | BID  | 69 Pacific Ridge Exploration Ltd. - 100%  | 6-Sep-11  | 15-Feb-16   | A     |
| 115002 | YD156111  | Bid  | 111 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156112  | Bid  | 112 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156113  | Bid  | 113 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156114  | Bid  | 114 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156115  | Bid  | 115 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156116  | Bid  | 116 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156117  | Bid  | 117 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156118  | Bid  | 118 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156119  | Bid  | 119 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156120  | Bid  | 120 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156121  | Bid  | 121 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156122  | Bid  | 122 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156123  | Bid  | 123 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156124  | Bid  | 124 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156125  | Bid  | 125 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156126  | Bid  | 126 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156127  | Bid  | 127 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156128  | Bid  | 128 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156129  | Bid  | 129 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156130  | Bid  | 130 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156131  | Bid  | 131 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156132  | Bid  | 132 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156133  | Bid  | 133 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156134  | Bid  | 134 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156135  | Bid  | 135 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |

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| 115002 | YD156136  | Bid  | 136 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156137  | Bid  | 137 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156138  | Bid  | 138 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156139  | Bid  | 139 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156140  | Bid  | 140 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156141  | Bid  | 141 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156142  | Bid  | 142 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156143  | Bid  | 143 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156144  | Bid  | 144 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156145  | Bid  | 145 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156146  | Bid  | 146 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156147  | Bid  | 147 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156148  | Bid  | 148 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156149  | Bid  | 149 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156150  | Bid  | 150 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156151  | Bid  | 151 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156152  | Bid  | 152 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156153  | Bid  | 153 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156154  | Bid  | 154 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156155  | Bid  | 155 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156156  | Bid  | 156 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156157  | Bid  | 157 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156158  | Bid  | 158 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156159  | Bid  | 159 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156160  | Bid  | 160 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156161  | Bid  | 161 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156162  | Bid  | 162 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156163  | Bid  | 163 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156164  | Bid  | 164 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156165  | Bid  | 165 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156166  | Bid  | 166 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156167  | Bid  | 167 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156168  | Bid  | 168 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |

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| 115002 | YD156169  | Bid  | 169 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156170  | Bid  | 170 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156171  | Bid  | 171 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156172  | Bid  | 172 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156173  | Bid  | 173 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156174  | Bid  | 174 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156175  | Bid  | 175 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156176  | Bid  | 176 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156177  | Bid  | 177 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156178  | Bid  | 178 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156179  | Bid  | 179 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156180  | Bid  | 180 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156181  | Bid  | 181 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156182  | Bid  | 182 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156183  | Bid  | 183 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156184  | Bid  | 184 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156185  | Bid  | 185 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156186  | Bid  | 186 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156187  | Bid  | 187 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156188  | Bid  | 188 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156189  | Bid  | 189 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156190  | Bid  | 190 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156191  | Bid  | 191 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156192  | Bid  | 192 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156193  | Bid  | 193 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156194  | Bid  | 194 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156195  | Bid  | 195 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156196  | Bid  | 196 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156197  | Bid  | 197 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156198  | Bid  | 198 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156199  | Bid  | 199 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156200  | Bid  | 200 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156201  | Bid  | 201 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |

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| 115001 | YD156202  | Bid  | 202 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156203  | Bid  | 203 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156204  | Bid  | 204 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156205  | Bid  | 205 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156206  | Bid  | 206 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156207  | Bid  | 207 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156208  | Bid  | 208 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156209  | Bid  | 209 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156210  | Bid  | 210 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156211  | Bid  | 211 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156212  | Bid  | 212 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156213  | Bid  | 213 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156214  | Bid  | 214 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156215  | Bid  | 215 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156216  | Bid  | 216 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156217  | Bid  | 217 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156218  | Bid  | 218 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156219  | Bid  | 219 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156220  | Bid  | 220 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156221  | Bid  | 221 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156222  | Bid  | 222 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156223  | Bid  | 223 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156224  | Bid  | 224 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156225  | Bid  | 225 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156226  | Bid  | 226 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156227  | Bid  | 227 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156228  | Bid  | 228 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156229  | Bid  | 229 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156230  | Bid  | 230 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156231  | Bid  | 231 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156232  | Bid  | 232 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156233  | Bid  | 233 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156234  | Bid  | 234 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |



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| 115002 | YD156235  | Bid  | 235 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156236  | Bid  | 236 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156237  | Bid  | 237 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156238  | Bid  | 238 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156239  | Bid  | 239 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156240  | Bid  | 240 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156241  | Bid  | 241 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156242  | Bid  | 242 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156243  | Bid  | 243 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD156244  | Bid  | 244 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156245  | Bid  | 245 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156246  | Bid  | 246 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156247  | Bid  | 247 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156248  | Bid  | 248 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156249  | Bid  | 249 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156250  | Bid  | 250 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156251  | Bid  | 251 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156252  | Bid  | 252 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156253  | Bid  | 253 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156254  | Bid  | 254 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156255  | Bid  | 255 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156256  | Bid  | 256 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156257  | Bid  | 257 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156258  | Bid  | 258 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156259  | Bid  | 259 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156260  | Bid  | 260 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156261  | Bid  | 261 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115001 | YD156262  | Bid  | 262 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115002 | YD30271   | Cab  | 7 Gordon G. Richards - 100%               | 24-Aug-10 | 15-Feb-15   | A     |
| 115002 | YD30272   | Cab  | 8 Gordon G. Richards - 100%               | 24-Aug-10 | 15-Feb-15   | A     |
| 115002 | YD30273   | Cab  | 9 Gordon G. Richards - 100%               | 24-Aug-10 | 15-Feb-15   | A     |
| 115002 | YD30274   | Cab  | 10 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-15   | A     |
| 115002 | YD30291   | Cab  | 27 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-15   | A     |

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| 115O02 | YD30292   | Cab   | 28 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115O02 | YD30293   | Cab   | 29 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115O02 | YD30294   | Cab   | 30 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115O02 | YC63021   | Cigar | 1 Gordon G. Richards - 100%              | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63022   | Cigar | 2 Gordon G. Richards - 100%              | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63023   | Cigar | 3 Gordon G. Richards - 100%              | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63024   | Cigar | 4 Gordon G. Richards - 100%              | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63025   | Cigar | 5 Gordon G. Richards - 100%              | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63026   | Cigar | 6 Gordon G. Richards - 100%              | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63027   | Cigar | 7 Gordon G. Richards - 100%              | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63028   | Cigar | 8 Gordon G. Richards - 100%              | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63029   | Cigar | 9 Gordon G. Richards - 100%              | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63030   | Cigar | 10 Gordon G. Richards - 100%             | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63031   | Cigar | 11 Gordon G. Richards - 100%             | 23-Oct-07 | 15-Feb-15   | A     |
| 115O02 | YC63032   | Cigar | 12 Gordon G. Richards - 100%             | 23-Oct-07 | 15-Feb-15   | A     |
| 115J16 | YD156020  | CR    | 20 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156021  | CR    | 21 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156022  | CR    | 22 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156023  | CR    | 23 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156024  | CR    | 24 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156025  | CR    | 25 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156026  | CR    | 26 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156027  | CR    | 27 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156028  | CR    | 28 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156029  | CR    | 29 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156030  | CR    | 30 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156031  | CR    | 31 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156032  | CR    | 32 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156033  | CR    | 33 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156034  | CR    | 34 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156035  | CR    | 35 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156036  | CR    | 36 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156037  | CR    | 37 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |

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| 115J16 | YD156038  | CR   | 38 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156039  | CR   | 39 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156040  | CR   | 40 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156041  | CR   | 41 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156042  | CR   | 42 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156043  | CR   | 43 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156044  | CR   | 44 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156045  | CR   | 45 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156046  | CR   | 46 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156047  | CR   | 47 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156048  | CR   | 48 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156049  | CR   | 49 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156050  | CR   | 50 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156051  | CR   | 51 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156052  | CR   | 52 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156053  | CR   | 53 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156054  | CR   | 54 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156055  | CR   | 55 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156056  | CR   | 56 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156057  | CR   | 57 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156058  | CR   | 58 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156059  | CR   | 59 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156060  | CR   | 60 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156061  | CR   | 61 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156062  | CR   | 62 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156063  | CR   | 63 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156064  | CR   | 64 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156065  | CR   | 65 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156066  | CR   | 66 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156067  | CR   | 67 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156068  | CR   | 68 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156069  | CR   | 69 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156101  | CR   | 101 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |

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| 115J16 | YD156102  | CR   | 102 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156103  | CR   | 103 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156104  | CR   | 104 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156105  | CR   | 105 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115J16 | YD156106  | CR   | 106 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-16   | A     |
| 115O01 | YE62417   | CRA  | 13 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62418   | CRA  | 14 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62419   | CRA  | 15 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62420   | CRA  | 16 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62421   | CRA  | 17 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62422   | CRA  | 18 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62423   | CRA  | 19 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62424   | CRA  | 20 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62425   | CRA  | 21 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62426   | CRA  | 22 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62427   | CRA  | 23 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62428   | CRA  | 24 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62429   | CRA  | 25 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62430   | CRA  | 26 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62431   | CRA  | 27 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62432   | CRA  | 28 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62433   | CRA  | 29 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62434   | CRA  | 30 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62435   | CRA  | 31 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62436   | CRA  | 32 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62437   | CRA  | 33 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62438   | CRA  | 34 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62439   | CRA  | 35 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115O01 | YE62440   | CRA  | 36 Pacific Ridge Exploration Ltd. - 100%  | 19-Sep-11 | 15-Feb-16   | A     |
| 115J16 | YD08187   | Dora | 1 Pacific Ridge Exploration Ltd. - 100%   | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08188   | Dora | 2 Pacific Ridge Exploration Ltd. - 100%   | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08189   | Dora | 3 Pacific Ridge Exploration Ltd. - 100%   | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08190   | Dora | 4 Pacific Ridge Exploration Ltd. - 100%   | 24-Sep-09 | 15-Feb-15   | A     |



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| 115J16 | YD08191   | Dora   | 5 Pacific Ridge Exploration Ltd. - 100%   | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08192   | Dora   | 6 Pacific Ridge Exploration Ltd. - 100%   | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08193   | Dora   | 7 Pacific Ridge Exploration Ltd. - 100%   | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08194   | Dora   | 8 Pacific Ridge Exploration Ltd. - 100%   | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08195   | Dora   | 9 Pacific Ridge Exploration Ltd. - 100%   | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08196   | Dora   | 10 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08197   | Dora   | 11 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD08198   | Dora   | 12 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-15   | A     |
| 115J16 | YD31550   | Dora   | 13 Gordon G. Richards - 100%              | 1-Sep-10  | 15-Feb-15   | A     |
| 115J16 | YD31551   | Dora   | 14 Gordon G. Richards - 100%              | 1-Sep-10  | 15-Feb-15   | A     |
| 115J16 | YD31552   | Dora   | 15 Gordon G. Richards - 100%              | 1-Sep-10  | 15-Feb-15   | A     |
| 115J16 | YD31553   | Dora   | 16 Gordon G. Richards - 100%              | 1-Sep-10  | 15-Feb-15   | A     |
| 115J16 | YD31560   | Dora   | 23 Pacific Ridge Exploration Ltd. - 100%  | 1-Sep-10  | 15-Feb-15   | A     |
| 115J15 | YD08183   | Gertie | 43 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-15   | A     |
| 115J15 | YD08184   | Gertie | 44 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-15   | A     |
| 115J15 | YD08185   | Gertie | 45 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-15   | A     |
| 115J15 | YD08186   | Gertie | 46 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-15   | A     |
| 115J15 | YD30097   | Lou    | 67 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30098   | Lou    | 68 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30099   | Lou    | 69 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30100   | Lou    | 70 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30101   | Lou    | 71 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30102   | Lou    | 72 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30137   | Lou    | 107 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30138   | Lou    | 108 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30139   | Lou    | 109 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30140   | Lou    | 110 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30141   | Lou    | 111 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30142   | Lou    | 112 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30143   | Lou    | 113 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30144   | Lou    | 114 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30145   | Lou    | 115 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30146   | Lou    | 116 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |

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| 115J16 | YD30147   | Lou  | 117 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30148   | Lou  | 118 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30149   | Lou  | 119 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30150   | Lou  | 120 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30179   | Lou  | 149 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30180   | Lou  | 150 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30181   | Lou  | 151 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30182   | Lou  | 152 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30183   | Lou  | 153 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J15 | YD30184   | Lou  | 154 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30185   | Lou  | 155 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30186   | Lou  | 156 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30187   | Lou  | 157 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30188   | Lou  | 158 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30189   | Lou  | 159 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30190   | Lou  | 160 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30191   | Lou  | 161 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30192   | Lou  | 162 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30193   | Lou  | 163 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30194   | Lou  | 164 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30195   | Lou  | 165 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30196   | Lou  | 166 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30197   | Lou  | 167 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30198   | Lou  | 168 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30199   | Lou  | 169 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30200   | Lou  | 170 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30201   | Lou  | 171 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30202   | Lou  | 172 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30203   | Lou  | 173 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30204   | Lou  | 174 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115O01 | YD64301   | PM   | 1 Gordon G. Richards - 100%               | 24-Aug-10 | 15-Feb-15   | A     |
| 115O01 | YD64302   | PM   | 2 Gordon G. Richards - 100%               | 24-Aug-10 | 15-Feb-15   | A     |
| 115O01 | YD64303   | PM   | 3 Gordon G. Richards - 100%               | 24-Aug-10 | 15-Feb-15   | A     |

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| 115001 | YD64304   | PM   | 4 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64305   | PM   | 5 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64306   | PM   | 6 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64307   | PM   | 7 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64308   | PM   | 8 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64309   | PM   | 9 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64310   | PM   | 10 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64311   | PM   | 11 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64312   | PM   | 12 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64313   | PM   | 13 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64314   | PM   | 14 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64315   | PM   | 15 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64316   | PM   | 16 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64317   | PM   | 17 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64318   | PM   | 18 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64319   | PM   | 19 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64320   | PM   | 20 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64321   | PM   | 21 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64322   | PM   | 22 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64323   | PM   | 23 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YD64324   | PM   | 24 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115001 | YC44279   | PTL  | 1 Glen Macdonald - 100%                  | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44280   | PTL  | 2 Glen Macdonald - 100%                  | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44281   | PTL  | 3 Glen Macdonald - 100%                  | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44282   | PTL  | 4 Glen Macdonald - 100%                  | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44283   | PTL  | 5 Glen Macdonald - 100%                  | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44284   | PTL  | 6 Glen Macdonald - 100%                  | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44285   | PTL  | 7 Glen Macdonald - 100%                  | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44286   | PTL  | 8 Glen Macdonald - 100%                  | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44287   | PTL  | 9 Glen Macdonald - 100%                  | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44288   | PTL  | 10 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44289   | PTL  | 11 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44290   | PTL  | 12 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |

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| 115001 | YC44291   | PTL  | 13 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44292   | PTL  | 14 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44293   | PTL  | 15 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44294   | PTL  | 16 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44295   | PTL  | 17 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44296   | PTL  | 18 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44297   | PTL  | 19 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44298   | PTL  | 20 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44299   | PTL  | 21 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44300   | PTL  | 22 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44301   | PTL  | 23 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44302   | PTL  | 24 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44303   | PTL  | 25 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44304   | PTL  | 26 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44305   | PTL  | 27 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44306   | PTL  | 28 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44307   | PTL  | 29 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44308   | PTL  | 30 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44309   | PTL  | 31 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44310   | PTL  | 32 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44311   | PTL  | 33 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44312   | PTL  | 34 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44313   | PTL  | 35 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44314   | PTL  | 36 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44315   | PTL  | 37 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44316   | PTL  | 38 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115001 | YC44317   | PTL  | 39 Glen Macdonald - 100%                 | 31-May-06 | 15-Feb-15   | A     |
| 115J16 | YD30316   | QE   | 14 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30315   | QE   | 15 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30318   | QE   | 16 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30317   | QE   | 17 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30320   | QE   | 18 Pacific Ridge Exploration Ltd. - 100% | 26-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30319   | QE   | 19 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |



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| 115J16 | YD30322   | QE      | 20 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30321   | QE      | 21 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30324   | QE      | 22 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30323   | QE      | 23 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30326   | QE      | 24 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30325   | QE      | 25 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30328   | QE      | 26 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30327   | QE      | 27 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30330   | QE      | 28 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30329   | QE      | 29 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30332   | QE      | 30 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30331   | QE      | 31 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30334   | QE      | 32 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30333   | QE      | 33 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30336   | QE      | 34 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30335   | QE      | 35 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30338   | QE      | 36 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30337   | QE      | 37 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30340   | QE      | 38 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30339   | QE      | 39 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30342   | QE      | 40 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD30341   | QE      | 41 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD31540   | QE      | 54 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD31520   | QE      | 55 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD31541   | QE      | 56 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD31542   | QE      | 57 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD31543   | QE      | 58 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-15   | A     |
| 115J16 | YD31516   | QE      | 59 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-15   | A     |
| 115O02 | YC17666   | Rum Run | 9 Gordon G. Richards - 100%              | 16-Sep-99 | 15-Feb-18   | A     |
| 115O02 | YC17667   | Rum Run | 10 Gordon G. Richards - 100%             | 16-Sep-99 | 15-Feb-18   | A     |
| 115O02 | YC17668   | Rum Run | 11 Gordon G. Richards - 100%             | 16-Sep-99 | 15-Feb-18   | A     |
| 115O02 | YC17669   | Rum Run | 12 Gordon G. Richards - 100%             | 16-Sep-99 | 15-Feb-18   | A     |
| 115O02 | YC17674   | Rum Run | 17 Gordon G. Richards - 100%             | 16-Sep-99 | 15-Feb-18   | A     |

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| 115O02 | YC17676   | Rum Run   | 19 Gordon G. Richards - 100% | 16-Sep-99 | 15-Feb-18   | A     |
| 115O02 | YC76009   | Toluamide | 23 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O02 | YC76010   | Toluamide | 24 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O02 | YC76015   | Toluamide | 29 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O02 | YC76016   | Toluamide | 30 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O02 | YC76017   | Toluamide | 31 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O02 | YC76018   | Toluamide | 32 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O02 | YC76019   | Toluamide | 33 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O02 | YC76020   | Toluamide | 34 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76021   | Toluamide | 35 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76022   | Toluamide | 36 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76023   | Toluamide | 37 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76024   | Toluamide | 38 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76025   | Toluamide | 39 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76026   | Toluamide | 40 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76027   | Toluamide | 41 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76028   | Toluamide | 42 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76029   | Toluamide | 43 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115O01 | YC76030   | Toluamide | 44 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76031   | Toluamide | 45 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76032   | Toluamide | 46 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76033   | Toluamide | 47 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76034   | Toluamide | 48 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76035   | Toluamide | 49 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76036   | Toluamide | 50 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76037   | Toluamide | 51 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76038   | Toluamide | 52 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76039   | Toluamide | 53 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76040   | Toluamide | 54 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76041   | Toluamide | 55 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76042   | Toluamide | 56 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76043   | Toluamide | 57 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |
| 115J16 | YC76044   | Toluamide | 58 Gordon G. Richards - 100% | 7-Aug-08  | 15-Feb-15   | A     |

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| 115001 | YD12601   | Toluamide | 65 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12602   | Toluamide | 66 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12603   | Toluamide | 67 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12604   | Toluamide | 68 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12605   | Toluamide | 69 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12606   | Toluamide | 70 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12607   | Toluamide | 71 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12608   | Toluamide | 72 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12609   | Toluamide | 73 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12610   | Toluamide | 74 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12611   | Toluamide | 75 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12612   | Toluamide | 76 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12613   | Toluamide | 77 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12614   | Toluamide | 78 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12615   | Toluamide | 79 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12616   | Toluamide | 80 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12617   | Toluamide | 81 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12618   | Toluamide | 82 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12621   | Toluamide | 85 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12622   | Toluamide | 86 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12623   | Toluamide | 87 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12624   | Toluamide | 88 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12625   | Toluamide | 89 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12626   | Toluamide | 90 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12627   | Toluamide | 91 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12628   | Toluamide | 92 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12629   | Toluamide | 93 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115001 | YD12630   | Toluamide | 94 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J15 | YD12631   | Toluamide | 95 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J15 | YD12632   | Toluamide | 96 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J15 | YD12633   | Toluamide | 97 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J15 | YD12634   | Toluamide | 98 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J15 | YD12635   | Toluamide | 99 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |

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| 115J15 | YD12636   | Toluamide | 100 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J15 | YD12637   | Toluamide | 101 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J15 | YD12638   | Toluamide | 102 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J15 | YD12639   | Toluamide | 103 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J15 | YD12640   | Toluamide | 104 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12641   | Toluamide | 105 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12642   | Toluamide | 106 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12643   | Toluamide | 107 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12644   | Toluamide | 108 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12645   | Toluamide | 109 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12646   | Toluamide | 110 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12647   | Toluamide | 111 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12648   | Toluamide | 112 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12649   | Toluamide | 113 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12650   | Toluamide | 114 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12652   | Toluamide | 116 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12653   | Toluamide | 117 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12654   | Toluamide | 118 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12655   | Toluamide | 119 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12656   | Toluamide | 120 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12657   | Toluamide | 121 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12658   | Toluamide | 122 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12659   | Toluamide | 123 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12660   | Toluamide | 124 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12661   | Toluamide | 125 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12662   | Toluamide | 126 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12663   | Toluamide | 127 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12664   | Toluamide | 128 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12665   | Toluamide | 129 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12666   | Toluamide | 130 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12667   | Toluamide | 131 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12668   | Toluamide | 132 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12669   | Toluamide | 133 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-15   | A     |



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| 115J16 | YD12670   | Toluamide | 134 Gordon G. Richards - 100%            | 24-Aug-09 | 15-Feb-15   | A     |
| 115J16 | YD12671   | Toluamide | 135 Gordon G. Richards - 100%            | 24-Aug-09 | 15-Feb-15   | A     |
| 115O01 | YD12672   | Toluamide | 136 Gordon G. Richards - 100%            | 24-Aug-09 | 15-Feb-15   | A     |
| 115O01 | YD12673   | Toluamide | 137 Gordon G. Richards - 100%            | 24-Aug-09 | 15-Feb-15   | A     |
| 115O01 | YD12674   | Toluamide | 138 Gordon G. Richards - 100%            | 24-Aug-09 | 15-Feb-15   | A     |
| 115O02 | YE62353   | BID       | 18 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62354   | BID       | 19 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62355   | BID       | 20 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62356   | BID       | 21 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62357   | BID       | 22 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62358   | BID       | 23 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62359   | BID       | 24 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62360   | BID       | 25 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62361   | BID       | 26 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62362   | BID       | 27 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62363   | BID       | 28 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62364   | BID       | 29 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62365   | BID       | 30 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62366   | BID       | 31 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62367   | BID       | 32 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YE62368   | BID       | 33 Pacific Ridge Exploration Ltd. - 100% | 19-Sep-11 | 15-Feb-16   | B     |
| 115O02 | YD30265   | Cab       | 1 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30266   | Cab       | 2 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30267   | Cab       | 3 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30268   | Cab       | 4 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30269   | Cab       | 5 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30270   | Cab       | 6 Gordon G. Richards - 100%              | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30275   | Cab       | 11 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30276   | Cab       | 12 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30277   | Cab       | 13 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30278   | Cab       | 14 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30279   | Cab       | 15 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-17   | B     |
| 115O02 | YD30280   | Cab       | 16 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-17   | B     |

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| 115002 | YD30281   | Cab  | 17 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115002 | YD30282   | Cab  | 18 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115002 | YD30283   | Cab  | 19 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115002 | YD30284   | Cab  | 20 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115002 | YD30285   | Cab  | 21 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115002 | YD30286   | Cab  | 22 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115002 | YD30287   | Cab  | 23 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115002 | YD30288   | Cab  | 24 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115002 | YD30289   | Cab  | 25 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115002 | YD30290   | Cab  | 26 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-17   | B     |
| 115J16 | YD106501  | CR   | 1 Pacific Ridge Exploration Ltd. - 100%   | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD106502  | CR   | 2 Pacific Ridge Exploration Ltd. - 100%   | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156003  | CR   | 3 Pacific Ridge Exploration Ltd. - 100%   | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156004  | CR   | 4 Pacific Ridge Exploration Ltd. - 100%   | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156005  | CR   | 5 Pacific Ridge Exploration Ltd. - 100%   | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156006  | CR   | 6 Pacific Ridge Exploration Ltd. - 100%   | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156007  | CR   | 7 Pacific Ridge Exploration Ltd. - 100%   | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156008  | CR   | 8 Pacific Ridge Exploration Ltd. - 100%   | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156010  | CR   | 10 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156011  | CR   | 11 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156012  | CR   | 12 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156013  | CR   | 13 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156014  | CR   | 14 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156015  | CR   | 15 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156016  | CR   | 16 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156017  | CR   | 17 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156018  | CR   | 18 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156019  | CR   | 19 Pacific Ridge Exploration Ltd. - 100%  | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156107  | CR   | 107 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156109  | CR   | 109 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156110  | CR   | 110 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156311  | CR   | 111 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156312  | CR   | 112 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |

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| 115J16 | YD156313  | CR   | 113 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156314  | CR   | 114 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156315  | CR   | 115 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156316  | CR   | 116 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156317  | CR   | 117 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156318  | CR   | 118 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156319  | CR   | 119 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156320  | CR   | 120 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156321  | CR   | 121 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156322  | CR   | 122 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156323  | CR   | 123 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156324  | CR   | 124 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156325  | CR   | 125 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156326  | CR   | 126 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156327  | CR   | 127 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156328  | CR   | 128 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156329  | CR   | 129 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156330  | CR   | 130 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156331  | CR   | 131 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156332  | CR   | 132 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156333  | CR   | 133 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156334  | CR   | 134 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156335  | CR   | 135 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156336  | CR   | 136 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156337  | CR   | 137 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156338  | CR   | 138 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156339  | CR   | 139 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156340  | CR   | 140 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156341  | CR   | 141 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156342  | CR   | 142 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156343  | CR   | 143 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156344  | CR   | 144 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156345  | CR   | 145 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |

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| 115J16 | YD156346  | CR   | 146 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156347  | CR   | 147 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156348  | CR   | 148 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156349  | CR   | 149 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156350  | CR   | 150 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156351  | CR   | 151 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156352  | CR   | 152 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156353  | CR   | 153 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156354  | CR   | 154 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156355  | CR   | 155 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156356  | CR   | 156 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156357  | CR   | 157 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156358  | CR   | 158 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156359  | CR   | 159 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156360  | CR   | 160 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156361  | CR   | 161 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156362  | CR   | 162 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156363  | CR   | 163 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156364  | CR   | 164 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156365  | CR   | 165 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156366  | CR   | 166 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156367  | CR   | 167 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156368  | CR   | 168 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156369  | CR   | 169 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156370  | CR   | 170 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156371  | CR   | 171 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156372  | CR   | 172 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156373  | CR   | 173 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156374  | CR   | 174 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156375  | CR   | 175 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156376  | CR   | 176 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156377  | CR   | 177 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156378  | CR   | 178 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |



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| 115J16 | YD156379  | CR   | 179 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156380  | CR   | 180 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156381  | CR   | 181 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156382  | CR   | 182 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156383  | CR   | 183 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156384  | CR   | 184 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156385  | CR   | 185 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156386  | CR   | 186 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156387  | CR   | 187 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156388  | CR   | 188 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156389  | CR   | 189 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156390  | CR   | 190 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156391  | CR   | 191 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156392  | CR   | 192 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156393  | CR   | 193 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156394  | CR   | 194 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156395  | CR   | 195 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156396  | CR   | 196 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156397  | CR   | 197 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156398  | CR   | 198 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156399  | CR   | 199 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156400  | CR   | 200 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156401  | CR   | 201 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156402  | CR   | 202 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156403  | CR   | 203 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156404  | CR   | 204 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156405  | CR   | 205 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156406  | CR   | 206 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156407  | CR   | 207 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156408  | CR   | 208 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156409  | CR   | 209 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156410  | CR   | 210 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156411  | CR   | 211 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |

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| 115J16 | YD156412  | CR   | 212 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156413  | CR   | 213 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156414  | CR   | 214 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156415  | CR   | 215 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156416  | CR   | 216 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156417  | CR   | 217 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156418  | CR   | 218 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156419  | CR   | 219 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156420  | CR   | 220 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156421  | CR   | 221 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156422  | CR   | 222 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156423  | CR   | 223 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156424  | CR   | 224 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156425  | CR   | 225 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156426  | CR   | 226 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156427  | CR   | 227 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156428  | CR   | 228 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156429  | CR   | 229 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156430  | CR   | 230 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156431  | CR   | 231 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156432  | CR   | 232 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156433  | CR   | 233 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156434  | CR   | 234 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156435  | CR   | 235 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156436  | CR   | 236 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156437  | CR   | 237 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156438  | CR   | 238 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156439  | CR   | 239 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156440  | CR   | 240 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156441  | CR   | 241 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156442  | CR   | 242 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156443  | CR   | 243 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156444  | CR   | 244 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |

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| 115J16 | YD156445  | CR   | 245 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156446  | CR   | 246 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156447  | CR   | 247 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156448  | CR   | 248 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156449  | CR   | 249 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156450  | CR   | 250 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156451  | CR   | 251 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156452  | CR   | 252 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156453  | CR   | 253 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156454  | CR   | 254 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156455  | CR   | 255 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156456  | CR   | 256 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156457  | CR   | 257 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156458  | CR   | 258 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156459  | CR   | 259 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156460  | CR   | 260 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156461  | CR   | 261 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156462  | CR   | 262 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156463  | CR   | 263 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156464  | CR   | 264 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156465  | CR   | 265 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156466  | CR   | 266 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156009  | CR F | 9 Pacific Ridge Exploration Ltd. - 100%   | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD156108  | CR F | 108 Pacific Ridge Exploration Ltd. - 100% | 27-May-11 | 15-Feb-21   | B     |
| 115J16 | YD73937   | Crip | 1 Pacific Ridge Exploration Ltd. - 100%   | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73938   | Crip | 2 Pacific Ridge Exploration Ltd. - 100%   | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73939   | Crip | 3 Pacific Ridge Exploration Ltd. - 100%   | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73940   | Crip | 4 Pacific Ridge Exploration Ltd. - 100%   | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73941   | Crip | 5 Pacific Ridge Exploration Ltd. - 100%   | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73942   | Crip | 6 Pacific Ridge Exploration Ltd. - 100%   | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73943   | Crip | 7 Pacific Ridge Exploration Ltd. - 100%   | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73944   | Crip | 8 Pacific Ridge Exploration Ltd. - 100%   | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73945   | Crip | 9 Pacific Ridge Exploration Ltd. - 100%   | 27-Sep-10 | 15-Feb-20   | B     |

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| 115J16 | YD73946   | Crip | 10 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73947   | Crip | 11 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73948   | Crip | 12 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73949   | Crip | 13 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73950   | Crip | 14 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73951   | Crip | 15 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73952   | Crip | 16 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73953   | Crip | 17 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73954   | Crip | 18 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73955   | Crip | 19 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73956   | Crip | 20 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73957   | Crip | 21 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73958   | Crip | 22 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73959   | Crip | 23 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73960   | Crip | 24 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73961   | Crip | 25 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73962   | Crip | 26 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73963   | Crip | 27 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73964   | Crip | 28 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73965   | Crip | 29 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73966   | Crip | 30 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73967   | Crip | 31 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73968   | Crip | 32 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73969   | Crip | 33 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73970   | Crip | 34 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73971   | Crip | 35 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73972   | Crip | 36 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73973   | Crip | 37 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73974   | Crip | 38 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73975   | Crip | 39 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73976   | Crip | 40 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73977   | Crip | 41 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73978   | Crip | 42 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |

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| 115J16 | YD73979   | Crip | 43 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73980   | Crip | 44 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73981   | Crip | 45 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73982   | Crip | 46 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73983   | Crip | 47 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73984   | Crip | 48 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73985   | Crip | 49 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73986   | Crip | 50 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73987   | Crip | 51 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73988   | Crip | 52 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73989   | Crip | 53 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73990   | Crip | 54 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73991   | Crip | 55 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73992   | Crip | 56 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73993   | Crip | 57 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73994   | Crip | 58 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73995   | Crip | 59 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73996   | Crip | 60 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73997   | Crip | 61 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73998   | Crip | 62 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD73999   | Crip | 63 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD74000   | Crip | 64 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-20   | B     |
| 115J16 | YD31554   | Dora | 17 Gordon G. Richards - 100%             | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31555   | Dora | 18 Gordon G. Richards - 100%             | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31556   | Dora | 19 Gordon G. Richards - 100%             | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31557   | Dora | 20 Gordon G. Richards - 100%             | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31558   | Dora | 21 Gordon G. Richards - 100%             | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31559   | Dora | 22 Gordon G. Richards - 100%             | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31561   | Dora | 24 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31562   | Dora | 25 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31563   | Dora | 26 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31564   | Dora | 27 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD31565   | Dora | 28 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-17   | B     |



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| 115J16 | YD64292   | Dora  | 29 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-19   | B     |
| 115J16 | YD64293   | Dora  | 30 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-17   | B     |
| 115J16 | YD08101   | Flora | 1 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08102   | Flora | 2 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08103   | Flora | 3 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08104   | Flora | 4 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08105   | Flora | 5 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08106   | Flora | 6 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08107   | Flora | 7 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08108   | Flora | 8 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08109   | Flora | 9 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08110   | Flora | 10 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08111   | Flora | 11 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08112   | Flora | 12 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08113   | Flora | 13 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08114   | Flora | 14 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08115   | Flora | 15 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08116   | Flora | 16 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08117   | Flora | 17 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08118   | Flora | 18 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08119   | Flora | 19 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08120   | Flora | 20 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08121   | Flora | 21 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08122   | Flora | 22 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08123   | Flora | 23 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08124   | Flora | 24 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08125   | Flora | 25 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08126   | Flora | 26 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08127   | Flora | 27 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08128   | Flora | 28 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08129   | Flora | 29 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08130   | Flora | 30 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08131   | Flora | 31 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |

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| 115J16 | YD08132   | Flora  | 32 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08133   | Flora  | 33 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08134   | Flora  | 34 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08135   | Flora  | 35 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J16 | YD08136   | Flora  | 36 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08141   | Gertie | 1 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08142   | Gertie | 2 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08143   | Gertie | 3 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08144   | Gertie | 4 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08145   | Gertie | 5 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08146   | Gertie | 6 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08147   | Gertie | 7 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08148   | Gertie | 8 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08149   | Gertie | 9 Pacific Ridge Exploration Ltd. - 100%  | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08150   | Gertie | 10 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08151   | Gertie | 11 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08152   | Gertie | 12 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08153   | Gertie | 13 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08154   | Gertie | 14 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08155   | Gertie | 15 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08156   | Gertie | 16 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08157   | Gertie | 17 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08158   | Gertie | 18 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08159   | Gertie | 19 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08160   | Gertie | 20 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08161   | Gertie | 21 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08162   | Gertie | 22 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08163   | Gertie | 23 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08164   | Gertie | 24 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08165   | Gertie | 25 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08166   | Gertie | 26 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08167   | Gertie | 27 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08168   | Gertie | 28 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |

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| 115J15 | YD08169   | Gertie | 29 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08170   | Gertie | 30 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08171   | Gertie | 31 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08172   | Gertie | 32 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08173   | Gertie | 33 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08174   | Gertie | 34 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08175   | Gertie | 35 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08176   | Gertie | 36 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08177   | Gertie | 37 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08178   | Gertie | 38 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08179   | Gertie | 39 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08180   | Gertie | 40 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08181   | Gertie | 41 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115J15 | YD08182   | Gertie | 42 Pacific Ridge Exploration Ltd. - 100% | 24-Sep-09 | 15-Feb-19   | B     |
| 115O02 | YD64281   | Lot    | 1 Gordon G. Richards - 100%              | 2-Jul-10  | 15-Feb-15   | B     |
| 115O02 | YD64218   | Lot    | 2 Gordon G. Richards - 100%              | 2-Jul-10  | 15-Feb-15   | B     |
| 115J15 | YD30031   | Lou    | 1 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30032   | Lou    | 2 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30033   | Lou    | 3 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30034   | Lou    | 4 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30035   | Lou    | 5 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30036   | Lou    | 6 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30037   | Lou    | 7 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30038   | Lou    | 8 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30039   | Lou    | 9 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30040   | Lou    | 10 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30041   | Lou    | 11 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30042   | Lou    | 12 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30043   | Lou    | 13 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30044   | Lou    | 14 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30045   | Lou    | 15 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30046   | Lou    | 16 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30047   | Lou    | 17 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |

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| 115J15 | YD30048   | Lou  | 18 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30049   | Lou  | 19 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30050   | Lou  | 20 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30051   | Lou  | 21 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30052   | Lou  | 22 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30053   | Lou  | 23 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30054   | Lou  | 24 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30055   | Lou  | 25 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30056   | Lou  | 26 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30057   | Lou  | 27 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30058   | Lou  | 28 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30059   | Lou  | 29 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30060   | Lou  | 30 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30061   | Lou  | 31 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30062   | Lou  | 32 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30063   | Lou  | 33 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30064   | Lou  | 34 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30065   | Lou  | 35 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30066   | Lou  | 36 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30067   | Lou  | 37 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30068   | Lou  | 38 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30069   | Lou  | 39 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30070   | Lou  | 40 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30071   | Lou  | 41 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30072   | Lou  | 42 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30073   | Lou  | 43 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30074   | Lou  | 44 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30075   | Lou  | 45 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30076   | Lou  | 46 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30077   | Lou  | 47 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30078   | Lou  | 48 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30079   | Lou  | 49 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30080   | Lou  | 50 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |

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| 115J15 | YD30081   | Lou  | 51 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30082   | Lou  | 52 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30083   | Lou  | 53 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30084   | Lou  | 54 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30085   | Lou  | 55 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30086   | Lou  | 56 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30087   | Lou  | 57 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30088   | Lou  | 58 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30089   | Lou  | 59 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30090   | Lou  | 60 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30091   | Lou  | 61 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30092   | Lou  | 62 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30093   | Lou  | 63 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30094   | Lou  | 64 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30095   | Lou  | 65 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30096   | Lou  | 66 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30103   | Lou  | 73 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30104   | Lou  | 74 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30105   | Lou  | 75 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30106   | Lou  | 76 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30107   | Lou  | 77 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30108   | Lou  | 78 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30109   | Lou  | 79 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30110   | Lou  | 80 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30111   | Lou  | 81 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30112   | Lou  | 82 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30113   | Lou  | 83 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30114   | Lou  | 84 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30115   | Lou  | 85 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30116   | Lou  | 86 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30117   | Lou  | 87 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30118   | Lou  | 88 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30119   | Lou  | 89 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |



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| 115J15 | YD30120   | Lou  | 90 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30121   | Lou  | 91 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30122   | Lou  | 92 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30123   | Lou  | 93 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30124   | Lou  | 94 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30125   | Lou  | 95 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30126   | Lou  | 96 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30127   | Lou  | 97 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30128   | Lou  | 98 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30129   | Lou  | 99 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30130   | Lou  | 100 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30131   | Lou  | 101 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30132   | Lou  | 102 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30133   | Lou  | 103 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30134   | Lou  | 104 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30135   | Lou  | 105 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30136   | Lou  | 106 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30151   | Lou  | 121 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30152   | Lou  | 122 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30153   | Lou  | 123 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30154   | Lou  | 124 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30155   | Lou  | 125 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30156   | Lou  | 126 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30157   | Lou  | 127 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30158   | Lou  | 128 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30159   | Lou  | 129 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30160   | Lou  | 130 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30161   | Lou  | 131 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30162   | Lou  | 132 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30163   | Lou  | 133 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30164   | Lou  | 134 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30165   | Lou  | 135 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30166   | Lou  | 136 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |

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| 115J15 | YD30167   | Lou  | 137 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30168   | Lou  | 138 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30169   | Lou  | 139 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30170   | Lou  | 140 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30171   | Lou  | 141 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30172   | Lou  | 142 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30173   | Lou  | 143 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30174   | Lou  | 144 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30175   | Lou  | 145 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30176   | Lou  | 146 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30177   | Lou  | 147 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30178   | Lou  | 148 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30205   | Lou  | 175 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30206   | Lou  | 176 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30207   | Lou  | 177 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30208   | Lou  | 178 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30209   | Lou  | 179 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30210   | Lou  | 180 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30211   | Lou  | 181 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30212   | Lou  | 182 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30213   | Lou  | 183 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30214   | Lou  | 184 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30215   | Lou  | 185 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30216   | Lou  | 186 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30217   | Lou  | 187 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30218   | Lou  | 188 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30219   | Lou  | 189 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30220   | Lou  | 190 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30221   | Lou  | 191 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30222   | Lou  | 192 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30223   | Lou  | 193 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30224   | Lou  | 194 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30225   | Lou  | 195 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |

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| 115J15 | YD30226   | Lou  | 196 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30227   | Lou  | 197 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30228   | Lou  | 198 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30229   | Lou  | 199 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J15 | YD30230   | Lou  | 200 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30231   | Lou  | 201 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30232   | Lou  | 202 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30233   | Lou  | 203 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30234   | Lou  | 204 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30235   | Lou  | 205 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30236   | Lou  | 206 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30237   | Lou  | 207 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30238   | Lou  | 208 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30239   | Lou  | 209 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30240   | Lou  | 210 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30241   | Lou  | 211 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30242   | Lou  | 212 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30243   | Lou  | 213 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30244   | Lou  | 214 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30245   | Lou  | 215 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30246   | Lou  | 216 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30247   | Lou  | 217 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30248   | Lou  | 218 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30249   | Lou  | 219 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30250   | Lou  | 220 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30251   | Lou  | 221 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30252   | Lou  | 222 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30307   | Lou  | 237 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30308   | Lou  | 238 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30309   | Lou  | 239 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD30310   | Lou  | 240 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31521   | QE   | 1 Pacific Ridge Exploration Ltd. - 100%   | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31522   | QE   | 2 Pacific Ridge Exploration Ltd. - 100%   | 24-Aug-10 | 15-Feb-20   | B     |

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| 115J16 | YD31523   | QE      | 3 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31524   | QE      | 4 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31525   | QE      | 5 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31526   | QE      | 6 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31527   | QE      | 7 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31528   | QE      | 8 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31529   | QE      | 9 Pacific Ridge Exploration Ltd. - 100%  | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31530   | QE      | 10 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31531   | QE      | 11 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31532   | QE      | 12 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31533   | QE      | 13 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31545   | QE      | 42 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-20   | B     |
| 115J16 | YD31517   | QE      | 43 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31518   | QE      | 44 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31519   | QE      | 45 Gordon G. Richards - 100%             | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31536   | QE      | 46 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31537   | QE      | 47 Pacific Ridge Exploration Ltd. - 100% | 24-Aug-10 | 15-Feb-20   | B     |
| 115J16 | YD31538   | QE      | 48 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-20   | B     |
| 115J16 | YD31539   | QE      | 49 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-20   | B     |
| 115J16 | YD31546   | QE      | 50 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-20   | B     |
| 115J16 | YD31547   | QE      | 51 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-20   | B     |
| 115J16 | YD31548   | QE      | 52 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-20   | B     |
| 115J16 | YD31549   | QE      | 53 Pacific Ridge Exploration Ltd. - 100% | 1-Sep-10  | 15-Feb-20   | B     |
| 115O02 | YC17658   | Rum Run | 1 Gordon G. Richards - 100%              | 16-Sep-99 | 15-Feb-18   | B     |
| 115O02 | YC17660   | Rum Run | 3 Gordon G. Richards - 100%              | 16-Sep-99 | 15-Feb-18   | B     |
| 115O02 | YC17661   | Rum Run | 4 Gordon G. Richards - 100%              | 16-Sep-99 | 15-Feb-18   | B     |
| 115O02 | YC17662   | Rum Run | 5 Gordon G. Richards - 100%              | 16-Sep-99 | 15-Feb-18   | B     |
| 115O02 | YC17663   | Rum Run | 6 Gordon G. Richards - 100%              | 16-Sep-99 | 15-Feb-18   | B     |
| 115O02 | YC17664   | Rum Run | 7 Gordon G. Richards - 100%              | 16-Sep-99 | 15-Feb-18   | B     |
| 115O02 | YC17665   | Rum Run | 8 Gordon G. Richards - 100%              | 16-Sep-99 | 15-Feb-18   | B     |
| 115O02 | YC17670   | Rum Run | 13 Gordon G. Richards - 100%             | 16-Sep-99 | 15-Feb-18   | B     |
| 115O02 | YC17672   | Rum Run | 15 Gordon G. Richards - 100%             | 16-Sep-99 | 15-Feb-18   | B     |
| 115O02 | YC20192   | Rum Run | 21 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-18   | B     |

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| 115O02 | YC20193   | Rum Run | 22 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20194   | Rum Run | 23 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-18   | B     |
| 115O02 | YC20195   | Rum Run | 24 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20196   | Rum Run | 25 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20197   | Rum Run | 26 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20198   | Rum Run | 27 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20199   | Rum Run | 28 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20200   | Rum Run | 29 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20201   | Rum Run | 30 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20202   | Rum Run | 31 Pacific Ridge Exploration Ltd. - 100% | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20203   | Rum Run | 32 Pacific Ridge Exploration Ltd. - 100% | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20204   | Rum Run | 33 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20205   | Rum Run | 34 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20206   | Rum Run | 35 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20207   | Rum Run | 36 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20208   | Rum Run | 37 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20209   | Rum Run | 38 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-18   | B     |
| 115O02 | YC20210   | Rum Run | 39 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-18   | B     |
| 115O02 | YC20211   | Rum Run | 40 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-19   | B     |
| 115O02 | YC20214   | Rum Run | 43 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115J15 | YC36188   | Rum Run | 44 Gordon G. Richards - 100%             | 28-Jun-05 | 15-Feb-20   | B     |
| 115O02 | YC20216   | Rum Run | 45 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115J15 | YC36189   | Rum Run | 46 Gordon G. Richards - 100%             | 28-Jun-05 | 15-Feb-20   | B     |
| 115O02 | YC20218   | Rum Run | 47 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115J15 | YC36190   | Rum Run | 48 Gordon G. Richards - 100%             | 28-Jun-05 | 15-Feb-20   | B     |
| 115O02 | YC20220   | Rum Run | 49 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115O02 | YC20222   | Rum Run | 53 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115O02 | YC20223   | Rum Run | 54 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115O02 | YC20224   | Rum Run | 55 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115O02 | YC20225   | Rum Run | 56 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115O02 | YC20226   | Rum Run | 57 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115O02 | YC20227   | Rum Run | 58 Gordon G. Richards - 100%             | 29-Jun-00 | 15-Feb-20   | B     |
| 115J15 | YD73853   | STV     | 1 Pacific Ridge Exploration Ltd. - 100%  | 27-Sep-10 | 15-Feb-19   | B     |



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| 115J15 | YD73854   | STV  | 2 Pacific Ridge Exploration Ltd. - 100%  | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73855   | STV  | 3 Pacific Ridge Exploration Ltd. - 100%  | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73856   | STV  | 4 Pacific Ridge Exploration Ltd. - 100%  | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73857   | STV  | 5 Pacific Ridge Exploration Ltd. - 100%  | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73858   | STV  | 6 Pacific Ridge Exploration Ltd. - 100%  | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73859   | STV  | 7 Pacific Ridge Exploration Ltd. - 100%  | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73860   | STV  | 8 Pacific Ridge Exploration Ltd. - 100%  | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73861   | STV  | 9 Pacific Ridge Exploration Ltd. - 100%  | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73862   | STV  | 10 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73863   | STV  | 11 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73864   | STV  | 12 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73865   | STV  | 13 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73866   | STV  | 14 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73867   | STV  | 15 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73868   | STV  | 16 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73869   | STV  | 17 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73870   | STV  | 18 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73871   | STV  | 19 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73872   | STV  | 20 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73873   | STV  | 21 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73874   | STV  | 22 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73875   | STV  | 23 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73876   | STV  | 24 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73877   | STV  | 25 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73878   | STV  | 26 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73879   | STV  | 27 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73880   | STV  | 28 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73881   | STV  | 29 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73882   | STV  | 30 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73883   | STV  | 31 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115J15 | YD73884   | STV  | 32 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115O02 | YD73885   | STV  | 33 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115O02 | YD73886   | STV  | 34 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |

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| 115002 | YD73887   | STV  | 35 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73888   | STV  | 36 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73889   | STV  | 37 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73890   | STV  | 38 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73891   | STV  | 39 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73892   | STV  | 40 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73893   | STV  | 41 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73894   | STV  | 42 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73895   | STV  | 43 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73896   | STV  | 44 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73897   | STV  | 45 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73898   | STV  | 46 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73899   | STV  | 47 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73900   | STV  | 48 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73901   | STV  | 49 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73902   | STV  | 50 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73903   | STV  | 51 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73904   | STV  | 52 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73905   | STV  | 53 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73906   | STV  | 54 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73907   | STV  | 55 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73908   | STV  | 56 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73909   | STV  | 57 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73910   | STV  | 58 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73911   | STV  | 59 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73912   | STV  | 60 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73913   | STV  | 61 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73914   | STV  | 62 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73915   | STV  | 63 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73916   | STV  | 64 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73917   | STV  | 65 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73918   | STV  | 66 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73919   | STV  | 67 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |

| NTS    | Grant No. | Name      | No. Claim Owner                          | Rec. Date | Expiry Date | Group |
|--------|-----------|-----------|------------------------------------------|-----------|-------------|-------|
| 115002 | YD73920   | STV       | 68 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73921   | STV       | 69 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73922   | STV       | 70 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73923   | STV       | 71 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73924   | STV       | 72 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73927   | STV       | 75 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73928   | STV       | 76 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73929   | STV       | 77 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73930   | STV       | 78 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73931   | STV       | 79 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73932   | STV       | 80 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73933   | STV       | 81 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73934   | STV       | 82 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73925   | STV Fr    | 73 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73926   | STV Fr    | 74 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73935   | STV Fr    | 83 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YD73936   | STV Fr    | 84 Pacific Ridge Exploration Ltd. - 100% | 27-Sep-10 | 15-Feb-19   | B     |
| 115002 | YC75987   | Toluamide | 1 Gordon G. Richards - 100%              | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75988   | Toluamide | 2 Gordon G. Richards - 100%              | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75989   | Toluamide | 3 Gordon G. Richards - 100%              | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75990   | Toluamide | 4 Gordon G. Richards - 100%              | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75991   | Toluamide | 5 Gordon G. Richards - 100%              | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75992   | Toluamide | 6 Gordon G. Richards - 100%              | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75993   | Toluamide | 7 Gordon G. Richards - 100%              | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75994   | Toluamide | 8 Gordon G. Richards - 100%              | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75995   | Toluamide | 9 Gordon G. Richards - 100%              | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75996   | Toluamide | 10 Gordon G. Richards - 100%             | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75997   | Toluamide | 11 Gordon G. Richards - 100%             | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75998   | Toluamide | 12 Gordon G. Richards - 100%             | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC75999   | Toluamide | 13 Gordon G. Richards - 100%             | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC76000   | Toluamide | 14 Gordon G. Richards - 100%             | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC76001   | Toluamide | 15 Gordon G. Richards - 100%             | 7-Aug-08  | 15-Feb-21   | B     |
| 115002 | YC76002   | Toluamide | 16 Gordon G. Richards - 100%             | 7-Aug-08  | 15-Feb-21   | B     |

| NTS    | Grant No. | Name        | No. Claim Owner               | Rec. Date | Expiry Date | Group |
|--------|-----------|-------------|-------------------------------|-----------|-------------|-------|
| 115O02 | YC76003   | Toluamide   | 17 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76004   | Toluamide   | 18 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76005   | Toluamide   | 19 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76006   | Toluamide   | 20 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76007   | Toluamide   | 21 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76008   | Toluamide   | 22 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76011   | Toluamide   | 25 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-19   | B     |
| 115O02 | YC76012   | Toluamide   | 26 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-19   | B     |
| 115O02 | YC76013   | Toluamide   | 27 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-19   | B     |
| 115O02 | YC76014   | Toluamide   | 28 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-19   | B     |
| 115O02 | YC76045   | Toluamide   | 59 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76046   | Toluamide   | 60 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76047   | Toluamide   | 61 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76048   | Toluamide   | 62 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76049   | Toluamide   | 63 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O02 | YC76050   | Toluamide   | 64 Gordon G. Richards - 100%  | 7-Aug-08  | 15-Feb-21   | B     |
| 115O01 | YD12619   | Toluamide   | 83 Gordon G. Richards - 100%  | 24-Aug-09 | 15-Feb-19   | B     |
| 115O01 | YD12620   | Toluamide   | 84 Gordon G. Richards - 100%  | 24-Aug-09 | 15-Feb-19   | B     |
| 115O02 | YD12651   | Toluamide   | 115 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-19   | B     |
| 115J15 | YD12675   | Toluamide F | 139 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-17   | B     |
| 115J15 | YD12676   | Toluamide F | 140 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-17   | B     |
| 115J15 | YD12677   | Toluamide F | 141 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-17   | B     |
| 115J15 | YD12678   | Toluamide F | 142 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-17   | B     |
| 115J15 | YD12679   | Toluamide F | 143 Gordon G. Richards - 100% | 24-Aug-09 | 15-Feb-17   | B     |
| 115O02 | YD31534   | Toluamide F | 144 Gordon G. Richards - 100% | 1-Sep-10  | 15-Feb-17   | B     |
| 115O02 | YD31535   | Toluamide F | 145 Gordon G. Richards - 100% | 1-Sep-10  | 15-Feb-17   | B     |
| 115O02 | YD31544   | Toluamide F | 146 Gordon G. Richards - 100% | 1-Sep-10  | 15-Feb-17   | B     |

## **APPENDIX II**

### **ANALYTICAL CERTIFICATES**





1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Pacific Ridge Exploration Ltd.

1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5 Canada

Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: June 20, 2011

Report Date: July 04, 2011

Page: 1 of 11

## CERTIFICATE OF ANALYSIS

WHI11000260.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: IIMPS02  
P.O. Number  
Number of Samples: 285

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: John Brock  
Katie Dodd

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 285               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 285               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 285               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 285               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Pacific Ridge Exploration Ltd.**  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5 Canada

Project: None Given  
Report Date: July 04, 2011

Page: 2 of 11 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |     |    |      |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V   | Ca | P    |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | %  | %    |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1 | 2  | 0.01 |
| 11CB0001 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0002 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0003 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0004 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0005 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0006 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0007 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0008 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0009 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0010 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0011 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0012 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0013 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0014 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0015 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0016 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0017 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0018 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0019 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0020 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0021 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0022 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0023 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0024 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0025 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0026 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0027 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0028 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0029 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0030 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |



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**Client:** Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
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**Project:** None Given  
**Report Date:** July 04, 2011

**Page:** 2 of 11 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0001 | Soil                             | 9     | 30    | 0.74  | 199   | 0.128 | <1    | 2.13  | 0.009 | 0.09  | 0.1   | 0.01  | 4.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0002 | Soil                             | 10    | 34    | 0.72  | 180   | 0.115 | 1     | 2.50  | 0.009 | 0.08  | 0.2   | 0.03  | 4.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0003 | Soil                             | 10    | 36    | 0.84  | 257   | 0.122 | <1    | 2.40  | 0.009 | 0.11  | 0.2   | 0.01  | 5.0   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0004 | Soil                             | 16    | 37    | 0.88  | 301   | 0.154 | <1    | 2.66  | 0.009 | 0.15  | 0.2   | 0.01  | 5.3   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0005 | Soil                             | 11    | 30    | 0.45  | 204   | 0.127 | <1    | 2.03  | 0.008 | 0.13  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 9     | 0.7   | <0.2  |
| 11CB0006 | Soil                             | 10    | 35    | 0.93  | 202   | 0.170 | <1    | 2.34  | 0.008 | 0.22  | 0.1   | 0.01  | 4.8   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0007 | Soil                             | 11    | 34    | 0.79  | 265   | 0.127 | <1    | 2.41  | 0.010 | 0.12  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 9     | 0.6   | <0.2  |
| 11CB0008 | Soil                             | 14    | 41    | 0.77  | 359   | 0.102 | 1     | 2.41  | 0.010 | 0.08  | 0.1   | 0.02  | 4.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0009 | Soil                             | 13    | 33    | 0.85  | 261   | 0.124 | <1    | 1.93  | 0.010 | 0.23  | 0.2   | <0.01 | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0010 | Soil                             | 16    | 33    | 0.81  | 343   | 0.103 | 1     | 2.19  | 0.011 | 0.10  | 0.1   | 0.01  | 5.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0011 | Soil                             | 39    | 103   | 1.15  | 1564  | 0.068 | 2     | 2.31  | 0.015 | 0.09  | <0.1  | 0.02  | 8.5   | 0.2   | <0.05 | 7     | 1.1   | <0.2  |
| 11CB0012 | Soil                             | 88    | 527   | 7.17  | 2823  | 0.104 | 1     | 4.64  | 0.038 | 0.53  | <0.1  | 0.03  | 15.6  | 0.4   | <0.05 | 14    | 1.1   | <0.2  |
| 11CB0013 | Soil                             | 11    | 21    | 1.36  | 227   | 0.153 | <1    | 2.11  | 0.010 | 0.42  | 0.1   | <0.01 | 10.5  | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0014 | Soil                             | 8     | 33    | 1.16  | 191   | 0.144 | 2     | 2.44  | 0.016 | 0.18  | 0.1   | 0.03  | 6.2   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0015 | Soil                             | 12    | 43    | 0.95  | 243   | 0.120 | <1    | 2.45  | 0.010 | 0.14  | 0.1   | 0.01  | 6.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0016 | Soil                             | 9     | 38    | 0.61  | 196   | 0.091 | <1    | 2.05  | 0.021 | 0.10  | 0.2   | 0.03  | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0017 | Soil                             | 6     | 32    | 1.30  | 253   | 0.205 | <1    | 2.57  | 0.018 | 0.45  | <0.1  | <0.01 | 4.6   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0018 | Soil                             | 15    | 39    | 0.80  | 340   | 0.094 | 1     | 2.01  | 0.019 | 0.09  | 0.2   | 0.03  | 5.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0019 | Soil                             | 15    | 35    | 0.75  | 249   | 0.098 | <1    | 1.93  | 0.015 | 0.08  | 0.1   | 0.02  | 4.8   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0020 | Soil                             | 19    | 45    | 0.69  | 291   | 0.086 | 2     | 2.58  | 0.013 | 0.06  | 0.1   | 0.05  | 5.3   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0021 | Soil                             | 20    | 45    | 0.72  | 295   | 0.084 | 1     | 2.58  | 0.018 | 0.06  | 0.1   | 0.03  | 5.5   | <0.1  | <0.05 | 6     | <0.5  | 0.2   |
| 11CB0022 | Soil                             | 9     | 33    | 0.84  | 237   | 0.109 | <1    | 1.89  | 0.011 | 0.35  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0023 | Soil                             | 7     | 36    | 1.33  | 350   | 0.187 | <1    | 2.31  | 0.015 | 0.55  | 0.1   | <0.01 | 3.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0024 | Soil                             | 10    | 39    | 0.87  | 521   | 0.107 | <1    | 1.98  | 0.014 | 0.25  | 0.2   | 0.01  | 4.2   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11CB0025 | Soil                             | 20    | 35    | 0.69  | 636   | 0.044 | <1    | 2.08  | 0.012 | 0.16  | <0.1  | 0.01  | 5.1   | <0.1  | <0.05 | 6     | 1.0   | <0.2  |
| 11CB0026 | Soil                             | 13    | 37    | 0.59  | 812   | 0.051 | 2     | 2.18  | 0.009 | 0.18  | 0.1   | <0.01 | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0027 | Soil                             | 11    | 31    | 0.63  | 382   | 0.051 | <1    | 1.99  | 0.009 | 0.11  | 0.1   | <0.01 | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0028 | Soil                             | 15    | 32    | 0.50  | 360   | 0.067 | <1    | 1.86  | 0.016 | 0.10  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0029 | Soil                             | 10    | 31    | 0.73  | 244   | 0.128 | <1    | 2.34  | 0.010 | 0.22  | 0.1   | 0.02  | 4.5   | 0.1   | <0.05 | 8     | 0.8   | <0.2  |
| 11CB0030 | Soil                             | 10    | 26    | 0.58  | 267   | 0.120 | 1     | 1.91  | 0.010 | 0.21  | 0.1   | <0.01 | 3.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |



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Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11CB0031 | Soil                             | 1.2   | 16.5  | 9.3   | 53    | 0.2   | 14.5  | 13.2  | 754   | 3.08  | 7.0   | 0.4   | 1.8   | 2.7   | 17    | <0.1  | 0.5   | 0.2   | 71    | 0.17  | 0.022 |
| 11CB0032 | Soil                             | 1.8   | 27.7  | 8.9   | 84    | 0.1   | 15.0  | 13.4  | 1125  | 4.23  | 7.4   | 0.5   | 4.2   | 2.8   | 23    | <0.1  | 0.5   | 0.2   | 91    | 0.21  | 0.046 |
| 11CB0033 | Soil                             | 1.1   | 44.5  | 9.6   | 79    | <0.1  | 23.3  | 10.4  | 382   | 3.44  | 11.2  | 0.6   | 1.4   | 4.0   | 16    | 0.1   | 0.6   | 0.1   | 81    | 0.18  | 0.045 |
| 11CB0034 | Soil                             | 0.8   | 47.9  | 7.0   | 81    | <0.1  | 19.4  | 14.5  | 490   | 3.69  | 5.7   | 0.4   | 1.6   | 2.1   | 16    | <0.1  | 0.4   | <0.1  | 100   | 0.33  | 0.073 |
| 11CB0035 | Soil                             | 0.8   | 16.9  | 5.9   | 99    | <0.1  | 6.8   | 9.0   | 404   | 4.28  | 2.8   | 0.4   | 2.0   | 2.0   | 13    | <0.1  | 0.2   | <0.1  | 53    | 0.27  | 0.097 |
| 11CB0036 | Soil                             | 1.3   | 25.0  | 18.6  | 90    | <0.1  | 29.3  | 12.7  | 1010  | 4.30  | 5.0   | 0.7   | 21.2  | 3.7   | 24    | 0.2   | 0.4   | 0.2   | 68    | 0.27  | 0.092 |
| 11CB0037 | Soil                             | 1.0   | 29.6  | 13.4  | 75    | <0.1  | 29.3  | 10.5  | 398   | 3.22  | 11.5  | 0.9   | 3.8   | 5.4   | 16    | <0.1  | 0.7   | 0.2   | 73    | 0.13  | 0.028 |
| 11CB0038 | Soil                             | 0.8   | 31.6  | 22.9  | 84    | <0.1  | 54.4  | 16.5  | 557   | 3.58  | 9.2   | 1.6   | 1.3   | 8.7   | 40    | 0.1   | 0.5   | 0.3   | 87    | 0.34  | 0.091 |
| 11CB0039 | Soil                             | 0.7   | 47.5  | 7.7   | 55    | <0.1  | 27.4  | 12.0  | 345   | 2.78  | 4.6   | 0.2   | <0.5  | 1.1   | 17    | 0.2   | 0.2   | <0.1  | 71    | 0.34  | 0.063 |
| 11CB0040 | Soil                             | 1.0   | 29.1  | 12.7  | 71    | <0.1  | 19.4  | 10.8  | 379   | 3.18  | 8.3   | 0.5   | 2.5   | 2.5   | 18    | 0.2   | 0.5   | 0.2   | 76    | 0.24  | 0.068 |
| 11CB0041 | Soil                             | 1.3   | 20.2  | 10.5  | 88    | 0.1   | 16.6  | 15.4  | 626   | 3.65  | 5.4   | 0.6   | 1.7   | 2.9   | 19    | 0.1   | 0.2   | 0.2   | 83    | 0.36  | 0.109 |
| 11CB0042 | Soil                             | 1.0   | 35.2  | 8.6   | 71    | <0.1  | 30.4  | 16.4  | 447   | 4.17  | 10.0  | 0.5   | 2.5   | 2.8   | 20    | <0.1  | 0.4   | 0.2   | 109   | 0.28  | 0.073 |
| 11CB0043 | Soil                             | 1.0   | 32.8  | 8.8   | 70    | <0.1  | 31.7  | 15.6  | 411   | 4.03  | 10.2  | 0.4   | 2.2   | 2.6   | 19    | <0.1  | 0.4   | 0.2   | 100   | 0.26  | 0.063 |
| 11CB0044 | Soil                             | 1.0   | 32.3  | 8.4   | 68    | <0.1  | 29.2  | 15.2  | 412   | 3.86  | 9.3   | 0.5   | 1.7   | 2.6   | 20    | <0.1  | 0.4   | 0.2   | 102   | 0.27  | 0.067 |
| 11CB0045 | Soil                             | 1.4   | 29.6  | 10.1  | 60    | 0.2   | 25.6  | 12.6  | 356   | 3.49  | 9.3   | 0.6   | 2.7   | 3.0   | 29    | <0.1  | 0.4   | 0.3   | 93    | 0.37  | 0.047 |
| 11CB0046 | Soil                             | 1.4   | 55.5  | 10.2  | 91    | 0.2   | 161.4 | 30.7  | 964   | 5.27  | 8.3   | 1.5   | 3.6   | 9.3   | 134   | 0.2   | 0.4   | 0.2   | 118   | 1.34  | 0.406 |
| 11CB0047 | Soil                             | 1.8   | 20.5  | 10.9  | 70    | 0.2   | 28.9  | 12.0  | 496   | 3.61  | 8.3   | 0.7   | 3.6   | 4.5   | 19    | <0.1  | 0.4   | 0.2   | 75    | 0.24  | 0.057 |
| 11CB0048 | Soil                             | 2.0   | 16.7  | 10.3  | 92    | <0.1  | 20.5  | 11.7  | 619   | 5.24  | 9.6   | 0.4   | 2.9   | 2.7   | 19    | 0.2   | 0.4   | 0.2   | 116   | 0.20  | 0.079 |
| 11CB0049 | Soil                             | 1.4   | 15.2  | 7.8   | 81    | <0.1  | 15.9  | 11.1  | 558   | 3.60  | 6.1   | 0.5   | 2.3   | 3.9   | 15    | <0.1  | 0.4   | 0.2   | 76    | 0.19  | 0.051 |
| 11CB0050 | Soil                             | 1.3   | 17.3  | 9.6   | 73    | 0.1   | 18.0  | 10.4  | 632   | 3.36  | 6.6   | 0.6   | 6.2   | 2.9   | 22    | <0.1  | 0.3   | 0.2   | 75    | 0.25  | 0.055 |
| 11CB0051 | Soil                             | 1.4   | 26.9  | 11.0  | 81    | <0.1  | 23.2  | 11.9  | 515   | 4.05  | 9.6   | 0.8   | 15.0  | 5.5   | 19    | <0.1  | 0.5   | 0.2   | 88    | 0.19  | 0.037 |
| 11CB0052 | Soil                             | 1.7   | 14.3  | 10.2  | 84    | 0.2   | 11.8  | 10.4  | 1169  | 3.69  | 6.3   | 0.3   | 15.6  | 2.2   | 13    | 0.2   | 0.4   | 0.2   | 85    | 0.12  | 0.078 |
| 11CB0053 | Soil                             | 1.6   | 18.5  | 11.0  | 75    | 0.2   | 16.1  | 9.2   | 521   | 3.68  | 9.3   | 0.6   | 5.0   | 3.2   | 17    | 0.1   | 0.4   | 0.2   | 87    | 0.17  | 0.056 |
| 11CB0054 | Soil                             | 1.6   | 18.5  | 9.4   | 84    | <0.1  | 19.2  | 10.9  | 454   | 3.68  | 7.4   | 0.6   | 27.2  | 4.2   | 20    | 0.1   | 0.4   | 0.2   | 77    | 0.28  | 0.057 |
| 11CB0055 | Soil                             | 1.7   | 31.5  | 13.4  | 87    | 0.1   | 23.2  | 12.9  | 543   | 3.98  | 8.6   | 1.2   | 8.9   | 5.2   | 26    | 0.2   | 0.5   | 0.2   | 86    | 0.29  | 0.037 |
| 11CB0056 | Soil                             | 1.6   | 21.7  | 10.9  | 79    | 0.1   | 19.0  | 11.7  | 442   | 4.33  | 9.8   | 0.7   | 5.4   | 4.8   | 21    | 0.1   | 0.5   | 0.2   | 98    | 0.23  | 0.033 |
| 11CB0057 | Soil                             | 1.5   | 23.5  | 10.0  | 80    | <0.1  | 21.1  | 12.3  | 472   | 4.20  | 8.5   | 0.7   | 2.7   | 4.4   | 20    | 0.1   | 0.5   | 0.2   | 95    | 0.22  | 0.035 |
| 11CB0058 | Soil                             | 1.2   | 22.9  | 7.6   | 86    | <0.1  | 17.4  | 12.2  | 559   | 3.75  | 6.1   | 0.8   | 4.3   | 5.2   | 20    | <0.1  | 0.3   | 0.2   | 78    | 0.25  | 0.040 |
| 11CB0059 | Soil                             | 1.2   | 25.2  | 9.0   | 83    | <0.1  | 15.9  | 10.7  | 524   | 3.57  | 6.0   | 0.8   | 5.3   | 3.2   | 17    | 0.2   | 0.3   | 0.2   | 80    | 0.23  | 0.047 |
| 11CB0060 | Soil                             | 1.4   | 26.8  | 29.6  | 75    | <0.1  | 21.6  | 12.4  | 454   | 3.62  | 8.9   | 1.0   | 8.3   | 4.7   | 24    | 1.2   | 0.4   | 0.2   | 84    | 0.28  | 0.038 |



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Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0031 | Soil                             | 9     | 30    | 0.48  | 356   | 0.091 | <1    | 1.71  | 0.010 | 0.14  | 0.1   | 0.01  | 2.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0032 | Soil                             | 9     | 28    | 0.76  | 490   | 0.142 | <1    | 2.26  | 0.010 | 0.28  | 0.2   | 0.02  | 5.1   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11CB0033 | Soil                             | 11    | 39    | 0.88  | 301   | 0.132 | 1     | 2.33  | 0.014 | 0.23  | 0.2   | 0.02  | 5.0   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| 11CB0034 | Soil                             | 6     | 35    | 1.11  | 287   | 0.141 | <1    | 2.38  | 0.021 | 0.40  | <0.1  | 0.02  | 5.6   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11CB0035 | Soil                             | 6     | 13    | 1.12  | 238   | 0.116 | <1    | 2.16  | 0.009 | 0.17  | <0.1  | <0.01 | 8.8   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0036 | Soil                             | 12    | 62    | 0.71  | 388   | 0.085 | <1    | 1.91  | 0.013 | 0.16  | 0.1   | 0.02  | 6.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0037 | Soil                             | 11    | 45    | 0.67  | 255   | 0.086 | <1    | 2.22  | 0.010 | 0.06  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0038 | Soil                             | 19    | 104   | 1.45  | 363   | 0.176 | <1    | 2.36  | 0.012 | 0.09  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 9     | 0.5   | <0.2  |
| 11CB0039 | Soil                             | 3     | 58    | 0.96  | 199   | 0.067 | <1    | 2.08  | 0.020 | 0.05  | <0.1  | 0.01  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0040 | Soil                             | 10    | 31    | 0.64  | 318   | 0.094 | <1    | 1.98  | 0.011 | 0.07  | 0.1   | 0.03  | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0041 | Soil                             | 15    | 32    | 1.11  | 281   | 0.172 | <1    | 2.15  | 0.011 | 0.31  | 0.1   | 0.02  | 5.8   | 0.1   | 0.05  | 10    | <0.5  | <0.2  |
| 11CB0042 | Soil                             | 9     | 56    | 1.17  | 244   | 0.166 | <1    | 2.64  | 0.013 | 0.20  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0043 | Soil                             | 8     | 55    | 1.12  | 229   | 0.155 | 1     | 2.50  | 0.012 | 0.13  | 0.1   | 0.02  | 4.3   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0044 | Soil                             | 8     | 53    | 1.14  | 245   | 0.162 | <1    | 2.46  | 0.012 | 0.17  | <0.1  | 0.03  | 4.3   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11CB0045 | Soil                             | 10    | 53    | 0.93  | 333   | 0.116 | 1     | 2.17  | 0.011 | 0.08  | 0.1   | 0.03  | 4.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0046 | Soil                             | 46    | 200   | 2.20  | 1335  | 0.212 | 2     | 2.78  | 0.017 | 0.11  | <0.1  | 0.04  | 11.4  | 0.2   | <0.05 | 9     | 0.6   | <0.2  |
| 11CB0047 | Soil                             | 16    | 51    | 0.66  | 476   | 0.071 | 1     | 2.34  | 0.009 | 0.10  | 0.1   | 0.02  | 5.1   | 0.1   | 0.05  | 7     | 0.5   | <0.2  |
| 11CB0048 | Soil                             | 10    | 41    | 0.87  | 273   | 0.135 | <1    | 2.44  | 0.008 | 0.13  | 0.1   | 0.02  | 5.8   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0049 | Soil                             | 14    | 31    | 0.78  | 255   | 0.150 | 1     | 2.12  | 0.014 | 0.20  | 0.1   | 0.02  | 5.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0050 | Soil                             | 16    | 36    | 0.68  | 374   | 0.128 | 1     | 1.97  | 0.012 | 0.15  | 0.1   | 0.02  | 4.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0051 | Soil                             | 16    | 42    | 0.80  | 286   | 0.129 | 1     | 2.66  | 0.011 | 0.10  | 0.1   | 0.03  | 6.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0052 | Soil                             | 9     | 28    | 0.52  | 203   | 0.131 | <1    | 1.69  | 0.010 | 0.15  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0053 | Soil                             | 13    | 34    | 0.63  | 210   | 0.118 | <1    | 2.17  | 0.009 | 0.11  | 0.1   | 0.03  | 4.3   | 0.1   | <0.05 | 9     | 0.6   | <0.2  |
| 11CB0054 | Soil                             | 16    | 32    | 0.79  | 279   | 0.139 | 1     | 2.37  | 0.010 | 0.14  | 0.1   | 0.03  | 5.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0055 | Soil                             | 21    | 41    | 0.89  | 359   | 0.155 | 2     | 2.77  | 0.013 | 0.14  | 0.1   | 0.03  | 7.6   | 0.2   | <0.05 | 9     | 0.7   | <0.2  |
| 11CB0056 | Soil                             | 16    | 35    | 0.91  | 316   | 0.160 | <1    | 2.88  | 0.011 | 0.12  | 0.1   | 0.02  | 6.1   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0057 | Soil                             | 16    | 37    | 0.89  | 289   | 0.175 | 1     | 3.00  | 0.011 | 0.14  | 0.1   | 0.03  | 5.2   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0058 | Soil                             | 22    | 29    | 0.96  | 267   | 0.188 | <1    | 2.35  | 0.011 | 0.23  | 0.2   | 0.02  | 6.3   | 0.2   | <0.05 | 8     | 0.5   | <0.2  |
| 11CB0059 | Soil                             | 16    | 31    | 0.82  | 209   | 0.162 | <1    | 2.14  | 0.010 | 0.18  | 0.1   | 0.02  | 5.3   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0060 | Soil                             | 16    | 37    | 0.85  | 253   | 0.179 | 2     | 2.57  | 0.018 | 0.12  | 0.1   | 0.02  | 5.6   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |





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Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11CB0061 | Soil                             | 1.3        | 23.3       | 9.8        | 76       | <0.1       | 15.8       | 10.9       | 484      | 3.14      | 5.4        | 0.8        | 1.7        | 4.7        | 19       | 0.2        | 0.3        | 0.2        | 72       | 0.28      |
| 11CB0062 | Soil                             | 1.5        | 20.3       | 10.9       | 59       | <0.1       | 20.8       | 10.3       | 425      | 3.26      | 6.4        | 1.0        | 1.7        | 4.3        | 26       | <0.1       | 0.4        | 0.2        | 63       | 0.46      |
| 11CB0063 | Soil                             | 1.4        | 28.0       | 9.9        | 96       | <0.1       | 19.8       | 12.3       | 660      | 3.86      | 7.9        | 0.9        | 8.2        | 5.6        | 31       | 0.1        | 0.5        | 0.2        | 73       | 0.47      |
| 11CB0064 | Soil                             | 3.0        | 24.1       | 11.6       | 76       | 0.1        | 16.0       | 10.9       | 745      | 3.77      | 5.8        | 1.1        | 8.2        | 5.6        | 30       | 0.3        | 0.2        | 0.1        | 54       | 0.48      |
| 11CB0065 | Soil                             | 1.5        | 30.7       | 10.4       | 69       | 0.2        | 30.4       | 14.0       | 1089     | 3.67      | 6.2        | 0.7        | 7.3        | 3.3        | 29       | 0.1        | 0.4        | 0.2        | 89       | 0.31      |
| 11CB0066 | Soil                             | 0.9        | 20.6       | 7.7        | 56       | 0.1        | 12.9       | 8.3        | 328      | 2.95      | 4.4        | 0.3        | 2.9        | 2.0        | 16       | 0.2        | 0.3        | 0.1        | 82       | 0.22      |
| 11CB0067 | Soil                             | 0.9        | 30.3       | 8.1        | 75       | <0.1       | 34.8       | 14.6       | 434      | 3.51      | 7.8        | 0.4        | <0.5       | 2.1        | 26       | <0.1       | 0.4        | 0.1        | 100      | 0.40      |
| 11CB0068 | Soil                             | 0.4        | 49.0       | 6.8        | 87       | <0.1       | 45.8       | 23.0       | 518      | 3.81      | 3.1        | 0.2        | 2.0        | 0.9        | 21       | <0.1       | 0.1        | <0.1       | 114      | 0.60      |
| 11CB0069 | Soil                             | 0.4        | 43.9       | 15.3       | 102      | <0.1       | 24.1       | 15.5       | 407      | 4.61      | 4.2        | 0.7        | <0.5       | 3.7        | 26       | 0.1        | 0.2        | <0.1       | 116      | 0.52      |
| 11CB0070 | Soil                             | 0.9        | 27.0       | 6.9        | 88       | <0.1       | 19.1       | 16.5       | 810      | 4.53      | 6.9        | 0.3        | <0.5       | 2.0        | 22       | 0.1        | 0.4        | <0.1       | 114      | 0.30      |
| 11CB0071 | Soil                             | 2.1        | 24.0       | 11.7       | 97       | 0.2        | 13.6       | 10.4       | 553      | 4.65      | 8.2        | 0.4        | <0.5       | 2.0        | 13       | <0.1       | 0.4        | 0.2        | 95       | 0.14      |
| 11CB0072 | Soil                             | 1.5        | 19.0       | 9.1        | 68       | 0.2        | 21.5       | 9.0        | 536      | 3.93      | 7.9        | 0.4        | <0.5       | 3.2        | 14       | <0.1       | 0.4        | 0.2        | 83       | 0.15      |
| 11CB0073 | Soil                             | 1.0        | 21.9       | 9.5        | 56       | 0.1        | 29.1       | 12.0       | 336      | 3.42      | 9.9        | 0.7        | 2.3        | 3.7        | 17       | <0.1       | 0.5        | 0.2        | 65       | 0.18      |
| 11CB0074 | Soil                             | 1.6        | 13.0       | 9.9        | 73       | <0.1       | 17.1       | 10.6       | 390      | 4.11      | 9.2        | 0.5        | 1.3        | 2.5        | 10       | <0.1       | 0.6        | 0.2        | 84       | 0.10      |
| 11CB0075 | Soil                             | 1.1        | 15.6       | 8.7        | 78       | <0.1       | 19.4       | 11.2       | 398      | 3.90      | 8.6        | 0.4        | 0.8        | 2.8        | 12       | <0.1       | 0.5        | 0.2        | 89       | 0.11      |
| 11CB0076 | Soil                             | 0.9        | 17.4       | 9.0        | 55       | <0.1       | 20.0       | 8.3        | 272      | 2.90      | 9.2        | 0.5        | 1.9        | 2.3        | 16       | <0.1       | 0.4        | 0.2        | 70       | 0.17      |
| 11NG0001 | Soil                             | 1.8        | 14.8       | 15.6       | 77       | <0.1       | 19.6       | 7.6        | 357      | 2.69      | 16.7       | 0.6        | <0.5       | 4.2        | 11       | <0.1       | 0.3        | 0.2        | 34       | 0.18      |
| 11NG0002 | Soil                             | 1.1        | 12.4       | 11.1       | 66       | <0.1       | 8.9        | 8.5        | 308      | 2.96      | 4.3        | 0.5        | <0.5       | 6.4        | 14       | <0.1       | 0.2        | <0.1       | 34       | 0.25      |
| 11NG0003 | Soil                             | 1.5        | 18.0       | 13.7       | 56       | <0.1       | 22.6       | 12.0       | 431      | 2.85      | 6.8        | 0.4        | <0.5       | 2.6        | 22       | <0.1       | 0.5        | 0.1        | 56       | 0.30      |
| 11NG0004 | Soil                             | 0.7        | 16.0       | 14.0       | 126      | <0.1       | 16.0       | 14.2       | 785      | 4.29      | 2.9        | 0.4        | 3.6        | 4.1        | 20       | <0.1       | 0.2        | <0.1       | 50       | 0.44      |
| 11NG0005 | Soil                             | 0.8        | 16.0       | 12.9       | 49       | <0.1       | 15.7       | 9.0        | 552      | 2.55      | 2.8        | 0.4        | 0.8        | 2.0        | 17       | <0.1       | 0.2        | <0.1       | 33       | 0.20      |
| 11NG0006 | Soil                             | 0.6        | 12.6       | 4.1        | 111      | <0.1       | 11.6       | 22.0       | 1153     | 5.45      | 3.4        | 0.4        | 2.9        | 1.8        | 17       | <0.1       | 0.2        | <0.1       | 124      | 0.39      |
| 11NG0007 | Soil                             | 0.6        | 18.3       | 6.7        | 108      | <0.1       | 14.9       | 16.8       | 603      | 4.50      | 4.3        | 0.4        | <0.5       | 3.5        | 14       | <0.1       | 0.4        | <0.1       | 91       | 0.24      |
| 11NG0008 | Soil                             | 0.6        | 24.7       | 4.4        | 105      | <0.1       | 14.8       | 19.4       | 584      | 4.47      | 4.5        | 0.5        | <0.5       | 4.0        | 13       | <0.1       | 0.2        | 0.1        | 80       | 0.19      |
| 11NG0009 | Soil                             | 0.5        | 12.3       | 3.2        | 93       | <0.1       | 10.6       | 20.2       | 645      | 4.10      | 3.6        | 0.3        | <0.5       | 2.0        | 12       | <0.1       | 0.2        | <0.1       | 90       | 0.18      |
| 11NG0010 | Soil                             | 1.0        | 18.3       | 6.0        | 73       | <0.1       | 13.5       | 8.2        | 586      | 3.54      | 5.3        | 0.6        | 1.2        | 4.3        | 12       | 0.1        | 0.3        | 0.1        | 57       | 0.14      |
| 11NG0011 | Soil                             | 0.8        | 11.4       | 7.1        | 79       | <0.1       | 15.5       | 12.4       | 1173     | 3.86      | 5.8        | 0.4        | 0.5        | 2.9        | 13       | <0.1       | 0.4        | <0.1       | 81       | 0.16      |
| 11NG0012 | Soil                             | 0.4        | 13.0       | 3.0        | 81       | <0.1       | 9.8        | 15.0       | 794      | 3.88      | 3.3        | 0.3        | <0.5       | 5.3        | 11       | <0.1       | 0.2        | <0.1       | 98       | 0.16      |
| 11NG0013 | Soil                             | 1.5        | 16.9       | 10.4       | 57       | <0.1       | 20.4       | 9.7        | 373      | 3.52      | 9.4        | 0.7        | 2.5        | 3.7        | 15       | <0.1       | 0.6        | 0.2        | 69       | 0.15      |
| 11NG0014 | Soil                             | 1.1        | 21.5       | 11.4       | 53       | <0.1       | 25.4       | 9.2        | 506      | 3.19      | 8.9        | 0.7        | 2.9        | 2.6        | 15       | <0.1       | 0.5        | 0.2        | 70       | 0.18      |



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**Project:** None Given  
**Report Date:** July 04, 2011

**Page:** 4 of 11 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0061 | Soil                             | 16    | 27    | 0.82  | 270   | 0.177 | 1     | 2.04  | 0.012 | 0.25  | 0.1   | 0.02  | 5.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0062 | Soil                             | 24    | 36    | 0.57  | 760   | 0.077 | <1    | 1.73  | 0.013 | 0.17  | <0.1  | 0.03  | 5.5   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0063 | Soil                             | 21    | 34    | 0.91  | 462   | 0.113 | 1     | 2.07  | 0.011 | 0.27  | 0.1   | 0.02  | 6.2   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0064 | Soil                             | 18    | 27    | 0.78  | 547   | 0.025 | <1    | 1.93  | 0.009 | 0.17  | <0.1  | 0.02  | 5.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0065 | Soil                             | 17    | 49    | 0.78  | 552   | 0.086 | 1     | 1.92  | 0.014 | 0.13  | <0.1  | 0.03  | 8.5   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0066 | Soil                             | 7     | 24    | 0.76  | 210   | 0.185 | <1    | 1.39  | 0.013 | 0.28  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0067 | Soil                             | 7     | 71    | 1.39  | 414   | 0.208 | 2     | 2.22  | 0.014 | 0.34  | 0.1   | 0.02  | 3.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0068 | Soil                             | 4     | 127   | 2.42  | 511   | 0.301 | <1    | 2.90  | 0.026 | 1.13  | <0.1  | 0.01  | 4.5   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0069 | Soil                             | 10    | 52    | 1.74  | 494   | 0.259 | 1     | 2.90  | 0.023 | 1.04  | <0.1  | <0.01 | 10.7  | 0.3   | <0.05 | 12    | <0.5  | <0.2  |
| 11CB0070 | Soil                             | 6     | 35    | 1.30  | 310   | 0.258 | 1     | 2.85  | 0.014 | 0.60  | 0.1   | 0.02  | 4.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0071 | Soil                             | 7     | 28    | 0.85  | 269   | 0.151 | <1    | 2.37  | 0.012 | 0.30  | <0.1  | 0.02  | 5.0   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0072 | Soil                             | 8     | 39    | 0.90  | 250   | 0.152 | <1    | 2.32  | 0.007 | 0.26  | 0.1   | 0.02  | 5.3   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0073 | Soil                             | 11    | 39    | 0.64  | 420   | 0.070 | <1    | 2.37  | 0.011 | 0.06  | 0.2   | 0.02  | 3.6   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11CB0074 | Soil                             | 8     | 33    | 0.71  | 179   | 0.068 | <1    | 2.29  | 0.007 | 0.11  | 0.2   | 0.02  | 5.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0075 | Soil                             | 9     | 34    | 1.10  | 201   | 0.129 | <1    | 2.69  | 0.009 | 0.16  | 0.1   | 0.02  | 5.4   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0076 | Soil                             | 10    | 29    | 0.63  | 186   | 0.103 | <1    | 1.88  | 0.009 | 0.09  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 8     | 0.6   | <0.2  |
| 11NG0001 | Soil                             | 13    | 22    | 0.89  | 166   | 0.021 | <1    | 1.75  | 0.007 | 0.14  | <0.1  | <0.01 | 2.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0002 | Soil                             | 20    | 12    | 1.51  | 213   | 0.014 | <1    | 2.20  | 0.007 | 0.11  | <0.1  | <0.01 | 2.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0003 | Soil                             | 10    | 32    | 0.71  | 438   | 0.050 | <1    | 1.75  | 0.014 | 0.15  | <0.1  | 0.01  | 4.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0004 | Soil                             | 19    | 26    | 1.57  | 566   | 0.007 | <1    | 2.52  | 0.008 | 0.10  | <0.1  | <0.01 | 5.8   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0005 | Soil                             | 9     | 18    | 0.37  | 691   | 0.007 | 1     | 1.33  | 0.008 | 0.15  | <0.1  | 0.01  | 2.6   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0006 | Soil                             | 10    | 14    | 1.92  | 376   | 0.137 | <1    | 2.93  | 0.015 | 0.38  | <0.1  | <0.01 | 12.8  | 0.1   | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0007 | Soil                             | 9     | 27    | 1.81  | 267   | 0.177 | <1    | 3.00  | 0.012 | 0.21  | 0.1   | <0.01 | 6.6   | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0008 | Soil                             | 11    | 26    | 1.77  | 242   | 0.118 | <1    | 2.63  | 0.010 | 0.49  | <0.1  | <0.01 | 8.5   | 0.2   | <0.05 | 11    | 0.7   | <0.2  |
| 11NG0009 | Soil                             | 7     | 19    | 1.89  | 233   | 0.139 | <1    | 2.56  | 0.008 | 0.41  | <0.1  | 0.01  | 13.1  | 0.2   | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0010 | Soil                             | 12    | 19    | 0.60  | 210   | 0.051 | <1    | 1.91  | 0.007 | 0.15  | <0.1  | 0.01  | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0011 | Soil                             | 7     | 26    | 1.01  | 313   | 0.206 | <1    | 2.40  | 0.009 | 0.49  | 0.2   | 0.01  | 7.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0012 | Soil                             | 18    | 17    | 1.50  | 250   | 0.257 | <1    | 2.38  | 0.009 | 0.96  | 0.1   | <0.01 | 10.8  | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0013 | Soil                             | 13    | 38    | 0.60  | 264   | 0.095 | <1    | 2.18  | 0.009 | 0.09  | 0.1   | 0.03  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0014 | Soil                             | 11    | 42    | 0.64  | 308   | 0.077 | <1    | 2.17  | 0.009 | 0.08  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |



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Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11NG0015 | Soil                             | 1.1        | 18.0       | 10.1       | 58       | <0.1       | 21.4       | 9.1        | 364      | 3.69      | 9.2        | 0.6        | 2.6        | 3.2        | 15       | 0.1        | 0.5        | 0.2        | 79       | 0.17      | 0.043      |
| 11NG0016 | Soil                             | 0.9        | 32.2       | 8.3        | 65       | <0.1       | 25.3       | 10.9       | 369      | 3.17      | 8.6        | 0.7        | 5.8        | 3.9        | 18       | <0.1       | 0.5        | 0.1        | 65       | 0.21      | 0.031      |
| 11NG0017 | Soil                             | 1.0        | 17.7       | 10.8       | 76       | <0.1       | 18.4       | 10.9       | 559      | 4.14      | 8.2        | 0.6        | 2.4        | 3.4        | 16       | 0.1        | 0.5        | 0.2        | 77       | 0.19      | 0.054      |
| 11NG0018 | Soil                             | 1.3        | 53.1       | 7.0        | 99       | <0.1       | 21.8       | 15.3       | 800      | 4.30      | 5.7        | 0.5        | 2.3        | 2.6        | 16       | <0.1       | 0.4        | 0.2        | 84       | 0.30      | 0.086      |
| 11NG0019 | Soil                             | 0.7        | 28.3       | 11.8       | 64       | 0.1        | 22.0       | 9.6        | 312      | 2.79      | 6.8        | 0.8        | 6.1        | 3.1        | 27       | <0.1       | 0.5        | 0.2        | 61       | 0.34      | 0.072      |
| 11NG0020 | Soil                             | 1.2        | 22.3       | 9.1        | 73       | <0.1       | 14.0       | 9.5        | 376      | 2.91      | 4.9        | 0.4        | 8.2        | 1.5        | 13       | 0.1        | 0.3        | 0.1        | 72       | 0.20      | 0.043      |
| 11NG0021 | Soil                             | 1.2        | 20.2       | 9.8        | 69       | <0.1       | 12.8       | 9.1        | 366      | 2.84      | 4.6        | 0.3        | 1.6        | 1.7        | 12       | 0.1        | 0.3        | 0.1        | 71       | 0.19      | 0.043      |
| 11NG0022 | Soil                             | 1.2        | 23.1       | 9.2        | 73       | <0.1       | 29.0       | 11.7       | 477      | 3.55      | 7.0        | 1.0        | 2.4        | 4.7        | 21       | <0.1       | 0.4        | 0.2        | 76       | 0.31      | 0.041      |
| 11NG0023 | Soil                             | 1.0        | 18.8       | 9.6        | 67       | <0.1       | 18.4       | 9.9        | 374      | 3.33      | 7.0        | 0.9        | 5.8        | 4.3        | 19       | <0.1       | 0.4        | 0.2        | 71       | 0.23      | 0.021      |
| 11NG0024 | Soil                             | 1.0        | 16.5       | 7.2        | 78       | <0.1       | 15.5       | 11.5       | 495      | 3.40      | 5.9        | 0.6        | 77.3       | 4.4        | 14       | <0.1       | 0.3        | 0.1        | 75       | 0.20      | 0.035      |
| 11NG0025 | Soil                             | 0.7        | 16.5       | 6.4        | 84       | <0.1       | 15.3       | 12.7       | 544      | 3.31      | 4.8        | 0.6        | 3.7        | 4.5        | 16       | <0.1       | 0.3        | 0.1        | 71       | 0.25      | 0.038      |
| 11NG0026 | Soil                             | 0.8        | 19.0       | 5.7        | 116      | <0.1       | 15.9       | 18.3       | 853      | 4.75      | 5.9        | 0.4        | <0.5       | 3.0        | 20       | <0.1       | 0.3        | <0.1       | 104      | 0.31      | 0.050      |
| 11NG0027 | Soil                             | 0.5        | 15.6       | 5.5        | 98       | <0.1       | 12.0       | 15.7       | 472      | 4.29      | 5.2        | 0.3        | 2.3        | 2.3        | 11       | <0.1       | 0.3        | <0.1       | 98       | 0.19      | 0.046      |
| 11NG0028 | Soil                             | 0.4        | 18.6       | 5.0        | 99       | <0.1       | 3.7        | 11.4       | 794      | 4.13      | 2.2        | 0.2        | <0.5       | 0.8        | 29       | <0.1       | <0.1       | <0.1       | 47       | 0.49      | 0.118      |
| 11NG0029 | Soil                             | 2.4        | 37.9       | 6.7        | 114      | <0.1       | 10.1       | 15.8       | 770      | 4.69      | 8.2        | 0.6        | <0.5       | 3.4        | 20       | 0.1        | 0.2        | <0.1       | 90       | 0.29      | 0.077      |
| 11NG0030 | Soil                             | 2.0        | 12.2       | 13.5       | 69       | <0.1       | 12.6       | 6.0        | 563      | 2.25      | 9.1        | 0.5        | <0.5       | 3.9        | 21       | 0.1        | 0.3        | 0.2        | 29       | 0.48      | 0.044      |
| 11NG0031 | Soil                             | 0.8        | 8.6        | 6.8        | 77       | <0.1       | 20.1       | 17.8       | 502      | 3.47      | 3.2        | 0.3        | <0.5       | 1.9        | 25       | 0.1        | 0.3        | 0.1        | 74       | 0.46      | 0.045      |
| 11NG0032 | Soil                             | 0.6        | 17.3       | 10.4       | 81       | <0.1       | 12.2       | 10.0       | 412      | 2.70      | 3.9        | 0.5        | 2.9        | 2.8        | 16       | <0.1       | 0.2        | <0.1       | 37       | 0.25      | 0.048      |
| 11NG0033 | Soil                             | 0.8        | 16.9       | 10.9       | 91       | <0.1       | 11.5       | 13.4       | 743      | 3.89      | 3.6        | 0.6        | 5.0        | 3.5        | 15       | 0.1        | 0.3        | 0.1        | 52       | 0.19      | 0.055      |
| 11NG0034 | Soil                             | 1.5        | 17.0       | 7.1        | 54       | <0.1       | 16.2       | 7.7        | 512      | 2.93      | 5.5        | 0.6        | <0.5       | 4.6        | 18       | 0.1        | 0.4        | 0.1        | 50       | 0.16      | 0.024      |
| 11NG0035 | Soil                             | 0.9        | 23.3       | 8.8        | 57       | <0.1       | 26.4       | 10.5       | 288      | 3.09      | 10.5       | 0.6        | 1.6        | 4.5        | 18       | <0.1       | 0.7        | 0.2        | 67       | 0.15      | 0.015      |
| 11NG0036 | Soil                             | 1.4        | 13.1       | 7.1        | 71       | <0.1       | 16.1       | 10.0       | 628      | 3.32      | 7.4        | 0.5        | 4.0        | 3.0        | 20       | 0.2        | 0.4        | 0.2        | 65       | 0.23      | 0.039      |
| 11NG0037 | Soil                             | 1.2        | 25.0       | 6.5        | 137      | <0.1       | 12.6       | 10.2       | 1345     | 3.29      | 6.0        | 0.4        | 3.1        | 2.9        | 39       | 0.2        | 0.7        | 0.2        | 63       | 0.59      | 0.095      |
| 11NG0038 | Soil                             | 2.2        | 70.1       | 4.7        | 98       | <0.1       | 6.7        | 7.0        | 671      | 4.72      | 5.2        | 1.1        | 1.1        | 2.5        | 35       | 0.2        | 1.0        | 0.1        | 46       | 0.10      | 0.049      |
| 11NG0039 | Soil                             | 1.4        | 64.6       | 21.1       | 115      | <0.1       | 20.6       | 13.2       | 819      | 4.31      | 7.0        | 0.6        | 2.1        | 5.6        | 20       | 0.1        | 0.4        | 0.3        | 87       | 0.25      | 0.032      |
| 11NG0040 | Soil                             | 0.7        | 35.6       | 10.1       | 71       | <0.1       | 53.2       | 14.0       | 463      | 3.35      | 7.0        | 1.6        | 10.2       | 6.1        | 53       | <0.1       | 0.4        | 0.2        | 78       | 0.51      | 0.108      |
| 11NG0041 | Soil                             | 0.7        | 36.6       | 9.9        | 72       | <0.1       | 59.1       | 14.7       | 498      | 3.47      | 6.9        | 1.6        | 48.3       | 6.9        | 63       | <0.1       | 0.5        | 0.2        | 82       | 0.60      | 0.129      |
| 11NG0042 | Soil                             | 0.7        | 41.7       | 7.7        | 133      | <0.1       | 21.6       | 15.7       | 708      | 4.65      | 5.8        | 0.5        | <0.5       | 3.0        | 18       | <0.1       | 0.4        | 0.1        | 113      | 0.28      | 0.054      |
| 11NG0043 | Soil                             | 0.9        | 67.9       | 20.9       | 85       | <0.1       | 45.7       | 18.2       | 814      | 4.47      | 6.0        | 1.1        | 3.2        | 8.3        | 30       | 0.1        | 0.5        | 0.4        | 90       | 0.26      | 0.085      |
| 11NG0044 | Soil                             | 0.6        | 32.4       | 8.5        | 134      | <0.1       | 68.3       | 30.5       | 1386     | 6.12      | 3.6        | 0.8        | 1.3        | 3.9        | 68       | 0.2        | 0.3        | 0.1        | 146      | 0.94      | 0.241      |



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Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0015 | Soil                             | 12    | 37    | 0.67  | 268   | 0.111 | <1    | 2.22  | 0.008 | 0.13  | 0.1   | 0.02  | 3.9   | <0.1  | 0.06  | 8     | <0.5  | <0.2  |
| 11NG0016 | Soil                             | 12    | 33    | 0.73  | 343   | 0.114 | 1     | 2.19  | 0.013 | 0.11  | 0.1   | <0.01 | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0017 | Soil                             | 10    | 43    | 0.79  | 251   | 0.097 | 1     | 2.30  | 0.009 | 0.15  | 0.2   | 0.02  | 4.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0018 | Soil                             | 11    | 53    | 1.21  | 275   | 0.109 | <1    | 2.51  | 0.010 | 0.15  | 0.1   | 0.01  | 6.3   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0019 | Soil                             | 15    | 33    | 0.73  | 296   | 0.085 | 1     | 1.99  | 0.015 | 0.06  | 0.1   | 0.03  | 4.5   | <0.1  | 0.05  | 6     | <0.5  | <0.2  |
| 11NG0020 | Soil                             | 8     | 28    | 0.80  | 150   | 0.137 | <1    | 1.87  | 0.014 | 0.17  | <0.1  | <0.01 | 3.4   | 0.1   | 0.05  | 8     | <0.5  | <0.2  |
| 11NG0021 | Soil                             | 7     | 26    | 0.78  | 139   | 0.129 | <1    | 1.81  | 0.014 | 0.15  | <0.1  | 0.01  | 3.4   | 0.1   | <0.05 | 8     | 0.5   | <0.2  |
| 11NG0022 | Soil                             | 21    | 41    | 0.84  | 361   | 0.123 | <1    | 2.41  | 0.010 | 0.11  | 0.1   | 0.02  | 5.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0023 | Soil                             | 14    | 34    | 0.79  | 266   | 0.139 | <1    | 2.39  | 0.013 | 0.08  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0024 | Soil                             | 15    | 27    | 0.89  | 203   | 0.175 | <1    | 2.28  | 0.010 | 0.19  | 0.2   | 0.01  | 4.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0025 | Soil                             | 15    | 26    | 1.00  | 230   | 0.172 | <1    | 2.24  | 0.011 | 0.20  | 0.1   | <0.01 | 5.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0026 | Soil                             | 9     | 25    | 1.79  | 460   | 0.163 | <1    | 2.99  | 0.011 | 0.43  | <0.1  | 0.02  | 10.3  | 0.2   | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0027 | Soil                             | 7     | 18    | 1.54  | 171   | 0.164 | <1    | 2.70  | 0.016 | 0.29  | <0.1  | 0.01  | 8.1   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0028 | Soil                             | 2     | 4     | 0.97  | 268   | 0.237 | <1    | 2.30  | 0.008 | 0.24  | <0.1  | <0.01 | 1.3   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0029 | Soil                             | 16    | 16    | 1.26  | 513   | 0.025 | <1    | 2.29  | 0.010 | 0.13  | <0.1  | <0.01 | 8.1   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0030 | Soil                             | 9     | 15    | 0.68  | 245   | 0.026 | 2     | 1.51  | 0.009 | 0.15  | <0.1  | 0.02  | 1.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0031 | Soil                             | 6     | 33    | 1.57  | 238   | 0.124 | 2     | 2.19  | 0.012 | 0.50  | 0.1   | <0.01 | 4.1   | 0.1   | <0.05 | 6     | 1.0   | <0.2  |
| 11NG0032 | Soil                             | 8     | 18    | 0.88  | 375   | 0.022 | 2     | 1.70  | 0.008 | 0.14  | <0.1  | <0.01 | 2.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0033 | Soil                             | 14    | 16    | 1.06  | 705   | 0.026 | 3     | 2.09  | 0.009 | 0.18  | <0.1  | <0.01 | 3.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0034 | Soil                             | 15    | 26    | 0.49  | 550   | 0.062 | 2     | 1.67  | 0.009 | 0.12  | 0.1   | 0.02  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0035 | Soil                             | 9     | 39    | 0.67  | 190   | 0.099 | <1    | 2.21  | 0.015 | 0.09  | 0.2   | 0.01  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0036 | Soil                             | 8     | 27    | 0.72  | 272   | 0.138 | 2     | 1.98  | 0.008 | 0.28  | 0.2   | 0.03  | 4.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0037 | Soil                             | 8     | 21    | 0.78  | 407   | 0.148 | 4     | 1.81  | 0.009 | 0.53  | 0.2   | <0.01 | 4.3   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0038 | Soil                             | 11    | 10    | 0.56  | 396   | 0.215 | 1     | 1.86  | 0.009 | 0.66  | 0.1   | <0.01 | 6.5   | 0.5   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0039 | Soil                             | 13    | 35    | 1.00  | 298   | 0.168 | 2     | 2.80  | 0.012 | 0.23  | 0.2   | <0.01 | 4.5   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0040 | Soil                             | 27    | 83    | 1.31  | 601   | 0.149 | 2     | 2.05  | 0.022 | 0.08  | 0.2   | 0.04  | 7.0   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| 11NG0041 | Soil                             | 29    | 90    | 1.46  | 665   | 0.167 | 2     | 2.07  | 0.033 | 0.09  | 0.2   | <0.01 | 7.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0042 | Soil                             | 6     | 40    | 1.70  | 263   | 0.168 | <1    | 2.77  | 0.012 | 0.50  | 0.1   | 0.01  | 7.4   | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0043 | Soil                             | 21    | 116   | 1.41  | 326   | 0.064 | 2     | 2.76  | 0.011 | 0.06  | 0.1   | 0.02  | 8.2   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0044 | Soil                             | 20    | 113   | 3.32  | 1008  | 0.195 | 3     | 3.27  | 0.022 | 0.56  | <0.1  | <0.01 | 12.2  | 0.2   | <0.05 | 11    | 0.7   | <0.2  |



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Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method | Analyte | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |      |
|----------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11NG0045 | Soil   |         | 0.7  | 15.6 | 6.1   | 88    | <0.1  | 13.7  | 10.2  | 562   | 3.79  | 6.1   | 0.8   | 1.2   | 5.6   | 30    | <0.1  | 0.4   | <0.1  | 50    | 0.59  | 0.108 |    |      |
| 11NG0046 | Soil   |         | 0.8  | 25.2 | 8.5   | 73    | <0.1  | 26.7  | 13.4  | 492   | 3.34  | 9.1   | 0.8   | 3.1   | 3.0   | 24    | <0.1  | 0.5   | 0.1   | 72    | 0.27  | 0.029 |    |      |
| 11NG0047 | Soil   |         | 1.1  | 23.0 | 9.2   | 79    | <0.1  | 22.2  | 13.2  | 589   | 3.48  | 8.5   | 0.8   | 4.3   | 3.8   | 20    | <0.1  | 0.4   | 0.2   | 73    | 0.22  | 0.041 |    |      |
| 11NG0048 | Soil   |         | 0.7  | 19.0 | 8.7   | 76    | <0.1  | 22.7  | 12.7  | 454   | 3.46  | 8.7   | 0.6   | 3.8   | 3.6   | 21    | <0.1  | 0.5   | 0.2   | 78    | 0.25  | 0.034 |    |      |
| 11NG0049 | Soil   |         | 1.0  | 17.4 | 11.2  | 85    | 0.2   | 16.5  | 10.4  | 641   | 3.19  | 7.3   | 0.6   | 1.2   | 1.9   | 24    | 0.2   | 0.4   | 0.2   | 77    | 0.30  | 0.059 |    |      |
| 11NG0050 | Soil   |         | 1.0  | 21.3 | 5.7   | 110   | <0.1  | 15.5  | 17.5  | 624   | 4.97  | 5.8   | 0.5   | 2.2   | 3.4   | 12    | 0.1   | 0.3   | 0.1   | 115   | 0.18  | 0.045 |    |      |
| 11NG0051 | Soil   |         | 1.5  | 23.0 | 9.8   | 62    | 0.2   | 18.8  | 12.7  | 532   | 3.10  | 7.5   | 0.8   | 2.4   | 3.1   | 35    | 0.3   | 0.4   | 0.2   | 72    | 0.52  | 0.075 |    |      |
| 11NG0052 | Soil   |         | 1.3  | 16.0 | 10.3  | 71    | <0.1  | 20.8  | 8.7   | 345   | 2.98  | 8.5   | 0.4   | 3.8   | 3.0   | 23    | 0.2   | 0.6   | 0.1   | 62    | 0.29  | 0.023 |    |      |
| 11NG0053 | Soil   |         | 1.5  | 41.2 | 10.8  | 83    | 0.4   | 22.9  | 13.1  | 696   | 3.60  | 8.0   | 1.6   | 17.3  | 3.0   | 41    | 0.4   | 0.4   | 0.1   | 70    | 1.05  | 0.060 |    |      |
| 11NG0054 | Soil   |         | 1.3  | 29.4 | 9.0   | 79    | 0.2   | 18.7  | 13.5  | 499   | 4.20  | 5.6   | 0.5   | 2.0   | 2.1   | 26    | 0.1   | 0.3   | <0.1  | 87    | 0.53  | 0.047 |    |      |
| 11NG0055 | Soil   |         | 0.8  | 22.0 | 6.2   | 69    | 0.2   | 19.4  | 12.5  | 331   | 2.73  | 3.6   | 0.4   | <0.5  | 1.9   | 18    | 0.1   | 0.2   | 0.1   | 70    | 0.52  | 0.072 |    |      |
| 11NG0056 | Soil   |         | 0.9  | 54.3 | 10.1  | 57    | 0.2   | 96.1  | 23.3  | 639   | 3.08  | 4.2   | 0.4   | 1.4   | 1.5   | 26    | 0.2   | 0.2   | <0.1  | 68    | 0.70  | 0.046 |    |      |
| 11NG0057 | Soil   |         | 0.8  | 29.7 | 7.7   | 98    | 0.1   | 34.8  | 17.5  | 702   | 4.74  | 5.4   | 0.5   | 9.4   | 2.3   | 21    | 0.1   | 0.2   | 0.1   | 113   | 0.37  | 0.039 |    |      |
| 11NG0058 | Soil   |         | 0.9  | 25.1 | 10.2  | 102   | <0.1  | 57.5  | 22.2  | 990   | 4.70  | 5.1   | 0.3   | 5.2   | 1.7   | 29    | 0.2   | 0.3   | 0.1   | 113   | 0.49  | 0.051 |    |      |
| 11NG0059 | Soil   |         | 0.9  | 28.1 | 15.1  | 100   | <0.1  | 14.5  | 10.3  | 699   | 4.71  | 4.8   | 0.7   | 2.7   | 6.5   | 18    | <0.1  | 0.2   | 0.2   | 72    | 0.28  | 0.077 |    |      |
| 11NG0060 | Soil   |         | 0.8  | 23.4 | 8.8   | 80    | <0.1  | 17.3  | 12.9  | 591   | 3.90  | 4.0   | 0.7   | 4.1   | 4.6   | 19    | <0.1  | 0.2   | 0.3   | 72    | 0.26  | 0.033 |    |      |
| 11NG0061 | Soil   |         | 0.8  | 24.3 | 8.4   | 86    | <0.1  | 16.9  | 13.0  | 652   | 4.17  | 3.8   | 0.7   | 4.5   | 4.5   | 19    | <0.1  | 0.3   | 0.2   | 78    | 0.28  | 0.035 |    |      |
| 11NG0062 | Soil   |         | 1.6  | 17.3 | 8.3   | 67    | 0.1   | 25.1  | 9.2   | 523   | 3.07  | 6.0   | 0.7   | 2.1   | 4.8   | 22    | <0.1  | 0.4   | 0.2   | 57    | 0.26  | 0.033 |    |      |
| 11TB0001 | Soil   |         | 1.3  | 18.0 | 10.2  | 68    | <0.1  | 20.3  | 10.3  | 404   | 3.06  | 7.1   | 0.9   | 4.8   | 4.7   | 21    | <0.1  | 0.4   | 0.2   | 70    | 0.31  | 0.041 |    |      |
| 11TB0002 | Soil   |         | 1.4  | 22.8 | 10.7  | 80    | <0.1  | 24.0  | 12.6  | 472   | 3.93  | 9.2   | 0.9   | 70.7  | 4.9   | 21    | 0.1   | 0.5   | 0.2   | 79    | 0.27  | 0.042 |    |      |
| 11TB0003 | Soil   |         | 1.1  | 18.2 | 10.0  | 68    | <0.1  | 18.3  | 10.2  | 405   | 2.99  | 6.1   | 0.8   | 8.1   | 3.9   | 18    | 0.1   | 0.5   | 0.2   | 66    | 0.21  | 0.036 |    |      |
| 11TB0004 | Soil   |         | 0.7  | 14.7 | 9.5   | 76    | <0.1  | 13.3  | 10.9  | 598   | 2.81  | 3.6   | 0.6   | 26.3  | 4.2   | 16    | <0.1  | 0.3   | 0.1   | 56    | 0.26  | 0.054 |    |      |
| 11TB0005 | Soil   |         | 1.5  | 15.3 | 12.2  | 74    | <0.1  | 17.5  | 10.3  | 436   | 3.27  | 6.7   | 0.6   | 4.2   | 3.6   | 16    | <0.1  | 0.5   | 0.2   | 74    | 0.20  | 0.036 |    |      |
| 11TB0006 | Soil   |         | 1.6  | 13.9 | 10.6  | 63    | <0.1  | 18.7  | 8.8   | 345   | 3.10  | 6.9   | 0.5   | 5.6   | 3.5   | 14    | <0.1  | 0.4   | 0.2   | 69    | 0.17  | 0.034 |    |      |
| 11TB0007 | Soil   |         | 1.3  | 20.7 | 10.3  | 71    | 0.1   | 19.2  | 10.9  | 568   | 3.11  | 6.2   | 0.9   | 13.0  | 4.1   | 21    | 0.1   | 0.4   | 0.2   | 64    | 0.29  | 0.041 |    |      |
| 11TB0008 | Soil   |         | 1.5  | 16.9 | 9.7   | 78    | <0.1  | 20.4  | 10.4  | 536   | 3.27  | 5.9   | 0.8   | 8.4   | 4.6   | 19    | <0.1  | 0.4   | 0.2   | 68    | 0.34  | 0.037 |    |      |
| 11TB0009 | Soil   |         | 1.4  | 16.7 | 8.8   | 68    | 0.3   | 15.9  | 9.5   | 426   | 2.93  | 4.9   | 1.0   | 11.7  | 3.7   | 16    | 0.2   | 0.4   | 0.2   | 64    | 0.22  | 0.041 |    |      |
| 11TB0010 | Soil   |         | 5.8  | 17.8 | 22.2  | 75    | 0.4   | 13.9  | 11.1  | 644   | 3.57  | 9.6   | 0.9   | 4.8   | 3.9   | 17    | <0.1  | 0.4   | 0.2   | 52    | 0.25  | 0.066 |    |      |
| 11TB0011 | Soil   |         | 16.0 | 57.6 | 175.2 | 107   | 0.9   | 14.1  | 19.0  | 1158  | 6.04  | 13.0  | 1.2   | 7.3   | 4.4   | 14    | 0.3   | 0.7   | 0.2   | 89    | 0.28  | 0.140 |    |      |
| 11TB0012 | Soil   |         | 3.9  | 24.7 | 30.1  | 67    | 0.3   | 20.1  | 10.7  | 419   | 3.73  | 8.7   | 1.0   | 3.2   | 3.6   | 23    | 0.1   | 0.3   | 0.2   | 79    | 0.27  | 0.057 |    |      |



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Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0045 | Soil                             | 14    | 19    | 1.12  | 322   | 0.177 | 2     | 2.08  | 0.010 | 0.54  | 0.1   | 0.01  | 4.2   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0046 | Soil                             | 13    | 38    | 0.90  | 290   | 0.125 | 3     | 2.29  | 0.022 | 0.13  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0047 | Soil                             | 12    | 35    | 0.86  | 293   | 0.108 | 4     | 2.37  | 0.011 | 0.16  | 0.2   | 0.02  | 4.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0048 | Soil                             | 11    | 38    | 0.89  | 238   | 0.146 | 3     | 2.36  | 0.012 | 0.18  | 0.2   | <0.01 | 4.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0049 | Soil                             | 11    | 30    | 0.78  | 242   | 0.136 | 4     | 2.00  | 0.010 | 0.22  | 0.2   | 0.02  | 3.6   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0050 | Soil                             | 9     | 36    | 1.82  | 292   | 0.254 | 2     | 3.67  | 0.013 | 0.80  | 0.2   | <0.01 | 8.0   | 0.3   | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0051 | Soil                             | 13    | 31    | 0.65  | 361   | 0.086 | 1     | 1.85  | 0.017 | 0.06  | 0.2   | 0.03  | 4.9   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11NG0052 | Soil                             | 8     | 33    | 0.54  | 324   | 0.070 | 2     | 1.90  | 0.009 | 0.19  | 0.2   | <0.01 | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0053 | Soil                             | 19    | 38    | 0.88  | 674   | 0.081 | 3     | 1.99  | 0.015 | 0.15  | <0.1  | 0.06  | 6.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0054 | Soil                             | 11    | 31    | 1.15  | 429   | 0.150 | 1     | 2.08  | 0.012 | 0.19  | 0.1   | 0.01  | 5.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0055 | Soil                             | 9     | 31    | 1.05  | 278   | 0.113 | 2     | 1.47  | 0.011 | 0.11  | <0.1  | 0.01  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0056 | Soil                             | 7     | 214   | 1.85  | 486   | 0.182 | 2     | 2.31  | 0.019 | 0.15  | <0.1  | 0.01  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0057 | Soil                             | 9     | 92    | 1.99  | 380   | 0.151 | 2     | 2.63  | 0.013 | 0.30  | 0.2   | 0.01  | 8.1   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0058 | Soil                             | 6     | 143   | 2.31  | 388   | 0.212 | 2     | 2.88  | 0.021 | 0.24  | <0.1  | <0.01 | 6.3   | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0059 | Soil                             | 16    | 27    | 1.07  | 323   | 0.196 | 2     | 2.42  | 0.011 | 0.76  | 0.1   | 0.02  | 4.7   | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0060 | Soil                             | 24    | 32    | 1.11  | 377   | 0.205 | 1     | 2.32  | 0.011 | 0.49  | 0.1   | <0.01 | 5.8   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0061 | Soil                             | 27    | 31    | 1.21  | 418   | 0.223 | 3     | 2.45  | 0.012 | 0.55  | 0.2   | <0.01 | 6.1   | 0.3   | <0.05 | 8     | 0.6   | <0.2  |
| 11NG0062 | Soil                             | 18    | 40    | 0.71  | 441   | 0.103 | 3     | 2.00  | 0.010 | 0.20  | 0.2   | 0.01  | 5.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0001 | Soil                             | 15    | 33    | 0.78  | 305   | 0.120 | 2     | 2.02  | 0.012 | 0.11  | 0.2   | 0.02  | 4.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0002 | Soil                             | 15    | 40    | 0.86  | 260   | 0.151 | 2     | 2.61  | 0.013 | 0.13  | 0.2   | 0.02  | 5.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0003 | Soil                             | 14    | 31    | 0.75  | 202   | 0.154 | 1     | 2.01  | 0.013 | 0.16  | 0.2   | 0.04  | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0004 | Soil                             | 17    | 22    | 0.95  | 196   | 0.180 | 1     | 1.89  | 0.011 | 0.34  | 0.2   | <0.01 | 5.9   | 0.3   | <0.05 | 7     | 0.5   | <0.2  |
| 11TB0005 | Soil                             | 12    | 31    | 0.74  | 200   | 0.147 | <1    | 2.22  | 0.011 | 0.10  | 0.2   | 0.02  | 4.1   | 0.1   | <0.05 | 8     | 0.6   | <0.2  |
| 11TB0006 | Soil                             | 11    | 32    | 0.72  | 179   | 0.120 | <1    | 2.17  | 0.012 | 0.09  | 0.2   | 0.02  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0007 | Soil                             | 17    | 34    | 0.72  | 329   | 0.117 | <1    | 1.97  | 0.012 | 0.09  | 0.2   | 0.04  | 5.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0008 | Soil                             | 17    | 34    | 0.79  | 313   | 0.135 | 1     | 2.15  | 0.012 | 0.16  | 0.2   | 0.03  | 5.1   | 0.2   | <0.05 | 7     | 0.5   | <0.2  |
| 11TB0009 | Soil                             | 22    | 27    | 0.69  | 324   | 0.119 | 1     | 1.92  | 0.010 | 0.10  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0010 | Soil                             | 17    | 24    | 0.59  | 263   | 0.095 | 1     | 1.85  | 0.010 | 0.13  | 0.1   | 0.03  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | 0.3   |
| 11TB0011 | Soil                             | 19    | 24    | 0.90  | 457   | 0.111 | <1    | 1.82  | 0.014 | 0.40  | 0.1   | 0.02  | 7.9   | 0.3   | 0.08  | 7     | 0.7   | 0.9   |
| 11TB0012 | Soil                             | 15    | 34    | 0.81  | 464   | 0.110 | <1    | 1.93  | 0.030 | 0.14  | 0.2   | 0.02  | 5.2   | 0.1   | 0.15  | 7     | 0.6   | <0.2  |





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Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| 11TB0013 | Soil                             | 1.6   | 25.8  | 10.9  | 80    | 0.2   | 16.1  | 14.3  | 731   | 4.31  | 4.0   | 0.7   | 2.2   | 3.4   | 16    | <0.1  | 0.3   | 0.1   | 69    | 0.35  | 0.095 |
| 11TB0014 | Soil                             | 1.6   | 14.8  | 10.3  | 62    | 0.2   | 15.8  | 6.8   | 415   | 2.54  | 4.5   | 0.6   | 7.4   | 2.8   | 20    | <0.1  | 0.3   | 0.2   | 60    | 0.30  | 0.048 |
| 11TB0015 | Soil                             | 2.1   | 26.0  | 34.4  | 71    | 0.3   | 34.6  | 15.8  | 691   | 3.64  | 5.5   | 0.8   | 8.6   | 3.2   | 23    | 0.2   | 0.4   | 0.2   | 76    | 0.35  | 0.062 |
| 11TB0016 | Soil                             | 0.8   | 38.4  | 8.3   | 66    | 0.2   | 111.0 | 23.4  | 882   | 3.82  | 5.2   | 1.3   | 3.3   | 5.5   | 115   | 0.1   | 0.3   | 0.1   | 99    | 1.12  | 0.243 |
| 11TB0017 | Soil                             | 1.1   | 24.7  | 7.2   | 74    | 0.1   | 22.6  | 12.9  | 438   | 3.40  | 4.6   | 0.4   | 8.2   | 2.0   | 18    | 0.2   | 0.3   | 0.2   | 81    | 0.38  | 0.086 |
| 11TB0018 | Soil                             | 1.0   | 27.3  | 10.5  | 63    | <0.1  | 22.2  | 10.6  | 318   | 3.08  | 8.1   | 0.6   | 3.7   | 3.2   | 18    | 0.1   | 0.4   | 0.2   | 71    | 0.26  | 0.044 |
| 11TB0019 | Soil                             | 0.8   | 36.2  | 9.9   | 117   | <0.1  | 14.3  | 15.1  | 741   | 4.49  | 3.4   | 0.3   | <0.5  | 1.4   | 22    | 0.2   | 0.2   | <0.1  | 114   | 0.63  | 0.127 |
| 11TB0020 | Soil                             | 1.2   | 30.6  | 11.4  | 59    | 0.2   | 12.6  | 6.8   | 367   | 2.83  | 5.0   | 0.7   | 3.6   | 2.5   | 17    | 0.2   | 0.3   | 0.2   | 63    | 0.25  | 0.045 |
| 11TB0021 | Soil                             | 0.9   | 24.4  | 10.7  | 59    | 0.1   | 12.8  | 6.4   | 308   | 2.74  | 5.4   | 0.6   | 2.2   | 2.5   | 16    | 0.2   | 0.3   | 0.1   | 63    | 0.23  | 0.037 |
| 11TB0022 | Soil                             | 1.0   | 36.0  | 9.0   | 95    | <0.1  | 20.3  | 14.4  | 480   | 3.74  | 5.7   | 0.4   | 1.1   | 2.5   | 15    | 0.1   | 0.3   | 0.1   | 96    | 0.30  | 0.070 |
| 11TB0023 | Soil                             | 0.8   | 11.3  | 6.9   | 99    | <0.1  | 16.2  | 19.1  | 950   | 4.45  | 4.8   | 0.4   | 1.0   | 2.4   | 26    | <0.1  | 0.3   | 0.2   | 98    | 0.48  | 0.061 |
| 11TB0024 | Soil                             | 0.7   | 7.5   | 5.6   | 76    | <0.1  | 11.1  | 13.9  | 550   | 4.14  | 2.7   | 0.4   | 0.9   | 2.7   | 17    | <0.1  | 0.3   | <0.1  | 53    | 0.37  | 0.080 |
| 11TB0025 | Soil                             | 0.5   | 14.4  | 6.1   | 106   | <0.1  | 8.2   | 14.6  | 721   | 4.44  | 3.6   | 0.4   | 0.8   | 2.1   | 38    | <0.1  | 0.7   | <0.1  | 86    | 0.73  | 0.185 |
| 11TB0026 | Soil                             | 1.0   | 32.3  | 11.0  | 61    | 0.2   | 29.3  | 11.0  | 817   | 3.13  | 6.3   | 1.1   | 4.1   | 5.0   | 38    | 0.2   | 0.4   | 0.2   | 51    | 0.59  | 0.062 |
| 11TB0027 | Soil                             | 1.2   | 23.6  | 9.7   | 64    | 0.2   | 16.3  | 9.9   | 660   | 3.21  | 5.4   | 1.2   | 4.2   | 6.2   | 22    | <0.1  | 0.3   | 0.1   | 46    | 0.39  | 0.049 |
| 11TB0028 | Soil                             | 1.5   | 27.1  | 8.9   | 61    | 0.1   | 27.9  | 10.5  | 462   | 3.10  | 7.0   | 0.9   | 7.5   | 4.9   | 26    | 0.1   | 0.5   | 0.1   | 64    | 0.34  | 0.033 |
| 11TB0029 | Soil                             | 2.2   | 16.8  | 7.0   | 49    | 0.1   | 16.4  | 9.0   | 581   | 2.85  | 5.2   | 0.5   | 8.2   | 2.8   | 23    | 0.1   | 0.4   | 0.1   | 62    | 0.25  | 0.031 |
| 11TB0030 | Soil                             | 1.6   | 19.7  | 9.8   | 54    | 0.2   | 22.2  | 13.8  | 1174  | 3.13  | 6.8   | 0.5   | 6.4   | 3.1   | 26    | <0.1  | 0.7   | 0.2   | 80    | 0.28  | 0.028 |
| 11TB0031 | Soil                             | 1.2   | 19.3  | 9.2   | 74    | <0.1  | 19.7  | 9.7   | 553   | 3.16  | 6.5   | 0.6   | 12.0  | 4.4   | 18    | <0.1  | 0.9   | 0.1   | 63    | 0.27  | 0.046 |
| 11TB0032 | Soil                             | 1.1   | 14.9  | 10.2  | 72    | 0.1   | 15.3  | 9.1   | 690   | 3.15  | 6.9   | 0.4   | 2.1   | 2.8   | 21    | 0.2   | 0.5   | 0.1   | 66    | 0.27  | 0.047 |
| 11TB0033 | Soil                             | 0.7   | 22.8  | 61.9  | 152   | <0.1  | 11.8  | 9.3   | 809   | 3.44  | 3.9   | 0.4   | 1.8   | 3.1   | 16    | 0.2   | 0.7   | 0.1   | 58    | 0.27  | 0.047 |
| 11TB0034 | Soil                             | 1.0   | 27.0  | 40.9  | 179   | <0.1  | 19.7  | 9.8   | 489   | 3.56  | 6.6   | 0.6   | 6.7   | 4.1   | 21    | 0.5   | 0.8   | 0.2   | 71    | 0.30  | 0.032 |
| 11TB0035 | Soil                             | 0.4   | 41.9  | 6.2   | 96    | <0.1  | 15.4  | 15.9  | 762   | 4.29  | 3.3   | 0.4   | 1.0   | 2.5   | 21    | 0.4   | 0.6   | <0.1  | 101   | 0.63  | 0.145 |
| 11TB0036 | Soil                             | 0.9   | 27.3  | 9.5   | 69    | <0.1  | 21.6  | 12.2  | 657   | 2.98  | 7.0   | 0.5   | 2.1   | 3.8   | 27    | 0.2   | 0.6   | 0.2   | 73    | 0.34  | 0.053 |
| 11TB0037 | Soil                             | 0.4   | 16.3  | 6.0   | 88    | <0.1  | 15.0  | 15.1  | 667   | 3.99  | 4.1   | 0.3   | 0.9   | 2.1   | 12    | 0.1   | 0.2   | <0.1  | 93    | 0.30  | 0.094 |
| 11TB0038 | Soil                             | 0.9   | 25.9  | 11.6  | 59    | 0.2   | 28.8  | 11.0  | 738   | 2.57  | 5.2   | 0.6   | 0.6   | 2.4   | 47    | <0.1  | 0.9   | 0.2   | 68    | 0.77  | 0.063 |
| 11TB0039 | Soil                             | 0.8   | 35.2  | 12.0  | 62    | <0.1  | 32.1  | 10.8  | 334   | 3.17  | 5.6   | 0.5   | 5.4   | 3.2   | 23    | <0.1  | 0.8   | 0.1   | 92    | 0.27  | 0.045 |
| 11TB0040 | Soil                             | 0.5   | 26.2  | 21.9  | 67    | <0.1  | 68.5  | 16.9  | 447   | 3.43  | 3.5   | 1.0   | 0.7   | 6.1   | 38    | <0.1  | 0.3   | 0.1   | 89    | 0.44  | 0.123 |
| 11TB0041 | Soil                             | 0.5   | 30.4  | 23.6  | 73    | <0.1  | 48.6  | 17.9  | 474   | 3.84  | 4.1   | 0.8   | <0.5  | 4.5   | 29    | <0.1  | 0.2   | 0.1   | 108   | 0.41  | 0.102 |
| 11TB0042 | Soil                             | 0.4   | 22.1  | 4.6   | 81    | <0.1  | 22.7  | 17.9  | 557   | 3.38  | 3.5   | 0.2   | 0.7   | 0.9   | 17    | <0.1  | 0.2   | <0.1  | 91    | 0.32  | 0.089 |



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**Project:** None Given  
**Report Date:** July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0013 | Soil                             | 12    | 27    | 0.91  | 389   | 0.188 | 1     | 2.14  | 0.011 | 0.32  | 0.1   | 0.01  | 5.3   | 0.2   | <0.05 | 8     | 0.9   | <0.2  |
| 11TB0014 | Soil                             | 14    | 27    | 0.54  | 320   | 0.095 | 1     | 1.70  | 0.011 | 0.08  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11TB0015 | Soil                             | 16    | 63    | 1.10  | 521   | 0.067 | <1    | 2.10  | 0.013 | 0.07  | 0.1   | 0.02  | 6.5   | <0.1  | <0.05 | 7     | 0.7   | <0.2  |
| 11TB0016 | Soil                             | 36    | 182   | 2.37  | 1058  | 0.167 | 2     | 2.64  | 0.021 | 0.07  | 0.1   | 0.04  | 8.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0017 | Soil                             | 10    | 33    | 1.05  | 302   | 0.179 | 1     | 1.97  | 0.016 | 0.24  | <0.1  | 0.02  | 4.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0018 | Soil                             | 11    | 37    | 0.72  | 244   | 0.110 | 2     | 2.04  | 0.013 | 0.11  | 0.2   | 0.02  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0019 | Soil                             | 6     | 44    | 1.56  | 265   | 0.197 | <1    | 2.28  | 0.029 | 0.55  | <0.1  | <0.01 | 6.1   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11TB0020 | Soil                             | 14    | 29    | 0.59  | 285   | 0.113 | <1    | 1.78  | 0.012 | 0.19  | 0.1   | 0.02  | 3.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0021 | Soil                             | 12    | 26    | 0.58  | 240   | 0.113 | <1    | 1.70  | 0.012 | 0.14  | 0.1   | 0.03  | 3.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0022 | Soil                             | 9     | 45    | 1.46  | 229   | 0.178 | 2     | 2.51  | 0.016 | 0.35  | 0.1   | 0.01  | 4.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0023 | Soil                             | 7     | 23    | 1.71  | 368   | 0.255 | 2     | 2.90  | 0.013 | 0.96  | <0.1  | <0.01 | 3.2   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0024 | Soil                             | 8     | 16    | 1.04  | 491   | 0.141 | 1     | 2.26  | 0.010 | 0.58  | <0.1  | 0.01  | 2.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0025 | Soil                             | 7     | 16    | 1.70  | 753   | 0.240 | 1     | 2.70  | 0.012 | 1.01  | 0.1   | <0.01 | 2.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0026 | Soil                             | 33    | 33    | 0.55  | 1128  | 0.059 | 3     | 1.77  | 0.019 | 0.14  | 0.1   | 0.04  | 5.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0027 | Soil                             | 27    | 23    | 0.58  | 673   | 0.039 | <1    | 1.70  | 0.011 | 0.15  | <0.1  | 0.02  | 5.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0028 | Soil                             | 20    | 42    | 0.74  | 785   | 0.091 | <1    | 2.00  | 0.015 | 0.10  | 0.1   | 0.02  | 5.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0029 | Soil                             | 12    | 28    | 0.50  | 493   | 0.062 | <1    | 1.61  | 0.011 | 0.11  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0030 | Soil                             | 11    | 37    | 0.60  | 464   | 0.076 | 1     | 1.94  | 0.014 | 0.09  | 0.1   | 0.03  | 4.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0031 | Soil                             | 14    | 28    | 0.72  | 185   | 0.091 | 1     | 2.11  | 0.015 | 0.08  | 0.1   | 0.02  | 5.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0032 | Soil                             | 9     | 26    | 0.56  | 258   | 0.101 | 1     | 1.83  | 0.011 | 0.13  | 0.1   | 0.01  | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0033 | Soil                             | 11    | 24    | 0.82  | 240   | 0.161 | <1    | 1.76  | 0.011 | 0.26  | 0.1   | 0.01  | 5.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0034 | Soil                             | 13    | 31    | 0.89  | 255   | 0.125 | <1    | 2.14  | 0.015 | 0.10  | 0.1   | 0.02  | 6.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0035 | Soil                             | 8     | 22    | 1.21  | 322   | 0.217 | <1    | 2.24  | 0.030 | 0.45  | <0.1  | 0.01  | 5.8   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0036 | Soil                             | 12    | 34    | 0.73  | 405   | 0.121 | <1    | 1.93  | 0.016 | 0.30  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 7     | 0.8   | <0.2  |
| 11TB0037 | Soil                             | 6     | 25    | 1.12  | 272   | 0.263 | <1    | 2.14  | 0.019 | 0.68  | <0.1  | <0.01 | 3.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0038 | Soil                             | 10    | 50    | 0.93  | 463   | 0.122 | 2     | 1.52  | 0.017 | 0.20  | 0.1   | 0.02  | 2.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0039 | Soil                             | 9     | 62    | 1.21  | 419   | 0.170 | <1    | 1.91  | 0.013 | 0.23  | 0.1   | <0.01 | 4.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0040 | Soil                             | 14    | 101   | 1.73  | 321   | 0.184 | <1    | 2.18  | 0.017 | 0.41  | <0.1  | <0.01 | 3.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0041 | Soil                             | 10    | 86    | 1.77  | 359   | 0.222 | <1    | 2.62  | 0.017 | 0.52  | 0.1   | <0.01 | 4.5   | 0.2   | <0.05 | 9     | 0.7   | <0.2  |
| 11TB0042 | Soil                             | 3     | 47    | 1.52  | 245   | 0.209 | <1    | 2.26  | 0.018 | 0.34  | <0.1  | <0.01 | 3.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |



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Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11TB0043 | Soil | 0.3                              | 19.7  | 5.2   | 105   | <0.1  | 53.8  | 22.5  | 789   | 3.97  | 2.2   | 0.2   | <0.5  | 1.2   | 26    | <0.1  | <0.1  | <0.1  | 120   | 0.58  | 0.114 |      |
| 11TB0044 | Soil | 0.7                              | 37.8  | 9.2   | 116   | <0.1  | 20.2  | 14.1  | 729   | 3.88  | 4.8   | 0.2   | <0.5  | 1.3   | 26    | 0.3   | 0.5   | 0.1   | 99    | 0.37  | 0.102 |      |
| 11TB0045 | Soil | 0.7                              | 22.8  | 7.3   | 72    | <0.1  | 21.6  | 11.9  | 456   | 3.33  | 7.3   | 0.6   | 2.3   | 3.7   | 32    | <0.1  | 0.6   | 0.1   | 75    | 0.39  | 0.066 |      |
| 11TB0046 | Soil | 1.4                              | 30.1  | 8.8   | 77    | 0.1   | 25.4  | 13.6  | 457   | 4.05  | 8.4   | 0.5   | 1.4   | 3.4   | 13    | <0.1  | 0.6   | 0.1   | 95    | 0.15  | 0.035 |      |
| 11TB0047 | Soil | 1.3                              | 19.0  | 9.0   | 96    | 0.2   | 14.9  | 12.0  | 1210  | 4.03  | 6.0   | 0.3   | 0.6   | 2.0   | 20    | 0.1   | 1.0   | 0.1   | 80    | 0.25  | 0.057 |      |
| 11TB0048 | Soil | 1.9                              | 20.5  | 13.4  | 89    | 0.3   | 16.0  | 11.6  | 798   | 3.73  | 6.9   | 0.3   | 1.5   | 2.0   | 17    | 0.1   | 0.5   | 0.2   | 92    | 0.24  | 0.071 |      |
| 11TB0049 | Soil | 0.8                              | 44.3  | 12.0  | 71    | 0.1   | 161.6 | 26.7  | 650   | 4.18  | 6.3   | 1.0   | 3.1   | 9.3   | 210   | <0.1  | 0.3   | 0.2   | 102   | 1.46  | 0.441 |      |
| 11TB0050 | Soil | 1.1                              | 29.9  | 11.5  | 64    | 0.1   | 80.7  | 15.5  | 430   | 4.05  | 8.5   | 1.0   | 3.1   | 4.9   | 88    | 0.1   | 0.5   | 0.2   | 94    | 0.48  | 0.157 |      |
| 11TB0051 | Soil | 1.9                              | 25.4  | 12.8  | 56    | 0.2   | 19.9  | 11.3  | 314   | 4.06  | 9.5   | 0.9   | 4.3   | 4.0   | 14    | <0.1  | 0.8   | 0.2   | 81    | 0.14  | 0.047 |      |
| 11TB0052 | Soil | 1.3                              | 19.3  | 11.0  | 53    | 0.2   | 17.2  | 7.0   | 247   | 3.03  | 8.4   | 1.1   | 5.9   | 4.2   | 16    | <0.1  | 0.5   | 0.2   | 73    | 0.16  | 0.028 |      |
| 11TB0053 | Soil | 1.2                              | 13.6  | 11.0  | 56    | <0.1  | 18.2  | 7.7   | 292   | 3.42  | 9.3   | 0.4   | 3.2   | 1.8   | 14    | 0.1   | 0.7   | 0.2   | 89    | 0.14  | 0.050 |      |
| 11TB0054 | Soil | 1.0                              | 19.8  | 8.8   | 62    | <0.1  | 18.0  | 9.7   | 438   | 3.16  | 7.4   | 0.8   | 3.8   | 3.5   | 18    | 0.1   | 0.4   | 0.2   | 73    | 0.22  | 0.036 |      |
| 11TB0055 | Soil | 1.3                              | 14.1  | 9.4   | 54    | <0.1  | 14.2  | 7.0   | 242   | 2.93  | 7.5   | 0.5   | 2.2   | 2.3   | 14    | <0.1  | 0.4   | 0.2   | 74    | 0.15  | 0.033 |      |
| 11TB0056 | Soil | 0.9                              | 24.0  | 9.1   | 81    | <0.1  | 22.4  | 13.8  | 531   | 3.68  | 6.9   | 0.8   | 4.4   | 3.1   | 19    | <0.1  | 0.4   | 0.2   | 84    | 0.19  | 0.034 |      |
| 11TB0057 | Soil | 0.9                              | 15.6  | 8.2   | 99    | <0.1  | 22.4  | 15.4  | 516   | 4.14  | 7.0   | 0.5   | 3.2   | 2.9   | 15    | <0.1  | 0.4   | 0.2   | 95    | 0.18  | 0.031 |      |
| 11TB0058 | Soil | 0.7                              | 15.0  | 8.8   | 77    | <0.1  | 17.0  | 9.3   | 390   | 3.04  | 6.4   | 0.5   | 4.7   | 2.2   | 19    | 0.2   | 0.4   | 0.2   | 72    | 0.22  | 0.044 |      |
| 11TB0059 | Soil | 0.7                              | 16.1  | 10.2  | 83    | <0.1  | 13.5  | 12.5  | 525   | 3.24  | 4.4   | 0.5   | 2.7   | 3.3   | 14    | <0.1  | 0.3   | 0.2   | 87    | 0.20  | 0.044 |      |
| 11TB0060 | Soil | 1.6                              | 28.3  | 5.1   | 67    | 0.2   | 14.0  | 5.9   | 431   | 1.61  | 2.2   | 7.0   | 14.5  | 1.1   | 111   | 0.3   | 0.4   | <0.1  | 32    | 1.94  | 0.084 |      |
| 11TB0061 | Soil | 0.8                              | 53.4  | 6.5   | 57    | 0.1   | 28.3  | 15.3  | 290   | 3.25  | 3.5   | 1.5   | 2.3   | 2.3   | 44    | <0.1  | 0.2   | <0.1  | 84    | 0.92  | 0.081 |      |
| 11TB0062 | Soil | 1.5                              | 37.1  | 8.8   | 91    | 0.2   | 23.9  | 14.5  | 757   | 4.04  | 5.1   | 1.0   | 10.4  | 3.2   | 38    | 0.2   | 0.3   | 0.1   | 76    | 0.98  | 0.070 |      |
| 11TB0063 | Soil | 1.4                              | 33.7  | 10.2  | 88    | 0.3   | 53.7  | 17.7  | 738   | 4.28  | 5.1   | 0.7   | 10.1  | 3.7   | 27    | 0.2   | 0.3   | 0.1   | 88    | 0.42  | 0.092 |      |
| 11TB0064 | Soil | 1.1                              | 22.3  | 8.5   | 70    | 0.1   | 24.0  | 12.3  | 505   | 3.24  | 6.1   | 0.4   | 0.9   | 2.1   | 21    | 0.2   | 0.4   | 0.1   | 79    | 0.37  | 0.035 |      |
| 11TB0065 | Soil | 0.7                              | 27.4  | 7.0   | 89    | 0.1   | 34.2  | 17.5  | 720   | 3.94  | 4.4   | 0.5   | 5.4   | 2.6   | 24    | <0.1  | 0.3   | <0.1  | 104   | 0.39  | 0.033 |      |
| 11TB0066 | Soil | 0.5                              | 30.7  | 4.4   | 115   | <0.1  | 31.2  | 27.9  | 1201  | 5.26  | 2.9   | 0.4   | 1.8   | 1.8   | 23    | 0.1   | 0.2   | <0.1  | 141   | 0.51  | 0.093 |      |
| 11TB0067 | Soil | 1.1                              | 18.5  | 9.5   | 58    | <0.1  | 18.9  | 9.5   | 490   | 2.99  | 6.3   | 0.9   | 3.2   | 5.3   | 21    | <0.1  | 0.4   | 0.1   | 64    | 0.20  | 0.025 |      |
| 11TB0068 | Soil | 1.1                              | 19.1  | 10.2  | 60    | 0.2   | 23.9  | 9.4   | 405   | 3.08  | 5.4   | 0.8   | 168.1 | 5.2   | 19    | <0.1  | 0.4   | 0.5   | 62    | 0.18  | 0.032 |      |
| 11TB0069 | Soil | 1.1                              | 14.0  | 9.2   | 65    | 0.1   | 15.8  | 8.7   | 846   | 2.89  | 6.5   | 0.5   | <0.5  | 2.8   | 23    | 0.2   | 0.4   | 0.2   | 65    | 0.26  | 0.043 |      |
| 11TB0070 | Soil | 1.5                              | 24.7  | 6.5   | 87    | <0.1  | 22.0  | 12.6  | 675   | 4.18  | 4.3   | 0.5   | 1.6   | 3.9   | 20    | <0.1  | 0.3   | 0.2   | 87    | 0.24  | 0.030 |      |
| 11TB0071 | Soil | 0.9                              | 18.0  | 7.9   | 71    | 0.2   | 36.7  | 12.3  | 815   | 3.41  | 3.5   | 0.7   | 2.3   | 3.7   | 25    | 0.2   | 0.3   | 0.1   | 71    | 0.36  | 0.061 |      |
| 11TB0072 | Soil | 1.2                              | 18.2  | 6.4   | 101   | <0.1  | 23.5  | 18.7  | 723   | 4.60  | 4.9   | 0.3   | <0.5  | 1.4   | 17    | <0.1  | 0.3   | 0.2   | 127   | 0.24  | 0.062 |      |



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**Project:** None Given  
**Report Date:** July 04, 2011

**Page:** 8 of 11 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0043 | Soil                             | 5     | 147   | 2.78  | 620   | 0.263 | <1    | 3.11  | 0.024 | 1.21  | <0.1  | <0.01 | 5.1   | 0.4   | <0.05 | 10    | <0.5  | <0.2  |
| 11TB0044 | Soil                             | 4     | 37    | 1.08  | 448   | 0.230 | <1    | 2.47  | 0.015 | 0.45  | 0.1   | 0.01  | 5.3   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0045 | Soil                             | 14    | 32    | 0.92  | 392   | 0.143 | 1     | 2.06  | 0.019 | 0.19  | 0.1   | 0.02  | 6.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0046 | Soil                             | 9     | 42    | 1.03  | 256   | 0.199 | <1    | 2.72  | 0.011 | 0.29  | 0.1   | 0.02  | 4.9   | 0.2   | <0.05 | 8     | 0.5   | <0.2  |
| 11TB0047 | Soil                             | 6     | 26    | 0.73  | 321   | 0.201 | <1    | 2.13  | 0.010 | 0.30  | 0.1   | 0.02  | 4.8   | 0.2   | <0.05 | 9     | 0.6   | <0.2  |
| 11TB0048 | Soil                             | 7     | 31    | 0.81  | 269   | 0.106 | 1     | 2.16  | 0.012 | 0.16  | 0.1   | 0.01  | 4.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0049 | Soil                             | 50    | 176   | 3.11  | 1462  | 0.245 | 1     | 2.72  | 0.026 | 0.26  | <0.1  | 0.02  | 6.6   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0050 | Soil                             | 32    | 103   | 1.01  | 783   | 0.078 | 1     | 2.28  | 0.014 | 0.06  | 0.1   | 0.02  | 6.3   | 0.1   | <0.05 | 8     | 0.6   | <0.2  |
| 11TB0051 | Soil                             | 14    | 38    | 0.48  | 285   | 0.054 | 1     | 2.58  | 0.009 | 0.06  | 0.2   | 0.03  | 4.6   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| 11TB0052 | Soil                             | 18    | 33    | 0.52  | 277   | 0.078 | 1     | 2.06  | 0.010 | 0.07  | 0.2   | 0.03  | 4.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0053 | Soil                             | 10    | 37    | 0.68  | 146   | 0.112 | 2     | 1.81  | 0.009 | 0.08  | 0.1   | 0.01  | 3.0   | 0.1   | <0.05 | 8     | 0.7   | <0.2  |
| 11TB0054 | Soil                             | 18    | 29    | 0.73  | 254   | 0.114 | 1     | 2.05  | 0.010 | 0.13  | 0.1   | 0.02  | 5.0   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11TB0055 | Soil                             | 9     | 25    | 0.53  | 148   | 0.114 | <1    | 1.75  | 0.015 | 0.09  | 0.1   | 0.01  | 3.2   | <0.1  | <0.05 | 8     | 0.5   | <0.2  |
| 11TB0056 | Soil                             | 12    | 36    | 0.98  | 253   | 0.146 | 1     | 2.53  | 0.012 | 0.16  | 0.1   | 0.02  | 5.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0057 | Soil                             | 8     | 51    | 1.35  | 175   | 0.149 | <1    | 3.01  | 0.009 | 0.19  | 0.1   | 0.01  | 6.1   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0058 | Soil                             | 10    | 28    | 0.80  | 168   | 0.140 | <1    | 2.08  | 0.010 | 0.18  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11TB0059 | Soil                             | 11    | 30    | 1.13  | 190   | 0.212 | <1    | 2.26  | 0.011 | 0.49  | 0.1   | 0.02  | 4.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0060 | Soil                             | 16    | 20    | 0.63  | 632   | 0.042 | 4     | 1.13  | 0.012 | 0.16  | 0.1   | 0.09  | 4.4   | <0.1  | 0.23  | 4     | 1.7   | <0.2  |
| 11TB0061 | Soil                             | 23    | 46    | 1.23  | 532   | 0.138 | 1     | 2.28  | 0.031 | 0.14  | <0.1  | 0.02  | 5.9   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11TB0062 | Soil                             | 23    | 35    | 1.08  | 679   | 0.073 | 2     | 2.22  | 0.013 | 0.20  | <0.1  | 0.03  | 7.7   | <0.1  | <0.05 | 7     | 0.7   | <0.2  |
| 11TB0063 | Soil                             | 23    | 71    | 1.36  | 476   | 0.061 | <1    | 2.36  | 0.013 | 0.15  | <0.1  | 0.03  | 8.2   | <0.1  | <0.05 | 8     | 0.5   | <0.2  |
| 11TB0064 | Soil                             | 8     | 41    | 0.89  | 269   | 0.128 | 2     | 1.82  | 0.014 | 0.11  | <0.1  | 0.02  | 3.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0065 | Soil                             | 9     | 74    | 1.73  | 412   | 0.150 | 1     | 2.49  | 0.014 | 0.17  | 0.1   | 0.01  | 7.3   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0066 | Soil                             | 9     | 64    | 2.97  | 307   | 0.233 | <1    | 3.31  | 0.015 | 0.23  | <0.1  | 0.01  | 8.2   | <0.1  | <0.05 | 12    | <0.5  | <0.2  |
| 11TB0067 | Soil                             | 33    | 32    | 0.64  | 374   | 0.133 | <1    | 1.70  | 0.010 | 0.24  | 0.1   | 0.02  | 4.6   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11TB0068 | Soil                             | 20    | 43    | 0.83  | 252   | 0.155 | <1    | 1.89  | 0.010 | 0.26  | 0.1   | <0.01 | 4.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0069 | Soil                             | 13    | 27    | 0.53  | 343   | 0.103 | 1     | 1.81  | 0.010 | 0.17  | 0.1   | 0.03  | 3.4   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11TB0070 | Soil                             | 15    | 51    | 1.15  | 435   | 0.182 | <1    | 2.58  | 0.009 | 0.38  | 0.1   | 0.01  | 7.8   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0071 | Soil                             | 27    | 56    | 0.96  | 671   | 0.134 | <1    | 2.13  | 0.010 | 0.17  | 0.1   | 0.03  | 6.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0072 | Soil                             | 10    | 77    | 2.09  | 272   | 0.199 | <1    | 2.97  | 0.010 | 0.32  | <0.1  | 0.01  | 8.0   | 0.3   | <0.05 | 10    | <0.5  | <0.2  |



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Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |     |    |      |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V   | Ca | P    |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | %  | %    |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1 | 2  | 0.01 |
| 11TB0073 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0074 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0001 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0002 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0003 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0004 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0005 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0006 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0007 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0008 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0009 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0010 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0011 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0012 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0013 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0014 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0015 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0016 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0017 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0018 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0019 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0020 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0021 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0022 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0023 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0024 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0025 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0026 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0027 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11DS0028 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |



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Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0073 | Soil                             | 9     | 39    | 0.67  | 198   | 0.094 | 4     | 2.25  | 0.009 | 0.08  | 0.2   | 0.02  | 3.2   | 0.1   | <0.05 | 7     | <0.5  | 0.2   |
| 11TB0074 | Soil                             | 10    | 42    | 0.68  | 214   | 0.090 | 3     | 2.30  | 0.008 | 0.09  | 0.2   | 0.01  | 3.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0001 | Soil                             | 14    | 24    | 1.05  | 195   | 0.173 | 1     | 2.25  | 0.008 | 0.52  | 0.1   | <0.01 | 7.0   | 0.4   | <0.05 | 8     | <0.5  | 0.3   |
| 11DS0002 | Soil                             | 13    | 26    | 0.70  | 236   | 0.117 | 2     | 1.65  | 0.011 | 0.18  | 0.2   | <0.01 | 4.2   | 0.2   | <0.05 | 7     | <0.5  | 0.3   |
| 11DS0003 | Soil                             | 10    | 37    | 0.77  | 187   | 0.127 | 2     | 2.45  | 0.017 | 0.09  | 0.1   | 0.01  | 4.6   | 0.2   | <0.05 | 7     | <0.5  | 0.2   |
| 11DS0004 | Soil                             | 13    | 36    | 0.60  | 201   | 0.089 | 2     | 2.26  | 0.009 | 0.10  | 0.1   | 0.01  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| 11DS0005 | Soil                             | 12    | 55    | 2.27  | 851   | 0.282 | <1    | 3.13  | 0.015 | 0.93  | 0.1   | <0.01 | 10.5  | 0.4   | 0.07  | 10    | <0.5  | 0.7   |
| 11DS0006 | Soil                             | 13    | 43    | 1.11  | 457   | 0.171 | 3     | 2.25  | 0.014 | 0.25  | 0.2   | 0.03  | 5.0   | 0.2   | <0.05 | 7     | 0.6   | 0.4   |
| 11DS0007 | Soil                             | 14    | 31    | 1.08  | 512   | 0.154 | 3     | 2.24  | 0.013 | 0.13  | 0.1   | <0.01 | 5.9   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| 11DS0008 | Soil                             | 13    | 28    | 1.04  | 426   | 0.191 | <1    | 2.02  | 0.025 | 0.39  | <0.1  | 0.01  | 7.2   | 0.2   | 0.16  | 7     | <0.5  | <0.2  |
| 11DS0009 | Soil                             | 10    | 73    | 1.39  | 372   | 0.127 | 2     | 2.11  | 0.017 | 0.09  | <0.1  | 0.02  | 5.4   | <0.1  | <0.05 | 7     | <0.5  | 0.2   |
| 11DS0010 | Soil                             | 32    | 143   | 1.86  | 921   | 0.184 | 3     | 2.23  | 0.024 | 0.07  | <0.1  | 0.03  | 6.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0011 | Soil                             | 13    | 45    | 0.84  | 201   | 0.095 | 2     | 2.02  | 0.009 | 0.10  | 0.1   | <0.01 | 5.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0012 | Soil                             | 8     | 24    | 0.39  | 122   | 0.135 | 1     | 1.14  | 0.008 | 0.17  | 0.2   | <0.01 | 2.7   | 0.1   | <0.05 | 8     | <0.5  | 0.2   |
| 11DS0013 | Soil                             | 10    | 34    | 0.46  | 198   | 0.060 | 2     | 2.02  | 0.009 | 0.08  | 0.1   | <0.01 | 3.0   | <0.1  | <0.05 | 7     | <0.5  | 0.3   |
| 11DS0014 | Soil                             | 12    | 29    | 0.79  | 198   | 0.162 | 2     | 2.03  | 0.018 | 0.31  | 0.1   | 0.02  | 5.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0015 | Soil                             | 10    | 38    | 0.89  | 188   | 0.137 | 2     | 2.66  | 0.009 | 0.11  | 0.1   | 0.02  | 4.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0016 | Soil                             | 9     | 40    | 0.72  | 228   | 0.095 | 3     | 2.30  | 0.013 | 0.08  | 0.1   | 0.01  | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0017 | Soil                             | 12    | 32    | 0.65  | 242   | 0.088 | 1     | 1.84  | 0.011 | 0.09  | 0.1   | 0.01  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0018 | Soil                             | 13    | 95    | 1.07  | 260   | 0.135 | 3     | 2.48  | 0.012 | 0.11  | <0.1  | <0.01 | 4.0   | <0.1  | <0.05 | 9     | <0.5  | 0.2   |
| 11DS0019 | Soil                             | 17    | 34    | 0.88  | 333   | 0.149 | <1    | 2.14  | 0.010 | 0.25  | <0.1  | 0.02  | 6.9   | 0.2   | <0.05 | 8     | <0.5  | 0.2   |
| 11DS0020 | Soil                             | 12    | 35    | 1.04  | 253   | 0.138 | 1     | 2.60  | 0.009 | 0.26  | 0.1   | 0.01  | 7.6   | 0.2   | <0.05 | 8     | <0.5  | 0.2   |
| 11DS0021 | Soil                             | 10    | 38    | 1.01  | 242   | 0.187 | <1    | 2.69  | 0.009 | 0.37  | 0.2   | 0.02  | 7.9   | 0.2   | <0.05 | 8     | 0.8   | <0.2  |
| 11DS0022 | Soil                             | 10    | 25    | 2.02  | 154   | 0.108 | 1     | 2.45  | 0.009 | 0.22  | <0.1  | <0.01 | 9.6   | <0.1  | <0.05 | 9     | <0.5  | 0.2   |
| 11DS0023 | Soil                             | 12    | 22    | 1.67  | 461   | 0.241 | 2     | 2.90  | 0.011 | 0.63  | <0.1  | <0.01 | 3.8   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS0024 | Soil                             | 39    | 13    | 1.21  | 789   | 0.135 | <1    | 2.27  | 0.008 | 0.49  | 0.1   | 0.02  | 5.7   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0025 | Soil                             | 18    | 37    | 0.64  | 330   | 0.074 | 2     | 1.78  | 0.010 | 0.17  | <0.1  | <0.01 | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0026 | Soil                             | 18    | 16    | 0.69  | 248   | 0.174 | 1     | 1.72  | 0.007 | 0.41  | <0.1  | <0.01 | 5.5   | 0.2   | <0.05 | 6     | <0.5  | 0.2   |
| 11DS0027 | Soil                             | 9     | 35    | 0.94  | 335   | 0.121 | 2     | 2.27  | 0.014 | 0.27  | 0.1   | 0.01  | 4.9   | 0.1   | <0.05 | 8     | <0.5  | 0.2   |
| 11DS0028 | Soil                             | 12    | 22    | 0.76  | 208   | 0.106 | 2     | 2.14  | 0.013 | 0.23  | <0.1  | <0.01 | 7.6   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |





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Vancouver BC V6E 3T5 Canada

Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11DS0029 | Soil | 0.4                              | 53.7  | 31.7  | 173   | <0.1  | 13.0  | 8.6   | 736   | 4.03  | 4.9   | 0.6   | 7.1   | 3.8   | 14    | 0.1   | 0.2   | <0.1  | 51    | 0.23  | 0.052 |      |
| 11DS0030 | Soil | 0.4                              | 40.5  | 11.6  | 102   | <0.1  | 23.5  | 16.2  | 510   | 3.89  | 2.9   | 0.5   | <0.5  | 2.8   | 16    | 0.2   | 0.2   | <0.1  | 102   | 0.50  | 0.143 |      |
| 11DS0031 | Soil | 0.9                              | 35.3  | 12.1  | 95    | <0.1  | 18.3  | 15.7  | 745   | 4.28  | 6.2   | 0.3   | 2.6   | 2.1   | 14    | 0.1   | 0.4   | 0.1   | 105   | 0.20  | 0.055 |      |
| 11DS0032 | Soil | 0.6                              | 49.1  | 2.9   | 77    | <0.1  | 31.1  | 19.6  | 411   | 3.59  | 2.8   | 0.3   | <0.5  | 1.7   | 10    | <0.1  | 0.1   | <0.1  | 140   | 0.31  | 0.096 |      |
| 11DS0033 | Soil | 0.8                              | 31.7  | 6.4   | 73    | <0.1  | 20.2  | 20.3  | 643   | 3.70  | 4.6   | 0.5   | 3.7   | 2.1   | 14    | 0.1   | 0.3   | <0.1  | 112   | 0.35  | 0.115 |      |
| 11DS0034 | Soil | 1.0                              | 22.1  | 7.9   | 47    | <0.1  | 29.7  | 11.0  | 257   | 2.51  | 5.4   | 0.3   | 1.7   | 1.5   | 15    | <0.1  | 0.3   | 0.1   | 65    | 0.24  | 0.031 |      |
| 11DS0035 | Soil | 2.4                              | 26.0  | 16.1  | 77    | 0.1   | 139.4 | 25.0  | 1048  | 4.31  | 5.7   | 1.2   | 4.1   | 8.8   | 86    | 0.2   | 0.3   | 0.2   | 84    | 0.90  | 0.284 |      |
| 11DS0036 | Soil | 1.4                              | 19.1  | 9.7   | 81    | <0.1  | 63.6  | 15.7  | 752   | 4.34  | 8.6   | 0.7   | 2.3   | 4.3   | 24    | <0.1  | 0.3   | 0.2   | 82    | 0.31  | 0.145 |      |
| 11DS0037 | Soil | 1.9                              | 13.6  | 11.5  | 60    | <0.1  | 25.8  | 9.8   | 872   | 3.08  | 7.1   | 0.4   | 5.1   | 1.4   | 13    | 0.2   | 0.3   | 0.2   | 78    | 0.16  | 0.097 |      |
| 11DS0038 | Soil | 1.5                              | 19.0  | 9.4   | 63    | <0.1  | 20.7  | 8.9   | 315   | 3.55  | 8.3   | 0.6   | 3.6   | 4.5   | 13    | <0.1  | 0.4   | 0.2   | 80    | 0.15  | 0.030 |      |
| 11DS0039 | Soil | 1.1                              | 27.4  | 8.9   | 71    | <0.1  | 37.7  | 14.0  | 481   | 3.49  | 7.2   | 0.9   | 4.4   | 5.2   | 22    | <0.1  | 0.4   | 0.2   | 80    | 0.25  | 0.035 |      |
| 11DS0040 | Soil | 0.8                              | 21.1  | 10.0  | 60    | <0.1  | 23.6  | 10.7  | 334   | 3.10  | 8.4   | 0.5   | 8.0   | 4.8   | 15    | <0.1  | 0.5   | 0.2   | 71    | 0.15  | 0.019 |      |
| 11DS0041 | Soil | 1.4                              | 12.6  | 11.5  | 63    | <0.1  | 12.9  | 9.6   | 617   | 3.34  | 6.3   | 0.4   | 3.2   | 1.8   | 10    | 0.1   | 0.3   | 0.2   | 89    | 0.12  | 0.070 |      |
| 11DS0042 | Soil | 1.9                              | 18.4  | 10.4  | 62    | 0.1   | 17.7  | 8.8   | 317   | 3.22  | 9.5   | 0.6   | 7.0   | 2.9   | 12    | 0.2   | 0.5   | 0.2   | 78    | 0.11  | 0.044 |      |
| 11DS0043 | Soil | 1.0                              | 22.6  | 9.0   | 74    | <0.1  | 25.4  | 12.8  | 398   | 3.76  | 8.8   | 0.5   | 1.5   | 4.4   | 15    | <0.1  | 0.5   | 0.2   | 83    | 0.16  | 0.025 |      |
| 11DS0044 | Soil | 1.3                              | 16.0  | 9.8   | 63    | <0.1  | 19.1  | 8.6   | 264   | 3.19  | 8.5   | 0.5   | 12.0  | 3.0   | 14    | <0.1  | 0.4   | 0.2   | 74    | 0.16  | 0.025 |      |
| 11DS0045 | Soil | 1.3                              | 18.9  | 7.2   | 81    | <0.1  | 17.9  | 14.0  | 646   | 3.31  | 5.3   | 0.5   | 3.2   | 3.7   | 15    | <0.1  | 0.3   | 0.1   | 77    | 0.21  | 0.038 |      |
| 11DS0046 | Soil | 1.5                              | 17.3  | 8.1   | 77    | <0.1  | 15.1  | 12.2  | 728   | 3.34  | 5.8   | 0.5   | 1.4   | 2.9   | 13    | <0.1  | 0.3   | 0.2   | 83    | 0.17  | 0.044 |      |
| 11DS0047 | Soil | 1.3                              | 15.6  | 8.9   | 75    | <0.1  | 14.2  | 10.4  | 445   | 3.67  | 7.3   | 0.4   | 3.1   | 2.2   | 13    | <0.1  | 0.3   | 0.2   | 96    | 0.17  | 0.048 |      |
| 11DS0048 | Soil | 1.3                              | 20.6  | 8.7   | 73    | <0.1  | 17.7  | 9.9   | 502   | 3.11  | 6.7   | 0.6   | 3.3   | 3.7   | 16    | <0.1  | 0.3   | 0.2   | 74    | 0.21  | 0.042 |      |
| 11DS0049 | Soil | 1.2                              | 15.4  | 7.6   | 86    | <0.1  | 16.0  | 10.2  | 546   | 3.28  | 6.1   | 0.5   | 1.8   | 3.0   | 15    | <0.1  | 0.3   | 0.1   | 76    | 0.20  | 0.041 |      |
| 11DS0050 | Soil | 1.2                              | 16.6  | 7.9   | 79    | <0.1  | 17.6  | 10.9  | 483   | 3.39  | 6.2   | 0.5   | 1.2   | 3.3   | 16    | <0.1  | 0.3   | 0.1   | 81    | 0.22  | 0.038 |      |
| 11DS0051 | Soil | 0.6                              | 19.5  | 5.2   | 105   | <0.1  | 19.5  | 17.2  | 556   | 4.23  | 3.8   | 0.3   | <0.5  | 2.0   | 9     | <0.1  | 0.2   | <0.1  | 111   | 0.17  | 0.037 |      |
| 11DS0052 | Soil | 0.8                              | 18.3  | 6.1   | 76    | <0.1  | 16.5  | 11.7  | 402   | 3.28  | 4.0   | 0.6   | 1.6   | 3.7   | 28    | <0.1  | 0.3   | <0.1  | 58    | 0.44  | 0.086 |      |
| 11DS0053 | Soil | 0.5                              | 14.5  | 7.5   | 79    | <0.1  | 8.9   | 7.8   | 451   | 3.28  | 1.4   | 0.6   | <0.5  | 7.5   | 9     | <0.1  | 0.1   | <0.1  | 31    | 0.24  | 0.055 |      |
| 11DS0054 | Soil | 0.9                              | 16.7  | 5.7   | 63    | <0.1  | 13.4  | 10.5  | 598   | 2.68  | 3.0   | 1.0   | 14.3  | 4.2   | 37    | 0.1   | 0.2   | <0.1  | 35    | 1.00  | 0.068 |      |
| 11DS0055 | Soil | 1.2                              | 61.3  | 10.3  | 67    | <0.1  | 21.1  | 21.5  | 480   | 4.02  | 4.6   | 0.7   | 6.5   | 4.1   | 22    | <0.1  | 0.2   | <0.1  | 101   | 0.52  | 0.055 |      |
| 11DS0056 | Soil | 0.9                              | 113.3 | 9.0   | 87    | <0.1  | 28.6  | 22.8  | 668   | 5.01  | 3.6   | 0.7   | 12.6  | 2.8   | 27    | <0.1  | 0.2   | <0.1  | 104   | 0.66  | 0.135 |      |
| 11DS0057 | Soil | 1.0                              | 26.1  | 9.2   | 87    | <0.1  | 10.7  | 13.2  | 753   | 3.74  | 2.3   | 0.8   | 8.5   | 5.1   | 16    | <0.1  | 0.2   | 0.2   | 46    | 0.35  | 0.076 |      |
| 11DS0058 | Soil | 2.8                              | 30.4  | 8.7   | 82    | <0.1  | 22.9  | 14.6  | 584   | 3.95  | 4.5   | 0.7   | 8.8   | 3.4   | 17    | 0.1   | 0.2   | 0.2   | 63    | 0.36  | 0.067 |      |



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Project: None Given  
Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0029 | Soil                             | 27    | 18    | 0.74  | 284   | 0.168 | <1    | 1.82  | 0.009 | 0.44  | <0.1  | <0.01 | 7.7   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0030 | Soil                             | 11    | 34    | 1.45  | 375   | 0.261 | 1     | 2.28  | 0.024 | 0.37  | <0.1  | <0.01 | 3.8   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS0031 | Soil                             | 6     | 33    | 1.34  | 325   | 0.187 | 1     | 2.48  | 0.010 | 0.56  | <0.1  | 0.01  | 8.4   | 0.3   | <0.05 | 9     | <0.5  | 0.2   |
| 11DS0032 | Soil                             | 6     | 73    | 1.56  | 240   | 0.182 | <1    | 2.15  | 0.018 | 0.62  | <0.1  | <0.01 | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0033 | Soil                             | 7     | 53    | 1.72  | 196   | 0.127 | <1    | 2.37  | 0.017 | 0.34  | <0.1  | 0.03  | 6.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0034 | Soil                             | 5     | 58    | 0.93  | 122   | 0.106 | 4     | 1.87  | 0.014 | 0.06  | <0.1  | <0.01 | 2.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0035 | Soil                             | 43    | 138   | 1.11  | 1270  | 0.048 | 4     | 1.77  | 0.014 | 0.10  | <0.1  | 0.01  | 6.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0036 | Soil                             | 16    | 81    | 0.74  | 340   | 0.060 | 3     | 2.21  | 0.008 | 0.08  | <0.1  | 0.02  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0037 | Soil                             | 11    | 44    | 0.45  | 169   | 0.073 | 3     | 1.32  | 0.012 | 0.09  | <0.1  | 0.01  | 2.9   | <0.1  | <0.05 | 7     | <0.5  | 0.3   |
| 11DS0038 | Soil                             | 11    | 35    | 0.66  | 211   | 0.109 | 2     | 2.40  | 0.008 | 0.11  | 0.1   | <0.01 | 5.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0039 | Soil                             | 22    | 59    | 0.97  | 390   | 0.137 | 3     | 2.42  | 0.009 | 0.12  | <0.1  | 0.03  | 7.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0040 | Soil                             | 11    | 38    | 0.73  | 191   | 0.110 | 3     | 2.17  | 0.010 | 0.08  | <0.1  | 0.01  | 4.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0041 | Soil                             | 7     | 30    | 0.68  | 117   | 0.156 | 4     | 1.79  | 0.012 | 0.15  | 0.1   | <0.01 | 3.9   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0042 | Soil                             | 9     | 37    | 0.49  | 151   | 0.081 | 3     | 2.12  | 0.008 | 0.06  | 0.1   | <0.01 | 3.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0043 | Soil                             | 10    | 42    | 0.90  | 198   | 0.135 | 2     | 2.74  | 0.011 | 0.13  | 0.1   | 0.01  | 5.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0044 | Soil                             | 9     | 34    | 0.59  | 175   | 0.097 | 2     | 2.10  | 0.007 | 0.08  | <0.1  | 0.01  | 3.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0045 | Soil                             | 13    | 35    | 1.00  | 210   | 0.151 | 2     | 2.15  | 0.009 | 0.19  | 0.1   | <0.01 | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0046 | Soil                             | 12    | 31    | 0.86  | 209   | 0.143 | <1    | 2.06  | 0.009 | 0.24  | 0.1   | <0.01 | 4.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0047 | Soil                             | 8     | 27    | 0.89  | 158   | 0.175 | 2     | 2.07  | 0.008 | 0.27  | 0.1   | <0.01 | 4.6   | 0.2   | <0.05 | 9     | <0.5  | 0.3   |
| 11DS0048 | Soil                             | 14    | 32    | 0.72  | 204   | 0.135 | 3     | 2.00  | 0.009 | 0.18  | 0.1   | <0.01 | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0049 | Soil                             | 11    | 30    | 0.80  | 205   | 0.152 | 1     | 1.97  | 0.008 | 0.19  | 0.1   | 0.01  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0050 | Soil                             | 10    | 31    | 0.79  | 203   | 0.151 | 2     | 2.22  | 0.009 | 0.20  | 0.2   | <0.01 | 4.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0051 | Soil                             | 6     | 60    | 2.00  | 222   | 0.270 | <1    | 3.22  | 0.022 | 0.58  | <0.1  | <0.01 | 6.1   | 0.2   | <0.05 | 11    | <0.5  | <0.2  |
| 11DS0052 | Soil                             | 11    | 22    | 0.98  | 315   | 0.120 | 2     | 1.90  | 0.011 | 0.26  | <0.1  | <0.01 | 2.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0053 | Soil                             | 13    | 17    | 0.80  | 292   | 0.108 | <1    | 1.64  | 0.006 | 0.49  | <0.1  | <0.01 | 3.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0054 | Soil                             | 19    | 18    | 0.59  | 643   | 0.052 | 2     | 1.29  | 0.011 | 0.22  | <0.1  | 0.02  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0055 | Soil                             | 14    | 34    | 1.36  | 529   | 0.192 | 4     | 2.43  | 0.020 | 0.45  | <0.1  | <0.01 | 5.3   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0056 | Soil                             | 12    | 52    | 1.39  | 681   | 0.076 | 1     | 2.46  | 0.021 | 0.21  | <0.1  | <0.01 | 11.6  | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0057 | Soil                             | 19    | 15    | 0.79  | 558   | 0.015 | 1     | 1.90  | 0.006 | 0.15  | <0.1  | 0.01  | 5.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0058 | Soil                             | 12    | 30    | 1.02  | 401   | 0.047 | <1    | 2.05  | 0.008 | 0.20  | <0.1  | <0.01 | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |



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Project: None Given

Report Date: July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| 11DS0059 | Soil                             | 2.8   | 47.7  | 10.6  | 96    | 0.3   | 31.8  | 16.0  | 830   | 4.03  | 4.8   | 1.4   | 62.7  | 4.2   | 24    | 0.2   | 0.3   | 0.1   | 93    | 0.42  | 0.070 |
| 11DS0060 | Soil                             | 2.5   | 17.9  | 12.3  | 78    | 0.1   | 15.7  | 13.2  | 959   | 3.80  | 4.4   | 0.7   | 60.9  | 3.6   | 15    | 0.3   | 0.4   | 0.1   | 57    | 0.33  | 0.058 |
| 11DS0061 | Soil                             | 2.9   | 19.8  | 11.0  | 81    | 0.1   | 15.3  | 12.8  | 919   | 3.95  | 4.1   | 0.7   | 82.8  | 3.8   | 16    | 0.3   | 0.3   | 0.1   | 59    | 0.34  | 0.057 |
| 11DS0062 | Soil                             | 1.6   | 22.9  | 20.3  | 70    | 0.1   | 28.7  | 14.0  | 1066  | 3.11  | 6.0   | 0.6   | 10.3  | 3.1   | 22    | 0.2   | 0.5   | 0.2   | 75    | 0.37  | 0.024 |
| 11DS0063 | Soil                             | 0.8   | 39.1  | 9.2   | 76    | 0.1   | 58.5  | 17.0  | 734   | 3.47  | 6.7   | 0.6   | 121.4 | 4.1   | 50    | 0.2   | 0.4   | 0.1   | 83    | 0.76  | 0.134 |
| 11DS0064 | Soil                             | 1.1   | 40.4  | 14.1  | 73    | <0.1  | 32.2  | 16.7  | 701   | 3.81  | 4.3   | 0.4   | 9.5   | 1.7   | 19    | 0.3   | 0.3   | <0.1  | 93    | 0.48  | 0.059 |
| 11DS0065 | Soil                             | 0.9   | 48.5  | 9.4   | 109   | <0.1  | 28.2  | 20.0  | 1090  | 5.33  | 3.8   | 0.6   | 13.1  | 3.1   | 19    | 0.2   | 0.3   | <0.1  | 110   | 0.53  | 0.103 |
| 11DS0066 | Soil                             | 0.8   | 29.0  | 12.4  | 79    | <0.1  | 27.6  | 13.3  | 402   | 3.44  | 5.6   | 0.5   | 4.4   | 2.7   | 20    | <0.1  | 0.3   | 0.1   | 80    | 0.33  | 0.054 |
| 11DS0067 | Soil                             | 0.5   | 50.2  | 6.4   | 114   | <0.1  | 16.3  | 15.1  | 720   | 4.15  | 2.4   | 0.4   | <0.5  | 2.6   | 19    | 0.1   | 0.1   | <0.1  | 101   | 0.45  | 0.128 |
| 11DS0068 | Soil                             | 0.8   | 29.0  | 8.5   | 93    | <0.1  | 18.5  | 17.0  | 799   | 4.13  | 4.7   | 0.3   | 0.8   | 1.9   | 17    | <0.1  | 0.2   | 0.1   | 116   | 0.34  | 0.082 |
| 11DS0069 | Soil                             | 2.7   | 12.8  | 11.2  | 90    | <0.1  | 26.1  | 10.0  | 605   | 3.93  | 3.2   | 0.5   | 2.2   | 4.1   | 15    | <0.1  | 0.2   | 0.3   | 68    | 0.19  | 0.041 |
| 11DS0070 | Soil                             | 1.3   | 14.8  | 11.3  | 53    | 0.1   | 22.0  | 8.7   | 639   | 3.04  | 6.5   | 0.4   | <0.5  | 2.7   | 19    | <0.1  | 0.4   | 0.2   | 72    | 0.23  | 0.057 |
| 11DS0071 | Soil                             | 0.9   | 30.2  | 8.1   | 88    | <0.1  | 64.1  | 17.8  | 431   | 4.47  | 5.8   | 0.7   | 1.8   | 4.1   | 11    | <0.1  | 0.3   | 0.2   | 90    | 0.15  | 0.065 |
| 11DS0072 | Soil                             | 1.3   | 28.5  | 11.5  | 68    | 0.1   | 24.2  | 9.7   | 405   | 3.15  | 7.6   | 0.8   | 1.2   | 3.9   | 17    | 0.1   | 0.4   | 0.2   | 67    | 0.19  | 0.038 |
| 11DS0073 | Soil                             | 1.8   | 13.9  | 11.5  | 60    | 0.1   | 15.4  | 7.3   | 261   | 3.81  | 11.4  | 0.5   | 1.6   | 2.1   | 14    | 0.2   | 0.5   | 0.2   | 89    | 0.14  | 0.073 |



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**Project:** None Given  
**Report Date:** July 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000260.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.01  | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0059 | Soil                             | 23    | 43    | 1.00  | 549   | 0.077 | 2     | 1.90  | 0.012 | 0.23  | <0.1  | 0.05  | 15.8  | <0.1  | <0.05 | 7     | <0.5  | 2.5   |
| 11DS0060 | Soil                             | 12    | 27    | 0.55  | 391   | 0.041 | <1    | 1.52  | 0.011 | 0.14  | <0.1  | 0.02  | 11.8  | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0061 | Soil                             | 11    | 24    | 0.58  | 399   | 0.036 | 1     | 1.57  | 0.008 | 0.13  | <0.1  | 0.02  | 12.7  | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11DS0062 | Soil                             | 11    | 47    | 0.64  | 451   | 0.075 | <1    | 1.87  | 0.014 | 0.09  | <0.1  | 0.02  | 5.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0063 | Soil                             | 20    | 83    | 1.42  | 532   | 0.115 | 1     | 1.91  | 0.020 | 0.09  | 0.1   | 0.04  | 8.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0064 | Soil                             | 8     | 63    | 1.20  | 343   | 0.101 | 2     | 2.18  | 0.019 | 0.12  | <0.1  | 0.01  | 8.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0065 | Soil                             | 16    | 45    | 1.22  | 421   | 0.096 | <1    | 2.16  | 0.016 | 0.23  | <0.1  | 0.01  | 14.5  | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0066 | Soil                             | 8     | 53    | 1.18  | 288   | 0.165 | 1     | 2.13  | 0.015 | 0.27  | <0.1  | <0.01 | 5.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0067 | Soil                             | 7     | 33    | 1.66  | 457   | 0.284 | <1    | 2.44  | 0.017 | 1.00  | <0.1  | <0.01 | 6.5   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0068 | Soil                             | 5     | 36    | 1.55  | 392   | 0.237 | <1    | 2.40  | 0.014 | 0.85  | 0.2   | <0.01 | 5.0   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0069 | Soil                             | 11    | 47    | 0.92  | 288   | 0.142 | 1     | 2.03  | 0.008 | 0.37  | 0.1   | 0.02  | 5.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0070 | Soil                             | 10    | 37    | 0.62  | 363   | 0.091 | 1     | 1.73  | 0.009 | 0.11  | 0.2   | 0.02  | 3.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0071 | Soil                             | 14    | 91    | 1.26  | 210   | 0.133 | 1     | 2.57  | 0.008 | 0.17  | 0.1   | 0.03  | 6.6   | 0.2   | <0.05 | 7     | 0.5   | <0.2  |
| 11DS0072 | Soil                             | 11    | 39    | 0.73  | 298   | 0.100 | 2     | 2.16  | 0.009 | 0.12  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0073 | Soil                             | 8     | 32    | 0.52  | 165   | 0.086 | <1    | 1.90  | 0.007 | 0.10  | 0.2   | 0.03  | 2.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |



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Project: None Given  
Report Date: July 04, 2011

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## QUALITY CONTROL REPORT

WHI11000260.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|                 |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
| Pulp Duplicates |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB0034        | Soil                             | 0.8   | 47.9  | 7.0   | 81    | <0.1  | 19.4  | 14.5  | 490   | 3.69  | 5.7   | 0.4   | 1.6   | 2.1   | 16    | <0.1  | 0.4   | <0.1  | 100   | 0.33  |
| REP 11CB0034    | QC                               | 0.5   | 49.8  | 7.4   | 85    | <0.1  | 19.2  | 14.9  | 494   | 3.83  | 5.8   | 0.4   | <0.5  | 2.2   | 17    | 0.2   | 0.4   | <0.1  | 103   | 0.32  |
| 11CB0042        | Soil                             | 1.0   | 35.2  | 8.6   | 71    | <0.1  | 30.4  | 16.4  | 447   | 4.17  | 10.0  | 0.5   | 2.5   | 2.8   | 20    | <0.1  | 0.4   | 0.2   | 109   | 0.28  |
| REP 11CB0042    | QC                               | 1.1   | 35.0  | 8.2   | 71    | <0.1  | 30.9  | 15.9  | 441   | 4.14  | 10.3  | 0.5   | 3.6   | 2.9   | 21    | <0.1  | 0.5   | 0.2   | 109   | 0.28  |
| 11CB0064        | Soil                             | 3.0   | 24.1  | 11.6  | 76    | 0.1   | 16.0  | 10.9  | 745   | 3.77  | 5.8   | 1.1   | 8.2   | 5.6   | 30    | 0.3   | 0.2   | 0.1   | 54    | 0.48  |
| REP 11CB0064    | QC                               | 3.2   | 25.9  | 13.9  | 81    | 0.1   | 17.0  | 11.3  | 794   | 4.00  | 6.4   | 1.1   | 6.5   | 5.7   | 32    | 0.6   | 0.2   | 0.2   | 57    | 0.47  |
| 11NG0007        | Soil                             | 0.6   | 18.3  | 6.7   | 108   | <0.1  | 14.9  | 16.8  | 603   | 4.50  | 4.3   | 0.4   | <0.5  | 3.5   | 14    | <0.1  | 0.4   | <0.1  | 91    | 0.24  |
| REP 11NG0007    | QC                               | 0.6   | 18.5  | 7.0   | 108   | <0.1  | 14.6  | 16.9  | 615   | 4.58  | 4.7   | 0.4   | <0.5  | 3.5   | 14    | <0.1  | 0.4   | 0.1   | 95    | 0.25  |
| 11NG0020        | Soil                             | 1.2   | 22.3  | 9.1   | 73    | <0.1  | 14.0  | 9.5   | 376   | 2.91  | 4.9   | 0.4   | 8.2   | 1.5   | 13    | 0.1   | 0.3   | 0.1   | 72    | 0.20  |
| REP 11NG0020    | QC                               | 1.4   | 22.0  | 9.4   | 73    | <0.1  | 13.9  | 9.8   | 381   | 2.93  | 5.0   | 0.4   | <0.5  | 1.6   | 13    | <0.1  | 0.3   | 0.1   | 73    | 0.20  |
| 11NG0040        | Soil                             | 0.7   | 35.6  | 10.1  | 71    | <0.1  | 53.2  | 14.0  | 463   | 3.35  | 7.0   | 1.6   | 10.2  | 6.1   | 53    | <0.1  | 0.4   | 0.2   | 78    | 0.51  |
| REP 11NG0040    | QC                               | 1.0   | 34.7  | 10.1  | 68    | <0.1  | 51.6  | 14.1  | 467   | 3.40  | 7.2   | 1.6   | 10.4  | 6.3   | 54    | <0.1  | 0.5   | 0.2   | 79    | 0.52  |
| 11NG0051        | Soil                             | 1.5   | 23.0  | 9.8   | 62    | 0.2   | 18.8  | 12.7  | 532   | 3.10  | 7.5   | 0.8   | 2.4   | 3.1   | 35    | 0.3   | 0.4   | 0.2   | 72    | 0.52  |
| REP 11NG0051    | QC                               | 1.3   | 22.7  | 9.9   | 64    | <0.1  | 19.2  | 12.6  | 525   | 3.07  | 7.0   | 0.8   | 5.1   | 3.1   | 35    | 0.1   | 0.4   | 0.1   | 72    | 0.49  |
| 11TB0014        | Soil                             | 1.6   | 14.8  | 10.3  | 62    | 0.2   | 15.8  | 6.8   | 415   | 2.54  | 4.5   | 0.6   | 7.4   | 2.8   | 20    | <0.1  | 0.3   | 0.2   | 60    | 0.30  |
| REP 11TB0014    | QC                               | 1.7   | 16.2  | 10.5  | 65    | 0.3   | 17.5  | 7.6   | 444   | 2.71  | 4.8   | 0.6   | 3.8   | 2.7   | 21    | 0.1   | 0.3   | 0.2   | 62    | 0.32  |
| 11TB0023        | Soil                             | 0.8   | 11.3  | 6.9   | 99    | <0.1  | 16.2  | 19.1  | 950   | 4.45  | 4.8   | 0.4   | 1.0   | 2.4   | 26    | <0.1  | 0.3   | 0.2   | 98    | 0.48  |
| REP 11TB0023    | QC                               | 0.6   | 11.2  | 7.0   | 98    | <0.1  | 15.7  | 18.7  | 922   | 4.28  | 4.6   | 0.3   | 1.1   | 2.4   | 25    | <0.1  | 0.3   | 0.2   | 93    | 0.45  |
| 11TB0039        | Soil                             | 0.8   | 35.2  | 12.0  | 62    | <0.1  | 32.1  | 10.8  | 334   | 3.17  | 5.6   | 0.5   | 5.4   | 3.2   | 23    | <0.1  | 0.8   | 0.1   | 92    | 0.27  |
| REP 11TB0039    | QC                               | 0.8   | 36.7  | 12.6  | 63    | <0.1  | 33.3  | 11.1  | 328   | 3.15  | 5.3   | 0.5   | 5.2   | 3.0   | 24    | <0.1  | 0.7   | 0.1   | 92    | 0.27  |
| 11TB0064        | Soil                             | 1.1   | 22.3  | 8.5   | 70    | 0.1   | 24.0  | 12.3  | 505   | 3.24  | 6.1   | 0.4   | 0.9   | 2.1   | 21    | 0.2   | 0.4   | 0.1   | 79    | 0.37  |
| REP 11TB0064    | QC                               | 1.1   | 21.9  | 8.6   | 71    | 0.1   | 23.6  | 12.1  | 482   | 3.07  | 6.3   | 0.4   | 0.7   | 2.0   | 20    | 0.2   | 0.4   | 0.1   | 76    | 0.35  |
| 11TB0074        | Soil                             | 1.3   | 20.5  | 9.9   | 60    | 0.2   | 24.0  | 11.0  | 320   | 3.77  | 11.1  | 0.5   | 1.8   | 3.2   | 14    | <0.1  | 0.7   | 0.2   | 76    | 0.14  |
| REP 11TB0074    | QC                               | 1.2   | 20.9  | 10.1  | 60    | 0.2   | 24.6  | 10.5  | 333   | 3.85  | 11.1  | 0.5   | 1.2   | 3.2   | 14    | <0.1  | 0.7   | 0.2   | 78    | 0.14  |
| 11DS0021        | Soil                             | 1.0   | 29.5  | 7.1   | 89    | <0.1  | 20.5  | 16.5  | 609   | 4.24  | 6.2   | 0.7   | 3.6   | 4.4   | 11    | <0.1  | 0.4   | 0.1   | 95    | 0.12  |
| REP 11DS0021    | QC                               | 1.0   | 29.3  | 6.7   | 86    | <0.1  | 20.5  | 16.3  | 595   | 4.17  | 6.0   | 0.7   | 219.2 | 4.2   | 11    | <0.1  | 0.5   | 0.1   | 92    | 0.13  |
| 11DS0041        | Soil                             | 1.4   | 12.6  | 11.5  | 63    | <0.1  | 12.9  | 9.6   | 617   | 3.34  | 6.3   | 0.4   | 3.2   | 1.8   | 10    | 0.1   | 0.3   | 0.2   | 89    | 0.12  |
| REP 11DS0041    | QC                               | 1.6   | 13.3  | 11.8  | 62    | <0.1  | 13.6  | 10.0  | 616   | 3.33  | 6.4   | 0.4   | 3.7   | 1.9   | 10    | <0.1  | 0.3   | 0.2   | 87    | 0.11  |



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Project: None Given

Report Date: July 04, 2011

Page: 1 of 3 Part 2

## QUALITY CONTROL REPORT

WHI11000260.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                 |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                 |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11CB0034        | Soil                             | 6     | 35    | 1.11  | 287   | 0.141 | <1    | 2.38  | 0.021 | 0.40  | <0.1  | 0.02  | 5.6   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| REP 11CB0034    | QC                               | 6     | 36    | 1.14  | 294   | 0.148 | <1    | 2.42  | 0.022 | 0.42  | 0.1   | 0.02  | 5.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0042        | Soil                             | 9     | 56    | 1.17  | 244   | 0.166 | <1    | 2.64  | 0.013 | 0.20  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11CB0042    | QC                               | 9     | 55    | 1.16  | 254   | 0.166 | 1     | 2.59  | 0.013 | 0.19  | 0.1   | 0.02  | 4.7   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11CB0064        | Soil                             | 18    | 27    | 0.78  | 547   | 0.025 | <1    | 1.93  | 0.009 | 0.17  | <0.1  | 0.02  | 5.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| REP 11CB0064    | QC                               | 19    | 27    | 0.77  | 577   | 0.027 | 2     | 1.94  | 0.008 | 0.19  | <0.1  | 0.02  | 5.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0007        | Soil                             | 9     | 27    | 1.81  | 267   | 0.177 | <1    | 3.00  | 0.012 | 0.21  | 0.1   | <0.01 | 6.6   | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| REP 11NG0007    | QC                               | 9     | 27    | 1.75  | 271   | 0.183 | <1    | 2.95  | 0.011 | 0.20  | 0.1   | <0.01 | 6.5   | 0.1   | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0020        | Soil                             | 8     | 28    | 0.80  | 150   | 0.137 | <1    | 1.87  | 0.014 | 0.17  | <0.1  | <0.01 | 3.4   | 0.1   | 0.05  | 8     | <0.5  | <0.2  |
| REP 11NG0020    | QC                               | 8     | 29    | 0.79  | 152   | 0.136 | <1    | 1.87  | 0.013 | 0.17  | <0.1  | <0.01 | 3.6   | 0.1   | 0.06  | 8     | <0.5  | <0.2  |
| 11NG0040        | Soil                             | 27    | 83    | 1.31  | 601   | 0.149 | 2     | 2.05  | 0.022 | 0.08  | 0.2   | 0.04  | 7.0   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| REP 11NG0040    | QC                               | 27    | 83    | 1.32  | 607   | 0.148 | <1    | 2.02  | 0.018 | 0.08  | 0.1   | 0.03  | 6.7   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| 11NG0051        | Soil                             | 13    | 31    | 0.65  | 361   | 0.086 | 1     | 1.85  | 0.017 | 0.06  | 0.2   | 0.03  | 4.9   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| REP 11NG0051    | QC                               | 14    | 30    | 0.64  | 358   | 0.088 | 2     | 1.86  | 0.018 | 0.07  | 0.2   | 0.03  | 4.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0014        | Soil                             | 14    | 27    | 0.54  | 320   | 0.095 | 1     | 1.70  | 0.011 | 0.08  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| REP 11TB0014    | QC                               | 14    | 29    | 0.55  | 347   | 0.096 | 1     | 1.74  | 0.011 | 0.08  | 0.1   | 0.02  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0023        | Soil                             | 7     | 23    | 1.71  | 368   | 0.255 | 2     | 2.90  | 0.013 | 0.96  | <0.1  | <0.01 | 3.2   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0023    | QC                               | 7     | 21    | 1.69  | 358   | 0.236 | 2     | 2.77  | 0.013 | 0.92  | 0.1   | 0.01  | 3.1   | 0.3   | <0.05 | 7     | 0.5   | <0.2  |
| 11TB0039        | Soil                             | 9     | 62    | 1.21  | 419   | 0.170 | <1    | 1.91  | 0.013 | 0.23  | 0.1   | <0.01 | 4.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0039    | QC                               | 9     | 63    | 1.14  | 426   | 0.169 | 1     | 1.81  | 0.018 | 0.23  | 0.1   | <0.01 | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0064        | Soil                             | 8     | 41    | 0.89  | 269   | 0.128 | 2     | 1.82  | 0.014 | 0.11  | <0.1  | 0.02  | 3.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0064    | QC                               | 8     | 41    | 0.86  | 264   | 0.122 | 1     | 1.79  | 0.014 | 0.10  | 0.1   | <0.01 | 3.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0074        | Soil                             | 10    | 42    | 0.68  | 214   | 0.090 | 3     | 2.30  | 0.008 | 0.09  | 0.2   | 0.01  | 3.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0074    | QC                               | 10    | 43    | 0.69  | 214   | 0.089 | 3     | 2.33  | 0.008 | 0.10  | 0.2   | 0.02  | 3.4   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| 11DS0021        | Soil                             | 10    | 38    | 1.01  | 242   | 0.187 | <1    | 2.69  | 0.009 | 0.37  | 0.2   | 0.02  | 7.9   | 0.2   | <0.05 | 8     | 0.8   | <0.2  |
| REP 11DS0021    | QC                               | 10    | 37    | 1.01  | 242   | 0.181 | 2     | 2.70  | 0.009 | 0.36  | 0.1   | <0.01 | 7.7   | 0.2   | <0.05 | 8     | <0.5  | 0.2   |
| 11DS0041        | Soil                             | 7     | 30    | 0.68  | 117   | 0.156 | 4     | 1.79  | 0.012 | 0.15  | 0.1   | <0.01 | 3.9   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| REP 11DS0041    | QC                               | 7     | 30    | 0.68  | 113   | 0.152 | 2     | 1.81  | 0.007 | 0.15  | 0.1   | <0.01 | 4.1   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |





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Project: None Given

Report Date: July 04, 2011

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## QUALITY CONTROL REPORT

WHI11000260.1

|                     |          | 1DX15<br>Mo<br>ppm<br>0.1 | 1DX15<br>Cu<br>ppm<br>0.1 | 1DX15<br>Pb<br>ppm<br>0.1 | 1DX15<br>Zn<br>ppm<br>1 | 1DX15<br>Ag<br>ppm<br>0.1 | 1DX15<br>Ni<br>ppm<br>0.1 | 1DX15<br>Co<br>ppm<br>0.1 | 1DX15<br>Mn<br>ppm<br>1 | 1DX15<br>Fe<br>%<br>0.01 | 1DX15<br>As<br>ppm<br>0.5 | 1DX15<br>U<br>ppm<br>0.1 | 1DX15<br>Au<br>ppb<br>0.5 | 1DX15<br>Th<br>ppm<br>0.1 | 1DX15<br>Sr<br>ppm<br>1 | 1DX15<br>Cd<br>ppm<br>0.1 | 1DX15<br>Sb<br>ppm<br>0.1 | 1DX15<br>Bi<br>ppm<br>0.1 | 1DX15<br>V<br>ppm<br>2 | 1DX15<br>Ca<br>%<br>0.01 | 1DX15<br>P<br>%<br>0.001 |
|---------------------|----------|---------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|-------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|--------------------------|--------------------------|
| 11DS0061            | Soil     | 2.9                       | 19.8                      | 11.0                      | 81                      | 0.1                       | 15.3                      | 12.8                      | 919                     | 3.95                     | 4.1                       | 0.7                      | 82.8                      | 3.8                       | 16                      | 0.3                       | 0.3                       | 0.1                       | 59                     | 0.34                     | 0.057                    |
| REP 11DS0061        | QC       | 2.7                       | 19.9                      | 11.2                      | 80                      | <0.1                      | 15.6                      | 13.1                      | 930                     | 4.02                     | 4.4                       | 0.7                      | 55.8                      | 4.0                       | 16                      | 0.2                       | 0.4                       | 0.1                       | 61                     | 0.35                     | 0.059                    |
| Reference Materials |          |                           |                           |                           |                         |                           |                           |                           |                         |                          |                           |                          |                           |                           |                         |                           |                           |                           |                        |                          |                          |
| STD DS8             | Standard | 13.4                      | 113.1                     | 133.5                     | 334                     | 1.8                       | 40.1                      | 8.1                       | 623                     | 2.52                     | 28.7                      | 2.9                      | 126.9                     | 7.0                       | 72                      | 2.6                       | 6.6                       | 7.1                       | 43                     | 0.70                     | 0.086                    |
| STD DS8             | Standard | 14.1                      | 116.7                     | 134.2                     | 350                     | 1.8                       | 42.0                      | 8.2                       | 658                     | 2.66                     | 30.7                      | 2.8                      | 131.4                     | 6.9                       | 73                      | 2.7                       | 6.7                       | 7.1                       | 45                     | 0.76                     | 0.091                    |
| STD DS8             | Standard | 13.7                      | 112.0                     | 128.1                     | 327                     | 1.9                       | 40.2                      | 7.5                       | 599                     | 2.46                     | 26.0                      | 2.9                      | 134.0                     | 7.0                       | 73                      | 2.3                       | 6.1                       | 6.7                       | 43                     | 0.67                     | 0.081                    |
| STD DS8             | Standard | 14.1                      | 112.3                     | 127.9                     | 347                     | 1.8                       | 40.4                      | 8.1                       | 615                     | 2.50                     | 26.5                      | 3.1                      | 116.1                     | 7.3                       | 74                      | 2.3                       | 6.0                       | 6.7                       | 43                     | 0.71                     | 0.081                    |
| STD DS8             | Standard | 13.0                      | 109.6                     | 129.0                     | 335                     | 1.8                       | 38.9                      | 7.5                       | 641                     | 2.54                     | 26.2                      | 2.7                      | 122.0                     | 6.8                       | 69                      | 2.3                       | 6.1                       | 7.1                       | 43                     | 0.72                     | 0.080                    |
| STD DS8             | Standard | 11.8                      | 106.9                     | 119.9                     | 311                     | 1.7                       | 38.2                      | 7.7                       | 619                     | 2.44                     | 24.8                      | 2.6                      | 107.9                     | 6.4                       | 67                      | 2.3                       | 5.9                       | 6.6                       | 41                     | 0.67                     | 0.077                    |
| STD DS8             | Standard | 12.9                      | 110.2                     | 126.6                     | 330                     | 1.8                       | 40.4                      | 7.8                       | 615                     | 2.49                     | 25.8                      | 2.8                      | 113.5                     | 7.2                       | 70                      | 2.2                       | 6.1                       | 7.0                       | 43                     | 0.70                     | 0.083                    |
| STD DS8             | Standard | 13.4                      | 110.1                     | 128.2                     | 316                     | 1.8                       | 38.6                      | 7.6                       | 627                     | 2.49                     | 26.2                      | 2.9                      | 113.3                     | 7.3                       | 69                      | 2.5                       | 6.3                       | 7.0                       | 44                     | 0.69                     | 0.081                    |
| STD DS8             | Standard | 13.4                      | 108.9                     | 117.1                     | 300                     | 1.6                       | 38.7                      | 7.6                       | 585                     | 2.34                     | 24.6                      | 2.6                      | 103.6                     | 6.6                       | 60                      | 2.0                       | 5.6                       | 6.0                       | 41                     | 0.63                     | 0.073                    |
| STD DS8             | Standard | 13.5                      | 111.3                     | 122.8                     | 316                     | 1.7                       | 40.0                      | 7.7                       | 594                     | 2.39                     | 26.0                      | 2.7                      | 110.5                     | 6.7                       | 64                      | 2.3                       | 5.6                       | 6.2                       | 42                     | 0.65                     | 0.077                    |
| STD DS8             | Standard | 13.5                      | 111.6                     | 126.5                     | 325                     | 2.1                       | 37.0                      | 7.8                       | 637                     | 2.58                     | 28.4                      | 2.8                      | 119.9                     | 6.7                       | 72                      | 2.7                       | 6.2                       | 6.6                       | 42                     | 0.70                     | 0.085                    |
| STD DS8             | Standard | 13.5                      | 105.7                     | 124.4                     | 314                     | 1.8                       | 38.3                      | 7.2                       | 611                     | 2.44                     | 27.9                      | 2.7                      | 108.0                     | 6.6                       | 72                      | 2.7                       | 5.9                       | 6.4                       | 39                     | 0.69                     | 0.080                    |
| STD DS8             | Standard | 13.2                      | 118.7                     | 126.9                     | 325                     | 1.8                       | 40.7                      | 8.1                       | 626                     | 2.48                     | 26.6                      | 2.8                      | 109.2                     | 6.4                       | 64                      | 2.4                       | 5.9                       | 6.5                       | 43                     | 0.65                     | 0.078                    |
| STD DS8             | Standard | 14.6                      | 123.9                     | 127.3                     | 342                     | 1.8                       | 44.4                      | 8.5                       | 662                     | 2.60                     | 28.5                      | 2.8                      | 112.2                     | 6.8                       | 68                      | 2.4                       | 5.9                       | 6.7                       | 47                     | 0.72                     | 0.086                    |
| STD DS8             | Standard | 13.8                      | 124.1                     | 124.1                     | 343                     | 1.8                       | 40.8                      | 8.0                       | 669                     | 2.72                     | 29.3                      | 3.0                      | 107.6                     | 7.3                       | 72                      | 2.5                       | 6.7                       | 7.1                       | 45                     | 0.73                     | 0.088                    |
| STD DS8             | Standard | 15.1                      | 124.5                     | 128.5                     | 347                     | 1.9                       | 40.9                      | 8.1                       | 663                     | 2.61                     | 30.8                      | 2.8                      | 114.6                     | 7.5                       | 77                      | 2.8                       | 7.0                       | 7.2                       | 46                     | 0.78                     | 0.089                    |
| STD DS8             | Standard | 12.8                      | 114.2                     | 128.4                     | 322                     | 1.8                       | 40.8                      | 7.6                       | 615                     | 2.44                     | 27.2                      | 2.8                      | 112.0                     | 6.8                       | 66                      | 2.3                       | 6.3                       | 7.0                       | 41                     | 0.64                     | 0.085                    |
| STD DS8             | Standard | 14.0                      | 119.7                     | 131.2                     | 331                     | 1.8                       | 42.3                      | 8.1                       | 648                     | 2.62                     | 28.2                      | 3.0                      | 123.5                     | 7.3                       | 69                      | 2.5                       | 5.8                       | 7.4                       | 45                     | 0.69                     | 0.086                    |
| STD DS8             | Standard | 14.5                      | 125.1                     | 133.7                     | 342                     | 1.8                       | 43.9                      | 8.5                       | 663                     | 2.62                     | 27.7                      | 2.9                      | 117.1                     | 7.3                       | 63                      | 2.3                       | 5.7                       | 6.7                       | 49                     | 0.73                     | 0.088                    |
| STD DS8             | Standard | 15.4                      | 112.2                     | 136.8                     | 352                     | 1.9                       | 39.1                      | 8.7                       | 684                     | 2.75                     | 28.6                      | 3.0                      | 112.9                     | 7.4                       | 64                      | 2.5                       | 5.5                       | 6.6                       | 50                     | 0.74                     | 0.086                    |
| STD DS8 Expected    |          | 13.44                     | 110                       | 123                       | 312                     | 1.69                      | 38.1                      | 7.5                       | 615                     | 2.46                     | 26                        | 2.8                      | 107                       | 6.89                      | 67.7                    | 2.38                      | 5.7                       | 6.67                      | 41.1                   | 0.7                      | 0.08                     |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | 0.01                     | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |



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Report Date: July 04, 2011

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## QUALITY CONTROL REPORT

WHI11000260.1

|                     |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|---------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| 11DS0061            | Soil     | 11                      | 24                      | 0.58                     | 399                     | 0.036                     | 1                      | 1.57                     | 0.008                     | 0.13                    | <0.1                     | 0.02                       | 12.7                      | <0.1                      | <0.05                   | 6                       | 0.6                       | <0.2                      |
| REP 11DS0061        | QC       | 11                      | 25                      | 0.60                     | 409                     | 0.038                     | 1                      | 1.64                     | 0.009                     | 0.14                    | <0.1                     | 0.02                       | 13.3                      | <0.1                      | <0.05                   | 7                       | <0.5                      | <0.2                      |
| Reference Materials |          |                         |                         |                          |                         |                           |                        |                          |                           |                         |                          |                            |                           |                           |                         |                         |                           |                           |
| STD DS8             | Standard | 13                      | 121                     | 0.64                     | 302                     | 0.115                     | 1                      | 0.95                     | 0.091                     | 0.44                    | 3.2                      | 0.24                       | 2.3                       | 5.5                       | 0.11                    | 5                       | 7.3                       | 4.9                       |
| STD DS8             | Standard | 15                      | 125                     | 0.65                     | 309                     | 0.122                     | 4                      | 0.99                     | 0.104                     | 0.46                    | 3.3                      | 0.21                       | 2.7                       | 6.1                       | 0.17                    | 5                       | 5.7                       | 5.9                       |
| STD DS8             | Standard | 15                      | 119                     | 0.65                     | 283                     | 0.118                     | 3                      | 0.94                     | 0.097                     | 0.43                    | 3.2                      | 0.22                       | 2.2                       | 5.5                       | 0.16                    | 5                       | 5.5                       | 5.1                       |
| STD DS8             | Standard | 16                      | 121                     | 0.66                     | 289                     | 0.130                     | 2                      | 0.94                     | 0.092                     | 0.45                    | 3.1                      | 0.21                       | 2.3                       | 5.7                       | 0.20                    | 5                       | 5.7                       | 5.5                       |
| STD DS8             | Standard | 14                      | 119                     | 0.63                     | 276                     | 0.123                     | 2                      | 0.92                     | 0.091                     | 0.45                    | 3.2                      | 0.20                       | 2.3                       | 5.6                       | 0.19                    | 5                       | 5.9                       | 5.2                       |
| STD DS8             | Standard | 13                      | 113                     | 0.62                     | 270                     | 0.115                     | 3                      | 0.91                     | 0.086                     | 0.42                    | 2.8                      | 0.19                       | 2.1                       | 5.6                       | 0.15                    | 5                       | 5.6                       | 5.4                       |
| STD DS8             | Standard | 15                      | 116                     | 0.66                     | 290                     | 0.127                     | 3                      | 0.95                     | 0.098                     | 0.42                    | 3.2                      | 0.22                       | 2.1                       | 5.5                       | 0.14                    | 5                       | 5.7                       | 5.2                       |
| STD DS8             | Standard | 15                      | 125                     | 0.61                     | 285                     | 0.127                     | 2                      | 0.91                     | 0.087                     | 0.42                    | 3.1                      | 0.20                       | 2.1                       | 5.4                       | 0.19                    | 5                       | 5.8                       | 5.2                       |
| STD DS8             | Standard | 13                      | 117                     | 0.57                     | 251                     | 0.114                     | 5                      | 0.84                     | 0.083                     | 0.39                    | 2.9                      | 0.18                       | 1.9                       | 5.0                       | 0.13                    | 4                       | 4.3                       | 3.5                       |
| STD DS8             | Standard | 14                      | 119                     | 0.59                     | 262                     | 0.118                     | 3                      | 0.89                     | 0.091                     | 0.41                    | 2.8                      | 0.18                       | 2.1                       | 5.2                       | 0.14                    | 4                       | 4.6                       | 4.8                       |
| STD DS8             | Standard | 14                      | 121                     | 0.62                     | 293                     | 0.116                     | 2                      | 0.95                     | 0.089                     | 0.46                    | 3.4                      | 0.19                       | 2.5                       | 5.5                       | 0.08                    | 4                       | 6.5                       | 5.5                       |
| STD DS8             | Standard | 15                      | 117                     | 0.60                     | 296                     | 0.115                     | 2                      | 0.91                     | 0.092                     | 0.42                    | 2.9                      | 0.19                       | 2.5                       | 5.2                       | 0.10                    | 4                       | 5.2                       | 5.1                       |
| STD DS8             | Standard | 13                      | 123                     | 0.62                     | 268                     | 0.118                     | 3                      | 0.90                     | 0.086                     | 0.42                    | 2.8                      | 0.17                       | 1.9                       | 5.4                       | 0.16                    | 5                       | 5.3                       | 4.5                       |
| STD DS8             | Standard | 15                      | 131                     | 0.65                     | 292                     | 0.132                     | 4                      | 0.97                     | 0.100                     | 0.47                    | 3.0                      | 0.20                       | 2.2                       | 5.6                       | 0.18                    | 5                       | 5.6                       | 5.8                       |
| STD DS8             | Standard | 15                      | 124                     | 0.64                     | 287                     | 0.133                     | 2                      | 0.95                     | 0.087                     | 0.46                    | 3.2                      | 0.20                       | 2.1                       | 5.7                       | 0.21                    | 5                       | 5.9                       | 5.2                       |
| STD DS8             | Standard | 17                      | 125                     | 0.65                     | 310                     | 0.143                     | 3                      | 0.96                     | 0.095                     | 0.45                    | 3.2                      | 0.20                       | 2.3                       | 5.3                       | 0.21                    | 5                       | 6.0                       | 5.4                       |
| STD DS8             | Standard | 13                      | 117                     | 0.63                     | 276                     | 0.116                     | 3                      | 0.89                     | 0.086                     | 0.40                    | 3.0                      | 0.21                       | 1.8                       | 5.2                       | 0.12                    | 4                       | 6.1                       | 5.6                       |
| STD DS8             | Standard | 14                      | 124                     | 0.64                     | 277                     | 0.126                     | 3                      | 0.92                     | 0.091                     | 0.42                    | 3.1                      | 0.21                       | 2.1                       | 5.4                       | 0.13                    | 5                       | 5.3                       | 5.0                       |
| STD DS8             | Standard | 15                      | 136                     | 0.58                     | 286                     | 0.133                     | 3                      | 0.99                     | 0.073                     | 0.42                    | 3.2                      | 0.21                       | 2.0                       | 5.6                       | 0.16                    | 5                       | 5.2                       | 5.2                       |
| STD DS8             | Standard | 15                      | 121                     | 0.61                     | 291                     | 0.133                     | 4                      | 1.03                     | 0.075                     | 0.44                    | 3.1                      | 0.20                       | 2.0                       | 5.5                       | 0.19                    | 5                       | 5.9                       | 5.3                       |
| STD DS8 Expected    |          | 14.6                    | 115                     | 0.6045                   | 279                     | 0.113                     | 2.6                    | 0.93                     | 0.0883                    | 0.41                    | 3                        | 0.192                      | 2.3                       | 5.4                       | 0.1679                  | 4.7                     | 5.23                      | 5                         |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |



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Report Date: July 04, 2011

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## QUALITY CONTROL REPORT

WHI11000260.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|     |       | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|     |       | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|     |       | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | 0.01  | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: June 27, 2011

Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-04  
P.O. Number  
Number of Samples: 320

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: John Brock  
Katie Dodd  
Janice Fingler

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 320               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 320               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 320               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 320               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: July 09, 2011

Page: 2 of 12 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11DS0074 | Soil | 0.8                              | 54.6  | 10.0  | 111   | 0.1   | 22.3  | 18.6  | 843   | 3.67  | 2.7   | 0.3   | 1.2   | 1.7   | 17    | 0.2   | 0.2   | 0.1   | 111   | 0.33  | 0.101 |      |
| 11DS0075 | Soil | 1.4                              | 38.6  | 19.1  | 88    | <0.1  | 57.4  | 15.3  | 646   | 4.02  | 4.6   | 0.7   | 1.8   | 4.2   | 31    | 0.2   | 0.3   | 0.1   | 93    | 0.42  | 0.087 |      |
| 11DS0076 | Soil | 2.7                              | 48.0  | 17.8  | 77    | 0.2   | 17.2  | 10.2  | 514   | 4.47  | 9.1   | 0.4   | 0.5   | 2.0   | 17    | 0.2   | 0.3   | <0.1  | 104   | 0.25  | 0.068 |      |
| 11DS0077 | Soil | 11.0                             | 87.9  | 105.0 | 101   | 0.3   | 12.7  | 6.4   | 467   | 4.17  | 52.5  | 0.6   | 6.7   | 2.7   | 31    | 0.8   | 0.3   | 0.2   | 65    | 0.18  | 0.054 |      |
| 11DS0078 | Soil | 0.8                              | 14.4  | 4.4   | 81    | <0.1  | 11.0  | 10.1  | 725   | 3.73  | 2.6   | 0.5   | <0.5  | 5.9   | 8     | 0.1   | 0.2   | <0.1  | 65    | 0.15  | 0.052 |      |
| 11DS0079 | Soil | 1.6                              | 18.5  | 8.4   | 76    | <0.1  | 18.9  | 8.8   | 705   | 3.20  | 5.2   | 0.6   | 1.5   | 4.5   | 16    | 0.3   | 0.4   | 0.2   | 62    | 0.30  | 0.047 |      |
| 11DS0080 | Soil | 1.2                              | 12.0  | 5.1   | 87    | <0.1  | 12.3  | 11.1  | 672   | 3.92  | 4.1   | 0.8   | 1.2   | 6.8   | 6     | 0.2   | 0.3   | 0.1   | 64    | 0.10  | 0.042 |      |
| 11DS0081 | Soil | 1.1                              | 13.5  | 6.1   | 87    | <0.1  | 11.9  | 10.7  | 606   | 4.02  | 3.8   | 0.8   | 1.9   | 6.8   | 6     | <0.1  | 0.2   | 0.1   | 65    | 0.10  | 0.039 |      |
| 11DS0082 | Soil | 2.2                              | 29.6  | 10.1  | 89    | <0.1  | 24.4  | 12.8  | 781   | 3.62  | 7.4   | 0.8   | 4.6   | 4.9   | 14    | 0.3   | 0.4   | 0.2   | 80    | 0.16  | 0.029 |      |
| 11DS0083 | Soil | 1.6                              | 21.3  | 6.8   | 77    | <0.1  | 19.6  | 11.6  | 751   | 3.72  | 6.6   | 0.6   | 2.4   | 6.2   | 12    | 0.2   | 0.3   | 0.3   | 61    | 0.21  | 0.048 |      |
| 11DS0084 | Soil | 1.0                              | 52.6  | 8.4   | 87    | <0.1  | 174.5 | 30.8  | 795   | 5.28  | 4.7   | 0.9   | 2.5   | 8.9   | 143   | <0.1  | 0.2   | 0.2   | 124   | 1.00  | 0.306 |      |
| 11DS0085 | Soil | 1.3                              | 49.0  | 19.1  | 109   | 0.1   | 238.8 | 35.3  | 1090  | 6.25  | 6.1   | 1.4   | 4.9   | 14.2  | 124   | 0.3   | 0.5   | 0.3   | 128   | 1.24  | 0.515 |      |
| 11DS0086 | Soil | 1.0                              | 19.9  | 7.3   | 80    | <0.1  | 28.1  | 12.0  | 496   | 3.33  | 5.2   | 0.5   | 2.4   | 3.8   | 13    | 0.1   | 0.3   | 0.1   | 79    | 0.17  | 0.029 |      |
| 11DS0087 | Soil | 1.2                              | 23.5  | 8.6   | 83    | <0.1  | 25.2  | 13.3  | 640   | 3.77  | 8.4   | 0.4   | 33.0  | 3.4   | 12    | 0.2   | 0.4   | 0.1   | 81    | 0.15  | 0.026 |      |
| 11DS0088 | Soil | 0.8                              | 19.5  | 6.9   | 68    | <0.1  | 22.7  | 11.0  | 414   | 3.03  | 7.8   | 0.7   | 2.5   | 4.5   | 16    | <0.1  | 0.4   | 0.1   | 60    | 0.22  | 0.033 |      |
| 11DS0089 | Soil | 0.8                              | 23.8  | 8.9   | 62    | <0.1  | 29.8  | 14.0  | 296   | 3.01  | 9.1   | 0.7   | 3.9   | 4.1   | 11    | 0.3   | 0.4   | 0.1   | 61    | 0.13  | 0.027 |      |
| 11DS0090 | Soil | 0.5                              | 17.7  | 4.7   | 121   | <0.1  | 31.0  | 23.0  | 693   | 4.53  | 1.6   | 0.4   | 0.8   | 3.2   | 16    | 0.1   | 0.1   | 0.1   | 153   | 0.32  | 0.081 |      |
| 11DS0091 | Soil | 0.8                              | 15.3  | 5.3   | 86    | <0.1  | 19.3  | 13.5  | 563   | 3.37  | 4.8   | 0.6   | 3.1   | 4.3   | 8     | 0.1   | 0.2   | 0.1   | 68    | 0.11  | 0.022 |      |
| 11DS0092 | Soil | 1.5                              | 16.1  | 9.7   | 69    | <0.1  | 21.7  | 10.5  | 592   | 3.46  | 9.1   | 0.6   | 2.8   | 2.3   | 12    | 0.2   | 0.5   | 0.2   | 76    | 0.16  | 0.052 |      |
| 11DS0093 | Soil | 1.0                              | 22.7  | 6.8   | 83    | <0.1  | 17.2  | 11.5  | 586   | 3.32  | 5.7   | 0.8   | 2.7   | 3.8   | 15    | 0.2   | 0.4   | 0.1   | 65    | 0.19  | 0.029 |      |
| 11DS0094 | Soil | 1.6                              | 17.8  | 8.9   | 75    | <0.1  | 19.8  | 10.6  | 543   | 3.32  | 6.9   | 0.6   | 2.5   | 3.1   | 12    | 0.1   | 0.3   | 0.1   | 67    | 0.15  | 0.045 |      |
| 11DS0095 | Soil | 1.4                              | 23.2  | 10.2  | 78    | <0.1  | 21.4  | 10.8  | 590   | 3.32  | 6.5   | 0.6   | 5.6   | 3.4   | 13    | 0.1   | 0.3   | 0.1   | 64    | 0.18  | 0.048 |      |
| 11DS0096 | Soil | 1.3                              | 22.7  | 9.6   | 70    | <0.1  | 15.0  | 8.2   | 415   | 3.37  | 7.0   | 0.5   | 9.4   | 2.1   | 11    | 0.2   | 0.3   | 0.2   | 72    | 0.12  | 0.044 |      |
| 11DS0097 | Soil | 0.7                              | 23.5  | 7.3   | 95    | <0.1  | 16.8  | 12.6  | 759   | 3.67  | 4.1   | 0.9   | 4.4   | 4.0   | 16    | <0.1  | 0.3   | <0.1  | 72    | 0.24  | 0.048 |      |
| 11DS0098 | Soil | 0.8                              | 14.4  | 6.4   | 130   | <0.1  | 18.2  | 16.7  | 617   | 4.82  | 6.0   | 0.4   | 1.7   | 2.5   | 10    | 0.1   | 0.3   | 0.1   | 102   | 0.13  | 0.041 |      |
| 11DS0099 | Soil | 1.0                              | 13.0  | 8.7   | 63    | <0.1  | 13.9  | 7.9   | 368   | 3.10  | 6.5   | 0.5   | 90.5  | 2.4   | 10    | 0.1   | 0.3   | 0.1   | 68    | 0.11  | 0.038 |      |
| 11DS0100 | Soil | 0.9                              | 10.5  | 6.7   | 75    | <0.1  | 15.9  | 10.3  | 504   | 2.61  | 3.3   | 0.6   | 1.3   | 2.5   | 12    | 0.1   | 0.2   | <0.1  | 51    | 0.20  | 0.044 |      |
| 11DS0101 | Soil | 1.0                              | 11.0  | 7.8   | 82    | <0.1  | 15.6  | 10.4  | 508   | 2.64  | 4.1   | 0.6   | <0.5  | 2.8   | 13    | 0.2   | 0.3   | 0.1   | 52    | 0.20  | 0.045 |      |
| 11DS0102 | Soil | 0.9                              | 14.3  | 6.7   | 83    | <0.1  | 16.8  | 10.5  | 510   | 2.85  | 4.2   | 0.7   | <0.5  | 1.8   | 15    | 0.2   | 0.3   | 0.1   | 56    | 0.23  | 0.052 |      |
| 11DS0103 | Soil | 1.2                              | 8.3   | 8.4   | 76    | <0.1  | 15.1  | 10.6  | 514   | 3.04  | 5.9   | 0.4   | 1.0   | 2.4   | 8     | 0.1   | 0.3   | 0.1   | 63    | 0.11  | 0.051 |      |



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Project: Mariposa  
Report Date: July 09, 2011

Page: 2 of 12 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0074 | Soil                             | 6     | 43    | 1.39  | 390   | 0.163 | <1    | 2.02  | 0.014 | 0.63  | 0.1   | <0.01 | 3.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0075 | Soil                             | 16    | 86    | 1.54  | 524   | 0.195 | <1    | 2.23  | 0.013 | 0.49  | <0.1  | <0.01 | 7.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0076 | Soil                             | 9     | 36    | 1.05  | 356   | 0.171 | <1    | 2.04  | 0.015 | 0.49  | <0.1  | <0.01 | 7.1   | 0.2   | 0.07  | 8     | <0.5  | <0.2  |
| 11DS0077 | Soil                             | 11    | 24    | 0.80  | 362   | 0.134 | <1    | 1.72  | 0.027 | 0.56  | <0.1  | 0.01  | 5.0   | 0.3   | 0.46  | 6     | <0.5  | 0.2   |
| 11DS0078 | Soil                             | 15    | 21    | 0.92  | 197   | 0.186 | <1    | 1.87  | 0.006 | 0.73  | <0.1  | <0.01 | 8.8   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0079 | Soil                             | 11    | 29    | 0.65  | 261   | 0.129 | <1    | 1.72  | 0.007 | 0.32  | 0.1   | 0.01  | 5.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0080 | Soil                             | 18    | 21    | 0.80  | 190   | 0.158 | 1     | 1.91  | 0.006 | 0.56  | <0.1  | <0.01 | 8.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0081 | Soil                             | 18    | 23    | 0.78  | 189   | 0.141 | <1    | 1.91  | 0.006 | 0.48  | <0.1  | 0.01  | 8.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0082 | Soil                             | 20    | 45    | 0.99  | 253   | 0.159 | <1    | 2.19  | 0.009 | 0.25  | 0.1   | 0.01  | 6.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0083 | Soil                             | 15    | 27    | 0.89  | 304   | 0.133 | <1    | 2.20  | 0.005 | 0.35  | 0.1   | 0.01  | 5.3   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0084 | Soil                             | 51    | 237   | 3.18  | 970   | 0.194 | <1    | 3.20  | 0.012 | 0.18  | <0.1  | 0.02  | 8.2   | 0.3   | <0.05 | 11    | <0.5  | <0.2  |
| 11DS0085 | Soil                             | 77    | 275   | 1.61  | 1629  | 0.072 | <1    | 2.48  | 0.008 | 0.06  | <0.1  | 0.02  | 16.0  | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0086 | Soil                             | 11    | 59    | 1.17  | 273   | 0.169 | <1    | 2.52  | 0.008 | 0.24  | <0.1  | 0.01  | 5.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0087 | Soil                             | 8     | 41    | 0.96  | 232   | 0.151 | <1    | 2.64  | 0.009 | 0.25  | 0.1   | 0.03  | 5.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0088 | Soil                             | 12    | 33    | 0.83  | 276   | 0.107 | 2     | 2.11  | 0.009 | 0.15  | 0.1   | 0.02  | 4.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0089 | Soil                             | 11    | 38    | 0.70  | 140   | 0.094 | <1    | 2.56  | 0.011 | 0.09  | 0.1   | 0.01  | 4.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0090 | Soil                             | 25    | 77    | 2.97  | 434   | 0.224 | <1    | 3.58  | 0.014 | 1.12  | <0.1  | 0.01  | 12.5  | 0.6   | <0.05 | 11    | <0.5  | <0.2  |
| 11DS0091 | Soil                             | 10    | 33    | 0.94  | 171   | 0.126 | <1    | 2.31  | 0.008 | 0.26  | 0.1   | 0.01  | 5.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0092 | Soil                             | 11    | 35    | 0.61  | 174   | 0.088 | <1    | 1.97  | 0.007 | 0.12  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0093 | Soil                             | 12    | 33    | 0.97  | 271   | 0.145 | <1    | 2.16  | 0.008 | 0.39  | 0.1   | 0.02  | 6.6   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0094 | Soil                             | 11    | 34    | 0.75  | 200   | 0.132 | <1    | 2.01  | 0.008 | 0.25  | 0.1   | 0.02  | 4.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0095 | Soil                             | 11    | 35    | 0.77  | 195   | 0.120 | <1    | 2.18  | 0.008 | 0.25  | 0.1   | 0.03  | 3.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0096 | Soil                             | 9     | 28    | 0.68  | 138   | 0.133 | <1    | 1.96  | 0.007 | 0.20  | 0.1   | 0.03  | 3.8   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0097 | Soil                             | 16    | 28    | 1.14  | 328   | 0.174 | <1    | 2.34  | 0.010 | 0.65  | <0.1  | 0.02  | 6.9   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0098 | Soil                             | 8     | 34    | 1.58  | 226   | 0.196 | 1     | 2.95  | 0.008 | 0.59  | <0.1  | 0.02  | 9.3   | 0.4   | <0.05 | 11    | <0.5  | <0.2  |
| 11DS0099 | Soil                             | 9     | 28    | 0.63  | 122   | 0.108 | 1     | 1.80  | 0.007 | 0.14  | <0.1  | 0.03  | 3.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0100 | Soil                             | 10    | 26    | 0.90  | 191   | 0.123 | <1    | 1.75  | 0.009 | 0.24  | 0.1   | 0.02  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0101 | Soil                             | 10    | 26    | 0.90  | 190   | 0.123 | <1    | 1.72  | 0.008 | 0.24  | 0.1   | 0.01  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0102 | Soil                             | 11    | 27    | 0.96  | 222   | 0.117 | <1    | 2.01  | 0.009 | 0.28  | <0.1  | 0.01  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0103 | Soil                             | 9     | 26    | 0.89  | 89    | 0.118 | <1    | 1.89  | 0.007 | 0.15  | 0.1   | <0.01 | 4.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |     |    |      |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V   | Ca | P    |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | %  | %    |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1 | 2  | 0.01 |
| 11CB0077 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0078 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0079 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0080 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0081 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0082 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0083 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0084 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0085 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0086 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0087 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0088 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0089 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0090 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0091 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0092 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0093 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0094 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0095 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0096 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0097 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0098 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0099 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0100 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0101 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0102 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0103 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0104 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0105 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0106 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |



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**Report Date:** July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0077 | Soil                             | 6     | 28    | 1.05  | 241   | 0.160 | <1    | 2.28  | 0.009 | 0.60  | <0.1  | <0.01 | 3.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0078 | Soil                             | 8     | 50    | 0.94  | 295   | 0.071 | 1     | 1.99  | 0.011 | 0.16  | <0.1  | <0.01 | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0079 | Soil                             | 9     | 42    | 1.12  | 334   | 0.139 | <1    | 2.31  | 0.014 | 0.25  | <0.1  | <0.01 | 6.5   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0080 | Soil                             | 11    | 34    | 0.75  | 266   | 0.130 | 1     | 1.90  | 0.009 | 0.35  | <0.1  | <0.01 | 5.0   | 0.2   | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0081 | Soil                             | 19    | 68    | 0.88  | 529   | 0.124 | <1    | 1.65  | 0.009 | 0.25  | <0.1  | <0.01 | 5.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0082 | Soil                             | 10    | 33    | 0.65  | 241   | 0.104 | 3     | 1.83  | 0.007 | 0.27  | <0.1  | 0.02  | 4.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0083 | Soil                             | 8     | 34    | 0.55  | 222   | 0.077 | 2     | 1.84  | 0.008 | 0.07  | 0.1   | 0.01  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0084 | Soil                             | 11    | 37    | 0.56  | 300   | 0.070 | 1     | 1.88  | 0.007 | 0.08  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0085 | Soil                             | 26    | 88    | 1.63  | 414   | 0.190 | <1    | 2.62  | 0.008 | 0.22  | 0.1   | 0.02  | 6.6   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0086 | Soil                             | 9     | 53    | 0.99  | 250   | 0.124 | 2     | 2.64  | 0.009 | 0.17  | 0.1   | 0.02  | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0087 | Soil                             | 16    | 37    | 0.64  | 269   | 0.091 | 2     | 2.48  | 0.009 | 0.11  | 0.2   | 0.02  | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0088 | Soil                             | 10    | 30    | 0.50  | 191   | 0.085 | 1     | 1.78  | 0.008 | 0.13  | <0.1  | 0.02  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0089 | Soil                             | 8     | 26    | 0.72  | 126   | 0.133 | 1     | 1.94  | 0.008 | 0.25  | 0.2   | <0.01 | 3.3   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0090 | Soil                             | 14    | 30    | 0.76  | 233   | 0.126 | <1    | 1.93  | 0.010 | 0.15  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0091 | Soil                             | 9     | 33    | 0.67  | 152   | 0.140 | 1     | 2.38  | 0.009 | 0.15  | 0.1   | 0.02  | 3.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0092 | Soil                             | 9     | 33    | 0.86  | 211   | 0.169 | 1     | 2.09  | 0.010 | 0.35  | 0.1   | 0.02  | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0093 | Soil                             | 11    | 32    | 0.96  | 171   | 0.118 | 2     | 1.88  | 0.009 | 0.20  | 0.1   | 0.01  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0094 | Soil                             | 11    | 32    | 0.88  | 214   | 0.096 | <1    | 2.05  | 0.009 | 0.18  | 0.1   | 0.02  | 4.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0095 | Soil                             | 8     | 23    | 0.43  | 111   | 0.079 | 2     | 1.22  | 0.007 | 0.14  | <0.1  | 0.02  | 1.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0096 | Soil                             | 10    | 22    | 0.89  | 114   | 0.100 | <1    | 1.90  | 0.006 | 0.21  | 0.1   | 0.01  | 3.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0097 | Soil                             | 10    | 32    | 0.49  | 144   | 0.073 | 2     | 2.01  | 0.007 | 0.09  | 0.1   | 0.03  | 2.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0098 | Soil                             | 12    | 36    | 0.93  | 243   | 0.086 | <1    | 2.36  | 0.008 | 0.12  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0099 | Soil                             | 12    | 38    | 0.65  | 304   | 0.070 | <1    | 1.98  | 0.007 | 0.09  | <0.1  | 0.01  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0100 | Soil                             | 18    | 91    | 1.26  | 337   | 0.125 | 2     | 2.77  | 0.008 | 0.14  | 0.1   | 0.02  | 8.1   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0101 | Soil                             | 14    | 42    | 0.72  | 389   | 0.105 | <1    | 2.04  | 0.011 | 0.12  | 0.1   | 0.02  | 6.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0102 | Soil                             | 10    | 32    | 0.78  | 353   | 0.167 | <1    | 1.71  | 0.008 | 0.48  | 0.1   | 0.02  | 5.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0103 | Soil                             | 12    | 33    | 0.60  | 249   | 0.100 | <1    | 1.77  | 0.008 | 0.23  | 0.1   | 0.02  | 4.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0104 | Soil                             | 23    | 48    | 0.73  | 719   | 0.097 | 1     | 2.31  | 0.012 | 0.31  | 0.1   | 0.03  | 8.1   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0105 | Soil                             | 18    | 63    | 0.77  | 419   | 0.098 | 2     | 1.74  | 0.012 | 0.15  | 0.1   | 0.02  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0106 | Soil                             | 17    | 36    | 0.47  | 446   | 0.050 | 1     | 1.91  | 0.009 | 0.14  | <0.1  | 0.02  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11NG0063 | Soil                             | 1.0   | 16.2  | 8.0   | 105   | <0.1  | 17.3  | 11.6  | 663   | 3.10  | 6.9   | 0.5   | <0.5  | 3.5   | 24    | 0.2   | 0.3   | 0.1   | 69    | 0.47  | 0.078 |
| 11NG0064 | Soil                             | 1.0   | 28.6  | 6.6   | 95    | <0.1  | 19.6  | 14.5  | 671   | 3.37  | 6.5   | 0.9   | 5.1   | 4.4   | 21    | <0.1  | 0.3   | 0.1   | 76    | 0.37  | 0.076 |
| 11NG0065 | Soil                             | 0.8   | 21.1  | 7.6   | 77    | <0.1  | 18.4  | 13.7  | 560   | 3.21  | 7.3   | 0.6   | 2.5   | 4.2   | 16    | <0.1  | 0.3   | 0.1   | 67    | 0.23  | 0.045 |
| 11NG0066 | Soil                             | 1.1   | 17.1  | 8.5   | 75    | <0.1  | 20.9  | 11.8  | 507   | 3.34  | 8.4   | 0.6   | 2.5   | 3.9   | 17    | <0.1  | 0.3   | 0.1   | 67    | 0.23  | 0.043 |
| 11NG0067 | Soil                             | 0.8   | 17.2  | 7.7   | 87    | <0.1  | 18.1  | 11.2  | 408   | 3.28  | 6.3   | 0.5   | 1.1   | 2.9   | 17    | 0.1   | 0.3   | 0.1   | 69    | 0.24  | 0.044 |
| 11NG0068 | Soil                             | 0.7   | 27.5  | 6.6   | 76    | <0.1  | 16.9  | 10.8  | 455   | 3.08  | 6.1   | 0.5   | 1.9   | 3.0   | 17    | <0.1  | 0.2   | 0.1   | 70    | 0.25  | 0.048 |
| 11NG0069 | Soil                             | 0.8   | 19.6  | 8.0   | 80    | <0.1  | 22.3  | 13.5  | 485   | 3.61  | 8.4   | 0.6   | 5.6   | 3.5   | 18    | 0.1   | 0.3   | 0.1   | 82    | 0.26  | 0.046 |
| 11NG0070 | Soil                             | 0.9   | 16.4  | 7.9   | 73    | <0.1  | 19.3  | 10.7  | 429   | 3.12  | 6.8   | 0.6   | 2.5   | 3.0   | 17    | <0.1  | 0.3   | 0.2   | 71    | 0.22  | 0.042 |
| 11NG0071 | Soil                             | 0.9   | 13.2  | 7.8   | 66    | <0.1  | 9.9   | 6.1   | 429   | 2.61  | 4.8   | 0.7   | <0.5  | 2.6   | 12    | <0.1  | 0.2   | 0.2   | 69    | 0.17  | 0.048 |
| 11NG0072 | Soil                             | 0.9   | 10.8  | 9.1   | 57    | <0.1  | 13.6  | 6.9   | 329   | 2.74  | 7.9   | 0.4   | 3.7   | 1.8   | 13    | 0.1   | 0.3   | 0.2   | 66    | 0.16  | 0.050 |
| 11NG0073 | Soil                             | 1.0   | 25.9  | 9.0   | 58    | <0.1  | 22.1  | 9.1   | 323   | 2.91  | 9.3   | 0.8   | 9.9   | 4.1   | 15    | <0.1  | 0.4   | 0.2   | 58    | 0.16  | 0.026 |
| 11NG0074 | Soil                             | 0.9   | 26.1  | 8.1   | 64    | <0.1  | 19.7  | 10.6  | 381   | 3.35  | 8.7   | 0.6   | 6.8   | 3.5   | 16    | 0.1   | 0.4   | 0.1   | 71    | 0.19  | 0.029 |
| 11NG0075 | Soil                             | 1.0   | 22.5  | 7.8   | 77    | <0.1  | 17.3  | 11.4  | 509   | 3.41  | 6.3   | 0.5   | 3.1   | 3.0   | 18    | <0.1  | 0.3   | 0.1   | 74    | 0.20  | 0.031 |
| 11NG0076 | Soil                             | 0.9   | 18.7  | 7.0   | 74    | <0.1  | 19.4  | 13.0  | 584   | 3.23  | 6.8   | 0.6   | 3.8   | 3.2   | 17    | <0.1  | 0.4   | <0.1  | 65    | 0.19  | 0.040 |
| 11NG0077 | Soil                             | 0.9   | 17.1  | 8.0   | 73    | <0.1  | 19.5  | 12.3  | 488   | 3.36  | 7.4   | 0.6   | 5.8   | 3.7   | 17    | 0.1   | 0.4   | 0.1   | 68    | 0.20  | 0.034 |
| 11NG0078 | Soil                             | 0.8   | 13.7  | 7.0   | 75    | <0.1  | 14.4  | 10.3  | 537   | 3.03  | 5.6   | 0.5   | 2.5   | 2.6   | 14    | 0.1   | 0.2   | <0.1  | 65    | 0.17  | 0.046 |
| 11NG0079 | Soil                             | 0.9   | 15.0  | 6.9   | 81    | <0.1  | 14.8  | 13.3  | 762   | 3.41  | 6.2   | 0.5   | 10.2  | 3.3   | 13    | <0.1  | 0.3   | <0.1  | 68    | 0.17  | 0.044 |
| 11NG0080 | Soil                             | 1.5   | 13.0  | 7.9   | 66    | <0.1  | 13.7  | 8.0   | 504   | 3.32  | 6.7   | 0.4   | 3.6   | 2.3   | 11    | 0.1   | 0.4   | 0.1   | 75    | 0.10  | 0.036 |
| 11NG0081 | Soil                             | 1.2   | 12.3  | 8.2   | 69    | <0.1  | 12.9  | 8.1   | 511   | 3.33  | 6.8   | 0.4   | 3.2   | 2.2   | 10    | 0.1   | 0.3   | 0.1   | 74    | 0.10  | 0.036 |
| 11NG0082 | Soil                             | 0.7   | 17.0  | 5.2   | 83    | <0.1  | 14.0  | 11.9  | 765   | 2.92  | 4.4   | 0.6   | 3.8   | 3.4   | 14    | <0.1  | 0.3   | <0.1  | 59    | 0.24  | 0.058 |
| 11NG0083 | Soil                             | 0.5   | 10.0  | 5.5   | 78    | <0.1  | 12.7  | 9.2   | 454   | 2.37  | 4.7   | 0.5   | 4.5   | 2.8   | 17    | <0.1  | 0.3   | <0.1  | 47    | 0.25  | 0.044 |
| 11NG0084 | Soil                             | 0.8   | 11.8  | 8.7   | 77    | <0.1  | 17.8  | 9.8   | 415   | 2.70  | 6.7   | 0.6   | 16.4  | 3.5   | 16    | <0.1  | 0.3   | 0.1   | 54    | 0.23  | 0.035 |
| 11NG0085 | Soil                             | 0.8   | 8.9   | 6.1   | 82    | <0.1  | 9.1   | 6.4   | 470   | 2.40  | 5.0   | 0.3   | 2.4   | 2.0   | 18    | 0.1   | 0.3   | <0.1  | 55    | 0.37  | 0.052 |
| 11NG0086 | Soil                             | 0.7   | 8.6   | 8.0   | 91    | <0.1  | 13.3  | 10.8  | 469   | 2.77  | 5.9   | 0.4   | 3.7   | 2.9   | 13    | <0.1  | 0.3   | 0.2   | 51    | 0.19  | 0.058 |
| 11NG0087 | Soil                             | 0.6   | 5.0   | 4.8   | 60    | <0.1  | 6.8   | 6.1   | 359   | 1.61  | 2.5   | 0.4   | 1.5   | 1.9   | 8     | <0.1  | 0.2   | <0.1  | 35    | 0.11  | 0.041 |
| 11NG0088 | Soil                             | 0.9   | 8.3   | 7.8   | 79    | <0.1  | 10.7  | 7.3   | 558   | 2.59  | 6.8   | 0.4   | 2.1   | 2.6   | 13    | 0.1   | 0.3   | 0.1   | 59    | 0.19  | 0.060 |
| 11NG0089 | Soil                             | 0.9   | 12.8  | 8.7   | 53    | <0.1  | 14.8  | 8.4   | 253   | 2.56  | 7.7   | 0.6   | 10.4  | 3.1   | 14    | 0.1   | 0.4   | 0.1   | 53    | 0.12  | 0.022 |
| 11NG0090 | Soil                             | 1.0   | 21.9  | 11.2  | 71    | <0.1  | 15.1  | 6.5   | 431   | 2.59  | 7.5   | 1.0   | 4.7   | 3.5   | 19    | 0.2   | 0.5   | 0.2   | 53    | 0.20  | 0.046 |
| 11NG0091 | Soil                             | 0.5   | 19.7  | 5.7   | 81    | <0.1  | 83.4  | 17.4  | 656   | 3.46  | 3.2   | 0.5   | 1.2   | 3.7   | 80    | <0.1  | 0.1   | <0.1  | 65    | 0.50  | 0.193 |
| 11TB0075 | Soil                             | 2.5   | 30.4  | 13.0  | 89    | 0.3   | 14.6  | 7.5   | 673   | 3.09  | 4.2   | 2.2   | 17.6  | 4.7   | 66    | 0.3   | 0.4   | <0.1  | 35    | 1.09  | 0.063 |



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Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0063 | Soil                             | 11    | 29    | 0.83  | 261   | 0.144 | 1     | 2.18  | 0.012 | 0.29  | 0.1   | <0.01 | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0064 | Soil                             | 17    | 31    | 1.24  | 329   | 0.154 | <1    | 2.45  | 0.011 | 0.40  | 0.1   | 0.01  | 8.0   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0065 | Soil                             | 13    | 30    | 0.95  | 229   | 0.139 | 1     | 2.38  | 0.010 | 0.22  | 0.1   | <0.01 | 5.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0066 | Soil                             | 13    | 33    | 0.83  | 226   | 0.131 | 2     | 2.17  | 0.009 | 0.20  | 0.1   | 0.02  | 4.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0067 | Soil                             | 10    | 29    | 0.99  | 201   | 0.141 | <1    | 2.41  | 0.010 | 0.24  | 0.1   | <0.01 | 5.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0068 | Soil                             | 11    | 31    | 0.96  | 228   | 0.136 | <1    | 2.10  | 0.010 | 0.23  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0069 | Soil                             | 12    | 43    | 1.04  | 234   | 0.149 | 1     | 2.51  | 0.011 | 0.21  | 0.1   | 0.01  | 4.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0070 | Soil                             | 11    | 38    | 0.94  | 271   | 0.134 | <1    | 2.15  | 0.010 | 0.21  | <0.1  | 0.02  | 4.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0071 | Soil                             | 9     | 21    | 0.82  | 153   | 0.149 | <1    | 1.70  | 0.009 | 0.32  | <0.1  | 0.01  | 3.8   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0072 | Soil                             | 9     | 24    | 0.51  | 242   | 0.106 | 1     | 1.57  | 0.008 | 0.12  | <0.1  | 0.01  | 3.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0073 | Soil                             | 12    | 34    | 0.59  | 237   | 0.082 | 2     | 2.08  | 0.011 | 0.07  | 0.2   | 0.03  | 4.5   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11NG0074 | Soil                             | 10    | 31    | 0.80  | 242   | 0.117 | <1    | 2.20  | 0.010 | 0.14  | 0.2   | 0.02  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0075 | Soil                             | 11    | 30    | 0.99  | 278   | 0.156 | 1     | 2.16  | 0.010 | 0.26  | 0.1   | <0.01 | 5.4   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11NG0076 | Soil                             | 10    | 31    | 0.89  | 246   | 0.133 | <1    | 2.25  | 0.010 | 0.22  | 0.2   | 0.01  | 4.8   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11NG0077 | Soil                             | 11    | 32    | 0.89  | 265   | 0.147 | <1    | 2.35  | 0.010 | 0.24  | 0.1   | 0.02  | 5.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0078 | Soil                             | 8     | 27    | 0.90  | 207   | 0.141 | <1    | 1.86  | 0.009 | 0.30  | 0.1   | 0.02  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0079 | Soil                             | 8     | 29    | 0.92  | 196   | 0.161 | <1    | 2.21  | 0.010 | 0.31  | 0.2   | 0.02  | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0080 | Soil                             | 8     | 28    | 0.68  | 128   | 0.143 | <1    | 2.04  | 0.008 | 0.16  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 9     | 0.5   | <0.2  |
| 11NG0081 | Soil                             | 7     | 26    | 0.67  | 127   | 0.138 | <1    | 2.01  | 0.008 | 0.15  | 0.2   | 0.02  | 3.7   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0082 | Soil                             | 10    | 26    | 0.90  | 209   | 0.157 | <1    | 1.83  | 0.011 | 0.36  | 0.2   | 0.02  | 4.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0083 | Soil                             | 11    | 20    | 0.86  | 212   | 0.106 | <1    | 1.64  | 0.011 | 0.17  | 0.1   | 0.02  | 4.2   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11NG0084 | Soil                             | 11    | 26    | 0.74  | 228   | 0.099 | <1    | 1.88  | 0.010 | 0.13  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11NG0085 | Soil                             | 8     | 16    | 0.50  | 151   | 0.104 | <1    | 1.18  | 0.009 | 0.12  | 0.1   | <0.01 | 2.8   | <0.1  | <0.05 | 7     | 0.7   | <0.2  |
| 11NG0086 | Soil                             | 9     | 20    | 0.78  | 167   | 0.105 | <1    | 1.89  | 0.009 | 0.18  | 0.1   | 0.01  | 2.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0087 | Soil                             | 9     | 12    | 0.62  | 99    | 0.102 | <1    | 1.03  | 0.008 | 0.18  | <0.1  | 0.01  | 2.7   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0088 | Soil                             | 9     | 19    | 0.56  | 132   | 0.108 | <1    | 1.37  | 0.008 | 0.16  | 0.1   | <0.01 | 2.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0089 | Soil                             | 10    | 27    | 0.59  | 186   | 0.083 | <1    | 1.80  | 0.009 | 0.11  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0090 | Soil                             | 13    | 28    | 0.47  | 344   | 0.064 | 1     | 1.71  | 0.009 | 0.11  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0091 | Soil                             | 23    | 106   | 2.12  | 562   | 0.222 | <1    | 2.41  | 0.014 | 0.32  | <0.1  | <0.01 | 4.6   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0075 | Soil                             | 38    | 23    | 0.43  | 959   | 0.028 | 3     | 1.50  | 0.012 | 0.21  | <0.1  | 0.03  | 8.7   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |



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Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11TB0076 | Soil                             | 1.7        | 26.8       | 10.0       | 79       | <0.1       | 36.4       | 14.2       | 632      | 3.95      | 3.7        | 0.6        | 8.3        | 3.2        | 25       | 0.1        | 0.3        | 0.1        | 64       | 0.41      |
| 11TB0077 | Soil                             | 0.7        | 31.3       | 8.5        | 106      | <0.1       | 11.5       | 12.6       | 750      | 3.91      | 2.7        | 0.5        | 2.8        | 1.9        | 19       | 0.1        | 0.1        | <0.1       | 93       | 0.37      |
| 11TB0078 | Soil                             | 1.2        | 15.3       | 9.4        | 71       | <0.1       | 17.3       | 8.8        | 530      | 3.15      | 8.2        | 0.5        | 2.9        | 3.8        | 16       | <0.1       | 0.4        | 0.1        | 63       | 0.15      |
| 11TB0079 | Soil                             | 0.7        | 12.7       | 10.4       | 75       | <0.1       | 18.8       | 11.2       | 674      | 3.11      | 5.5        | 0.4        | 2.1        | 3.2        | 21       | <0.1       | 0.3        | <0.1       | 59       | 0.29      |
| 11TB0080 | Soil                             | 1.4        | 13.5       | 13.2       | 64       | 0.2        | 15.6       | 7.6        | 547      | 2.93      | 7.4        | 0.4        | 46.6       | 2.9        | 18       | 0.2        | 0.4        | 0.7        | 58       | 0.24      |
| 11TB0081 | Soil                             | 1.2        | 14.3       | 10.7       | 59       | <0.1       | 23.2       | 8.3        | 341      | 2.97      | 7.5        | 0.5        | 1.4        | 3.4        | 17       | <0.1       | 0.4        | 0.2        | 60       | 0.19      |
| 11TB0082 | Soil                             | 1.1        | 17.6       | 9.7        | 84       | <0.1       | 48.5       | 15.8       | 832      | 3.84      | 5.9        | 0.5        | 3.3        | 3.1        | 20       | 0.1        | 0.3        | 0.1        | 75       | 0.26      |
| 11TB0083 | Soil                             | 0.8        | 24.9       | 9.3        | 48       | 0.2        | 56.3       | 12.2       | 412      | 2.91      | 6.9        | 0.9        | 6.5        | 4.6        | 32       | <0.1       | 0.4        | <0.1       | 65       | 0.34      |
| 11TB0084 | Soil                             | 1.1        | 15.9       | 10.0       | 74       | <0.1       | 14.7       | 8.5        | 751      | 2.98      | 8.5        | 0.5        | 1.8        | 1.7        | 11       | 0.2        | 0.5        | 0.1        | 65       | 0.10      |
| 11TB0085 | Soil                             | 0.9        | 9.2        | 10.4       | 29       | <0.1       | 7.2        | 3.1        | 110      | 1.80      | 4.8        | 0.5        | <0.5       | 1.1        | 9        | <0.1       | 0.3        | 0.2        | 50       | 0.09      |
| 11TB0086 | Soil                             | 0.6        | 14.0       | 6.0        | 64       | <0.1       | 10.1       | 7.4        | 486      | 2.70      | 5.0        | 0.6        | 2.4        | 2.5        | 12       | 0.1        | 0.3        | 0.1        | 58       | 0.14      |
| 11TB0087 | Soil                             | 0.7        | 16.2       | 7.0        | 63       | <0.1       | 13.7       | 9.0        | 427      | 2.80      | 5.7        | 0.5        | 2.0        | 3.3        | 15       | <0.1       | 0.3        | <0.1       | 58       | 0.18      |
| 11TB0088 | Soil                             | 0.7        | 21.8       | 7.1        | 70       | <0.1       | 14.4       | 10.1       | 431      | 3.19      | 5.7        | 0.5        | 1.5        | 2.9        | 14       | <0.1       | 0.3        | <0.1       | 75       | 0.17      |
| 11TB0089 | Soil                             | 0.8        | 17.0       | 8.3        | 57       | <0.1       | 11.3       | 7.2        | 329      | 2.82      | 5.3        | 0.5        | 2.5        | 2.7        | 10       | 0.2        | 0.3        | 0.1        | 68       | 0.10      |
| 11TB0090 | Soil                             | 0.6        | 7.9        | 6.0        | 50       | <0.1       | 7.8        | 4.7        | 264      | 1.41      | 2.3        | 0.6        | 1.9        | 0.8        | 11       | <0.1       | 0.2        | <0.1       | 31       | 0.13      |
| 11TB0091 | Soil                             | 0.7        | 13.0       | 8.1        | 79       | <0.1       | 15.4       | 10.5       | 581      | 2.68      | 6.2        | 0.6        | 5.2        | 2.2        | 13       | <0.1       | 0.4        | 0.1        | 53       | 0.20      |
| 11TB0092 | Soil                             | 0.6        | 6.2        | 7.6        | 34       | <0.1       | 5.6        | 4.5        | 239      | 1.44      | 3.4        | 0.3        | 2.7        | 1.2        | 8        | 0.1        | 0.2        | 0.2        | 49       | 0.09      |
| 11TB0093 | Soil                             | 0.9        | 13.7       | 8.8        | 62       | <0.1       | 21.3       | 10.8       | 263      | 2.94      | 8.2        | 0.5        | 2.5        | 2.9        | 9        | <0.1       | 0.4        | 0.1        | 54       | 0.10      |
| 11TB0094 | Soil                             | 1.1        | 19.5       | 8.5        | 62       | <0.1       | 40.1       | 11.7       | 245      | 3.39      | 7.7        | 0.5        | 2.1        | 3.1        | 11       | 0.1        | 0.5        | 0.1        | 79       | 0.11      |
| 11TB0095 | Soil                             | 1.3        | 10.0       | 8.9        | 61       | <0.1       | 15.1       | 10.1       | 482      | 3.21      | 8.6        | 0.5        | 2.6        | 2.9        | 9        | <0.1       | 0.3        | 0.1        | 70       | 0.09      |
| 11TB0096 | Soil                             | 1.1        | 13.4       | 7.8        | 57       | 0.1        | 22.1       | 8.3        | 282      | 2.85      | 5.9        | 0.5        | 5.1        | 2.8        | 12       | <0.1       | 0.3        | 0.1        | 64       | 0.15      |
| 11TB0097 | Soil                             | 1.0        | 24.3       | 10.0       | 71       | 0.2        | 33.8       | 15.8       | 657      | 3.53      | 4.0        | 1.1        | 3.5        | 3.3        | 14       | <0.1       | 0.2        | <0.1       | 76       | 0.20      |
| 11TB0098 | Soil                             | 1.1        | 13.3       | 7.0        | 62       | 0.1        | 17.0       | 10.8       | 861      | 2.92      | 5.5        | 0.5        | 4.1        | 2.9        | 17       | <0.1       | 0.3        | 0.1        | 67       | 0.22      |
| 11TB0099 | Soil                             | 0.6        | 12.5       | 5.3        | 96       | <0.1       | 12.1       | 11.0       | 690      | 4.15      | 2.5        | 0.6        | 3.7        | 4.0        | 11       | 0.1        | 0.2        | 0.1        | 64       | 0.23      |
| 11TB0100 | Soil                             | 0.9        | 16.3       | 8.1        | 51       | 0.2        | 12.6       | 9.4        | 718      | 2.76      | 4.5        | 0.7        | 5.3        | 2.2        | 19       | 0.2        | 0.3        | 0.2        | 59       | 0.29      |
| 11TB0101 | Soil                             | 1.0        | 15.2       | 9.1        | 54       | 0.2        | 12.8       | 10.5       | 835      | 2.81      | 4.3        | 0.5        | 8.0        | 2.5        | 19       | 0.1        | 0.3        | 0.2        | 63       | 0.28      |
| 11TB0102 | Soil                             | 2.2        | 16.6       | 24.0       | 57       | 0.1        | 9.8        | 8.3        | 657      | 3.14      | 3.3        | 0.8        | 46.3       | 4.4        | 13       | 0.1        | 0.4        | 0.2        | 41       | 0.15      |
| 11TB0103 | Soil                             | 1.7        | 17.0       | 40.8       | 66       | 0.1        | 15.1       | 7.6        | 685      | 2.87      | 5.6        | 0.5        | 15.0       | 2.4        | 21       | 0.3        | 0.3        | 0.2        | 59       | 0.34      |
| 11NG0092 | Soil                             | 1.5        | 40.9       | 5.4        | 79       | <0.1       | 12.1       | 12.8       | 528      | 3.18      | 3.3        | 0.6        | 4.4        | 2.7        | 15       | <0.1       | 0.2        | <0.1       | 69       | 0.32      |
| 11NG0093 | Soil                             | 1.0        | 34.7       | 7.5        | 91       | <0.1       | 16.2       | 13.0       | 554      | 2.88      | 4.9        | 0.7        | 3.9        | 2.8        | 16       | <0.1       | 0.3        | 0.1        | 61       | 0.29      |



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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0076 | Soil                             | 15    | 53    | 1.25  | 305   | 0.044 | <1    | 2.08  | 0.011 | 0.12  | <0.1  | <0.01 | 5.1   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11TB0077 | Soil                             | 9     | 29    | 1.47  | 473   | 0.224 | <1    | 2.11  | 0.014 | 0.78  | <0.1  | <0.01 | 7.6   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0078 | Soil                             | 11    | 30    | 0.61  | 306   | 0.104 | <1    | 1.92  | 0.010 | 0.17  | 0.1   | 0.01  | 4.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0079 | Soil                             | 9     | 43    | 1.05  | 276   | 0.152 | <1    | 1.99  | 0.012 | 0.50  | 0.1   | <0.01 | 4.3   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0080 | Soil                             | 10    | 23    | 0.44  | 242   | 0.076 | <1    | 1.73  | 0.009 | 0.14  | 0.1   | 0.01  | 3.1   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11TB0081 | Soil                             | 12    | 39    | 0.66  | 328   | 0.075 | <1    | 1.97  | 0.010 | 0.06  | 0.1   | 0.02  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0082 | Soil                             | 13    | 84    | 1.15  | 314   | 0.092 | 1     | 2.07  | 0.008 | 0.13  | <0.1  | 0.02  | 5.9   | 0.1   | <0.05 | 8     | 0.8   | <0.2  |
| 11TB0083 | Soil                             | 21    | 83    | 0.94  | 547   | 0.096 | <1    | 1.78  | 0.016 | 0.06  | 0.1   | 0.02  | 6.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0084 | Soil                             | 9     | 29    | 0.43  | 196   | 0.059 | <1    | 1.93  | 0.009 | 0.08  | 0.1   | 0.01  | 2.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0085 | Soil                             | 10    | 17    | 0.26  | 122   | 0.067 | <1    | 1.18  | 0.007 | 0.07  | <0.1  | 0.01  | 1.8   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11TB0086 | Soil                             | 11    | 19    | 0.70  | 177   | 0.119 | <1    | 1.66  | 0.008 | 0.26  | 0.1   | 0.01  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0087 | Soil                             | 11    | 23    | 0.73  | 192   | 0.123 | <1    | 1.76  | 0.010 | 0.15  | 0.1   | <0.01 | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0088 | Soil                             | 9     | 26    | 0.82  | 181   | 0.151 | <1    | 2.06  | 0.011 | 0.17  | 0.1   | <0.01 | 4.1   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11TB0089 | Soil                             | 10    | 22    | 0.54  | 126   | 0.130 | <1    | 1.75  | 0.009 | 0.14  | 0.1   | 0.01  | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0090 | Soil                             | 9     | 14    | 0.44  | 145   | 0.059 | <1    | 1.09  | 0.009 | 0.09  | <0.1  | 0.02  | 1.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0091 | Soil                             | 11    | 25    | 0.77  | 232   | 0.081 | 1     | 1.89  | 0.011 | 0.13  | 0.1   | <0.01 | 3.7   | <0.1  | 0.07  | 6     | <0.5  | <0.2  |
| 11TB0092 | Soil                             | 8     | 16    | 0.32  | 86    | 0.067 | <1    | 1.02  | 0.008 | 0.10  | 0.1   | <0.01 | 1.7   | <0.1  | 0.06  | 6     | <0.5  | <0.2  |
| 11TB0093 | Soil                             | 8     | 28    | 0.55  | 202   | 0.065 | <1    | 2.12  | 0.011 | 0.06  | 0.1   | 0.03  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0094 | Soil                             | 12    | 80    | 0.88  | 217   | 0.114 | 1     | 2.05  | 0.009 | 0.09  | <0.1  | <0.01 | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0095 | Soil                             | 10    | 34    | 0.68  | 134   | 0.077 | 1     | 1.72  | 0.009 | 0.07  | 0.2   | <0.01 | 2.9   | <0.1  | <0.05 | 7     | 0.9   | <0.2  |
| 11TB0096 | Soil                             | 10    | 41    | 0.68  | 225   | 0.086 | 2     | 1.86  | 0.010 | 0.08  | 0.1   | <0.01 | 3.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0097 | Soil                             | 11    | 59    | 1.17  | 342   | 0.154 | 2     | 2.21  | 0.010 | 0.17  | 0.1   | <0.01 | 5.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0098 | Soil                             | 10    | 33    | 0.64  | 331   | 0.103 | <1    | 1.75  | 0.011 | 0.10  | 0.2   | <0.01 | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0099 | Soil                             | 15    | 25    | 0.80  | 348   | 0.136 | 1     | 1.88  | 0.009 | 0.52  | 0.1   | <0.01 | 7.3   | 0.2   | <0.05 | 7     | 0.8   | <0.2  |
| 11TB0100 | Soil                             | 16    | 24    | 0.45  | 411   | 0.081 | 2     | 1.40  | 0.012 | 0.19  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0101 | Soil                             | 15    | 25    | 0.49  | 398   | 0.091 | 3     | 1.52  | 0.013 | 0.17  | 0.1   | <0.01 | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0102 | Soil                             | 24    | 18    | 0.38  | 460   | 0.044 | 1     | 1.43  | 0.010 | 0.27  | <0.1  | <0.01 | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0103 | Soil                             | 13    | 26    | 0.46  | 369   | 0.071 | 2     | 1.36  | 0.011 | 0.21  | 0.1   | 0.01  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0092 | Soil                             | 13    | 24    | 1.13  | 320   | 0.158 | <1    | 1.99  | 0.018 | 0.35  | 0.1   | <0.01 | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0093 | Soil                             | 14    | 31    | 1.21  | 253   | 0.136 | 2     | 2.06  | 0.014 | 0.24  | 0.1   | <0.01 | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
| 11NG0094 | Soil                             | 1.1   | 11.3  | 9.4   | 60    | <0.1  | 12.5  | 6.6   | 335   | 3.21  | 9.4   | 0.4   | 2.7   | 2.0   | 10    | <0.1  | 0.4   | 0.1   | 89    | 0.11  |
| 11NG0095 | Soil                             | 0.6   | 38.0  | 7.2   | 93    | <0.1  | 15.8  | 13.1  | 694   | 2.87  | 3.9   | 0.6   | 3.8   | 3.0   | 15    | <0.1  | 0.3   | <0.1  | 58    | 0.30  |
| 11NG0096 | Soil                             | 1.2   | 10.0  | 9.5   | 41    | <0.1  | 8.9   | 5.0   | 209   | 2.19  | 5.5   | 0.3   | 1.7   | 1.3   | 9     | <0.1  | 0.3   | 0.2   | 64    | 0.10  |
| 11NG0097 | Soil                             | 0.9   | 17.9  | 10.3  | 77    | 0.2   | 12.7  | 10.0  | 544   | 3.43  | 3.3   | 0.5   | 3.9   | 3.2   | 17    | <0.1  | 0.2   | 0.1   | 73    | 0.24  |
| 11NG0098 | Soil                             | 0.9   | 12.8  | 8.1   | 65    | 0.2   | 12.1  | 5.3   | 534   | 2.25  | 4.5   | 0.3   | 2.9   | 1.8   | 23    | 0.2   | 0.3   | 0.1   | 61    | 0.47  |
| 11NG0099 | Soil                             | 1.1   | 15.0  | 10.1  | 59    | 0.1   | 13.8  | 7.2   | 439   | 2.64  | 5.9   | 0.4   | 1.6   | 2.3   | 15    | 0.2   | 0.3   | 0.1   | 70    | 0.19  |
| 11NG0100 | Soil                             | 0.9   | 17.0  | 8.7   | 81    | 0.2   | 18.1  | 10.1  | 603   | 3.21  | 8.5   | 0.4   | 8.4   | 2.7   | 20    | 0.2   | 0.4   | 0.1   | 72    | 0.33  |
| 11NG0101 | Soil                             | 0.8   | 16.9  | 9.7   | 87    | 0.2   | 18.4  | 9.8   | 729   | 3.17  | 8.1   | 0.4   | 3.0   | 2.7   | 24    | 0.1   | 0.5   | 0.1   | 71    | 0.37  |
| 11NG0102 | Soil                             | 0.9   | 19.1  | 7.7   | 96    | 0.1   | 18.2  | 10.7  | 663   | 3.40  | 6.2   | 1.0   | <0.5  | 5.7   | 21    | 0.1   | 0.3   | <0.1  | 58    | 0.30  |
| 11NG0103 | Soil                             | 0.6   | 32.9  | 10.1  | 71    | 0.3   | 32.4  | 14.3  | 439   | 3.16  | 4.7   | 0.3   | 3.4   | 1.7   | 20    | 0.1   | 0.3   | <0.1  | 83    | 0.31  |
| 11NG0104 | Soil                             | 1.0   | 35.9  | 13.2  | 77    | 0.4   | 34.5  | 15.7  | 528   | 3.66  | 7.5   | 0.3   | 4.3   | 2.2   | 18    | 0.3   | 0.5   | 0.1   | 94    | 0.29  |
| 11NG0105 | Soil                             | 0.9   | 36.5  | 6.7   | 91    | <0.1  | 18.5  | 13.3  | 454   | 3.70  | 4.8   | 0.5   | 6.1   | 3.1   | 11    | <0.1  | 0.2   | 0.1   | 79    | 0.13  |
| 11NG0106 | Soil                             | 0.6   | 22.2  | 8.7   | 68    | <0.1  | 57.2  | 15.5  | 380   | 3.30  | 6.0   | 0.7   | 7.2   | 4.1   | 20    | 0.1   | 0.3   | 0.1   | 65    | 0.23  |
| 11NG0107 | Soil                             | 1.0   | 21.9  | 8.8   | 54    | <0.1  | 28.6  | 12.2  | 315   | 3.05  | 9.8   | 0.7   | 4.0   | 3.9   | 14    | 0.2   | 0.4   | 0.1   | 60    | 0.14  |
| 11NG0108 | Soil                             | 0.7   | 50.4  | 6.1   | 73    | <0.1  | 176.0 | 30.4  | 410   | 4.99  | 3.9   | 1.1   | 3.4   | 8.2   | 85    | 0.2   | 0.3   | <0.1  | 111   | 1.04  |
| 11NG0109 | Soil                             | 1.2   | 30.4  | 11.0  | 66    | 0.1   | 21.8  | 9.4   | 491   | 2.76  | 8.8   | 1.1   | 3.7   | 3.5   | 14    | 0.2   | 0.5   | 0.2   | 60    | 0.17  |
| 11NG0110 | Soil                             | 1.0   | 13.9  | 8.8   | 64    | <0.1  | 16.7  | 7.9   | 333   | 2.47  | 6.7   | 0.6   | 2.8   | 2.2   | 14    | <0.1  | 0.3   | 0.1   | 51    | 0.18  |
| 11NG0111 | Soil                             | 0.8   | 15.6  | 8.1   | 64    | <0.1  | 19.9  | 11.7  | 398   | 2.80  | 6.9   | 0.8   | 4.6   | 4.0   | 12    | <0.1  | 0.4   | <0.1  | 56    | 0.13  |
| 11NG0112 | Soil                             | 0.8   | 14.6  | 7.3   | 94    | <0.1  | 14.8  | 14.8  | 577   | 3.24  | 5.4   | 0.3   | 3.8   | 1.8   | 10    | <0.1  | 0.3   | <0.1  | 70    | 0.15  |
| 11NG0113 | Soil                             | 0.7   | 17.7  | 7.0   | 79    | <0.1  | 14.0  | 12.0  | 411   | 2.92  | 4.0   | 0.6   | 2.7   | 2.7   | 16    | <0.1  | 0.3   | <0.1  | 62    | 0.31  |
| 11NG0114 | Soil                             | 0.7   | 22.0  | 6.0   | 111   | <0.1  | 16.1  | 20.3  | 502   | 3.71  | 2.8   | 0.7   | 1.5   | 3.4   | 20    | <0.1  | 0.2   | 0.1   | 92    | 0.56  |
| 11NG0115 | Soil                             | 0.5   | 27.5  | 5.2   | 138   | <0.1  | 13.4  | 25.9  | 784   | 4.78  | 1.7   | 0.5   | 1.8   | 3.2   | 19    | <0.1  | 0.1   | 0.1   | 129   | 0.69  |
| 11NG0116 | Soil                             | 1.1   | 23.3  | 8.4   | 64    | 0.1   | 20.0  | 12.5  | 410   | 3.09  | 6.6   | 0.5   | 3.7   | 3.2   | 18    | <0.1  | 0.3   | 0.2   | 75    | 0.27  |
| 11NG0117 | Soil                             | 0.8   | 11.3  | 10.1  | 71    | <0.1  | 18.1  | 10.8  | 489   | 3.07  | 6.2   | 0.5   | 2.6   | 2.4   | 19    | 0.1   | 0.3   | 0.2   | 82    | 0.27  |
| 11NG0118 | Soil                             | 0.6   | 10.8  | 5.1   | 128   | <0.1  | 18.9  | 20.7  | 914   | 3.46  | 4.5   | 0.3   | <0.5  | 3.2   | 14    | <0.1  | 0.3   | 0.1   | 79    | 0.23  |
| 11NG0119 | Soil                             | 0.5   | 37.9  | 9.1   | 76    | <0.1  | 168.8 | 27.2  | 564   | 4.04  | 4.7   | 1.2   | 1.5   | 8.0   | 89    | <0.1  | 0.3   | 0.1   | 87    | 0.82  |
| 11NG0120 | Soil                             | 1.2   | 15.0  | 8.0   | 76    | <0.1  | 22.1  | 9.8   | 334   | 3.56  | 7.0   | 0.6   | 4.4   | 4.0   | 9     | <0.1  | 0.4   | 0.2   | 62    | 0.09  |
| 11NG0121 | Soil                             | 1.4   | 14.3  | 9.1   | 72    | <0.1  | 20.1  | 8.8   | 331   | 3.44  | 7.7   | 0.6   | 2.1   | 3.7   | 10    | <0.1  | 0.5   | 0.2   | 67    | 0.10  |
| 11TB0104 | Soil                             | 2.0   | 18.0  | 30.2  | 107   | <0.1  | 11.1  | 10.2  | 645   | 3.95  | 2.4   | 0.8   | 17.4  | 5.8   | 13    | <0.1  | 0.5   | 0.2   | 61    | 0.19  |
| 11TB0105 | Soil                             | 4.4   | 29.0  | 17.6  | 73    | 0.1   | 19.0  | 10.7  | 423   | 3.59  | 6.9   | 0.8   | 148.4 | 3.8   | 22    | 0.1   | 0.4   | 0.2   | 70    | 0.27  |



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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0094 | Soil                             | 8     | 26    | 0.56  | 76    | 0.113 | 2     | 1.49  | 0.010 | 0.06  | 0.2   | 0.02  | 2.6   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0095 | Soil                             | 15    | 32    | 1.05  | 235   | 0.130 | 2     | 1.87  | 0.014 | 0.30  | 0.1   | 0.02  | 4.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0096 | Soil                             | 8     | 20    | 0.45  | 80    | 0.095 | <1    | 1.20  | 0.009 | 0.08  | 0.1   | 0.01  | 2.5   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0097 | Soil                             | 11    | 25    | 0.88  | 265   | 0.153 | <1    | 2.03  | 0.014 | 0.33  | 0.1   | <0.01 | 4.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0098 | Soil                             | 7     | 21    | 0.54  | 220   | 0.104 | 1     | 1.39  | 0.013 | 0.18  | 0.1   | 0.02  | 2.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0099 | Soil                             | 11    | 25    | 0.49  | 285   | 0.096 | 2     | 1.41  | 0.012 | 0.14  | 0.1   | <0.01 | 2.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0100 | Soil                             | 7     | 30    | 0.74  | 255   | 0.114 | 2     | 1.98  | 0.014 | 0.25  | 0.1   | <0.01 | 3.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0101 | Soil                             | 7     | 28    | 0.70  | 291   | 0.109 | 3     | 1.91  | 0.015 | 0.23  | 0.1   | <0.01 | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0102 | Soil                             | 12    | 28    | 0.83  | 239   | 0.139 | <1    | 2.18  | 0.011 | 0.40  | <0.1  | <0.01 | 4.3   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0103 | Soil                             | 7     | 70    | 1.11  | 292   | 0.144 | <1    | 2.24  | 0.020 | 0.21  | <0.1  | <0.01 | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0104 | Soil                             | 6     | 77    | 1.06  | 286   | 0.126 | 1     | 2.42  | 0.023 | 0.14  | <0.1  | <0.01 | 3.6   | <0.1  | <0.05 | 7     | 0.8   | <0.2  |
| 11NG0105 | Soil                             | 9     | 50    | 1.20  | 253   | 0.131 | <1    | 2.44  | 0.011 | 0.38  | <0.1  | <0.01 | 6.6   | 0.4   | <0.05 | 7     | 0.9   | <0.2  |
| 11NG0106 | Soil                             | 19    | 79    | 1.07  | 432   | 0.105 | 2     | 2.19  | 0.012 | 0.15  | <0.1  | <0.01 | 4.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0107 | Soil                             | 9     | 39    | 0.57  | 235   | 0.069 | 1     | 2.38  | 0.014 | 0.07  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0108 | Soil                             | 67    | 259   | 2.02  | 1467  | 0.175 | 2     | 2.56  | 0.015 | 0.14  | <0.1  | 0.01  | 11.0  | 0.2   | <0.05 | 8     | 0.7   | <0.2  |
| 11NG0109 | Soil                             | 14    | 32    | 0.46  | 285   | 0.062 | <1    | 2.08  | 0.013 | 0.07  | 0.1   | 0.01  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0110 | Soil                             | 10    | 26    | 0.53  | 294   | 0.058 | 1     | 1.70  | 0.012 | 0.12  | 0.1   | <0.01 | 2.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0111 | Soil                             | 12    | 32    | 0.74  | 203   | 0.098 | 2     | 2.08  | 0.013 | 0.14  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0112 | Soil                             | 7     | 29    | 1.42  | 162   | 0.149 | <1    | 2.06  | 0.014 | 0.30  | 0.1   | <0.01 | 4.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0113 | Soil                             | 11    | 24    | 1.00  | 231   | 0.131 | 1     | 1.83  | 0.014 | 0.17  | 0.1   | 0.01  | 5.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0114 | Soil                             | 15    | 25    | 1.90  | 346   | 0.183 | 1     | 2.59  | 0.013 | 0.44  | 0.1   | 0.02  | 11.2  | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0115 | Soil                             | 15    | 24    | 2.49  | 417   | 0.218 | <1    | 3.08  | 0.013 | 0.79  | 0.1   | <0.01 | 14.7  | 0.3   | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0116 | Soil                             | 10    | 39    | 0.86  | 227   | 0.132 | 1     | 2.05  | 0.011 | 0.13  | 0.2   | 0.03  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0117 | Soil                             | 11    | 35    | 0.84  | 250   | 0.103 | 2     | 1.77  | 0.008 | 0.09  | 0.1   | 0.02  | 5.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0118 | Soil                             | 14    | 33    | 1.72  | 294   | 0.161 | 1     | 2.46  | 0.008 | 0.38  | 0.1   | 0.01  | 11.3  | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0119 | Soil                             | 45    | 207   | 2.15  | 974   | 0.195 | 1     | 2.48  | 0.014 | 0.11  | <0.1  | 0.02  | 9.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0120 | Soil                             | 13    | 36    | 0.73  | 137   | 0.079 | 1     | 2.07  | 0.007 | 0.12  | 0.1   | 0.03  | 3.7   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0121 | Soil                             | 13    | 35    | 0.66  | 137   | 0.081 | 1     | 2.04  | 0.008 | 0.10  | 0.1   | 0.02  | 3.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0104 | Soil                             | 20    | 22    | 0.82  | 317   | 0.173 | 1     | 1.82  | 0.007 | 0.71  | <0.1  | 0.02  | 8.4   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0105 | Soil                             | 14    | 31    | 0.74  | 328   | 0.105 | 2     | 1.93  | 0.012 | 0.17  | 0.1   | 0.02  | 6.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |



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Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11TB0106 | Soil                             | 1.2   | 20.3  | 11.1  | 71    | <0.1  | 36.4  | 15.1  | 514   | 3.64  | 6.6   | 0.4   | 1.6   | 2.2   | 26    | 0.1   | 0.4   | 0.2   | 94    | 0.41  | 0.024 |
| 11TB0107 | Soil                             | 2.4   | 25.0  | 8.3   | 72    | 0.4   | 17.5  | 11.1  | 906   | 3.07  | 4.0   | 1.6   | 49.0  | 2.9   | 40    | 0.2   | 0.3   | 0.2   | 57    | 0.75  | 0.080 |
| 11TB0108 | Soil                             | 1.2   | 19.8  | 7.6   | 67    | 0.1   | 17.2  | 10.2  | 408   | 3.02  | 4.8   | 0.9   | 2.9   | 2.8   | 30    | <0.1  | 0.3   | 0.1   | 71    | 0.49  | 0.073 |
| 11TB0109 | Soil                             | 0.9   | 20.1  | 7.7   | 59    | <0.1  | 17.3  | 10.6  | 316   | 3.17  | 5.8   | 0.7   | 3.7   | 3.5   | 21    | <0.1  | 0.3   | 0.1   | 69    | 0.30  | 0.050 |
| 11TB0110 | Soil                             | 0.9   | 25.0  | 8.5   | 57    | <0.1  | 20.3  | 10.0  | 331   | 2.85  | 6.8   | 0.8   | 2.2   | 3.8   | 31    | <0.1  | 0.4   | 0.1   | 68    | 0.42  | 0.067 |
| 11TB0111 | Soil                             | 1.4   | 21.3  | 9.0   | 84    | 0.1   | 16.1  | 13.1  | 1245  | 3.57  | 5.8   | 0.5   | 1.6   | 3.3   | 17    | <0.1  | 0.4   | 0.2   | 90    | 0.19  | 0.055 |
| 11TB0112 | Soil                             | 1.0   | 28.2  | 7.0   | 97    | <0.1  | 13.5  | 12.5  | 455   | 4.17  | 3.2   | 0.6   | 3.2   | 4.4   | 16    | <0.1  | 0.2   | 0.2   | 89    | 0.34  | 0.056 |
| 11TB0113 | Soil                             | 1.4   | 24.5  | 9.2   | 70    | 0.2   | 36.2  | 11.7  | 539   | 3.57  | 3.7   | 1.0   | 7.8   | 4.8   | 30    | 0.1   | 0.3   | 0.2   | 83    | 0.34  | 0.055 |
| 11TB0114 | Soil                             | 1.8   | 17.9  | 9.8   | 58    | 0.1   | 16.6  | 8.3   | 297   | 3.02  | 5.6   | 0.6   | 9.8   | 3.4   | 18    | <0.1  | 0.4   | 0.2   | 68    | 0.22  | 0.026 |
| 11TB0115 | Soil                             | 2.4   | 26.7  | 8.0   | 71    | 0.3   | 18.4  | 10.6  | 635   | 3.07  | 3.9   | 1.4   | 39.1  | 3.4   | 31    | 0.1   | 0.3   | 0.2   | 61    | 0.45  | 0.058 |
| 11TB0116 | Soil                             | 2.2   | 26.6  | 11.7  | 70    | 0.3   | 18.8  | 13.0  | 596   | 3.34  | 5.4   | 1.2   | 15.0  | 3.3   | 38    | 0.3   | 0.3   | 0.1   | 69    | 0.70  | 0.090 |
| 11TB0117 | Soil                             | 1.1   | 20.4  | 7.9   | 60    | <0.1  | 18.6  | 10.9  | 339   | 3.14  | 7.0   | 0.7   | 3.2   | 3.3   | 25    | <0.1  | 0.4   | 0.2   | 78    | 0.29  | 0.040 |
| 11TB0118 | Soil                             | 1.3   | 23.4  | 9.1   | 84    | 0.3   | 17.2  | 9.7   | 593   | 3.20  | 4.0   | 0.9   | 7.5   | 3.4   | 27    | <0.1  | 0.2   | 0.2   | 68    | 0.38  | 0.051 |
| 11TB0119 | Soil                             | 1.8   | 39.1  | 8.0   | 78    | 0.3   | 22.1  | 12.3  | 525   | 3.66  | 3.6   | 1.5   | 20.2  | 3.6   | 22    | <0.1  | 0.2   | 0.1   | 73    | 0.28  | 0.052 |
| 11TB0120 | Soil                             | 1.4   | 22.6  | 8.0   | 64    | <0.1  | 19.5  | 10.6  | 380   | 3.25  | 5.7   | 0.7   | 7.9   | 4.0   | 20    | <0.1  | 0.3   | 0.1   | 71    | 0.26  | 0.031 |
| 11TB0121 | Soil                             | 1.6   | 24.8  | 9.1   | 73    | 0.2   | 21.6  | 11.0  | 574   | 3.28  | 5.8   | 0.7   | 6.5   | 4.1   | 28    | <0.1  | 0.3   | 0.2   | 75    | 0.47  | 0.049 |
| 11TB0122 | Soil                             | 1.7   | 22.9  | 7.4   | 72    | 0.1   | 17.9  | 10.2  | 519   | 3.35  | 4.3   | 1.0   | 19.8  | 4.8   | 25    | <0.1  | 0.3   | 0.2   | 66    | 0.36  | 0.039 |
| 11TB0123 | Soil                             | 1.9   | 21.9  | 8.5   | 60    | 0.2   | 18.0  | 10.1  | 531   | 2.97  | 4.9   | 0.9   | 19.8  | 3.8   | 28    | 0.1   | 0.3   | 0.2   | 67    | 0.37  | 0.034 |
| 11TB0124 | Soil                             | 1.7   | 20.8  | 7.8   | 59    | 0.2   | 16.8  | 9.4   | 482   | 2.85  | 4.8   | 1.0   | 19.6  | 3.1   | 30    | 0.1   | 0.3   | 0.2   | 56    | 0.50  | 0.048 |
| 11TB0125 | Soil                             | 1.3   | 16.6  | 9.0   | 47    | 0.1   | 18.2  | 7.6   | 244   | 2.43  | 6.0   | 0.7   | 11.2  | 3.4   | 29    | <0.1  | 0.3   | 0.1   | 61    | 0.42  | 0.042 |
| 11TB0126 | Soil                             | 0.9   | 21.3  | 8.2   | 64    | <0.1  | 19.2  | 14.0  | 334   | 3.28  | 6.3   | 0.6   | 3.1   | 3.4   | 24    | <0.1  | 0.3   | 0.1   | 90    | 0.28  | 0.047 |
| 11TB0127 | Soil                             | 0.9   | 27.6  | 8.9   | 62    | <0.1  | 22.7  | 11.9  | 350   | 3.27  | 7.2   | 0.7   | 1.8   | 3.8   | 30    | <0.1  | 0.5   | 0.2   | 83    | 0.36  | 0.041 |
| 11TB0128 | Soil                             | 0.9   | 14.9  | 7.1   | 96    | <0.1  | 22.2  | 13.3  | 718   | 4.42  | 6.0   | 0.4   | <0.5  | 3.7   | 21    | <0.1  | 0.4   | 0.1   | 75    | 0.25  | 0.039 |
| 11TB0129 | Soil                             | 2.6   | 20.0  | 9.7   | 59    | 0.2   | 24.5  | 11.2  | 452   | 2.98  | 5.2   | 0.7   | 513.9 | 4.0   | 26    | <0.1  | 0.4   | 0.1   | 63    | 0.38  | 0.058 |
| 11TB0130 | Soil                             | 2.3   | 34.6  | 9.6   | 70    | <0.1  | 28.0  | 15.8  | 416   | 3.85  | 6.6   | 0.5   | 4.2   | 3.1   | 25    | <0.1  | 0.4   | 0.1   | 96    | 0.27  | 0.046 |
| 11TB0131 | Soil                             | 1.1   | 15.2  | 9.4   | 84    | <0.1  | 15.3  | 11.6  | 850   | 3.94  | 6.9   | 0.3   | 1.9   | 2.6   | 24    | 0.1   | 0.4   | 0.2   | 87    | 0.20  | 0.055 |
| 11CB0107 | Soil                             | 1.3   | 16.6  | 9.1   | 50    | <0.1  | 14.6  | 7.1   | 363   | 2.68  | 5.7   | 0.8   | 18.0  | 3.8   | 15    | <0.1  | 0.4   | 0.2   | 54    | 0.14  | 0.018 |
| 11CB0108 | Soil                             | 1.2   | 26.4  | 7.8   | 81    | <0.1  | 17.7  | 12.1  | 689   | 3.45  | 5.6   | 0.4   | 4.9   | 2.4   | 18    | 0.1   | 0.3   | 0.2   | 77    | 0.28  | 0.049 |
| 11CB0109 | Soil                             | 1.2   | 29.2  | 6.6   | 100   | 0.1   | 25.7  | 18.9  | 592   | 4.13  | 3.1   | 0.8   | 10.2  | 2.2   | 27    | <0.1  | 0.2   | 0.1   | 92    | 0.70  | 0.094 |
| 11CB0110 | Soil                             | 1.9   | 25.2  | 7.4   | 62    | 0.3   | 19.5  | 10.1  | 409   | 2.84  | 4.7   | 1.3   | 12.9  | 1.9   | 39    | 0.2   | 0.3   | 0.2   | 55    | 0.63  | 0.082 |



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**Project:** Mariposa  
**Report Date:** July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0106 | Soil                             | 6     | 87    | 1.36  | 234   | 0.195 | 1     | 2.36  | 0.021 | 0.12  | <0.1  | 0.02  | 3.9   | <0.1  | 0.10  | 8     | <0.5  | <0.2  |
| 11TB0107 | Soil                             | 25    | 29    | 0.59  | 621   | 0.073 | 1     | 1.80  | 0.014 | 0.17  | 0.1   | 0.07  | 7.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0108 | Soil                             | 14    | 29    | 0.71  | 372   | 0.077 | 2     | 1.77  | 0.015 | 0.12  | 0.1   | 0.02  | 6.0   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11TB0109 | Soil                             | 13    | 29    | 0.66  | 214   | 0.091 | 1     | 1.70  | 0.014 | 0.09  | 0.1   | 0.02  | 4.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0110 | Soil                             | 14    | 32    | 0.64  | 256   | 0.097 | 2     | 1.70  | 0.019 | 0.06  | 0.2   | 0.03  | 5.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0111 | Soil                             | 11    | 31    | 0.75  | 430   | 0.154 | 2     | 2.02  | 0.011 | 0.25  | 0.1   | 0.02  | 5.4   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0112 | Soil                             | 14    | 24    | 1.15  | 409   | 0.241 | <1    | 2.46  | 0.015 | 0.78  | 0.2   | <0.01 | 7.1   | 0.4   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0113 | Soil                             | 28    | 62    | 0.97  | 458   | 0.128 | 1     | 2.01  | 0.015 | 0.24  | 0.1   | 0.02  | 6.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0114 | Soil                             | 13    | 31    | 0.59  | 300   | 0.105 | 1     | 1.70  | 0.011 | 0.15  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0115 | Soil                             | 22    | 29    | 0.61  | 539   | 0.087 | 2     | 1.91  | 0.013 | 0.23  | 0.1   | 0.05  | 7.3   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0116 | Soil                             | 16    | 32    | 0.71  | 529   | 0.077 | <1    | 2.03  | 0.015 | 0.11  | <0.1  | 0.04  | 6.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0117 | Soil                             | 13    | 35    | 0.73  | 244   | 0.101 | 1     | 2.11  | 0.014 | 0.06  | 0.1   | 0.02  | 5.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0118 | Soil                             | 26    | 30    | 0.73  | 449   | 0.116 | 2     | 1.76  | 0.011 | 0.26  | <0.1  | 0.03  | 5.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0119 | Soil                             | 21    | 40    | 0.81  | 461   | 0.084 | 1     | 2.10  | 0.013 | 0.24  | <0.1  | 0.03  | 8.6   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11TB0120 | Soil                             | 13    | 34    | 0.69  | 335   | 0.116 | 1     | 1.95  | 0.013 | 0.16  | 0.1   | 0.02  | 5.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0121 | Soil                             | 14    | 36    | 0.71  | 427   | 0.121 | 2     | 1.93  | 0.014 | 0.17  | <0.1  | 0.02  | 5.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0122 | Soil                             | 20    | 29    | 0.69  | 497   | 0.131 | <1    | 1.86  | 0.013 | 0.29  | 0.1   | 0.02  | 6.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0123 | Soil                             | 17    | 30    | 0.59  | 476   | 0.100 | 1     | 1.86  | 0.013 | 0.15  | 0.1   | 0.02  | 5.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0124 | Soil                             | 14    | 29    | 0.57  | 577   | 0.059 | 3     | 1.86  | 0.012 | 0.08  | 0.1   | 0.03  | 5.0   | <0.1  | 0.07  | 6     | <0.5  | <0.2  |
| 11TB0125 | Soil                             | 12    | 33    | 0.51  | 419   | 0.077 | <1    | 1.57  | 0.015 | 0.06  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0126 | Soil                             | 12    | 37    | 0.89  | 287   | 0.113 | 1     | 2.13  | 0.017 | 0.09  | <0.1  | 0.02  | 5.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0127 | Soil                             | 13    | 39    | 0.77  | 255   | 0.128 | <1    | 2.14  | 0.019 | 0.07  | 0.1   | 0.01  | 6.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0128 | Soil                             | 11    | 38    | 1.07  | 282   | 0.206 | 1     | 2.51  | 0.014 | 0.29  | <0.1  | 0.02  | 7.4   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0129 | Soil                             | 14    | 37    | 0.57  | 458   | 0.076 | 1     | 1.65  | 0.015 | 0.08  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0130 | Soil                             | 10    | 47    | 0.95  | 183   | 0.138 | 1     | 2.48  | 0.016 | 0.09  | <0.1  | <0.01 | 5.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0131 | Soil                             | 6     | 27    | 0.94  | 312   | 0.152 | 2     | 2.26  | 0.009 | 0.26  | 0.1   | 0.01  | 5.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0107 | Soil                             | 17    | 28    | 0.46  | 420   | 0.067 | 2     | 1.38  | 0.009 | 0.11  | 0.2   | 0.01  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0108 | Soil                             | 6     | 30    | 1.03  | 287   | 0.169 | 1     | 1.84  | 0.012 | 0.34  | <0.1  | <0.01 | 5.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0109 | Soil                             | 12    | 54    | 1.79  | 517   | 0.160 | 2     | 2.36  | 0.015 | 0.16  | <0.1  | 0.02  | 8.5   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0110 | Soil                             | 15    | 28    | 0.57  | 550   | 0.048 | 2     | 1.71  | 0.011 | 0.07  | <0.1  | 0.06  | 6.1   | <0.1  | 0.06  | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11CB0111 | Soil                             | 1.1        | 16.6       | 8.4        | 55       | 0.1        | 15.2       | 9.0        | 363      | 2.69      | 5.9        | 0.7        | 4.0        | 2.8        | 27       | <0.1       | 0.3        | 0.1        | 67       | 0.36      |
| 11CB0112 | Soil                             | 0.8        | 17.8       | 6.3        | 61       | <0.1       | 13.9       | 9.2        | 405      | 3.02      | 6.2        | 0.7        | 4.1        | 3.9        | 22       | <0.1       | 0.5        | 0.1        | 52       | 0.32      |
| 11CB0113 | Soil                             | 0.8        | 21.0       | 7.8        | 57       | <0.1       | 15.9       | 10.4       | 368      | 2.88      | 6.6        | 0.7        | 1.5        | 3.7        | 26       | <0.1       | 0.5        | 0.1        | 61       | 0.30      |
| 11CB0114 | Soil                             | 1.2        | 10.9       | 7.8        | 66       | 0.1        | 12.0       | 8.5        | 805      | 3.04      | 4.4        | 0.5        | 2.1        | 2.4        | 23       | 0.1        | 0.3        | 0.2        | 62       | 0.32      |
| 11CB0115 | Soil                             | 1.1        | 17.4       | 8.7        | 91       | 0.1        | 22.2       | 10.8       | 463      | 3.81      | 7.7        | 0.5        | 28.4       | 3.6        | 11       | 0.1        | 0.5        | 0.2        | 73       | 0.10      |
| 11CB0116 | Soil                             | 1.1        | 21.7       | 6.7        | 83       | 0.1        | 13.0       | 11.5       | 638      | 3.65      | 3.6        | 0.9        | 11.9       | 4.4        | 19       | 0.1        | 0.2        | 0.2        | 62       | 0.32      |
| 11CB0117 | Soil                             | 0.7        | 15.7       | 6.2        | 70       | <0.1       | 12.9       | 10.5       | 517      | 3.65      | 3.3        | 0.5        | 7.0        | 4.1        | 12       | <0.1       | 0.2        | 0.1        | 64       | 0.21      |
| 11CB0118 | Soil                             | 1.6        | 21.6       | 6.8        | 72       | 0.4        | 15.1       | 12.0       | 847      | 2.90      | 3.5        | 1.6        | 22.8       | 2.5        | 36       | 0.2        | 0.3        | 0.2        | 56       | 0.53      |
| 11CB0119 | Soil                             | 3.3        | 30.9       | 11.1       | 71       | 0.4        | 23.7       | 12.2       | 705      | 3.57      | 5.9        | 2.1        | 93.8       | 2.8        | 42       | <0.1       | 0.4        | 0.2        | 62       | 0.63      |
| 11CB0120 | Soil                             | 1.1        | 16.8       | 8.5        | 51       | <0.1       | 16.5       | 9.7        | 392      | 2.66      | 6.1        | 0.6        | 6.7        | 3.0        | 27       | <0.1       | 0.3        | 0.2        | 61       | 0.37      |
| 11CB0121 | Soil                             | 0.9        | 27.7       | 9.1        | 69       | <0.1       | 19.5       | 10.7       | 472      | 3.21      | 7.3        | 0.6        | 3.3        | 3.4        | 30       | <0.1       | 0.5        | 0.1        | 66       | 0.36      |
| 11CB0122 | Soil                             | 0.9        | 18.9       | 6.5        | 85       | <0.1       | 12.9       | 9.1        | 452      | 3.24      | 3.3        | 0.6        | 49.4       | 3.3        | 15       | <0.1       | 0.2        | 0.2        | 69       | 0.17      |
| 11CB0123 | Soil                             | 1.6        | 18.6       | 5.9        | 79       | 0.1        | 15.1       | 8.7        | 451      | 3.01      | 2.8        | 0.7        | 17.1       | 3.4        | 20       | <0.1       | 0.2        | 0.1        | 55       | 0.26      |
| 11CB0124 | Soil                             | 1.4        | 20.7       | 5.2        | 66       | <0.1       | 14.3       | 12.0       | 536      | 3.23      | 4.1        | 0.8        | 48.7       | 3.6        | 19       | <0.1       | 0.2        | 0.1        | 64       | 0.26      |
| 11CB0125 | Soil                             | 1.1        | 19.6       | 6.6        | 61       | 0.1        | 13.7       | 8.6        | 423      | 2.98      | 4.6        | 0.8        | 17.8       | 3.9        | 22       | <0.1       | 0.3        | 0.1        | 58       | 0.33      |
| 11CB0126 | Soil                             | 2.4        | 24.1       | 8.6        | 66       | 0.2        | 19.7       | 10.4       | 590      | 2.95      | 5.3        | 1.2        | 59.9       | 3.5        | 26       | 0.1        | 0.3        | 0.2        | 56       | 0.35      |
| 11CB0127 | Soil                             | 1.8        | 16.9       | 8.8        | 53       | <0.1       | 13.9       | 8.2        | 331      | 2.61      | 4.4        | 0.7        | 27.3       | 4.2        | 21       | <0.1       | 0.4        | 0.1        | 48       | 0.28      |
| 11CB0128 | Soil                             | 1.4        | 21.7       | 7.5        | 60       | 0.1        | 19.4       | 9.9        | 395      | 3.02      | 6.2        | 1.1        | 20.0       | 4.5        | 30       | <0.1       | 0.4        | 0.1        | 53       | 0.47      |
| 11CB0129 | Soil                             | 0.8        | 20.9       | 7.3        | 62       | <0.1       | 16.5       | 10.7       | 773      | 2.68      | 5.5        | 0.7        | 6.5        | 3.5        | 25       | <0.1       | 0.3        | 0.1        | 53       | 0.35      |
| 11CB0130 | Soil                             | 0.9        | 16.3       | 9.2        | 44       | 0.1        | 14.3       | 7.6        | 202      | 2.36      | 6.9        | 0.6        | 2.2        | 1.9        | 24       | <0.1       | 0.3        | 0.2        | 58       | 0.28      |
| 11CB0131 | Soil                             | 0.8        | 17.9       | 7.6        | 69       | <0.1       | 15.9       | 10.7       | 382      | 3.38      | 6.1        | 0.7        | 2.6        | 3.2        | 27       | <0.1       | 0.4        | 0.2        | 86       | 0.29      |
| 11CB0132 | Soil                             | 0.9        | 12.1       | 6.2        | 116      | <0.1       | 8.4        | 10.0       | 710      | 5.49      | 3.5        | 0.7        | <0.5       | 5.3        | 16       | <0.1       | 0.2        | <0.1       | 45       | 0.35      |
| 11CB0133 | Soil                             | 1.7        | 15.4       | 8.4        | 52       | <0.1       | 15.4       | 8.0        | 271      | 2.76      | 6.9        | 0.6        | 34.1       | 3.4        | 21       | 0.1        | 0.4        | 0.1        | 56       | 0.25      |
| 11CB0134 | Soil                             | 0.8        | 21.1       | 9.1        | 61       | <0.1       | 14.1       | 9.9        | 277      | 2.79      | 5.0        | 0.6        | 8.6        | 3.3        | 21       | <0.1       | 0.4        | 0.1        | 55       | 0.23      |
| 11CB0135 | Soil                             | 1.8        | 36.7       | 9.9        | 93       | <0.1       | 12.7       | 17.7       | 598      | 4.48      | 4.7        | 0.4        | 0.5        | 2.5        | 18       | 0.1        | 0.3        | 0.1        | 124      | 0.21      |
| 11DS0104 | Soil                             | 0.9        | 14.8       | 7.6        | 77       | <0.1       | 18.5       | 12.0       | 536      | 2.85      | 8.0        | 0.6        | 8.0        | 3.2        | 13       | <0.1       | 0.5        | 0.2        | 60       | 0.13      |
| 11DS0105 | Soil                             | 0.8        | 4.8        | 5.4        | 78       | <0.1       | 9.2        | 11.1       | 534      | 2.09      | 4.2        | 0.4        | 0.9        | 2.2        | 7        | <0.1       | 0.2        | <0.1       | 43       | 0.11      |
| 11DS0106 | Soil                             | 1.0        | 13.7       | 7.3        | 81       | <0.1       | 19.1       | 13.4       | 454      | 2.79      | 7.7        | 0.8        | 1.0        | 3.6        | 12       | 0.1        | 0.6        | 0.1        | 50       | 0.14      |
| 11DS0107 | Soil                             | 1.0        | 11.2       | 7.6        | 81       | <0.1       | 16.2       | 11.1       | 463      | 2.23      | 6.2        | 0.7        | 2.4        | 3.4        | 14       | <0.1       | 0.5        | 0.1        | 43       | 0.16      |
| 11DS0108 | Soil                             | 0.9        | 9.2        | 7.8        | 54       | <0.1       | 13.2       | 7.8        | 264      | 2.69      | 8.2        | 0.5        | 1.6        | 3.0        | 11       | 0.1        | 0.4        | 0.2        | 62       | 0.11      |



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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0111 | Soil                             | 10    | 28    | 0.64  | 263   | 0.075 | 2     | 1.55  | 0.017 | 0.04  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0112 | Soil                             | 14    | 25    | 0.68  | 335   | 0.101 | 1     | 1.66  | 0.012 | 0.16  | 0.1   | <0.01 | 5.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0113 | Soil                             | 11    | 26    | 0.63  | 250   | 0.098 | 1     | 1.72  | 0.017 | 0.07  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0114 | Soil                             | 9     | 21    | 0.62  | 464   | 0.138 | 2     | 1.55  | 0.009 | 0.27  | 0.1   | 0.02  | 4.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0115 | Soil                             | 7     | 37    | 0.86  | 250   | 0.121 | 1     | 2.36  | 0.008 | 0.28  | 0.2   | 0.02  | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0116 | Soil                             | 20    | 21    | 0.87  | 448   | 0.135 | <1    | 2.02  | 0.010 | 0.40  | 0.1   | 0.01  | 6.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0117 | Soil                             | 10    | 24    | 0.87  | 321   | 0.209 | 1     | 1.94  | 0.010 | 0.77  | 0.1   | <0.01 | 5.8   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0118 | Soil                             | 21    | 28    | 0.67  | 517   | 0.086 | 2     | 1.78  | 0.014 | 0.25  | 0.1   | 0.06  | 7.1   | 0.2   | 0.07  | 6     | <0.5  | <0.2  |
| 11CB0119 | Soil                             | 25    | 37    | 0.57  | 625   | 0.056 | 2     | 2.16  | 0.012 | 0.13  | 0.1   | 0.06  | 9.7   | <0.1  | 0.05  | 7     | <0.5  | <0.2  |
| 11CB0120 | Soil                             | 10    | 29    | 0.60  | 265   | 0.072 | 1     | 1.76  | 0.014 | 0.05  | <0.1  | 0.02  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0121 | Soil                             | 13    | 29    | 0.72  | 304   | 0.100 | 2     | 1.66  | 0.018 | 0.09  | 0.1   | 0.02  | 6.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0122 | Soil                             | 23    | 23    | 0.85  | 368   | 0.151 | 2     | 1.88  | 0.009 | 0.31  | 0.1   | <0.01 | 4.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0123 | Soil                             | 13    | 25    | 0.72  | 295   | 0.110 | 2     | 1.49  | 0.010 | 0.29  | <0.1  | 0.01  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0124 | Soil                             | 14    | 25    | 0.72  | 377   | 0.123 | 2     | 1.69  | 0.010 | 0.33  | 0.1   | 0.02  | 6.3   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0125 | Soil                             | 14    | 25    | 0.62  | 433   | 0.116 | 1     | 1.62  | 0.009 | 0.30  | 0.1   | 0.02  | 5.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0126 | Soil                             | 20    | 30    | 0.59  | 539   | 0.076 | 1     | 1.88  | 0.012 | 0.15  | 0.1   | 0.04  | 6.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0127 | Soil                             | 15    | 24    | 0.44  | 378   | 0.054 | <1    | 1.40  | 0.010 | 0.07  | <0.1  | 0.01  | 3.8   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0128 | Soil                             | 18    | 29    | 0.60  | 467   | 0.061 | 2     | 1.64  | 0.013 | 0.07  | 0.1   | 0.02  | 5.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0129 | Soil                             | 12    | 28    | 0.60  | 266   | 0.073 | 2     | 1.60  | 0.012 | 0.08  | <0.1  | 0.02  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0130 | Soil                             | 10    | 27    | 0.48  | 226   | 0.072 | 2     | 1.50  | 0.012 | 0.05  | 0.1   | 0.03  | 3.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0131 | Soil                             | 11    | 28    | 0.81  | 287   | 0.125 | 1     | 2.03  | 0.014 | 0.13  | <0.1  | 0.02  | 7.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0132 | Soil                             | 15    | 13    | 1.20  | 360   | 0.218 | 1     | 2.61  | 0.011 | 0.79  | <0.1  | <0.01 | 11.6  | 0.3   | <0.05 | 11    | <0.5  | <0.2  |
| 11CB0133 | Soil                             | 11    | 28    | 0.57  | 278   | 0.071 | 1     | 1.66  | 0.010 | 0.06  | 0.1   | 0.01  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0134 | Soil                             | 12    | 26    | 0.63  | 236   | 0.093 | <1    | 1.61  | 0.013 | 0.07  | <0.1  | 0.01  | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0135 | Soil                             | 8     | 26    | 1.32  | 250   | 0.135 | 1     | 2.57  | 0.022 | 0.28  | <0.1  | 0.01  | 8.6   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0104 | Soil                             | 11    | 29    | 0.84  | 162   | 0.112 | 2     | 2.10  | 0.010 | 0.09  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0105 | Soil                             | 8     | 16    | 0.88  | 130   | 0.129 | <1    | 1.42  | 0.008 | 0.35  | <0.1  | <0.01 | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0106 | Soil                             | 10    | 29    | 0.70  | 180   | 0.084 | 1     | 2.14  | 0.009 | 0.10  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0107 | Soil                             | 11    | 25    | 0.74  | 193   | 0.087 | 1     | 1.66  | 0.010 | 0.10  | 0.1   | <0.01 | 3.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0108 | Soil                             | 9     | 23    | 0.63  | 111   | 0.110 | 1     | 1.83  | 0.007 | 0.09  | 0.1   | 0.02  | 3.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method | Analyte | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |      |
|----------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11DS0109 | Soil   |         | 0.7  | 10.0 | 5.3   | 67    | <0.1  | 12.5  | 10.1  | 388   | 2.26  | 5.0   | 0.6   | 2.9   | 2.4   | 8     | <0.1  | 0.4   | 0.1   | 36    | 0.09  | 0.037 |    |      |
| 11DS0110 | Soil   |         | 0.9  | 9.4  | 7.0   | 60    | <0.1  | 11.0  | 7.7   | 399   | 2.28  | 6.2   | 0.5   | 1.9   | 2.5   | 10    | <0.1  | 0.3   | 0.1   | 51    | 0.12  | 0.040 |    |      |
| 11DS0111 | Soil   |         | 1.0  | 11.9 | 7.0   | 65    | <0.1  | 14.2  | 8.4   | 299   | 2.38  | 5.4   | 0.5   | 1.7   | 2.8   | 11    | <0.1  | 0.3   | 0.1   | 51    | 0.13  | 0.025 |    |      |
| 11DS0112 | Soil   |         | 0.7  | 31.0 | 5.9   | 82    | <0.1  | 17.0  | 12.3  | 559   | 3.49  | 5.3   | 0.4   | 8.1   | 2.9   | 14    | 0.1   | 0.3   | 0.1   | 78    | 0.19  | 0.043 |    |      |
| 11DS0113 | Soil   |         | 0.7  | 16.3 | 6.3   | 62    | <0.1  | 28.3  | 9.9   | 366   | 2.81  | 4.6   | 0.6   | 3.4   | 3.8   | 19    | <0.1  | 0.3   | 0.1   | 56    | 0.26  | 0.035 |    |      |
| 11DS0114 | Soil   |         | 0.9  | 19.4 | 7.2   | 67    | 0.1   | 37.1  | 11.4  | 355   | 3.06  | 5.6   | 0.6   | 3.1   | 3.8   | 19    | <0.1  | 0.3   | 0.1   | 62    | 0.22  | 0.038 |    |      |
| 11DS0115 | Soil   |         | 1.1  | 25.5 | 7.6   | 59    | 0.1   | 30.0  | 9.9   | 410   | 2.90  | 6.3   | 0.9   | 3.8   | 4.5   | 22    | <0.1  | 0.4   | 0.1   | 58    | 0.29  | 0.038 |    |      |
| 11DS0116 | Soil   |         | 0.9  | 18.0 | 5.6   | 71    | <0.1  | 26.2  | 11.1  | 464   | 3.15  | 4.6   | 0.7   | 3.3   | 4.1   | 19    | <0.1  | 0.3   | 0.1   | 61    | 0.26  | 0.040 |    |      |
| 11DS0117 | Soil   |         | 1.1  | 12.6 | 5.6   | 78    | <0.1  | 15.8  | 13.4  | 864   | 3.65  | 5.2   | 0.4   | 2.2   | 3.2   | 14    | 0.1   | 0.3   | 0.1   | 69    | 0.22  | 0.083 |    |      |
| 11DS0118 | Soil   |         | 1.2  | 12.0 | 8.0   | 92    | 0.1   | 17.3  | 9.2   | 1136  | 2.88  | 4.5   | 0.4   | 3.3   | 3.0   | 14    | 0.2   | 0.3   | 0.1   | 49    | 0.21  | 0.071 |    |      |
| 11DS0119 | Soil   |         | 1.0  | 17.0 | 6.1   | 86    | <0.1  | 13.8  | 14.6  | 684   | 3.94  | 5.8   | 0.5   | 5.0   | 3.1   | 18    | <0.1  | 0.3   | 0.1   | 89    | 0.27  | 0.041 |    |      |
| 11DS0120 | Soil   |         | 0.8  | 10.8 | 5.7   | 73    | <0.1  | 13.1  | 9.3   | 541   | 3.34  | 4.5   | 0.5   | 1.9   | 3.3   | 14    | <0.1  | 0.2   | 0.1   | 67    | 0.20  | 0.035 |    |      |
| 11DS0121 | Soil   |         | 0.8  | 10.7 | 5.5   | 74    | <0.1  | 12.7  | 9.2   | 530   | 3.43  | 4.6   | 0.5   | 1.9   | 3.3   | 13    | <0.1  | 0.2   | 0.1   | 65    | 0.19  | 0.035 |    |      |
| 11DS0122 | Soil   |         | 1.5  | 13.3 | 7.9   | 60    | <0.1  | 14.9  | 8.0   | 417   | 3.05  | 4.6   | 0.6   | 3.1   | 3.1   | 16    | 0.1   | 0.3   | 0.2   | 58    | 0.21  | 0.033 |    |      |
| 11DS0123 | Soil   |         | 0.9  | 19.6 | 10.0  | 57    | 0.1   | 26.8  | 10.3  | 546   | 2.69  | 5.4   | 0.7   | 4.8   | 4.5   | 24    | <0.1  | 0.4   | 0.2   | 56    | 0.28  | 0.035 |    |      |
| 11DS0124 | Soil   |         | 0.8  | 23.1 | 7.8   | 61    | 0.1   | 18.6  | 8.7   | 497   | 2.93  | 6.1   | 1.1   | 5.8   | 5.2   | 21    | <0.1  | 0.4   | 0.2   | 55    | 0.24  | 0.027 |    |      |
| 11DS0125 | Soil   |         | 1.0  | 31.4 | 9.4   | 88    | <0.1  | 17.0  | 13.6  | 675   | 4.17  | 4.9   | 0.6   | 5.2   | 2.6   | 24    | 0.2   | 0.3   | <0.1  | 93    | 0.55  | 0.081 |    |      |
| 11DS0126 | Soil   |         | 1.4  | 35.9 | 7.7   | 99    | 0.1   | 20.5  | 15.5  | 1096  | 4.48  | 2.9   | 1.1   | 39.9  | 3.5   | 21    | 0.3   | 0.3   | <0.1  | 82    | 0.47  | 0.096 |    |      |
| 11DS0127 | Soil   |         | 0.6  | 42.1 | 7.3   | 85    | <0.1  | 46.7  | 19.7  | 792   | 3.74  | 2.8   | 0.6   | 4.6   | 2.1   | 26    | <0.1  | 0.2   | <0.1  | 98    | 0.83  | 0.106 |    |      |
| 11DS0128 | Soil   |         | 1.7  | 27.5 | 8.6   | 93    | 0.1   | 12.6  | 12.6  | 657   | 4.11  | 15.8  | 0.8   | 2.5   | 4.1   | 18    | 0.2   | 0.3   | 0.1   | 61    | 0.45  | 0.123 |    |      |
| 11DS0129 | Soil   |         | 1.1  | 8.5  | 8.8   | 55    | <0.1  | 9.3   | 6.8   | 351   | 2.71  | 3.5   | 0.3   | 1.2   | 2.6   | 17    | 0.2   | 0.4   | 0.1   | 53    | 0.23  | 0.018 |    |      |
| 11DS0130 | Soil   |         | 0.9  | 13.5 | 10.1  | 102   | <0.1  | 8.3   | 6.4   | 340   | 2.90  | 3.2   | 0.6   | 1.2   | 6.8   | 9     | <0.1  | 0.3   | <0.1  | 28    | 0.09  | 0.027 |    |      |
| 11DS0131 | Soil   |         | 2.1  | 25.5 | 9.5   | 78    | 0.4   | 19.3  | 9.5   | 591   | 3.09  | 5.8   | 1.7   | 58.0  | 2.2   | 47    | 0.1   | 0.3   | 0.2   | 56    | 0.77  | 0.087 |    |      |
| 11DS0132 | Soil   |         | 2.4  | 11.7 | 13.1  | 127   | <0.1  | 18.4  | 6.7   | 546   | 2.75  | 6.1   | 0.4   | 1.0   | 1.7   | 31    | 0.2   | 0.3   | 0.1   | 56    | 0.42  | 0.110 |    |      |
| 11DS0133 | Soil   |         | 1.4  | 14.7 | 9.6   | 104   | <0.1  | 10.2  | 9.4   | 727   | 3.45  | 3.7   | 0.6   | 3.6   | 5.3   | 20    | 0.2   | 0.2   | <0.1  | 40    | 0.34  | 0.118 |    |      |
| 11DS0134 | Soil   |         | 0.7  | 68.3 | 5.9   | 59    | <0.1  | 15.7  | 16.8  | 480   | 3.70  | 3.2   | 0.5   | 1.2   | 1.9   | 34    | <0.1  | 0.2   | <0.1  | 89    | 1.17  | 0.263 |    |      |
| 11NG0122 | Soil   |         | 1.1  | 20.9 | 6.8   | 75    | 0.1   | 18.9  | 9.7   | 476   | 3.51  | 5.8   | 0.7   | 5.2   | 3.7   | 15    | <0.1  | 0.3   | 0.1   | 66    | 0.17  | 0.036 |    |      |
| 11NG0123 | Soil   |         | 0.4  | 80.8 | 4.9   | 66    | 0.1   | 24.9  | 13.0  | 320   | 3.59  | 2.9   | 0.4   | 3.7   | 1.3   | 13    | <0.1  | 0.1   | <0.1  | 95    | 0.25  | 0.051 |    |      |
| 11NG0124 | Soil   |         | 0.7  | 12.4 | 5.7   | 68    | <0.1  | 14.3  | 7.9   | 447   | 2.81  | 3.6   | 0.6   | 6.9   | 3.8   | 17    | <0.1  | 0.3   | <0.1  | 48    | 0.24  | 0.030 |    |      |
| 11NG0125 | Soil   |         | 0.8  | 18.8 | 7.4   | 64    | <0.1  | 24.5  | 10.5  | 389   | 3.25  | 4.6   | 0.8   | 11.1  | 5.3   | 23    | <0.1  | 0.3   | 0.2   | 59    | 0.30  | 0.036 |    |      |



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Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0109 | Soil                             | 11    | 20    | 0.59  | 141   | 0.053 | 2     | 1.67  | 0.007 | 0.12  | 0.1   | 0.03  | 2.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0110 | Soil                             | 9     | 21    | 0.69  | 182   | 0.091 | 2     | 1.55  | 0.007 | 0.15  | 0.1   | 0.01  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0111 | Soil                             | 9     | 24    | 0.76  | 187   | 0.100 | 1     | 1.66  | 0.009 | 0.17  | <0.1  | 0.03  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0112 | Soil                             | 10    | 31    | 1.13  | 275   | 0.180 | 1     | 2.39  | 0.010 | 0.44  | 0.1   | 0.01  | 5.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0113 | Soil                             | 16    | 43    | 0.94  | 357   | 0.142 | 1     | 1.91  | 0.009 | 0.12  | 0.1   | 0.03  | 4.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0114 | Soil                             | 16    | 63    | 1.01  | 353   | 0.132 | 2     | 2.15  | 0.009 | 0.12  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0115 | Soil                             | 20    | 47    | 0.74  | 487   | 0.093 | 2     | 1.86  | 0.012 | 0.10  | 0.1   | 0.03  | 6.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0116 | Soil                             | 20    | 42    | 0.87  | 350   | 0.112 | 2     | 1.93  | 0.008 | 0.16  | <0.1  | 0.02  | 6.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0117 | Soil                             | 10    | 32    | 0.74  | 201   | 0.139 | 1     | 1.61  | 0.008 | 0.33  | 0.2   | 0.01  | 5.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0118 | Soil                             | 12    | 32    | 0.63  | 381   | 0.094 | 1     | 1.60  | 0.009 | 0.22  | 0.1   | 0.01  | 5.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0119 | Soil                             | 10    | 35    | 0.93  | 321   | 0.143 | 1     | 2.10  | 0.008 | 0.31  | 0.1   | 0.02  | 8.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0120 | Soil                             | 10    | 25    | 0.77  | 302   | 0.156 | 1     | 1.68  | 0.009 | 0.49  | 0.1   | 0.02  | 5.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0121 | Soil                             | 10    | 25    | 0.77  | 294   | 0.159 | 1     | 1.67  | 0.008 | 0.51  | 0.1   | <0.01 | 5.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0122 | Soil                             | 13    | 26    | 0.58  | 371   | 0.111 | 2     | 1.55  | 0.008 | 0.34  | 0.1   | 0.01  | 4.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0123 | Soil                             | 16    | 47    | 0.75  | 356   | 0.110 | 1     | 1.59  | 0.011 | 0.15  | 0.1   | 0.02  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0124 | Soil                             | 21    | 36    | 0.60  | 415   | 0.093 | 1     | 1.65  | 0.012 | 0.16  | 0.1   | 0.02  | 5.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0125 | Soil                             | 10    | 29    | 1.20  | 389   | 0.136 | 1     | 2.05  | 0.020 | 0.23  | 0.1   | 0.01  | 7.7   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0126 | Soil                             | 18    | 35    | 1.11  | 472   | 0.054 | <1    | 1.87  | 0.011 | 0.18  | <0.1  | 0.04  | 15.0  | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0127 | Soil                             | 7     | 109   | 2.07  | 437   | 0.218 | <1    | 2.62  | 0.021 | 0.46  | <0.1  | 0.02  | 6.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0128 | Soil                             | 16    | 18    | 1.01  | 606   | 0.043 | 2     | 2.05  | 0.007 | 0.21  | <0.1  | <0.01 | 4.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0129 | Soil                             | 6     | 18    | 0.41  | 247   | 0.080 | 1     | 1.43  | 0.010 | 0.18  | <0.1  | 0.02  | 2.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0130 | Soil                             | 8     | 14    | 0.49  | 230   | 0.050 | <1    | 1.59  | 0.007 | 0.40  | <0.1  | 0.01  | 2.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0131 | Soil                             | 23    | 32    | 0.58  | 594   | 0.047 | 2     | 1.88  | 0.014 | 0.13  | <0.1  | 0.09  | 7.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0132 | Soil                             | 8     | 33    | 0.51  | 409   | 0.100 | 2     | 1.41  | 0.012 | 0.24  | 0.1   | 0.02  | 2.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0133 | Soil                             | 23    | 19    | 0.51  | 243   | 0.075 | <1    | 1.71  | 0.009 | 0.32  | 0.1   | 0.01  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0134 | Soil                             | 6     | 20    | 1.12  | 391   | 0.148 | <1    | 2.05  | 0.055 | 0.35  | <0.1  | 0.01  | 5.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0122 | Soil                             | 15    | 36    | 0.76  | 375   | 0.099 | 3     | 1.88  | 0.008 | 0.19  | 0.1   | 0.02  | 4.6   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11NG0123 | Soil                             | 5     | 58    | 1.31  | 272   | 0.178 | <1    | 2.30  | 0.012 | 0.39  | <0.1  | <0.01 | 3.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0124 | Soil                             | 14    | 24    | 0.59  | 409   | 0.086 | <1    | 1.51  | 0.007 | 0.17  | <0.1  | 0.01  | 4.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0125 | Soil                             | 19    | 38    | 0.71  | 564   | 0.078 | 1     | 1.75  | 0.011 | 0.14  | <0.1  | 0.01  | 4.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11NG0126 | Soil | 1.3                              | 14.9  | 6.8   | 71    | <0.1  | 17.2  | 9.2   | 526   | 3.30  | 3.0   | 0.7   | 16.0  | 5.1   | 18    | <0.1  | 0.2   | 0.1   | 55    | 0.26  | 0.035 |      |
| 11NG0127 | Soil | 1.3                              | 17.3  | 6.2   | 83    | 0.1   | 16.0  | 11.5  | 642   | 3.76  | 3.6   | 0.7   | 15.5  | 4.8   | 23    | <0.1  | 0.3   | 0.1   | 68    | 0.30  | 0.047 |      |
| 11NG0128 | Soil | 1.1                              | 19.1  | 7.8   | 56    | <0.1  | 16.7  | 8.0   | 308   | 2.70  | 5.0   | 0.8   | 30.5  | 5.3   | 18    | <0.1  | 0.4   | 0.1   | 52    | 0.20  | 0.024 |      |
| 11NG0129 | Soil | 1.1                              | 16.4  | 7.9   | 81    | 0.1   | 14.5  | 9.3   | 467   | 3.04  | 3.6   | 0.6   | 8.0   | 3.1   | 18    | <0.1  | 0.2   | 0.1   | 53    | 0.31  | 0.065 |      |
| 11NG0130 | Soil | 1.0                              | 21.4  | 6.5   | 100   | 0.1   | 17.8  | 12.2  | 622   | 3.41  | 2.9   | 0.5   | 3.7   | 2.7   | 24    | <0.1  | 0.2   | <0.1  | 64    | 0.45  | 0.079 |      |
| 11NG0131 | Soil | 1.0                              | 18.9  | 7.3   | 99    | <0.1  | 19.5  | 12.4  | 648   | 3.25  | 3.7   | 0.5   | <0.5  | 2.8   | 25    | <0.1  | 0.3   | <0.1  | 57    | 0.42  | 0.108 |      |
| 11NG0132 | Soil | 1.5                              | 17.6  | 6.8   | 80    | <0.1  | 15.4  | 8.5   | 502   | 3.20  | 4.8   | 0.5   | <0.5  | 3.1   | 20    | <0.1  | 0.3   | 0.1   | 50    | 0.34  | 0.070 |      |
| 11NG0133 | Soil | 1.4                              | 25.8  | 7.6   | 66    | 0.2   | 18.4  | 8.7   | 529   | 2.77  | 4.2   | 0.7   | 0.9   | 2.7   | 26    | <0.1  | 0.2   | 0.1   | 48    | 0.39  | 0.055 |      |
| 11NG0134 | Soil | 1.2                              | 45.6  | 5.5   | 87    | <0.1  | 19.6  | 13.8  | 654   | 4.09  | 4.5   | 0.4   | <0.5  | 2.1   | 20    | <0.1  | 0.2   | <0.1  | 82    | 0.37  | 0.080 |      |
| 11NG0135 | Soil | 0.7                              | 16.6  | 4.1   | 94    | <0.1  | 13.8  | 15.8  | 864   | 4.16  | 2.0   | 0.2   | 2.9   | 1.1   | 27    | <0.1  | <0.1  | <0.1  | 95    | 0.73  | 0.176 |      |
| 11NG0136 | Soil | 1.1                              | 23.5  | 7.2   | 63    | 0.1   | 53.5  | 16.7  | 367   | 3.95  | 7.7   | 0.5   | 1.0   | 2.9   | 25    | <0.1  | 0.3   | 0.1   | 91    | 0.37  | 0.104 |      |
| 11NG0137 | Soil | 2.9                              | 54.5  | 11.8  | 84    | 0.1   | 25.4  | 14.4  | 999   | 4.71  | 6.1   | 0.7   | 4.1   | 4.1   | 20    | 0.2   | 0.4   | 0.2   | 56    | 0.31  | 0.091 |      |
| 11NG0138 | Soil | 1.7                              | 10.9  | 8.2   | 71    | <0.1  | 23.7  | 10.4  | 284   | 3.38  | 9.3   | 0.5   | <0.5  | 3.2   | 10    | <0.1  | 0.6   | 0.2   | 66    | 0.10  | 0.044 |      |
| 11NG0139 | Soil | 0.9                              | 16.9  | 7.2   | 67    | <0.1  | 19.0  | 10.4  | 598   | 2.64  | 7.5   | 0.7   | <0.5  | 4.2   | 17    | <0.1  | 0.4   | 0.1   | 50    | 0.20  | 0.026 |      |
| 11NG0140 | Soil | 0.9                              | 7.5   | 5.0   | 72    | <0.1  | 15.3  | 9.2   | 466   | 2.64  | 4.7   | 0.6   | 1.1   | 3.8   | 11    | <0.1  | 0.2   | <0.1  | 40    | 0.14  | 0.043 |      |
| 11NG0141 | Soil | 0.8                              | 6.4   | 6.3   | 73    | <0.1  | 12.7  | 8.4   | 472   | 2.52  | 4.2   | 0.5   | 1.4   | 3.7   | 10    | <0.1  | 0.2   | <0.1  | 38    | 0.14  | 0.046 |      |
| 11NG0142 | Soil | 0.9                              | 9.5   | 5.4   | 77    | <0.1  | 15.6  | 10.0  | 350   | 2.77  | 4.6   | 0.7   | 3.1   | 4.7   | 10    | <0.1  | 0.3   | <0.1  | 39    | 0.10  | 0.027 |      |
| 11NG0143 | Soil | 1.3                              | 21.3  | 9.4   | 52    | <0.1  | 30.0  | 9.2   | 282   | 3.08  | 10.1  | 0.5   | <0.5  | 1.7   | 14    | <0.1  | 0.5   | 0.2   | 58    | 0.14  | 0.045 |      |
| 11NG0144 | Soil | 1.6                              | 8.4   | 5.8   | 53    | <0.1  | 19.5  | 5.5   | 195   | 2.36  | 4.1   | 0.6   | 11.6  | 3.7   | 8     | <0.1  | 0.3   | <0.1  | 33    | 0.08  | 0.037 |      |
| 11NG0145 | Soil | 1.0                              | 14.3  | 7.4   | 89    | <0.1  | 19.9  | 11.8  | 641   | 3.07  | 6.9   | 0.6   | 2.8   | 4.2   | 15    | <0.1  | 0.4   | 0.1   | 56    | 0.17  | 0.038 |      |
| 11NG0146 | Soil | 1.2                              | 5.3   | 5.0   | 113   | <0.1  | 11.7  | 11.6  | 1131  | 2.71  | 4.3   | 0.5   | <0.5  | 3.6   | 13    | <0.1  | 0.3   | <0.1  | 41    | 0.27  | 0.065 |      |
| 11NG0147 | Soil | 1.4                              | 19.0  | 9.4   | 82    | 0.2   | 22.2  | 9.2   | 723   | 2.73  | 7.2   | 0.6   | <0.5  | 3.3   | 22    | 0.2   | 0.5   | 0.2   | 56    | 0.42  | 0.054 |      |
| 11NG0148 | Soil | 0.9                              | 49.1  | 16.5  | 69    | 0.1   | 39.6  | 12.9  | 425   | 3.41  | 7.5   | 0.8   | <0.5  | 5.9   | 29    | <0.1  | 0.5   | 0.3   | 73    | 0.21  | 0.064 |      |
| 11CB0136 | Soil | 0.9                              | 26.9  | 7.0   | 86    | 0.2   | 18.4  | 19.6  | 605   | 3.95  | 5.0   | 0.4   | 2.0   | 1.7   | 20    | 0.1   | 1.3   | <0.1  | 112   | 0.48  | 0.092 |      |
| 11CB0137 | Soil | 1.0                              | 27.8  | 7.9   | 80    | 0.2   | 20.4  | 13.8  | 471   | 3.60  | 7.2   | 0.6   | 10.9  | 1.9   | 24    | 0.1   | 0.4   | 0.1   | 93    | 0.52  | 0.075 |      |
| 11CB0138 | Soil | 1.0                              | 25.2  | 8.2   | 70    | 0.1   | 20.2  | 13.7  | 445   | 3.43  | 7.5   | 0.5   | 0.6   | 2.4   | 19    | 0.2   | 0.7   | 0.1   | 92    | 0.39  | 0.082 |      |
| 11CB0139 | Soil | 1.1                              | 20.7  | 8.4   | 61    | 0.1   | 20.3  | 11.8  | 422   | 3.39  | 7.1   | 0.5   | <0.5  | 2.4   | 21    | <0.1  | 0.4   | 0.1   | 93    | 0.33  | 0.043 |      |
| 11CB0140 | Soil | 1.2                              | 19.8  | 12.0  | 47    | 0.2   | 12.7  | 6.2   | 278   | 2.30  | 5.6   | 0.4   | 0.9   | 1.2   | 12    | 0.1   | 0.3   | 0.2   | 67    | 0.13  | 0.059 |      |
| 11CB0141 | Soil | 1.7                              | 9.3   | 10.1  | 45    | <0.1  | 16.4  | 6.8   | 353   | 3.32  | 10.9  | 0.4   | 1.4   | 2.1   | 15    | <0.1  | 0.5   | 0.2   | 85    | 0.16  | 0.088 |      |
| 11CB0142 | Soil | 1.1                              | 39.2  | 8.8   | 55    | 0.3   | 23.3  | 8.5   | 275   | 2.97  | 8.1   | 0.8   | 19.1  | 3.6   | 19    | <0.1  | 0.4   | 0.1   | 71    | 0.25  | 0.032 |      |



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Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0126 | Soil                             | 16    | 27    | 0.69  | 599   | 0.132 | <1    | 1.67  | 0.010 | 0.42  | 0.1   | <0.01 | 6.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0127 | Soil                             | 15    | 28    | 0.78  | 608   | 0.143 | 2     | 1.92  | 0.009 | 0.39  | 0.1   | 0.02  | 6.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0128 | Soil                             | 18    | 31    | 0.53  | 263   | 0.077 | <1    | 1.67  | 0.011 | 0.08  | <0.1  | 0.03  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0129 | Soil                             | 12    | 24    | 0.71  | 251   | 0.138 | 1     | 1.89  | 0.011 | 0.19  | 0.1   | 0.01  | 3.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0130 | Soil                             | 11    | 34    | 1.08  | 341   | 0.170 | <1    | 2.21  | 0.011 | 0.37  | 0.1   | 0.02  | 3.6   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0131 | Soil                             | 10    | 35    | 1.03  | 312   | 0.134 | 2     | 2.45  | 0.015 | 0.47  | 0.2   | <0.01 | 3.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0132 | Soil                             | 12    | 23    | 0.71  | 450   | 0.135 | 1     | 1.89  | 0.012 | 0.21  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0133 | Soil                             | 17    | 27    | 0.61  | 676   | 0.086 | 1     | 1.81  | 0.014 | 0.14  | <0.1  | 0.03  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0134 | Soil                             | 8     | 29    | 1.42  | 579   | 0.233 | <1    | 2.76  | 0.009 | 0.49  | 0.1   | 0.02  | 3.6   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0135 | Soil                             | 5     | 19    | 1.54  | 575   | 0.227 | <1    | 2.63  | 0.017 | 0.87  | 0.1   | 0.02  | 4.0   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0136 | Soil                             | 13    | 79    | 1.04  | 407   | 0.121 | <1    | 2.34  | 0.016 | 0.12  | 0.1   | 0.03  | 5.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0137 | Soil                             | 19    | 30    | 0.54  | 730   | 0.044 | 3     | 1.73  | 0.010 | 0.24  | 0.1   | 0.02  | 7.1   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0138 | Soil                             | 11    | 36    | 0.48  | 162   | 0.058 | 1     | 2.35  | 0.010 | 0.08  | 0.1   | 0.03  | 2.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0139 | Soil                             | 16    | 30    | 0.63  | 249   | 0.070 | <1    | 2.07  | 0.014 | 0.11  | <0.1  | 0.03  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0140 | Soil                             | 13    | 22    | 0.88  | 212   | 0.110 | <1    | 2.02  | 0.009 | 0.32  | <0.1  | 0.02  | 3.6   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0141 | Soil                             | 13    | 21    | 0.81  | 204   | 0.103 | 1     | 1.81  | 0.009 | 0.32  | <0.1  | 0.02  | 3.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0142 | Soil                             | 13    | 23    | 0.66  | 224   | 0.062 | 2     | 2.31  | 0.008 | 0.16  | <0.1  | 0.02  | 3.3   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0143 | Soil                             | 11    | 34    | 0.45  | 231   | 0.034 | 2     | 1.97  | 0.009 | 0.09  | 0.1   | 0.04  | 2.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0144 | Soil                             | 13    | 27    | 0.30  | 155   | 0.021 | <1    | 1.76  | 0.008 | 0.10  | <0.1  | 0.02  | 2.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0145 | Soil                             | 12    | 29    | 0.82  | 286   | 0.092 | 2     | 2.67  | 0.010 | 0.13  | <0.1  | 0.03  | 5.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0146 | Soil                             | 11    | 20    | 0.92  | 211   | 0.127 | 2     | 1.73  | 0.007 | 0.47  | 0.1   | 0.02  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0147 | Soil                             | 11    | 32    | 0.63  | 345   | 0.081 | 3     | 1.87  | 0.012 | 0.16  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0148 | Soil                             | 20    | 85    | 1.34  | 325   | 0.133 | 1     | 2.64  | 0.014 | 0.10  | 0.1   | 0.02  | 5.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0136 | Soil                             | 7     | 34    | 1.30  | 297   | 0.230 | 2     | 2.96  | 0.022 | 0.31  | 0.1   | 0.03  | 4.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0137 | Soil                             | 11    | 37    | 1.01  | 337   | 0.133 | 2     | 2.71  | 0.021 | 0.13  | 0.1   | 0.04  | 5.3   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0138 | Soil                             | 9     | 33    | 0.90  | 265   | 0.138 | 2     | 2.38  | 0.020 | 0.14  | 0.1   | 0.04  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0139 | Soil                             | 9     | 34    | 0.78  | 332   | 0.077 | <1    | 2.28  | 0.016 | 0.08  | 0.1   | 0.04  | 5.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0140 | Soil                             | 9     | 32    | 0.43  | 183   | 0.097 | 1     | 1.36  | 0.016 | 0.10  | <0.1  | 0.02  | 3.1   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0141 | Soil                             | 10    | 37    | 0.43  | 230   | 0.085 | <1    | 1.40  | 0.010 | 0.09  | 0.2   | 0.03  | 2.0   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0142 | Soil                             | 13    | 34    | 0.65  | 447   | 0.081 | 1     | 2.27  | 0.015 | 0.09  | 0.1   | 0.06  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB0143 | Soil                             | 1.2   | 11.8  | 9.2   | 68    | 0.2   | 15.3  | 7.9   | 351   | 3.39  | 8.5   | 0.5   | <0.5  | 3.2   | 11    | <0.1  | 0.5   | 0.1   | 72    | 0.12  | 0.034 |
| 11CB0144 | Soil                             | 1.7   | 16.0  | 9.5   | 69    | 0.2   | 17.4  | 9.1   | 363   | 3.35  | 7.7   | 0.5   | 3.8   | 2.8   | 13    | <0.1  | 0.4   | 0.2   | 71    | 0.14  | 0.060 |
| 11CB0145 | Soil                             | 1.8   | 14.7  | 7.4   | 51    | 0.2   | 31.7  | 8.0   | 360   | 2.99  | 6.0   | 0.4   | 5.8   | 3.2   | 15    | <0.1  | 0.3   | 0.2   | 72    | 0.15  | 0.038 |
| 11CB0146 | Soil                             | 3.1   | 45.9  | 15.2  | 95    | 0.4   | 42.9  | 13.8  | 1412  | 4.09  | 6.1   | 1.2   | 31.6  | 3.4   | 24    | 0.3   | 0.4   | 0.2   | 69    | 0.31  | 0.069 |
| 11CB0147 | Soil                             | 1.6   | 21.6  | 8.6   | 60    | 0.1   | 21.6  | 8.2   | 317   | 2.93  | 5.5   | 0.7   | 6.8   | 3.5   | 17    | 0.1   | 0.4   | 0.2   | 66    | 0.21  | 0.031 |
| 11CB0148 | Soil                             | 1.2   | 17.7  | 8.9   | 53    | <0.1  | 16.8  | 8.0   | 407   | 2.67  | 6.7   | 0.7   | 17.8  | 3.9   | 19    | <0.1  | 0.3   | 0.1   | 59    | 0.24  | 0.035 |
| 11CB0149 | Soil                             | 1.5   | 18.4  | 9.3   | 65    | <0.1  | 22.4  | 10.5  | 340   | 3.21  | 7.3   | 0.6   | 7.7   | 4.3   | 20    | <0.1  | 0.5   | 0.1   | 66    | 0.23  | 0.032 |
| 11CB0150 | Soil                             | 4.8   | 23.7  | 10.6  | 65    | <0.1  | 21.7  | 9.9   | 416   | 3.06  | 6.0   | 1.2   | 89.1  | 4.8   | 25    | <0.1  | 0.5   | 0.1   | 62    | 0.33  | 0.035 |
| 11CB0151 | Soil                             | 1.0   | 28.5  | 7.8   | 75    | <0.1  | 21.1  | 11.0  | 379   | 3.55  | 5.7   | 0.5   | 5.9   | 2.7   | 24    | <0.1  | 0.4   | 0.1   | 61    | 0.30  | 0.027 |
| 11CB0152 | Soil                             | 1.2   | 26.8  | 9.0   | 72    | <0.1  | 20.4  | 12.0  | 415   | 3.57  | 7.2   | 0.7   | 11.6  | 4.6   | 25    | <0.1  | 0.5   | 0.1   | 71    | 0.26  | 0.030 |
| 11CB0153 | Soil                             | 0.7   | 23.5  | 9.0   | 47    | <0.1  | 21.8  | 9.1   | 364   | 2.65  | 7.1   | 0.7   | 5.1   | 3.5   | 32    | <0.1  | 0.5   | 0.2   | 75    | 0.30  | 0.035 |
| 11CB0154 | Soil                             | 1.3   | 17.0  | 9.1   | 93    | <0.1  | 18.6  | 15.5  | 644   | 3.89  | 7.9   | 0.4   | 1.8   | 3.6   | 16    | 0.1   | 0.4   | 0.2   | 92    | 0.22  | 0.074 |
| 11CB0155 | Soil                             | 1.0   | 9.1   | 10.5  | 52    | <0.1  | 11.2  | 5.9   | 245   | 2.51  | 3.3   | 0.3   | 8.7   | 1.6   | 15    | <0.1  | 0.3   | <0.1  | 51    | 0.15  | 0.018 |
| 11CB0156 | Soil                             | 0.7   | 9.2   | 6.5   | 95    | <0.1  | 12.3  | 9.6   | 498   | 4.02  | 4.3   | 0.4   | 0.6   | 3.9   | 42    | <0.1  | 0.3   | 0.1   | 65    | 0.35  | 0.092 |
| 11CB0157 | Soil                             | 1.1   | 20.0  | 9.5   | 62    | <0.1  | 19.2  | 15.9  | 919   | 3.39  | 5.0   | 0.3   | 1.8   | 2.1   | 25    | <0.1  | 0.4   | 0.1   | 119   | 0.29  | 0.034 |
| 11CB0158 | Soil                             | 1.1   | 19.1  | 10.1  | 51    | 0.1   | 21.8  | 13.4  | 760   | 2.90  | 6.7   | 0.4   | <0.5  | 2.5   | 17    | 0.1   | 0.4   | 0.2   | 94    | 0.16  | 0.026 |
| 11CB0159 | Soil                             | 1.1   | 16.2  | 9.5   | 51    | <0.1  | 19.3  | 8.4   | 259   | 2.64  | 7.7   | 0.5   | 1.2   | 3.3   | 24    | <0.1  | 0.5   | 0.2   | 70    | 0.19  | 0.023 |
| 11CB0160 | Soil                             | 1.1   | 19.0  | 9.9   | 59    | <0.1  | 24.8  | 9.5   | 269   | 2.88  | 10.1  | 0.4   | <0.5  | 3.2   | 23    | <0.1  | 0.5   | 0.2   | 84    | 0.17  | 0.018 |
| 11CB0161 | Soil                             | 1.4   | 27.9  | 9.7   | 67    | 0.2   | 30.5  | 17.5  | 514   | 3.41  | 6.7   | 0.5   | 10.6  | 3.0   | 18    | <0.1  | 0.4   | 0.2   | 88    | 0.21  | 0.022 |
| 11CB0162 | Soil                             | 1.2   | 16.9  | 9.7   | 81    | 0.2   | 16.3  | 9.7   | 288   | 3.40  | 8.5   | 0.4   | 1.8   | 2.3   | 20    | 0.2   | 0.4   | 0.2   | 101   | 0.19  | 0.031 |
| 11CB0163 | Soil                             | 2.5   | 21.2  | 11.7  | 48    | 0.2   | 18.4  | 7.3   | 239   | 2.59  | 7.1   | 0.7   | 28.0  | 3.7   | 19    | <0.1  | 0.4   | 0.2   | 70    | 0.21  | 0.018 |
| 11CB0164 | Soil                             | 1.3   | 15.9  | 6.8   | 60    | 0.1   | 15.1  | 8.4   | 301   | 3.30  | 7.1   | 0.5   | 4.7   | 3.1   | 12    | <0.1  | 0.4   | 0.1   | 75    | 0.10  | 0.020 |
| 11CB0165 | Soil                             | 1.7   | 21.3  | 8.2   | 72    | 0.1   | 14.0  | 8.8   | 304   | 2.90  | 4.1   | 0.5   | 29.8  | 2.8   | 18    | <0.1  | 0.3   | 0.1   | 72    | 0.19  | 0.023 |
| 11DS0135 | Soil                             | 0.4   | 31.6  | 3.9   | 80    | <0.1  | 13.1  | 14.4  | 506   | 3.50  | 1.6   | 0.3   | 0.5   | 1.3   | 28    | <0.1  | 0.1   | <0.1  | 109   | 0.59  | 0.120 |
| 11DS0136 | Soil                             | 1.1   | 27.6  | 6.4   | 80    | <0.1  | 16.1  | 14.4  | 566   | 3.44  | 3.0   | 0.5   | 1.4   | 1.9   | 28    | <0.1  | 0.2   | <0.1  | 106   | 0.58  | 0.089 |
| 11DS0137 | Soil                             | 0.7   | 26.1  | 4.8   | 81    | <0.1  | 14.6  | 13.8  | 574   | 3.41  | 2.3   | 0.4   | 1.7   | 2.2   | 31    | <0.1  | 0.4   | <0.1  | 97    | 0.53  | 0.096 |
| 11DS0138 | Soil                             | 0.9   | 19.2  | 5.7   | 92    | <0.1  | 21.1  | 12.7  | 571   | 3.79  | 3.5   | 0.4   | 1.1   | 2.4   | 24    | <0.1  | 0.5   | <0.1  | 90    | 0.45  | 0.077 |
| 11DS0139 | Soil                             | 1.2   | 21.5  | 7.3   | 80    | 0.1   | 20.8  | 10.9  | 525   | 3.52  | 4.8   | 0.5   | 2.1   | 3.3   | 20    | <0.1  | 0.3   | 0.1   | 80    | 0.33  | 0.065 |
| 11DS0140 | Soil                             | 1.4   | 17.6  | 9.5   | 65    | <0.1  | 22.5  | 9.9   | 439   | 3.48  | 7.0   | 0.5   | 7.5   | 3.2   | 15    | <0.1  | 0.4   | 0.2   | 78    | 0.18  | 0.042 |
| 11DS0141 | Soil                             | 1.3   | 15.3  | 8.0   | 62    | <0.1  | 19.5  | 9.5   | 397   | 3.39  | 6.8   | 0.4   | 2.2   | 2.6   | 15    | <0.1  | 0.7   | 0.2   | 79    | 0.16  | 0.037 |



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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0143 | Soil                             | 10    | 29    | 0.64  | 207   | 0.095 | <1    | 2.10  | 0.012 | 0.14  | 0.1   | 0.03  | 3.3   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0144 | Soil                             | 9     | 32    | 0.51  | 250   | 0.064 | <1    | 2.32  | 0.012 | 0.10  | 0.1   | 0.04  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0145 | Soil                             | 13    | 33    | 0.53  | 236   | 0.081 | 1     | 1.40  | 0.011 | 0.12  | 0.1   | 0.02  | 3.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0146 | Soil                             | 15    | 57    | 0.62  | 868   | 0.039 | 2     | 2.81  | 0.012 | 0.19  | 0.1   | 0.05  | 8.3   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0147 | Soil                             | 13    | 36    | 0.63  | 381   | 0.069 | 1     | 1.90  | 0.011 | 0.11  | 0.1   | 0.04  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0148 | Soil                             | 13    | 31    | 0.58  | 355   | 0.087 | 1     | 1.67  | 0.012 | 0.11  | 0.1   | 0.04  | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0149 | Soil                             | 11    | 38    | 0.70  | 270   | 0.114 | 2     | 2.30  | 0.014 | 0.15  | <0.1  | 0.02  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0150 | Soil                             | 18    | 38    | 0.66  | 371   | 0.078 | 2     | 1.97  | 0.015 | 0.08  | 0.1   | 0.04  | 6.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0151 | Soil                             | 10    | 57    | 0.92  | 244   | 0.130 | 2     | 2.57  | 0.014 | 0.18  | 0.2   | 0.02  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0152 | Soil                             | 15    | 34    | 0.85  | 332   | 0.084 | 1     | 2.44  | 0.013 | 0.09  | 0.1   | 0.04  | 5.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0153 | Soil                             | 13    | 30    | 0.55  | 417   | 0.064 | <1    | 1.69  | 0.015 | 0.05  | <0.1  | 0.03  | 4.6   | <0.1  | 0.09  | 5     | 0.7   | <0.2  |
| 11CB0154 | Soil                             | 7     | 26    | 0.70  | 275   | 0.119 | <1    | 2.45  | 0.009 | 0.24  | 0.1   | 0.01  | 5.4   | 0.2   | 0.07  | 8     | <0.5  | <0.2  |
| 11CB0155 | Soil                             | 6     | 18    | 0.39  | 209   | 0.020 | <1    | 1.64  | 0.007 | 0.13  | <0.1  | 0.01  | 4.1   | <0.1  | 0.06  | 5     | <0.5  | <0.2  |
| 11CB0156 | Soil                             | 10    | 17    | 0.96  | 298   | 0.142 | <1    | 2.21  | 0.009 | 0.31  | 0.1   | <0.01 | 6.2   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0157 | Soil                             | 6     | 31    | 0.90  | 327   | 0.090 | <1    | 1.90  | 0.015 | 0.15  | <0.1  | 0.01  | 4.9   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11CB0158 | Soil                             | 8     | 37    | 0.53  | 212   | 0.084 | <1    | 1.86  | 0.014 | 0.06  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0159 | Soil                             | 8     | 30    | 0.51  | 266   | 0.063 | <1    | 1.76  | 0.008 | 0.06  | 0.1   | 0.02  | 2.5   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11CB0160 | Soil                             | 7     | 37    | 0.57  | 183   | 0.093 | <1    | 2.20  | 0.008 | 0.06  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0161 | Soil                             | 9     | 68    | 0.68  | 194   | 0.105 | <1    | 2.51  | 0.011 | 0.08  | 0.1   | 0.01  | 4.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0162 | Soil                             | 7     | 28    | 0.67  | 224   | 0.137 | <1    | 2.39  | 0.011 | 0.08  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0163 | Soil                             | 13    | 30    | 0.50  | 525   | 0.061 | <1    | 1.73  | 0.010 | 0.07  | <0.1  | 0.03  | 4.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0164 | Soil                             | 11    | 25    | 0.50  | 269   | 0.060 | <1    | 1.80  | 0.007 | 0.10  | 0.1   | 0.03  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0165 | Soil                             | 8     | 26    | 0.66  | 231   | 0.084 | <1    | 1.92  | 0.009 | 0.16  | <0.1  | 0.02  | 3.7   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11DS0135 | Soil                             | 5     | 23    | 1.14  | 313   | 0.202 | <1    | 2.23  | 0.018 | 0.49  | 0.2   | <0.01 | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0136 | Soil                             | 8     | 28    | 1.04  | 362   | 0.175 | <1    | 2.27  | 0.018 | 0.33  | 0.1   | 0.02  | 4.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0137 | Soil                             | 8     | 30    | 1.08  | 292   | 0.165 | <1    | 2.22  | 0.016 | 0.30  | 0.1   | 0.01  | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0138 | Soil                             | 12    | 32    | 1.04  | 361   | 0.167 | <1    | 2.25  | 0.010 | 0.25  | 0.1   | 0.01  | 4.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0139 | Soil                             | 18    | 33    | 0.82  | 360   | 0.121 | <1    | 2.28  | 0.012 | 0.17  | 0.1   | 0.02  | 5.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0140 | Soil                             | 13    | 36    | 0.65  | 263   | 0.095 | <1    | 2.07  | 0.010 | 0.11  | 0.1   | 0.01  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0141 | Soil                             | 12    | 34    | 0.61  | 231   | 0.098 | <1    | 1.93  | 0.009 | 0.10  | 0.1   | 0.02  | 4.1   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |





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Project: Mariposa  
Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0142 | Soil                             | 1.1   | 19.8  | 8.5   | 63    | <0.1  | 22.1  | 9.8   | 472   | 3.40  | 8.2   | 0.6   | 5.7   | 3.5   | 16    | <0.1  | 1.3   | 0.2   | 82    | 0.17  | 0.045 |
| 11DS0143 | Soil                             | 1.3   | 20.9  | 10.0  | 72    | <0.1  | 43.3  | 13.9  | 416   | 4.03  | 7.8   | 0.5   | 2.3   | 2.6   | 16    | 0.1   | 0.4   | 0.2   | 89    | 0.16  | 0.060 |
| 11DS0144 | Soil                             | 2.4   | 15.9  | 8.5   | 43    | <0.1  | 13.0  | 6.8   | 216   | 2.68  | 4.7   | 0.5   | 5.6   | 2.8   | 18    | <0.1  | 0.3   | 0.2   | 57    | 0.22  | 0.048 |
| 11DS0145 | Soil                             | 1.1   | 15.6  | 8.9   | 60    | <0.1  | 21.4  | 8.5   | 275   | 2.99  | 8.1   | 0.4   | <0.5  | 2.3   | 16    | 0.2   | 0.4   | 0.2   | 80    | 0.16  | 0.047 |
| 11DS0146 | Soil                             | 0.6   | 14.0  | 3.2   | 85    | <0.1  | 11.7  | 9.6   | 393   | 2.25  | 3.1   | 0.6   | 1.8   | 5.2   | 11    | <0.1  | 0.3   | <0.1  | 42    | 0.12  | 0.026 |
| 11DS0147 | Soil                             | 0.5   | 152.3 | 2.7   | 127   | <0.1  | 10.2  | 11.9  | 696   | 2.49  | 1.9   | 1.1   | 6.3   | 6.1   | 16    | <0.1  | 0.2   | 0.3   | 42    | 0.23  | 0.024 |
| 11DS0148 | Soil                             | 1.1   | 11.2  | 7.8   | 70    | <0.1  | 12.8  | 7.2   | 507   | 2.31  | 4.1   | 0.7   | 16.6  | 3.5   | 14    | 0.1   | 0.2   | 0.1   | 51    | 0.13  | 0.045 |
| 11DS0149 | Soil                             | 1.7   | 25.7  | 9.4   | 88    | <0.1  | 20.0  | 10.0  | 403   | 3.42  | 5.4   | 0.6   | 13.8  | 5.8   | 14    | <0.1  | 0.3   | 0.1   | 66    | 0.13  | 0.022 |
| 11DS0150 | Soil                             | 0.9   | 36.6  | 19.2  | 65    | 0.1   | 48.5  | 14.1  | 544   | 3.14  | 3.9   | 0.9   | 2.1   | 8.0   | 43    | <0.1  | 0.2   | 0.1   | 80    | 0.40  | 0.089 |
| 11DS0151 | Soil                             | 0.5   | 19.3  | 5.2   | 93    | <0.1  | 15.0  | 13.2  | 555   | 3.67  | 1.6   | 0.5   | 2.8   | 4.3   | 31    | <0.1  | 0.2   | <0.1  | 81    | 0.22  | 0.047 |
| 11DS0152 | Soil                             | 0.8   | 17.8  | 4.0   | 83    | <0.1  | 7.8   | 9.6   | 487   | 3.80  | 2.2   | 0.5   | 2.6   | 3.9   | 9     | <0.1  | 0.2   | <0.1  | 87    | 0.14  | 0.038 |
| 11DS0153 | Soil                             | 1.0   | 22.6  | 6.3   | 68    | <0.1  | 13.9  | 9.6   | 371   | 3.33  | 3.3   | 0.8   | 35.8  | 4.6   | 18    | <0.1  | 0.4   | 0.1   | 92    | 0.22  | 0.024 |
| 11DS0154 | Soil                             | 19.0  | 22.7  | 18.2  | 82    | 0.2   | 11.6  | 10.2  | 553   | 3.55  | 3.0   | 0.9   | 268.5 | 5.9   | 21    | <0.1  | 0.7   | 0.2   | 63    | 0.22  | 0.036 |
| 11DS0155 | Soil                             | 2.2   | 31.6  | 6.3   | 108   | <0.1  | 12.5  | 14.5  | 1029  | 4.75  | 2.2   | 0.7   | 8.0   | 3.9   | 38    | <0.1  | 0.2   | <0.1  | 97    | 0.63  | 0.182 |
| 11DS0156 | Soil                             | 0.5   | 28.8  | 4.2   | 106   | <0.1  | 7.2   | 15.9  | 504   | 4.49  | 2.2   | 0.3   | <0.5  | 1.0   | 24    | <0.1  | <0.1  | <0.1  | 133   | 0.49  | 0.082 |
| 11DS0157 | Soil                             | 0.6   | 28.8  | 8.3   | 80    | <0.1  | 13.2  | 11.7  | 630   | 3.50  | 2.9   | 0.5   | 3.9   | 6.3   | 24    | <0.1  | 0.2   | 0.2   | 50    | 0.33  | 0.048 |
| 11DS0158 | Soil                             | 0.7   | 11.0  | 8.9   | 70    | <0.1  | 4.8   | 4.9   | 161   | 1.56  | 2.2   | 0.3   | 2.3   | 1.7   | 13    | <0.1  | 0.1   | <0.1  | 22    | 0.10  | 0.019 |
| 11DS0159 | Soil                             | 0.5   | 20.3  | 6.9   | 89    | <0.1  | 16.6  | 20.6  | 667   | 3.82  | 4.2   | 0.4   | <0.5  | 1.7   | 27    | <0.1  | 0.2   | 0.1   | 75    | 0.62  | 0.161 |
| 11DS0160 | Soil                             | 2.7   | 84.6  | 6.2   | 55    | <0.1  | 14.0  | 20.1  | 188   | 4.18  | 2.0   | 0.9   | 24.1  | 4.4   | 8     | <0.1  | 0.2   | 0.1   | 41    | 0.08  | 0.020 |
| 11DS0161 | Soil                             | 2.4   | 68.9  | 5.3   | 53    | <0.1  | 14.0  | 19.6  | 171   | 3.80  | 2.1   | 0.9   | 24.7  | 4.0   | 8     | <0.1  | 0.2   | 0.1   | 41    | 0.09  | 0.019 |



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Report Date: July 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000313.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0142 | Soil                             | 14    | 33    | 0.60  | 222   | 0.090 | <1    | 2.16  | 0.010 | 0.07  | 0.1   | 0.04  | 4.6   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11DS0143 | Soil                             | 13    | 53    | 0.66  | 256   | 0.077 | <1    | 2.30  | 0.010 | 0.07  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11DS0144 | Soil                             | 14    | 21    | 0.40  | 344   | 0.033 | <1    | 1.66  | 0.008 | 0.08  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0145 | Soil                             | 10    | 29    | 0.44  | 196   | 0.075 | 1     | 1.87  | 0.010 | 0.08  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11DS0146 | Soil                             | 11    | 14    | 0.68  | 168   | 0.083 | <1    | 1.61  | 0.007 | 0.17  | <0.1  | 0.01  | 3.4   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11DS0147 | Soil                             | 15    | 13    | 1.39  | 204   | 0.098 | <1    | 1.87  | 0.007 | 0.20  | <0.1  | 0.01  | 6.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0148 | Soil                             | 12    | 20    | 0.42  | 285   | 0.048 | 1     | 1.40  | 0.008 | 0.11  | <0.1  | 0.02  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0149 | Soil                             | 13    | 30    | 0.66  | 259   | 0.063 | <1    | 2.24  | 0.008 | 0.14  | <0.1  | 0.03  | 5.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0150 | Soil                             | 19    | 88    | 1.25  | 534   | 0.118 | <1    | 2.18  | 0.016 | 0.07  | <0.1  | <0.01 | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0151 | Soil                             | 10    | 27    | 1.13  | 350   | 0.178 | <1    | 2.28  | 0.010 | 0.41  | 0.1   | <0.01 | 5.6   | 0.3   | <0.05 | 9     | 0.5   | <0.2  |
| 11DS0152 | Soil                             | 11    | 20    | 0.83  | 259   | 0.142 | <1    | 1.93  | 0.011 | 0.50  | <0.1  | 0.01  | 7.2   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11DS0153 | Soil                             | 20    | 23    | 0.69  | 399   | 0.109 | <1    | 2.03  | 0.016 | 0.19  | <0.1  | 0.01  | 6.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0154 | Soil                             | 22    | 19    | 0.51  | 433   | 0.058 | 1     | 1.57  | 0.010 | 0.15  | <0.1  | 0.04  | 6.0   | 0.1   | <0.05 | 5     | <0.5  | 0.2   |
| 11DS0155 | Soil                             | 16    | 17    | 1.15  | 767   | 0.051 | <1    | 2.32  | 0.013 | 0.19  | <0.1  | 0.03  | 6.1   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0156 | Soil                             | 3     | 16    | 1.20  | 239   | 0.285 | <1    | 2.63  | 0.024 | 0.29  | <0.1  | <0.01 | 3.8   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0157 | Soil                             | 15    | 27    | 0.79  | 205   | 0.063 | <1    | 1.99  | 0.010 | 0.20  | 0.1   | 0.01  | 4.3   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11DS0158 | Soil                             | 6     | 10    | 0.36  | 156   | 0.017 | <1    | 1.24  | 0.009 | 0.11  | <0.1  | <0.01 | 1.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0159 | Soil                             | 7     | 18    | 1.51  | 151   | 0.115 | <1    | 2.70  | 0.032 | 0.07  | <0.1  | <0.01 | 5.8   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0160 | Soil                             | 15    | 13    | 0.14  | 185   | 0.016 | <1    | 0.68  | 0.005 | 0.07  | <0.1  | 0.05  | 2.8   | <0.1  | <0.05 | 2     | 2.1   | 6.6   |
| 11DS0161 | Soil                             | 14    | 14    | 0.16  | 197   | 0.020 | <1    | 0.79  | 0.005 | 0.07  | <0.1  | 0.04  | 2.8   | <0.1  | <0.05 | 2     | 1.9   | 5.7   |



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Project: Mariposa  
Report Date: July 09, 2011

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## QUALITY CONTROL REPORT

WHI11000313.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|                 |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
| Pulp Duplicates |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0087        | Soil                             | 1.2   | 23.5  | 8.6   | 83    | <0.1  | 25.2  | 13.3  | 640   | 3.77  | 8.4   | 0.4   | 33.0  | 3.4   | 12    | 0.2   | 0.4   | 0.1   | 81    | 0.15  |
| REP 11DS0087    | QC                               | 1.2   | 23.2  | 8.4   | 82    | <0.1  | 25.2  | 12.4  | 639   | 3.71  | 8.8   | 0.4   | 2.0   | 3.2   | 11    | 0.1   | 0.5   | 0.2   | 79    | 0.15  |
| 11DS0093        | Soil                             | 1.0   | 22.7  | 6.8   | 83    | <0.1  | 17.2  | 11.5  | 586   | 3.32  | 5.7   | 0.8   | 2.7   | 3.8   | 15    | 0.2   | 0.4   | 0.1   | 65    | 0.19  |
| REP 11DS0093    | QC                               | 0.8   | 21.1  | 6.3   | 81    | <0.1  | 16.6  | 11.2  | 582   | 3.29  | 4.7   | 0.8   | 1.6   | 3.8   | 15    | 0.1   | 0.2   | <0.1  | 63    | 0.18  |
| 11CB0087        | Soil                             | 1.1   | 32.0  | 10.5  | 66    | 0.1   | 20.9  | 8.7   | 318   | 3.39  | 10.9  | 1.1   | 3.3   | 4.1   | 15    | <0.1  | 0.4   | 0.2   | 67    | 0.17  |
| REP 11CB0087    | QC                               | 1.1   | 31.0  | 10.6  | 68    | 0.1   | 21.7  | 8.8   | 322   | 3.35  | 10.8  | 1.1   | 2.3   | 3.9   | 15    | 0.1   | 0.5   | 0.2   | 66    | 0.17  |
| 11CB0106        | Soil                             | 2.4   | 28.8  | 147.5 | 94    | 0.2   | 19.0  | 11.3  | 782   | 3.28  | 7.4   | 0.7   | 37.8  | 4.2   | 16    | 0.2   | 0.4   | 0.3   | 58    | 0.16  |
| REP 11CB0106    | QC                               | 2.3   | 26.7  | 142.0 | 88    | 0.2   | 17.9  | 10.7  | 723   | 3.04  | 6.2   | 0.7   | 17.6  | 4.0   | 16    | 0.2   | 0.3   | 0.2   | 56    | 0.15  |
| 11NG0076        | Soil                             | 0.9   | 18.7  | 7.0   | 74    | <0.1  | 19.4  | 13.0  | 584   | 3.23  | 6.8   | 0.6   | 3.8   | 3.2   | 17    | <0.1  | 0.4   | <0.1  | 65    | 0.19  |
| REP 11NG0076    | QC                               | 1.0   | 18.5  | 6.8   | 73    | <0.1  | 19.0  | 12.6  | 581   | 3.24  | 6.7   | 0.5   | 3.7   | 3.1   | 17    | <0.1  | 0.4   | 0.1   | 63    | 0.20  |
| 11TB0075        | Soil                             | 2.5   | 30.4  | 13.0  | 89    | 0.3   | 14.6  | 7.5   | 673   | 3.09  | 4.2   | 2.2   | 17.6  | 4.7   | 66    | 0.3   | 0.4   | <0.1  | 35    | 1.09  |
| REP 11TB0075    | QC                               | 2.7   | 29.9  | 12.8  | 89    | 0.4   | 15.4  | 7.4   | 690   | 3.14  | 4.4   | 2.3   | 18.4  | 4.6   | 66    | 0.2   | 0.5   | <0.1  | 36    | 1.11  |
| 11NG0094        | Soil                             | 1.1   | 11.3  | 9.4   | 60    | <0.1  | 12.5  | 6.6   | 335   | 3.21  | 9.4   | 0.4   | 2.7   | 2.0   | 10    | <0.1  | 0.4   | 0.1   | 89    | 0.11  |
| REP 11NG0094    | QC                               | 1.0   | 11.7  | 9.4   | 60    | <0.1  | 11.4  | 6.5   | 317   | 3.04  | 8.9   | 0.3   | 3.4   | 2.0   | 10    | <0.1  | 0.4   | 0.1   | 85    | 0.10  |
| 11NG0109        | Soil                             | 1.2   | 30.4  | 11.0  | 66    | 0.1   | 21.8  | 9.4   | 491   | 2.76  | 8.8   | 1.1   | 3.7   | 3.5   | 14    | 0.2   | 0.5   | 0.2   | 60    | 0.17  |
| REP 11NG0109    | QC                               | 1.2   | 29.6  | 10.2  | 66    | 0.1   | 22.2  | 9.3   | 499   | 2.76  | 8.8   | 1.1   | 5.8   | 3.6   | 14    | 0.1   | 0.6   | 0.2   | 62    | 0.18  |
| 11TB0110        | Soil                             | 0.9   | 25.0  | 8.5   | 57    | <0.1  | 20.3  | 10.0  | 331   | 2.85  | 6.8   | 0.8   | 2.2   | 3.8   | 31    | <0.1  | 0.4   | 0.1   | 68    | 0.42  |
| REP 11TB0110    | QC                               | 0.9   | 25.2  | 8.4   | 58    | <0.1  | 20.0  | 10.0  | 338   | 2.84  | 7.1   | 0.7   | 1.6   | 3.8   | 31    | <0.1  | 0.4   | 0.1   | 67    | 0.41  |
| 11CB0122        | Soil                             | 0.9   | 18.9  | 6.5   | 85    | <0.1  | 12.9  | 9.1   | 452   | 3.24  | 3.3   | 0.6   | 49.4  | 3.3   | 15    | <0.1  | 0.2   | 0.2   | 69    | 0.17  |
| REP 11CB0122    | QC                               | 0.9   | 18.7  | 6.6   | 85    | <0.1  | 13.0  | 8.8   | 441   | 3.26  | 3.4   | 0.7   | 9.4   | 3.5   | 15    | <0.1  | 0.2   | 0.2   | 69    | 0.17  |
| 11CB0132        | Soil                             | 0.9   | 12.1  | 6.2   | 116   | <0.1  | 8.4   | 10.0  | 710   | 5.49  | 3.5   | 0.7   | <0.5  | 5.3   | 16    | <0.1  | 0.2   | <0.1  | 45    | 0.35  |
| REP 11CB0132    | QC                               | 0.8   | 12.3  | 5.8   | 117   | <0.1  | 8.2   | 9.8   | 690   | 5.55  | 3.5   | 0.7   | 0.7   | 5.2   | 16    | <0.1  | 0.2   | <0.1  | 46    | 0.34  |
| 11DS0117        | Soil                             | 1.1   | 12.6  | 5.6   | 78    | <0.1  | 15.8  | 13.4  | 864   | 3.65  | 5.2   | 0.4   | 2.2   | 3.2   | 14    | 0.1   | 0.3   | 0.1   | 69    | 0.22  |
| REP 11DS0117    | QC                               | 1.2   | 12.7  | 5.7   | 83    | <0.1  | 16.8  | 13.4  | 875   | 3.63  | 5.0   | 0.4   | 1.3   | 3.3   | 14    | <0.1  | 0.2   | 0.2   | 68    | 0.22  |
| 11NG0126        | Soil                             | 1.3   | 14.9  | 6.8   | 71    | <0.1  | 17.2  | 9.2   | 526   | 3.30  | 3.0   | 0.7   | 16.0  | 5.1   | 18    | <0.1  | 0.2   | 0.1   | 55    | 0.26  |
| REP 11NG0126    | QC                               | 1.1   | 15.3  | 6.6   | 73    | <0.1  | 17.3  | 9.1   | 528   | 3.27  | 2.7   | 0.7   | 29.4  | 5.2   | 19    | <0.1  | 0.2   | 0.1   | 56    | 0.27  |
| 11NG0145        | Soil                             | 1.0   | 14.3  | 7.4   | 89    | <0.1  | 19.9  | 11.8  | 641   | 3.07  | 6.9   | 0.6   | 2.8   | 4.2   | 15    | <0.1  | 0.4   | 0.1   | 56    | 0.17  |
| REP 11NG0145    | QC                               | 0.9   | 14.7  | 7.5   | 87    | <0.1  | 20.4  | 12.0  | 614   | 3.00  | 7.1   | 0.6   | 3.6   | 4.3   | 15    | 0.2   | 0.4   | 0.1   | 55    | 0.16  |



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Report Date: July 09, 2011

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## QUALITY CONTROL REPORT

WHI11000313.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                 |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                 |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11DS0087        | Soil                             | 8     | 41    | 0.96  | 232   | 0.151 | <1    | 2.64  | 0.009 | 0.25  | 0.1   | 0.03  | 5.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11DS0087    | QC                               | 7     | 40    | 0.98  | 228   | 0.144 | 1     | 2.60  | 0.009 | 0.25  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0093        | Soil                             | 12    | 33    | 0.97  | 271   | 0.145 | <1    | 2.16  | 0.008 | 0.39  | 0.1   | 0.02  | 6.6   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11DS0093    | QC                               | 12    | 32    | 0.96  | 273   | 0.142 | 1     | 2.14  | 0.009 | 0.39  | <0.1  | 0.02  | 6.4   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0087        | Soil                             | 16    | 37    | 0.64  | 269   | 0.091 | 2     | 2.48  | 0.009 | 0.11  | 0.2   | 0.02  | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB0087    | QC                               | 15    | 37    | 0.64  | 263   | 0.084 | 3     | 2.44  | 0.009 | 0.11  | 0.1   | 0.04  | 5.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0106        | Soil                             | 17    | 36    | 0.47  | 446   | 0.050 | 1     | 1.91  | 0.009 | 0.14  | <0.1  | 0.02  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11CB0106    | QC                               | 16    | 35    | 0.43  | 431   | 0.048 | 2     | 1.75  | 0.008 | 0.14  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0076        | Soil                             | 10    | 31    | 0.89  | 246   | 0.133 | <1    | 2.25  | 0.010 | 0.22  | 0.2   | 0.01  | 4.8   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| REP 11NG0076    | QC                               | 10    | 30    | 0.89  | 247   | 0.131 | <1    | 2.17  | 0.010 | 0.22  | 0.1   | <0.01 | 4.8   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11TB0075        | Soil                             | 38    | 23    | 0.43  | 959   | 0.028 | 3     | 1.50  | 0.012 | 0.21  | <0.1  | 0.03  | 8.7   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| REP 11TB0075    | QC                               | 38    | 23    | 0.43  | 959   | 0.028 | 3     | 1.49  | 0.012 | 0.21  | <0.1  | 0.05  | 8.7   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11NG0094        | Soil                             | 8     | 26    | 0.56  | 76    | 0.113 | 2     | 1.49  | 0.010 | 0.06  | 0.2   | 0.02  | 2.6   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| REP 11NG0094    | QC                               | 9     | 26    | 0.54  | 78    | 0.110 | 1     | 1.43  | 0.010 | 0.06  | 0.2   | <0.01 | 2.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0109        | Soil                             | 14    | 32    | 0.46  | 285   | 0.062 | <1    | 2.08  | 0.013 | 0.07  | 0.1   | 0.01  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11NG0109    | QC                               | 14    | 36    | 0.47  | 292   | 0.065 | 2     | 2.06  | 0.012 | 0.06  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0110        | Soil                             | 14    | 32    | 0.64  | 256   | 0.097 | 2     | 1.70  | 0.019 | 0.06  | 0.2   | 0.03  | 5.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11TB0110    | QC                               | 15    | 32    | 0.65  | 263   | 0.098 | 2     | 1.73  | 0.018 | 0.06  | 0.1   | 0.02  | 5.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0122        | Soil                             | 23    | 23    | 0.85  | 368   | 0.151 | 2     | 1.88  | 0.009 | 0.31  | 0.1   | <0.01 | 4.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB0122    | QC                               | 23    | 23    | 0.88  | 376   | 0.148 | 2     | 1.86  | 0.010 | 0.31  | 0.1   | <0.01 | 4.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0132        | Soil                             | 15    | 13    | 1.20  | 360   | 0.218 | 1     | 2.61  | 0.011 | 0.79  | <0.1  | <0.01 | 11.6  | 0.3   | <0.05 | 11    | <0.5  | <0.2  |
| REP 11CB0132    | QC                               | 15    | 13    | 1.17  | 365   | 0.217 | <1    | 2.44  | 0.011 | 0.81  | <0.1  | <0.01 | 11.2  | 0.2   | <0.05 | 11    | <0.5  | <0.2  |
| 11DS0117        | Soil                             | 10    | 32    | 0.74  | 201   | 0.139 | 1     | 1.61  | 0.008 | 0.33  | 0.2   | 0.01  | 5.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11DS0117    | QC                               | 11    | 31    | 0.75  | 203   | 0.141 | <1    | 1.62  | 0.008 | 0.34  | 0.2   | 0.01  | 5.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0126        | Soil                             | 16    | 27    | 0.69  | 599   | 0.132 | <1    | 1.67  | 0.010 | 0.42  | 0.1   | <0.01 | 6.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11NG0126    | QC                               | 17    | 28    | 0.67  | 610   | 0.130 | <1    | 1.63  | 0.009 | 0.42  | 0.1   | <0.01 | 6.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0145        | Soil                             | 12    | 29    | 0.82  | 286   | 0.092 | 2     | 2.67  | 0.010 | 0.13  | <0.1  | 0.03  | 5.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11NG0145    | QC                               | 12    | 29    | 0.81  | 301   | 0.090 | 2     | 2.54  | 0.010 | 0.13  | 0.1   | 0.02  | 4.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |



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Report Date: July 09, 2011

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## QUALITY CONTROL REPORT

WHI11000313.1

|                     |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|                     |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|                     |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB0149            | Soil     | 1.5   | 18.4  | 9.3   | 65    | <0.1  | 22.4  | 10.5  | 340   | 3.21  | 7.3   | 0.6   | 7.7   | 4.3   | 20    | <0.1  | 0.5   | 0.1   | 66    | 0.23  |
| REP 11CB0149        | QC       | 1.5   | 18.3  | 9.5   | 62    | <0.1  | 23.0  | 10.4  | 334   | 3.22  | 6.9   | 0.5   | 6.3   | 4.2   | 19    | <0.1  | 0.4   | 0.1   | 63    | 0.24  |
| 11CB0154            | Soil     | 1.3   | 17.0  | 9.1   | 93    | <0.1  | 18.6  | 15.5  | 644   | 3.89  | 7.9   | 0.4   | 1.8   | 3.6   | 16    | 0.1   | 0.4   | 0.2   | 92    | 0.22  |
| REP 11CB0154        | QC       | 1.2   | 16.0  | 8.6   | 91    | <0.1  | 18.2  | 15.8  | 625   | 3.97  | 7.9   | 0.4   | 2.6   | 3.5   | 16    | 0.2   | 0.5   | 0.2   | 90    | 0.23  |
| 11DS0139            | Soil     | 1.2   | 21.5  | 7.3   | 80    | 0.1   | 20.8  | 10.9  | 525   | 3.52  | 4.8   | 0.5   | 2.1   | 3.3   | 20    | <0.1  | 0.3   | 0.1   | 80    | 0.33  |
| REP 11DS0139        | QC       | 1.1   | 21.6  | 6.9   | 83    | 0.1   | 22.0  | 11.6  | 528   | 3.63  | 5.0   | 0.6   | 1.7   | 3.6   | 21    | <0.1  | 0.3   | 0.1   | 81    | 0.36  |
| Reference Materials |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard | 12.9  | 110.7 | 119.6 | 304   | 1.6   | 39.0  | 7.8   | 592   | 2.42  | 25.8  | 2.5   | 102.2 | 5.9   | 58    | 2.3   | 5.6   | 5.7   | 41    | 0.63  |
| STD DS8             | Standard | 12.6  | 106.1 | 120.2 | 287   | 1.7   | 36.6  | 7.3   | 569   | 2.28  | 26.5  | 2.5   | 110.0 | 6.2   | 58    | 2.2   | 5.9   | 5.9   | 39    | 0.62  |
| STD DS8             | Standard | 12.9  | 113.6 | 126.5 | 315   | 1.9   | 40.6  | 7.6   | 619   | 2.51  | 28.4  | 2.7   | 130.9 | 6.6   | 64    | 2.2   | 5.8   | 6.4   | 41    | 0.69  |
| STD DS8             | Standard | 14.0  | 107.9 | 121.6 | 314   | 1.7   | 38.3  | 7.3   | 615   | 2.42  | 27.6  | 2.7   | 113.1 | 6.7   | 65    | 2.4   | 5.6   | 6.0   | 42    | 0.67  |
| STD DS8             | Standard | 11.9  | 105.1 | 120.5 | 299   | 1.7   | 35.4  | 7.3   | 590   | 2.34  | 26.8  | 2.5   | 103.3 | 5.8   | 58    | 2.3   | 5.1   | 6.2   | 40    | 0.63  |
| STD DS8             | Standard | 13.7  | 114.8 | 125.8 | 323   | 1.8   | 38.6  | 7.8   | 651   | 2.51  | 28.7  | 2.7   | 118.3 | 6.6   | 65    | 2.4   | 5.5   | 6.4   | 43    | 0.71  |
| STD DS8             | Standard | 11.5  | 114.4 | 122.6 | 318   | 1.8   | 36.5  | 7.4   | 591   | 2.32  | 28.3  | 3.0   | 114.1 | 6.6   | 63    | 2.4   | 6.3   | 7.3   | 40    | 0.63  |
| STD DS8             | Standard | 13.1  | 112.7 | 121.9 | 313   | 1.7   | 36.2  | 7.6   | 617   | 2.43  | 28.2  | 2.8   | 109.2 | 6.9   | 63    | 2.3   | 5.9   | 7.4   | 42    | 0.66  |
| STD DS8             | Standard | 12.2  | 104.9 | 118.1 | 312   | 1.7   | 33.7  | 6.9   | 595   | 2.40  | 25.3  | 2.7   | 115.4 | 6.4   | 63    | 2.3   | 5.6   | 6.5   | 38    | 0.65  |
| STD DS8             | Standard | 12.5  | 97.7  | 114.3 | 299   | 1.8   | 33.8  | 6.7   | 567   | 2.24  | 24.4  | 2.7   | 109.5 | 6.5   | 63    | 2.2   | 5.7   | 6.5   | 38    | 0.63  |
| STD DS8             | Standard | 13.8  | 124.3 | 126.3 | 336   | 1.9   | 41.8  | 8.6   | 626   | 2.54  | 27.8  | 2.9   | 117.6 | 6.8   | 66    | 2.7   | 6.2   | 7.0   | 46    | 0.68  |
| STD DS8             | Standard | 15.1  | 124.3 | 131.7 | 333   | 1.8   | 41.2  | 8.2   | 619   | 2.50  | 26.9  | 3.0   | 111.4 | 7.0   | 68    | 2.6   | 6.0   | 7.0   | 45    | 0.72  |
| STD DS8             | Standard | 11.7  | 101.2 | 118.3 | 303   | 1.6   | 35.7  | 6.7   | 557   | 2.26  | 26.0  | 2.6   | 104.5 | 6.8   | 68    | 2.3   | 5.7   | 7.1   | 48    | 0.66  |
| STD DS8             | Standard | 12.7  | 105.5 | 121.0 | 313   | 1.6   | 37.4  | 7.2   | 616   | 2.39  | 27.8  | 2.6   | 114.7 | 6.4   | 71    | 2.3   | 5.9   | 6.7   | 48    | 0.68  |
| STD DS8             | Standard | 14.6  | 125.7 | 127.1 | 333   | 1.9   | 40.8  | 8.1   | 625   | 2.50  | 26.5  | 2.9   | 111.5 | 7.0   | 67    | 2.6   | 6.4   | 7.0   | 45    | 0.73  |
| STD DS8             | Standard | 15.5  | 125.4 | 130.0 | 339   | 1.9   | 42.3  | 8.6   | 647   | 2.54  | 27.6  | 3.0   | 124.1 | 7.2   | 69    | 2.6   | 6.5   | 7.1   | 48    | 0.75  |
| STD DS8             | Standard | 12.5  | 111.6 | 125.2 | 336   | 1.8   | 38.9  | 7.7   | 634   | 2.52  | 28.4  | 2.8   | 109.6 | 7.2   | 74    | 2.5   | 6.0   | 7.0   | 43    | 0.68  |
| STD DS8             | Standard | 13.7  | 108.9 | 121.8 | 335   | 1.7   | 38.1  | 7.5   | 636   | 2.50  | 26.9  | 2.8   | 114.3 | 7.0   | 73    | 2.8   | 6.0   | 7.1   | 43    | 0.70  |
| STD DS8             | Standard | 14.4  | 120.5 | 127.1 | 333   | 1.8   | 41.5  | 8.1   | 644   | 2.58  | 27.3  | 2.8   | 115.9 | 6.7   | 62    | 2.7   | 5.3   | 6.3   | 44    | 0.68  |
| STD DS8             | Standard | 13.3  | 112.7 | 121.7 | 318   | 1.8   | 39.7  | 7.5   | 609   | 2.45  | 26.0  | 2.6   | 103.5 | 6.2   | 59    | 2.2   | 5.1   | 6.1   | 42    | 0.66  |
| STD DS8             | Standard | 12.1  | 101.5 | 119.2 | 295   | 1.7   | 34.2  | 6.9   | 570   | 2.28  | 24.8  | 2.7   | 110.5 | 6.5   | 63    | 2.2   | 5.3   | 6.4   | 37    | 0.63  |
| STD DS8             | Standard | 12.6  | 101.4 | 119.8 | 292   | 1.8   | 34.6  | 6.8   | 572   | 2.27  | 24.8  | 2.8   | 105.2 | 6.8   | 65    | 2.3   | 5.6   | 6.5   | 38    | 0.64  |



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Project: Mariposa

Report Date: July 09, 2011

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## QUALITY CONTROL REPORT

WHI11000313.1

|                     |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|---------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| 11CB0149            | Soil     | 11                      | 38                      | 0.70                     | 270                     | 0.114                     | 2                      | 2.30                     | 0.014                     | 0.15                    | <0.1                     | 0.02                       | 4.0                       | 0.1                       | <0.05                   | 6                       | <0.5                      | <0.2                      |
| REP 11CB0149        | QC       | 11                      | 38                      | 0.70                     | 283                     | 0.112                     | 1                      | 2.24                     | 0.014                     | 0.15                    | 0.1                      | 0.02                       | 4.0                       | 0.2                       | <0.05                   | 6                       | <0.5                      | <0.2                      |
| 11CB0154            | Soil     | 7                       | 26                      | 0.70                     | 275                     | 0.119                     | <1                     | 2.45                     | 0.009                     | 0.24                    | 0.1                      | 0.01                       | 5.4                       | 0.2                       | 0.07                    | 8                       | <0.5                      | <0.2                      |
| REP 11CB0154        | QC       | 6                       | 27                      | 0.72                     | 283                     | 0.124                     | 1                      | 2.50                     | 0.009                     | 0.24                    | 0.1                      | 0.01                       | 5.6                       | 0.2                       | 0.05                    | 8                       | <0.5                      | <0.2                      |
| 11DS0139            | Soil     | 18                      | 33                      | 0.82                     | 360                     | 0.121                     | <1                     | 2.28                     | 0.012                     | 0.17                    | 0.1                      | 0.02                       | 5.5                       | 0.1                       | <0.05                   | 7                       | <0.5                      | <0.2                      |
| REP 11DS0139        | QC       | 19                      | 35                      | 0.87                     | 378                     | 0.133                     | <1                     | 2.42                     | 0.013                     | 0.18                    | 0.1                      | 0.03                       | 5.6                       | 0.1                       | <0.05                   | 7                       | 0.5                       | <0.2                      |
| Reference Materials |          |                         |                         |                          |                         |                           |                        |                          |                           |                         |                          |                            |                           |                           |                         |                         |                           |                           |
| STD DS8             | Standard | 13                      | 118                     | 0.59                     | 261                     | 0.110                     | 2                      | 0.84                     | 0.085                     | 0.40                    | 2.9                      | 0.18                       | 1.7                       | 5.2                       | 0.16                    | 5                       | 5.5                       | 5.1                       |
| STD DS8             | Standard | 13                      | 111                     | 0.57                     | 257                     | 0.107                     | 2                      | 0.82                     | 0.091                     | 0.42                    | 2.9                      | 0.20                       | 1.7                       | 5.0                       | 0.14                    | 4                       | 4.6                       | 4.8                       |
| STD DS8             | Standard | 13                      | 119                     | 0.64                     | 277                     | 0.109                     | 3                      | 0.94                     | 0.103                     | 0.46                    | 2.8                      | 0.21                       | 1.9                       | 5.3                       | 0.13                    | 4                       | 5.8                       | 4.9                       |
| STD DS8             | Standard | 15                      | 114                     | 0.63                     | 278                     | 0.117                     | 2                      | 0.93                     | 0.103                     | 0.44                    | 3.1                      | 0.22                       | 2.0                       | 5.3                       | 0.07                    | 5                       | 3.9                       | 4.7                       |
| STD DS8             | Standard | 13                      | 109                     | 0.58                     | 258                     | 0.099                     | 3                      | 0.78                     | 0.080                     | 0.41                    | 2.9                      | 0.20                       | 1.9                       | 5.2                       | 0.17                    | 5                       | 5.3                       | 4.8                       |
| STD DS8             | Standard | 15                      | 114                     | 0.62                     | 294                     | 0.115                     | 3                      | 0.91                     | 0.088                     | 0.43                    | 3.0                      | 0.19                       | 2.3                       | 5.4                       | 0.15                    | 5                       | 5.6                       | 5.1                       |
| STD DS8             | Standard | 12                      | 108                     | 0.60                     | 259                     | 0.108                     | 3                      | 0.84                     | 0.080                     | 0.40                    | 3.0                      | 0.20                       | 1.8                       | 5.4                       | 0.20                    | 4                       | 5.2                       | 4.8                       |
| STD DS8             | Standard | 14                      | 113                     | 0.59                     | 266                     | 0.120                     | 3                      | 0.85                     | 0.083                     | 0.41                    | 2.9                      | 0.21                       | 2.0                       | 5.2                       | 0.16                    | 4                       | 5.4                       | 5.0                       |
| STD DS8             | Standard | 13                      | 110                     | 0.60                     | 276                     | 0.108                     | 3                      | 0.84                     | 0.082                     | 0.40                    | 3.2                      | 0.23                       | 1.9                       | 5.5                       | 0.12                    | 5                       | 5.8                       | 5.1                       |
| STD DS8             | Standard | 14                      | 106                     | 0.56                     | 268                     | 0.107                     | 2                      | 0.83                     | 0.081                     | 0.39                    | 2.9                      | 0.19                       | 2.0                       | 5.2                       | 0.11                    | 4                       | 5.1                       | 5.4                       |
| STD DS8             | Standard | 15                      | 127                     | 0.63                     | 277                     | 0.126                     | 3                      | 0.92                     | 0.084                     | 0.43                    | 3.1                      | 0.21                       | 2.1                       | 5.4                       | 0.13                    | 5                       | 5.7                       | 5.0                       |
| STD DS8             | Standard | 16                      | 123                     | 0.62                     | 282                     | 0.130                     | 2                      | 0.91                     | 0.086                     | 0.44                    | 3.1                      | 0.21                       | 2.3                       | 5.8                       | 0.19                    | 5                       | 5.7                       | 5.0                       |
| STD DS8             | Standard | 13                      | 104                     | 0.57                     | 280                     | 0.113                     | 1                      | 0.86                     | 0.080                     | 0.38                    | 2.7                      | 0.17                       | 1.8                       | 5.1                       | 0.17                    | 5                       | 5.3                       | 5.0                       |
| STD DS8             | Standard | 14                      | 111                     | 0.58                     | 278                     | 0.114                     | 2                      | 0.86                     | 0.079                     | 0.40                    | 3.2                      | 0.19                       | 2.0                       | 5.3                       | 0.16                    | 5                       | 5.9                       | 5.1                       |
| STD DS8             | Standard | 16                      | 123                     | 0.65                     | 282                     | 0.129                     | 3                      | 0.93                     | 0.087                     | 0.44                    | 3.1                      | 0.20                       | 2.2                       | 5.6                       | 0.17                    | 5                       | 5.6                       | 5.6                       |
| STD DS8             | Standard | 17                      | 130                     | 0.67                     | 288                     | 0.139                     | 2                      | 0.97                     | 0.094                     | 0.46                    | 3.0                      | 0.20                       | 2.4                       | 5.7                       | 0.18                    | 5                       | 5.5                       | 5.0                       |
| STD DS8             | Standard | 15                      | 119                     | 0.63                     | 283                     | 0.121                     | 3                      | 0.96                     | 0.097                     | 0.43                    | 3.0                      | 0.22                       | 2.1                       | 5.4                       | 0.17                    | 5                       | 5.7                       | 5.2                       |
| STD DS8             | Standard | 15                      | 121                     | 0.64                     | 279                     | 0.122                     | 3                      | 0.92                     | 0.096                     | 0.45                    | 2.9                      | 0.20                       | 2.1                       | 5.4                       | 0.17                    | 5                       | 5.2                       | 5.1                       |
| STD DS8             | Standard | 14                      | 126                     | 0.62                     | 278                     | 0.115                     | 2                      | 0.92                     | 0.086                     | 0.41                    | 2.9                      | 0.21                       | 2.1                       | 5.6                       | 0.17                    | 5                       | 5.3                       | 5.2                       |
| STD DS8             | Standard | 14                      | 119                     | 0.59                     | 264                     | 0.108                     | 1                      | 0.88                     | 0.089                     | 0.39                    | 2.9                      | 0.21                       | 2.0                       | 5.4                       | 0.16                    | 5                       | 5.0                       | 5.2                       |
| STD DS8             | Standard | 13                      | 107                     | 0.56                     | 259                     | 0.105                     | 3                      | 0.83                     | 0.074                     | 0.39                    | 3.0                      | 0.20                       | 1.8                       | 5.2                       | 0.10                    | 4                       | 4.4                       | 5.0                       |
| STD DS8             | Standard | 15                      | 108                     | 0.57                     | 271                     | 0.113                     | 2                      | 0.86                     | 0.082                     | 0.40                    | 3.0                      | 0.18                       | 2.1                       | 5.2                       | 0.11                    | 4                       | 4.2                       | 5.3                       |





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## QUALITY CONTROL REPORT

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|                  |          | 1DX15<br>Mo<br>ppm<br>0.1 | 1DX15<br>Cu<br>ppm<br>0.1 | 1DX15<br>Pb<br>ppm<br>0.1 | 1DX15<br>Zn<br>ppm<br>1 | 1DX15<br>Ag<br>ppm<br>0.1 | 1DX15<br>Ni<br>ppm<br>0.1 | 1DX15<br>Co<br>ppm<br>0.1 | 1DX15<br>Mn<br>ppm<br>1 | 1DX15<br>Fe<br>%<br>0.01 | 1DX15<br>As<br>ppm<br>0.5 | 1DX15<br>U<br>ppm<br>0.1 | 1DX15<br>Au<br>ppb<br>0.5 | 1DX15<br>Th<br>ppm<br>0.1 | 1DX15<br>Sr<br>ppm<br>1 | 1DX15<br>Cd<br>ppm<br>0.1 | 1DX15<br>Sb<br>ppm<br>0.1 | 1DX15<br>Bi<br>ppm<br>0.1 | 1DX15<br>V<br>ppm<br>2 | 1DX15<br>Ca<br>%<br>0.01 | 1DX15<br>P<br>%<br>0.001 |
|------------------|----------|---------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|-------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|--------------------------|--------------------------|
| STD DS8          | Standard | 12.4                      | 104.7                     | 134.5                     | 307                     | 1.7                       | 37.9                      | 7.3                       | 586                     | 2.35                     | 25.9                      | 2.9                      | 107.5                     | 7.7                       | 70                      | 2.3                       | 6.0                       | 7.6                       | 41                     | 0.66                     | 0.078                    |
| STD DS8          | Standard | 13.3                      | 106.2                     | 133.8                     | 305                     | 1.8                       | 38.3                      | 7.1                       | 591                     | 2.36                     | 25.1                      | 3.1                      | 108.9                     | 8.0                       | 73                      | 2.2                       | 6.1                       | 7.5                       | 42                     | 0.67                     | 0.079                    |
| STD DS8          | Standard | 13.5                      | 109.1                     | 124.2                     | 324                     | 1.8                       | 38.4                      | 7.7                       | 607                     | 2.44                     | 26.7                      | 2.7                      | 122.3                     | 6.5                       | 63                      | 2.6                       | 5.8                       | 6.6                       | 43                     | 0.67                     | 0.085                    |
| STD DS8          | Standard | 14.1                      | 110.6                     | 123.2                     | 331                     | 1.8                       | 39.0                      | 8.0                       | 624                     | 2.51                     | 28.0                      | 2.7                      | 111.4                     | 6.3                       | 64                      | 2.3                       | 5.9                       | 6.6                       | 44                     | 0.69                     | 0.083                    |
| STD DS8 Expected |          | 13.44                     | 110                       | 123                       | 312                     | 1.69                      | 38.1                      | 7.5                       | 615                     | 2.46                     | 26                        | 2.8                      | 107                       | 6.89                      | 67.7                    | 2.38                      | 5.7                       | 6.67                      | 41.1                   | 0.7                      | 0.08                     |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK              | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |



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Project: Mariposa

Report Date: July 09, 2011

Page: 3 of 3 Part 2

## QUALITY CONTROL REPORT

WHI11000313.1

|                  |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| STD DS8          | Standard | 15                      | 116                     | 0.61                     | 286                     | 0.117                     | 4                      | 0.88                     | 0.083                     | 0.41                    | 3.1                      | 0.21                       | 1.9                       | 5.3                       | 0.12                    | 4                       | 5.6                       | 5.0                       |
| STD DS8          | Standard | 16                      | 115                     | 0.60                     | 286                     | 0.123                     | 3                      | 0.90                     | 0.086                     | 0.40                    | 3.0                      | 0.21                       | 1.9                       | 5.5                       | 0.13                    | 5                       | 4.8                       | 4.5                       |
| STD DS8          | Standard | 14                      | 119                     | 0.63                     | 277                     | 0.110                     | 3                      | 0.93                     | 0.090                     | 0.43                    | 3.1                      | 0.20                       | 2.1                       | 5.6                       | 0.20                    | 5                       | 5.6                       | 4.6                       |
| STD DS8          | Standard | 15                      | 121                     | 0.62                     | 295                     | 0.114                     | 3                      | 0.91                     | 0.095                     | 0.44                    | 3.1                      | 0.19                       | 2.3                       | 5.7                       | 0.19                    | 5                       | 5.4                       | 5.0                       |
| STD DS8 Expected |          | 14.6                    | 115                     | 0.6045                   | 279                     | 0.113                     | 2.6                    | 0.93                     | 0.0883                    | 0.41                    | 3                        | 0.192                      | 2.3                       | 5.4                       | 0.1679                  | 4.7                     | 5.23                      | 5                         |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |



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**Project:** None Given

**Report Date:** July 04, 2011

**Page:** 3 of 3 **Part** 2

## QUALITY CONTROL REPORT

WHI11000260.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | La    | Cr    | Mg    | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|     |       | ppm   | ppm   | %     | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|     |       | 1     | 1     | 0.01  | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: June 28, 2011

Report Date: July 11, 2011

Page: 1 of 3

## CERTIFICATE OF ANALYSIS

WHI11000329.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-04  
P.O. Number  
Number of Samples: 36

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: John Brock  
Janice Fingler  
Katie Dodd

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 36                | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 36                | Dry at 60C                                 |              |               | WHI |
| RJSV        | 36                | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 36                | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: July 11, 2011

Page: 2 of 3 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000329.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0162 | Soil                             | 0.9   | 11.2  | 7.7   | 67    | <0.1  | 11.9  | 9.4   | 799   | 3.29  | 3.5   | 0.2   | 2.6   | 1.2   | 26    | 0.3   | 0.3   | 0.1   | 76    | 0.40  | 0.037 |
| 11TB0132 | Soil                             | 1.0   | 21.6  | 8.4   | 71    | <0.1  | 20.0  | 13.7  | 419   | 3.67  | 7.5   | 0.4   | 9.1   | 2.2   | 16    | <0.1  | 0.3   | 0.1   | 94    | 0.34  | 0.052 |
| 11TB0133 | Soil                             | 1.0   | 39.2  | 4.6   | 82    | 0.2   | 20.3  | 17.9  | 583   | 3.88  | 3.6   | 0.4   | 3.9   | 1.3   | 20    | <0.1  | 0.2   | <0.1  | 110   | 0.55  | 0.100 |
| 11TB0134 | Soil                             | 1.0   | 28.2  | 7.3   | 70    | 0.1   | 20.6  | 14.8  | 569   | 3.75  | 5.8   | 0.4   | 2.9   | 2.1   | 15    | <0.1  | 0.3   | 0.1   | 103   | 0.36  | 0.070 |
| 11TB0135 | Soil                             | 2.1   | 39.6  | 7.8   | 68    | 0.3   | 40.2  | 13.5  | 440   | 3.60  | 6.3   | 0.7   | 3.8   | 2.2   | 22    | 0.1   | 0.3   | 0.1   | 85    | 0.45  | 0.066 |
| 11TB0136 | Soil                             | 1.6   | 14.8  | 9.9   | 51    | 0.2   | 23.8  | 7.7   | 349   | 3.16  | 6.4   | 0.3   | 2.7   | 0.7   | 13    | 0.2   | 0.3   | 0.2   | 71    | 0.15  | 0.078 |
| 11TB0137 | Soil                             | 1.3   | 15.4  | 7.1   | 75    | <0.1  | 22.7  | 15.9  | 631   | 4.00  | 9.2   | 0.4   | 7.4   | 2.4   | 12    | 0.2   | 0.5   | 0.1   | 78    | 0.14  | 0.063 |
| 11TB0138 | Soil                             | 1.2   | 13.4  | 12.1  | 66    | 0.1   | 15.4  | 7.9   | 344   | 3.53  | 8.3   | 0.4   | 4.2   | 2.8   | 13    | 0.1   | 0.5   | 0.2   | 72    | 0.11  | 0.034 |
| 11TB0139 | Soil                             | 1.0   | 19.7  | 6.6   | 64    | <0.1  | 21.8  | 10.3  | 321   | 3.13  | 8.9   | 0.5   | 2.8   | 2.8   | 12    | 0.1   | 0.4   | 0.1   | 66    | 0.13  | 0.018 |
| 11TB0140 | Soil                             | 1.1   | 26.4  | 8.2   | 83    | 0.2   | 19.0  | 13.4  | 778   | 3.38  | 3.1   | 0.6   | 32.1  | 3.5   | 15    | <0.1  | 0.3   | 0.1   | 62    | 0.26  | 0.037 |
| 11TB0141 | Soil                             | 1.0   | 25.6  | 4.1   | 82    | 0.2   | 17.5  | 12.4  | 797   | 3.14  | 3.4   | 0.6   | 17.3  | 3.2   | 15    | 0.1   | 0.2   | 0.1   | 60    | 0.27  | 0.040 |
| 11TB0142 | Soil                             | 2.8   | 31.7  | 17.5  | 70    | 0.2   | 67.3  | 15.4  | 717   | 3.76  | 7.4   | 0.9   | 24.9  | 4.2   | 34    | <0.1  | 0.3   | 0.2   | 73    | 0.52  | 0.093 |
| 11TB0143 | Soil                             | 1.3   | 23.1  | 5.5   | 73    | 0.2   | 25.0  | 10.5  | 728   | 3.13  | 3.7   | 0.6   | 10.4  | 3.4   | 16    | <0.1  | 0.3   | 0.1   | 60    | 0.22  | 0.042 |
| 11TB0144 | Soil                             | 1.2   | 21.7  | 9.0   | 62    | 0.1   | 19.1  | 9.0   | 398   | 3.14  | 6.6   | 0.5   | 15.6  | 3.4   | 17    | <0.1  | 0.3   | 0.1   | 68    | 0.24  | 0.027 |
| 11TB0145 | Soil                             | 1.6   | 16.4  | 7.2   | 58    | <0.1  | 20.2  | 8.6   | 382   | 3.06  | 5.7   | 0.4   | 8.5   | 3.0   | 17    | <0.1  | 0.3   | 0.1   | 67    | 0.25  | 0.028 |
| 11TB0146 | Soil                             | 1.9   | 18.4  | 8.7   | 66    | <0.1  | 16.6  | 9.6   | 398   | 3.26  | 4.9   | 0.5   | 28.6  | 3.4   | 20    | <0.1  | 0.3   | <0.1  | 68    | 0.31  | 0.033 |
| 11TB0147 | Soil                             | 1.1   | 26.6  | 6.1   | 73    | <0.1  | 16.0  | 11.8  | 439   | 3.55  | 5.8   | 0.5   | 3.6   | 2.1   | 25    | <0.1  | 0.3   | <0.1  | 77    | 0.38  | 0.047 |
| 11TB0148 | Soil                             | 1.1   | 15.7  | 18.1  | 83    | <0.1  | 14.3  | 10.6  | 552   | 3.44  | 5.1   | 0.3   | 11.2  | 2.3   | 15    | <0.1  | 0.3   | 0.1   | 59    | 0.21  | 0.044 |
| 11TB0149 | Soil                             | 0.6   | 20.3  | 5.1   | 85    | <0.1  | 7.2   | 7.7   | 368   | 2.73  | 4.1   | 0.2   | 1.7   | 0.8   | 35    | <0.1  | 0.1   | <0.1  | 49    | 0.28  | 0.058 |
| 11TB0150 | Soil                             | 1.0   | 31.4  | 8.2   | 69    | 0.2   | 38.7  | 20.1  | 396   | 3.87  | 8.3   | 0.4   | 2.5   | 2.8   | 18    | 0.1   | 0.4   | 0.1   | 92    | 0.29  | 0.048 |
| 11TB0151 | Soil                             | 1.4   | 31.2  | 7.5   | 72    | 0.1   | 26.5  | 13.0  | 452   | 3.65  | 9.8   | 0.5   | 2.9   | 2.9   | 17    | <0.1  | 0.4   | 0.1   | 97    | 0.20  | 0.025 |
| 11TB0152 | Soil                             | 1.6   | 11.3  | 5.6   | 88    | <0.1  | 10.5  | 13.2  | 552   | 5.34  | 3.8   | 0.4   | 2.7   | 2.2   | 22    | <0.1  | 0.3   | <0.1  | 102   | 0.22  | 0.028 |
| 11TB0153 | Soil                             | 1.2   | 13.7  | 6.3   | 75    | <0.1  | 14.6  | 13.3  | 682   | 4.63  | 4.8   | 0.3   | 2.9   | 2.0   | 20    | 0.1   | 0.4   | <0.1  | 104   | 0.28  | 0.027 |
| 11TB0154 | Soil                             | 0.8   | 23.8  | 4.4   | 49    | <0.1  | 29.6  | 14.1  | 286   | 3.34  | 1.6   | 0.4   | 2.9   | 2.5   | 11    | <0.1  | 0.1   | <0.1  | 61    | 0.21  | 0.028 |
| 11TB0155 | Soil                             | 1.3   | 13.3  | 8.6   | 86    | 0.1   | 19.0  | 8.9   | 386   | 2.76  | 5.7   | 0.3   | 2.8   | 1.9   | 18    | 0.2   | 0.3   | 0.1   | 59    | 0.16  | 0.030 |
| 11TB0156 | Soil                             | 1.3   | 13.0  | 9.0   | 64    | <0.1  | 18.4  | 12.4  | 422   | 3.25  | 7.0   | 0.4   | 2.9   | 2.5   | 22    | <0.1  | 0.4   | 0.1   | 73    | 0.22  | 0.021 |
| 11TB0157 | Soil                             | 1.3   | 23.0  | 7.2   | 73    | <0.1  | 28.7  | 10.6  | 354   | 3.30  | 11.1  | 0.4   | 3.2   | 3.5   | 20    | <0.1  | 0.5   | 0.1   | 70    | 0.21  | 0.023 |
| 11TB0158 | Soil                             | 1.4   | 21.6  | 11.1  | 108   | 0.2   | 13.7  | 14.5  | 724   | 3.88  | 6.3   | 0.2   | 0.7   | 1.2   | 27    | 0.3   | 0.3   | 0.1   | 92    | 0.43  | 0.054 |
| 11TB0159 | Soil                             | 1.4   | 37.9  | 7.3   | 184   | 0.1   | 11.3  | 16.0  | 2035  | 4.89  | 4.6   | 0.2   | 1.2   | 1.3   | 33    | 0.4   | 0.2   | <0.1  | 91    | 0.91  | 0.154 |
| 11TB0160 | Soil                             | 8.2   | 22.6  | 37.0  | 71    | 1.6   | 15.5  | 9.3   | 287   | 3.20  | 6.1   | 0.5   | 97.1  | 3.0   | 12    | 0.2   | 0.9   | 0.1   | 65    | 0.16  | 0.024 |



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Project: Mariposa  
Report Date: July 11, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000329.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0162 | Soil                             | 5     | 20    | 0.53  | 407   | 0.057 | 1     | 1.70  | 0.012 | 0.14  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0132 | Soil                             | 9     | 34    | 0.85  | 247   | 0.138 | <1    | 2.27  | 0.015 | 0.09  | 0.1   | 0.02  | 3.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0133 | Soil                             | 7     | 40    | 1.29  | 373   | 0.205 | 1     | 2.59  | 0.017 | 0.52  | 0.1   | 0.03  | 4.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0134 | Soil                             | 8     | 35    | 0.99  | 261   | 0.150 | <1    | 2.36  | 0.017 | 0.20  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0135 | Soil                             | 15    | 61    | 0.91  | 502   | 0.070 | <1    | 2.32  | 0.016 | 0.09  | 0.1   | 0.05  | 7.1   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11TB0136 | Soil                             | 12    | 47    | 0.47  | 233   | 0.064 | <1    | 1.62  | 0.010 | 0.09  | <0.1  | 0.02  | 2.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0137 | Soil                             | 9     | 37    | 0.76  | 225   | 0.079 | <1    | 2.70  | 0.010 | 0.11  | 0.1   | 0.03  | 4.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0138 | Soil                             | 9     | 30    | 0.63  | 178   | 0.083 | 2     | 1.55  | 0.007 | 0.10  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0139 | Soil                             | 9     | 35    | 0.69  | 228   | 0.092 | 3     | 2.29  | 0.011 | 0.09  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0140 | Soil                             | 14    | 30    | 0.96  | 435   | 0.101 | <1    | 2.00  | 0.010 | 0.16  | 0.1   | 0.02  | 5.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0141 | Soil                             | 13    | 27    | 0.93  | 425   | 0.097 | <1    | 1.92  | 0.008 | 0.16  | <0.1  | 0.02  | 5.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0142 | Soil                             | 22    | 65    | 0.67  | 1354  | 0.057 | <1    | 2.10  | 0.010 | 0.11  | 0.1   | 0.03  | 6.1   | 0.3   | <0.05 | 6     | 0.8   | 0.2   |
| 11TB0143 | Soil                             | 15    | 33    | 0.68  | 481   | 0.065 | <1    | 1.76  | 0.009 | 0.11  | 0.1   | 0.01  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0144 | Soil                             | 12    | 36    | 0.68  | 345   | 0.081 | <1    | 2.07  | 0.011 | 0.11  | 0.1   | 0.02  | 3.9   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11TB0145 | Soil                             | 11    | 36    | 0.65  | 329   | 0.104 | <1    | 1.96  | 0.012 | 0.13  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0146 | Soil                             | 12    | 32    | 0.85  | 305   | 0.121 | 2     | 1.94  | 0.014 | 0.15  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0147 | Soil                             | 10    | 30    | 0.86  | 317   | 0.128 | <1    | 2.34  | 0.016 | 0.09  | <0.1  | 0.02  | 3.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0148 | Soil                             | 10    | 27    | 0.69  | 217   | 0.079 | <1    | 2.34  | 0.011 | 0.23  | <0.1  | 0.02  | 2.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0149 | Soil                             | 3     | 15    | 0.83  | 226   | 0.074 | <1    | 2.39  | 0.008 | 0.21  | <0.1  | 0.01  | 1.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0150 | Soil                             | 9     | 61    | 1.01  | 252   | 0.113 | <1    | 3.07  | 0.022 | 0.07  | 0.1   | 0.02  | 4.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0151 | Soil                             | 10    | 44    | 0.74  | 277   | 0.096 | 2     | 2.63  | 0.012 | 0.07  | 0.1   | 0.03  | 5.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0152 | Soil                             | 10    | 15    | 0.92  | 362   | 0.054 | 1     | 2.54  | 0.010 | 0.31  | <0.1  | 0.01  | 12.7  | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0153 | Soil                             | 7     | 24    | 0.80  | 418   | 0.073 | <1    | 2.27  | 0.014 | 0.22  | <0.1  | 0.01  | 8.0   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0154 | Soil                             | 10    | 48    | 0.97  | 148   | 0.073 | <1    | 1.66  | 0.017 | 0.10  | <0.1  | <0.01 | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0155 | Soil                             | 7     | 30    | 0.44  | 266   | 0.045 | <1    | 2.17  | 0.010 | 0.12  | <0.1  | 0.01  | 2.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0156 | Soil                             | 11    | 32    | 0.91  | 292   | 0.104 | <1    | 2.29  | 0.014 | 0.08  | <0.1  | 0.02  | 4.3   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0157 | Soil                             | 8     | 42    | 0.71  | 154   | 0.131 | <1    | 2.41  | 0.011 | 0.13  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0158 | Soil                             | 5     | 24    | 0.82  | 280   | 0.201 | <1    | 2.44  | 0.019 | 0.15  | 0.1   | 0.03  | 2.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0159 | Soil                             | 6     | 16    | 1.35  | 450   | 0.190 | 2     | 2.60  | 0.022 | 0.13  | <0.1  | 0.01  | 7.3   | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| 11TB0160 | Soil                             | 13    | 28    | 0.51  | 304   | 0.061 | <1    | 1.99  | 0.010 | 0.11  | <0.1  | 0.03  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | 0.3   |





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**Project:** Mariposa  
**Report Date:** July 11, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000329.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11TB0161 | Soil                             | 9.8   | 22.2  | 39.3  | 72    | 2.5   | 15.7  | 8.2   | 294   | 3.15  | 6.2   | 0.4   | 106.0 | 2.8   | 12    | 0.2   | 1.0   | 0.2   | 62    | 0.15  | 0.024 |
| 11TB0162 | Soil                             | 1.2   | 23.2  | 6.8   | 98    | 0.2   | 13.3  | 10.7  | 696   | 4.17  | 4.1   | 0.6   | 9.2   | 3.7   | 21    | <0.1  | 0.3   | <0.1  | 86    | 0.50  | 0.062 |
| 11TB0163 | Soil                             | 1.9   | 23.8  | 6.7   | 73    | 0.1   | 23.2  | 11.7  | 355   | 3.33  | 6.5   | 0.3   | 12.8  | 2.0   | 20    | <0.1  | 0.4   | 0.1   | 73    | 0.25  | 0.034 |
| 11TB0164 | Soil                             | 1.2   | 21.0  | 8.0   | 82    | 0.2   | 22.8  | 14.4  | 802   | 3.99  | 7.5   | 0.3   | 3.5   | 2.2   | 16    | 0.1   | 0.4   | 0.1   | 96    | 0.20  | 0.035 |
| 11TB0165 | Soil                             | 1.5   | 30.6  | 7.9   | 80    | 0.2   | 24.2  | 11.8  | 377   | 4.06  | 6.3   | 0.4   | 7.4   | 2.2   | 18    | <0.1  | 0.3   | <0.1  | 99    | 0.20  | 0.038 |
| 11NG0149 | Soil                             | 0.8   | 29.6  | 11.8  | 68    | <0.1  | 27.7  | 10.6  | 434   | 3.09  | 5.9   | 0.9   | 9.4   | 6.0   | 25    | <0.1  | 0.3   | 0.2   | 68    | 0.23  | 0.036 |



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## CERTIFICATE OF ANALYSIS

WHI11000329.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0161 | Soil                             | 12    | 28    | 0.45  | 291   | 0.058 | 1     | 1.82  | 0.010 | 0.10  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 6     | 0.6   | 0.3   |
| 11TB0162 | Soil                             | 18    | 25    | 1.09  | 524   | 0.154 | 1     | 2.34  | 0.013 | 0.39  | 0.1   | 0.02  | 7.2   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0163 | Soil                             | 8     | 37    | 0.84  | 294   | 0.091 | <1    | 2.32  | 0.014 | 0.12  | <0.1  | 0.02  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0164 | Soil                             | 8     | 45    | 0.91  | 323   | 0.115 | <1    | 2.43  | 0.014 | 0.14  | 0.1   | 0.02  | 4.1   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0165 | Soil                             | 8     | 53    | 1.28  | 280   | 0.136 | <1    | 3.19  | 0.012 | 0.17  | <0.1  | 0.02  | 5.0   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0149 | Soil                             | 20    | 53    | 0.93  | 426   | 0.105 | <1    | 2.27  | 0.011 | 0.08  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |



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Report Date: July 11, 2011

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## QUALITY CONTROL REPORT

WHI11000329.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11TB0134            | Soil                             | 1.0   | 28.2  | 7.3   | 70    | 0.1   | 20.6  | 14.8  | 569   | 3.75  | 5.8   | 0.4   | 2.9   | 2.1   | 15    | <0.1  | 0.3   | 0.1   | 103   | 0.36  | 0.070  |
| REP 11TB0134        | QC                               | 0.9   | 28.1  | 7.0   | 71    | 0.1   | 19.6  | 14.8  | 565   | 3.70  | 6.1   | 0.3   | 2.7   | 2.0   | 15    | 0.1   | 0.3   | 0.1   | 101   | 0.36  | 0.072  |
| 11TB0153            | Soil                             | 1.2   | 13.7  | 6.3   | 75    | <0.1  | 14.6  | 13.3  | 682   | 4.63  | 4.8   | 0.3   | 2.9   | 2.0   | 20    | 0.1   | 0.4   | <0.1  | 104   | 0.28  | 0.027  |
| REP 11TB0153        | QC                               | 1.2   | 13.5  | 6.3   | 76    | <0.1  | 14.7  | 13.1  | 676   | 4.61  | 5.1   | 0.3   | 0.7   | 2.0   | 21    | 0.1   | 0.4   | <0.1  | 104   | 0.27  | 0.026  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 14.7  | 119.4 | 97.4  | 338   | 1.9   | 41.0  | 8.1   | 674   | 2.66  | 28.2  | 2.3   | 111.0 | 5.7   | 61    | 2.5   | 5.2   | 5.5   | 46    | 0.77  | 0.084  |
| STD DS8             | Standard                         | 14.6  | 119.4 | 101.6 | 338   | 1.9   | 42.8  | 8.1   | 674   | 2.67  | 28.4  | 2.3   | 125.7 | 5.8   | 62    | 2.5   | 5.3   | 5.6   | 47    | 0.79  | 0.089  |
| STD DS8             | Standard                         | 13.6  | 113.4 | 127.4 | 352   | 1.8   | 41.8  | 7.6   | 647   | 2.62  | 27.2  | 3.1   | 115.6 | 7.5   | 72    | 2.5   | 6.3   | 7.0   | 42    | 0.71  | 0.084  |
| STD DS8             | Standard                         | 13.5  | 107.0 | 129.6 | 326   | 1.8   | 38.5  | 7.4   | 614   | 2.43  | 26.0  | 2.9   | 104.0 | 7.4   | 72    | 2.6   | 5.9   | 6.9   | 41    | 0.67  | 0.080  |
| STD DS8             | Standard                         | 12.5  | 102.0 | 138.2 | 306   | 1.7   | 35.2  | 7.2   | 593   | 2.37  | 25.6  | 2.9   | 115.0 | 7.0   | 70    | 2.2   | 5.8   | 6.5   | 41    | 0.66  | 0.076  |
| STD DS8             | Standard                         | 12.6  | 99.7  | 130.9 | 300   | 1.5   | 37.7  | 7.0   | 586   | 2.32  | 23.7  | 2.7   | 110.7 | 6.7   | 67    | 2.2   | 5.3   | 6.1   | 38    | 0.63  | 0.074  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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## QUALITY CONTROL REPORT

WHI11000329.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11TB0134            | Soil                             | 8     | 35    | 0.99   | 261   | 0.150  | <1    | 2.36  | 0.017  | 0.20  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| REP 11TB0134        | QC                               | 8     | 35    | 1.00   | 259   | 0.150  | <1    | 2.31  | 0.017  | 0.20  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| 11TB0153            | Soil                             | 7     | 24    | 0.80   | 418   | 0.073  | <1    | 2.27  | 0.014  | 0.22  | <0.1  | 0.01  | 8.0   | 0.1   | <0.05  | 9     | <0.5  | <0.2  |
| REP 11TB0153        | QC                               | 7     | 23    | 0.79   | 414   | 0.073  | <1    | 2.25  | 0.013  | 0.21  | 0.1   | 0.01  | 8.1   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 15    | 130   | 0.68   | 311   | 0.125  | <1    | 0.99  | 0.096  | 0.45  | 3.3   | 0.21  | 2.0   | 5.5   | 0.18   | 5     | 5.6   | 5.9   |
| STD DS8             | Standard                         | 15    | 129   | 0.70   | 310   | 0.129  | <1    | 1.06  | 0.100  | 0.46  | 3.4   | 0.22  | 2.2   | 5.8   | 0.18   | 5     | 5.6   | 5.6   |
| STD DS8             | Standard                         | 15    | 122   | 0.63   | 284   | 0.128  | 3     | 0.99  | 0.102  | 0.43  | 2.9   | 0.20  | 2.2   | 5.7   | 0.17   | 5     | 6.1   | 5.4   |
| STD DS8             | Standard                         | 14    | 118   | 0.60   | 270   | 0.116  | 2     | 0.91  | 0.081  | 0.41  | 3.0   | 0.20  | 2.0   | 5.7   | 0.15   | 5     | 5.7   | 5.3   |
| STD DS8             | Standard                         | 15    | 110   | 0.60   | 268   | 0.110  | 3     | 0.82  | 0.082  | 0.41  | 2.8   | 0.17  | 1.8   | 5.0   | 0.11   | 4     | 4.4   | 4.9   |
| STD DS8             | Standard                         | 14    | 106   | 0.57   | 265   | 0.110  | 2     | 0.92  | 0.079  | 0.39  | 2.7   | 0.21  | 1.8   | 4.9   | 0.11   | 4     | 5.0   | 4.8   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: July 04, 2011

Report Date: July 16, 2011

Page: 1 of 11

## CERTIFICATE OF ANALYSIS

WHI11000450.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-07  
P.O. Number  
Number of Samples: 280

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 280               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 280               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 280               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 280               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: July 16, 2011

Page: 2 of 11 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0233 | Soil                             | 0.7   | 27.1  | 2.9   | 126   | <0.1  | 9.8   | 19.8  | 740   | 4.88  | 1.0   | 0.6   | 0.9   | 4.1   | 15    | <0.1  | <0.1  | <0.1  | 100   | 0.38  | 0.084 |
| 11DS0234 | Soil                             | 0.8   | 27.4  | 6.1   | 86    | 0.2   | 14.7  | 11.2  | 475   | 3.44  | 4.2   | 0.9   | 5.6   | 3.1   | 32    | 0.2   | 0.2   | 0.1   | 75    | 0.65  | 0.087 |
| 11DS0235 | Soil                             | 1.1   | 47.4  | 7.8   | 99    | <0.1  | 16.1  | 17.6  | 698   | 4.13  | 3.2   | 0.4   | 7.0   | 1.0   | 29    | 0.1   | 0.2   | <0.1  | 98    | 0.62  | 0.132 |
| 11DS0236 | Soil                             | 0.7   | 34.5  | 4.5   | 100   | <0.1  | 29.9  | 25.0  | 554   | 4.72  | 12.4  | 0.8   | 2.1   | 2.0   | 41    | <0.1  | <0.1  | <0.1  | 91    | 0.84  | 0.088 |
| 11DS0237 | Soil                             | 0.9   | 28.8  | 6.5   | 101   | 0.1   | 12.4  | 12.9  | 588   | 4.03  | 4.8   | 0.9   | 1.7   | 4.5   | 37    | <0.1  | 0.2   | <0.1  | 66    | 0.63  | 0.078 |
| 11DS0238 | Soil                             | 0.8   | 19.1  | 7.9   | 76    | 0.1   | 18.8  | 13.0  | 694   | 2.59  | 4.1   | 0.8   | 1.4   | 1.8   | 47    | 0.2   | 0.3   | <0.1  | 58    | 0.88  | 0.082 |
| 11DS0239 | Soil                             | 0.3   | 12.3  | 6.0   | 83    | <0.1  | 8.3   | 10.2  | 375   | 2.38  | 1.3   | 0.4   | <0.5  | 1.2   | 34    | <0.1  | 0.1   | <0.1  | 38    | 0.47  | 0.060 |
| 11DS0240 | Soil                             | 0.7   | 19.0  | 5.5   | 87    | <0.1  | 18.7  | 13.1  | 540   | 3.29  | 3.1   | 0.5   | 1.9   | 2.9   | 30    | 0.1   | 0.2   | <0.1  | 63    | 0.60  | 0.101 |
| 11DS0241 | Soil                             | 0.7   | 20.8  | 6.5   | 93    | <0.1  | 18.8  | 14.2  | 590   | 3.46  | 3.1   | 0.5   | 2.6   | 2.9   | 32    | 0.2   | 0.2   | <0.1  | 65    | 0.63  | 0.111 |
| 11DS0242 | Soil                             | 0.6   | 11.9  | 8.1   | 109   | <0.1  | 10.0  | 11.6  | 692   | 4.07  | 1.0   | 0.4   | 0.9   | 2.0   | 21    | <0.1  | 0.1   | <0.1  | 42    | 0.56  | 0.089 |
| 11DS0243 | Soil                             | 0.7   | 16.3  | 7.1   | 88    | <0.1  | 12.9  | 10.4  | 411   | 2.78  | 3.3   | 0.6   | 2.0   | 2.6   | 36    | 0.2   | 0.2   | <0.1  | 50    | 0.53  | 0.087 |
| 11DS0244 | Soil                             | 1.0   | 20.2  | 7.9   | 82    | 0.1   | 24.6  | 14.5  | 564   | 3.18  | 4.8   | 0.9   | 1.9   | 3.1   | 36    | 0.2   | 0.3   | 0.1   | 68    | 0.65  | 0.100 |
| 11DS0245 | Soil                             | 0.9   | 24.8  | 7.9   | 72    | 0.2   | 17.3  | 11.8  | 486   | 3.28  | 4.6   | 0.9   | 2.9   | 3.2   | 28    | <0.1  | 0.2   | <0.1  | 70    | 0.61  | 0.090 |
| 11DS0246 | Soil                             | 0.6   | 22.8  | 4.9   | 90    | <0.1  | 8.9   | 12.8  | 536   | 3.56  | 1.9   | 0.7   | 1.1   | 3.9   | 45    | 0.1   | 0.1   | <0.1  | 65    | 0.69  | 0.054 |
| 11DS0247 | Soil                             | 0.4   | 31.6  | 5.0   | 103   | <0.1  | 15.6  | 16.0  | 510   | 4.37  | 4.1   | 0.6   | 1.7   | 1.7   | 34    | 0.1   | 0.1   | <0.1  | 89    | 1.11  | 0.171 |
| 11DS0248 | Soil                             | 0.6   | 22.0  | 5.9   | 105   | <0.1  | 9.9   | 12.6  | 455   | 4.46  | 3.3   | 0.6   | 0.8   | 2.9   | 35    | <0.1  | 0.2   | <0.1  | 72    | 0.63  | 0.113 |
| 11DS0249 | Soil                             | 0.9   | 16.0  | 5.8   | 70    | <0.1  | 11.2  | 11.6  | 502   | 3.26  | 3.2   | 0.5   | 0.6   | 3.2   | 15    | <0.1  | 0.2   | <0.1  | 54    | 0.38  | 0.074 |
| 11DS0250 | Soil                             | 1.1   | 12.7  | 7.1   | 47    | 0.1   | 10.0  | 4.8   | 218   | 2.26  | 3.6   | 0.4   | <0.5  | 2.7   | 17    | 0.2   | 0.3   | <0.1  | 51    | 0.32  | 0.022 |
| 11DS0251 | Soil                             | 1.1   | 30.8  | 8.8   | 76    | <0.1  | 27.0  | 19.2  | 1119  | 4.35  | 4.0   | 0.4   | 31.6  | 1.5   | 20    | 0.3   | 0.2   | <0.1  | 100   | 0.48  | 0.064 |
| 11DS0252 | Soil                             | 0.5   | 40.6  | 4.4   | 89    | <0.1  | 10.7  | 14.8  | 592   | 3.63  | 1.8   | 0.4   | 1.1   | 2.5   | 9     | <0.1  | <0.1  | <0.1  | 71    | 0.43  | 0.126 |
| 11DS0253 | Soil                             | 0.4   | 32.0  | 4.8   | 73    | <0.1  | 23.1  | 14.1  | 422   | 3.61  | 2.3   | 0.3   | <0.5  | 1.6   | 16    | 0.2   | 0.1   | <0.1  | 81    | 0.47  | 0.098 |
| 11DS0254 | Soil                             | 0.8   | 30.0  | 9.6   | 96    | <0.1  | 8.9   | 9.6   | 709   | 4.48  | 1.6   | 0.8   | 0.7   | 5.0   | 14    | 0.1   | 0.1   | <0.1  | 67    | 0.48  | 0.084 |
| 11DS0255 | Soil                             | 0.4   | 37.5  | 8.8   | 73    | <0.1  | 14.6  | 11.6  | 401   | 3.21  | 3.9   | 0.7   | 1.6   | 4.1   | 13    | 0.2   | 0.2   | <0.1  | 68    | 0.40  | 0.061 |
| 11TB0237 | Soil                             | 1.1   | 15.7  | 7.2   | 66    | <0.1  | 17.2  | 10.5  | 419   | 3.33  | 4.8   | 0.6   | 1.0   | 3.2   | 19    | <0.1  | 0.2   | <0.1  | 63    | 0.42  | 0.061 |
| 11TB0238 | Soil                             | 0.9   | 19.6  | 8.1   | 76    | 0.1   | 18.7  | 11.1  | 563   | 2.98  | 5.3   | 0.8   | 1.7   | 3.0   | 27    | 0.2   | 0.3   | 0.1   | 65    | 0.46  | 0.068 |
| 11TB0239 | Soil                             | 1.1   | 22.6  | 9.2   | 75    | 0.2   | 19.9  | 12.8  | 858   | 2.55  | 3.8   | 0.8   | 1.9   | 1.6   | 38    | 0.2   | 0.2   | 0.1   | 57    | 0.89  | 0.073 |
| 11TB0240 | Soil                             | 1.1   | 22.0  | 9.3   | 69    | <0.1  | 23.0  | 11.6  | 480   | 3.14  | 5.5   | 0.4   | 3.4   | 2.4   | 25    | 0.1   | 0.3   | <0.1  | 65    | 0.55  | 0.041 |
| 11TB0241 | Soil                             | 0.9   | 21.0  | 9.4   | 65    | <0.1  | 20.9  | 11.8  | 450   | 3.20  | 5.6   | 0.5   | 3.4   | 2.5   | 24    | 0.1   | 0.3   | <0.1  | 70    | 0.48  | 0.036 |
| 11TB0242 | Soil                             | 0.7   | 26.0  | 7.9   | 82    | <0.1  | 18.8  | 12.8  | 468   | 3.83  | 4.2   | 0.7   | 2.6   | 2.5   | 22    | 0.1   | 0.2   | <0.1  | 79    | 0.53  | 0.070 |
| 11TB0243 | Soil                             | 1.0   | 31.2  | 7.6   | 86    | <0.1  | 20.9  | 14.8  | 744   | 3.81  | 4.0   | 0.7   | 0.8   | 2.8   | 33    | 0.1   | 0.2   | <0.1  | 73    | 0.79  | 0.093 |





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**Project:** Mariposa  
**Report Date:** July 16, 2011

**Page:** 2 of 11 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0233 | Soil                             | 16    | 21    | 1.70  | 419   | 0.142 | <1    | 2.55  | 0.013 | 0.61  | <0.1  | <0.01 | 10.8  | 0.2   | <0.05 | 11    | <0.5  | <0.2  |
| 11DS0234 | Soil                             | 19    | 27    | 0.93  | 294   | 0.133 | <1    | 2.02  | 0.020 | 0.19  | 0.1   | 0.04  | 6.3   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0235 | Soil                             | 5     | 29    | 1.10  | 225   | 0.129 | <1    | 2.39  | 0.020 | 0.17  | <0.1  | 0.01  | 4.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0236 | Soil                             | 11    | 54    | 1.31  | 214   | 0.189 | <1    | 2.60  | 0.013 | 0.12  | <0.1  | 0.01  | 4.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0237 | Soil                             | 15    | 24    | 0.96  | 239   | 0.139 | <1    | 2.19  | 0.016 | 0.33  | <0.1  | 0.02  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0238 | Soil                             | 14    | 28    | 0.72  | 423   | 0.067 | 1     | 1.72  | 0.020 | 0.06  | 0.1   | 0.05  | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0239 | Soil                             | 5     | 16    | 0.89  | 314   | 0.050 | <1    | 1.60  | 0.010 | 0.22  | <0.1  | <0.01 | 2.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0240 | Soil                             | 11    | 28    | 0.90  | 289   | 0.086 | <1    | 1.69  | 0.015 | 0.10  | 0.1   | 0.02  | 5.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0241 | Soil                             | 11    | 29    | 0.95  | 295   | 0.087 | <1    | 1.78  | 0.015 | 0.11  | 0.1   | 0.02  | 5.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0242 | Soil                             | 9     | 8     | 1.05  | 458   | 0.077 | <1    | 1.94  | 0.009 | 0.26  | <0.1  | <0.01 | 3.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0243 | Soil                             | 10    | 23    | 0.76  | 315   | 0.069 | 1     | 1.78  | 0.014 | 0.10  | <0.1  | 0.02  | 3.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0244 | Soil                             | 16    | 36    | 0.85  | 378   | 0.084 | 2     | 1.81  | 0.019 | 0.07  | 0.1   | 0.04  | 5.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0245 | Soil                             | 22    | 33    | 0.88  | 195   | 0.108 | <1    | 1.98  | 0.024 | 0.10  | <0.1  | 0.04  | 6.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0246 | Soil                             | 12    | 14    | 0.88  | 242   | 0.112 | <1    | 1.96  | 0.014 | 0.12  | <0.1  | <0.01 | 3.6   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11DS0247 | Soil                             | 7     | 22    | 1.35  | 241   | 0.188 | <1    | 2.58  | 0.060 | 0.29  | <0.1  | 0.02  | 6.3   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0248 | Soil                             | 11    | 19    | 0.95  | 949   | 0.093 | <1    | 1.80  | 0.021 | 0.08  | <0.1  | <0.01 | 8.0   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0249 | Soil                             | 8     | 20    | 0.75  | 168   | 0.063 | <1    | 1.40  | 0.011 | 0.07  | <0.1  | <0.01 | 4.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0250 | Soil                             | 11    | 19    | 0.32  | 136   | 0.043 | <1    | 0.86  | 0.008 | 0.10  | <0.1  | <0.01 | 2.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0251 | Soil                             | 6     | 59    | 1.15  | 205   | 0.100 | <1    | 1.95  | 0.019 | 0.09  | <0.1  | 0.01  | 7.1   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0252 | Soil                             | 9     | 20    | 0.79  | 110   | 0.086 | <1    | 1.41  | 0.018 | 0.14  | <0.1  | <0.01 | 5.0   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0253 | Soil                             | 9     | 51    | 1.25  | 193   | 0.201 | <1    | 2.01  | 0.016 | 0.31  | <0.1  | 0.01  | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0254 | Soil                             | 17    | 16    | 0.82  | 217   | 0.146 | <1    | 1.79  | 0.012 | 0.52  | <0.1  | <0.01 | 7.1   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0255 | Soil                             | 19    | 25    | 0.77  | 233   | 0.116 | 2     | 1.58  | 0.016 | 0.16  | <0.1  | 0.02  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0237 | Soil                             | 11    | 29    | 0.72  | 273   | 0.075 | 1     | 1.68  | 0.012 | 0.05  | 0.1   | 0.03  | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0238 | Soil                             | 12    | 30    | 0.73  | 372   | 0.072 | <1    | 1.80  | 0.014 | 0.05  | 0.1   | 0.03  | 4.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0239 | Soil                             | 14    | 31    | 0.65  | 400   | 0.043 | <1    | 1.72  | 0.015 | 0.05  | <0.1  | 0.06  | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0240 | Soil                             | 9     | 43    | 0.79  | 173   | 0.100 | <1    | 1.70  | 0.020 | 0.08  | 0.1   | 0.01  | 3.7   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11TB0241 | Soil                             | 9     | 41    | 0.82  | 177   | 0.105 | <1    | 1.78  | 0.019 | 0.08  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11TB0242 | Soil                             | 11    | 33    | 1.01  | 207   | 0.115 | <1    | 1.99  | 0.016 | 0.12  | <0.1  | <0.01 | 5.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0243 | Soil                             | 13    | 37    | 0.97  | 262   | 0.091 | 1     | 1.99  | 0.021 | 0.11  | <0.1  | 0.02  | 5.3   | <0.1  | <0.05 | 7     | 0.9   | <0.2  |



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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11TB0244 | Soil                             | 0.7        | 17.5       | 8.2        | 126      | <0.1       | 16.1       | 11.0       | 737      | 4.74      | 3.1        | 0.7        | 2.7        | 3.6        | 25       | 0.1        | 0.2        | <0.1       | 56       | 0.71      |
| 11TB0245 | Soil                             | 0.9        | 33.5       | 8.9        | 120      | <0.1       | 16.8       | 14.8       | 631      | 4.78      | 2.3        | 0.7        | 0.8        | 3.3        | 19       | 0.2        | 0.2        | <0.1       | 90       | 0.59      |
| 11TB0246 | Soil                             | 1.0        | 21.9       | 9.6        | 94       | 0.1        | 15.8       | 12.1       | 841      | 3.73      | 4.6        | 0.5        | 606.2      | 3.2        | 20       | 0.2        | 0.3        | 0.1        | 68       | 0.52      |
| 11TB0247 | Soil                             | 1.1        | 19.7       | 9.8        | 54       | 0.2        | 19.1       | 11.3       | 648      | 2.84      | 6.2        | 0.7        | 13.5       | 2.9        | 23       | 0.2        | 0.3        | 0.1        | 65       | 0.42      |
| 11TB0248 | Soil                             | 0.8        | 21.9       | 9.0        | 65       | <0.1       | 25.3       | 12.7       | 562      | 3.17      | 5.1        | 0.8        | 2.2        | 4.6        | 20       | 0.2        | 0.2        | <0.1       | 67       | 0.38      |
| 11TB0249 | Soil                             | 1.1        | 17.3       | 7.2        | 73       | 0.1        | 15.2       | 9.8        | 531      | 3.39      | 3.7        | 0.7        | <0.5       | 4.2        | 18       | 0.1        | 0.2        | <0.1       | 59       | 0.34      |
| 11TB0250 | Soil                             | 1.5        | 15.9       | 8.9        | 56       | <0.1       | 15.2       | 7.6        | 319      | 3.37      | 5.8        | 0.6        | 1.8        | 4.3        | 14       | 0.2        | 0.2        | 0.1        | 59       | 0.22      |
| 11TB0251 | Soil                             | 0.9        | 12.4       | 10.6       | 42       | 0.2        | 11.4       | 6.7        | 378      | 2.08      | 3.7        | 0.7        | 3.1        | 2.8        | 19       | 0.2        | 0.2        | 0.1        | 46       | 0.41      |
| 11TB0252 | Soil                             | 0.9        | 19.0       | 6.0        | 89       | 0.2        | 12.0       | 9.5        | 582      | 4.01      | 1.7        | 1.1        | 4.0        | 6.0        | 23       | 0.2        | 0.2        | <0.1       | 62       | 0.64      |
| 11TB0253 | Soil                             | 1.0        | 31.6       | 4.7        | 40       | 0.6        | 16.0       | 5.0        | 594      | 1.26      | 2.0        | 1.9        | 2.9        | 0.8        | 100      | 0.4        | 0.5        | <0.1       | 21       | 2.59      |
| 11NG0236 | Soil                             | 0.8        | 34.9       | 8.0        | 61       | 0.1        | 24.3       | 12.7       | 294      | 2.83      | 6.9        | 0.7        | 2.3        | 2.6        | 19       | 0.1        | 0.3        | 0.1        | 68       | 0.31      |
| 11NG0237 | Soil                             | 1.2        | 31.6       | 10.3       | 65       | 0.2        | 30.2       | 14.3       | 341      | 3.73      | 11.1       | 0.4        | 5.6        | 3.5        | 15       | 0.1        | 0.4        | 0.1        | 90       | 0.18      |
| 11NG0238 | Soil                             | 1.0        | 36.2       | 12.2       | 52       | 0.1        | 29.9       | 14.4       | 289      | 3.74      | 11.2       | 0.7        | 6.2        | 3.6        | 19       | 0.2        | 0.4        | 0.1        | 75       | 0.23      |
| 11NG0239 | Soil                             | 1.6        | 40.7       | 12.4       | 71       | 0.2        | 25.4       | 18.8       | 466      | 4.72      | 6.3        | 0.5        | 12.1       | 2.3        | 20       | 0.3        | 0.2        | 0.1        | 109      | 0.34      |
| 11NG0240 | Soil                             | 1.2        | 45.7       | 10.8       | 57       | 0.2        | 29.2       | 12.2       | 335      | 3.48      | 9.3        | 1.1        | 5.3        | 4.1        | 21       | <0.1       | 0.3        | 0.2        | 74       | 0.32      |
| 11NG0241 | Soil                             | 1.3        | 45.5       | 9.7        | 61       | 0.1        | 30.7       | 13.2       | 368      | 3.55      | 8.8        | 0.9        | 5.4        | 4.0        | 23       | <0.1       | 0.3        | 0.1        | 77       | 0.34      |
| 11NG0242 | Soil                             | 1.1        | 43.6       | 8.7        | 62       | 0.1        | 40.5       | 19.1       | 349      | 4.49      | 5.8        | 0.4        | 16.5       | 2.4        | 22       | <0.1       | 0.2        | 0.1        | 94       | 0.32      |
| 11NG0243 | Soil                             | 2.4        | 57.6       | 11.7       | 78       | <0.1       | 79.4       | 18.1       | 491      | 4.26      | 4.3        | 1.3        | 52.4       | 9.4        | 59       | <0.1       | 0.5        | 0.2        | 82       | 0.69      |
| 11NG0244 | Soil                             | 1.6        | 14.0       | 7.6        | 91       | <0.1       | 16.5       | 16.1       | 732      | 4.92      | 3.3        | 0.8        | 6.4        | 4.2        | 22       | 0.2        | 0.3        | 0.2        | 93       | 0.51      |
| 11NG0245 | Soil                             | 1.2        | 11.1       | 5.3        | 62       | <0.1       | 16.2       | 8.5        | 384      | 2.54      | 3.5        | 1.1        | 1.2        | 5.6        | 13       | <0.1       | 0.1        | <0.1       | 34       | 0.20      |
| 11NG0246 | Soil                             | 1.5        | 11.3       | 8.3        | 55       | 0.2        | 12.8       | 6.1        | 426      | 2.01      | 3.4        | 0.6        | 2.6        | 3.3        | 22       | <0.1       | 0.2        | 0.1        | 51       | 0.48      |
| 11NG0247 | Soil                             | 0.9        | 55.6       | 8.7        | 138      | 0.4        | 29.1       | 23.8       | 655      | 5.28      | 2.2        | 1.2        | 12.2       | 3.5        | 27       | <0.1       | 0.2        | 0.2        | 109      | 0.88      |
| 11NG0248 | Soil                             | 0.9        | 42.0       | 7.0        | 81       | 0.1        | 27.3       | 16.4       | 630      | 3.86      | 3.3        | 0.8        | 3.4        | 2.8        | 32       | 0.1        | 0.2        | 0.1        | 88       | 0.77      |
| 11NG0249 | Soil                             | 1.5        | 23.0       | 9.4        | 71       | 0.4        | 26.8       | 8.4        | 470      | 2.59      | 3.5        | 0.7        | 1.4        | 2.3        | 34       | 0.2        | 0.2        | 0.2        | 57       | 0.69      |
| 11NG0250 | Soil                             | 1.0        | 16.3       | 7.3        | 101      | 0.3        | 14.0       | 12.3       | 1117     | 3.51      | 3.3        | 0.9        | 2.2        | 4.5        | 26       | <0.1       | 0.2        | 0.2        | 71       | 0.54      |
| 11NG0251 | Soil                             | 0.7        | 16.6       | 6.8        | 91       | <0.1       | 11.7       | 11.8       | 803      | 3.97      | 3.6        | 0.4        | 0.6        | 3.6        | 14       | <0.1       | 0.1        | <0.1       | 71       | 0.32      |
| 11NG0252 | Soil                             | 1.3        | 25.0       | 8.8        | 62       | 0.5        | 18.6       | 11.2       | 836      | 2.91      | 5.3        | 1.4        | 4.0        | 3.5        | 25       | <0.1       | 0.3        | 0.2        | 64       | 0.38      |
| 11NG0253 | Soil                             | 1.4        | 14.9       | 9.0        | 71       | 0.2        | 13.1       | 8.3        | 548      | 2.85      | 5.5        | 0.7        | <0.5       | 3.6        | 26       | <0.1       | 0.3        | 0.2        | 65       | 0.43      |
| 11NG0254 | Soil                             | 1.0        | 14.3       | 5.8        | 84       | <0.1       | 11.3       | 9.0        | 571      | 3.60      | 3.7        | 0.4        | 1.1        | 4.3        | 14       | <0.1       | 0.2        | 0.1        | 53       | 0.22      |
| 11NG0255 | Soil                             | 1.3        | 14.9       | 9.0        | 79       | 0.2        | 14.3       | 7.3        | 715      | 2.69      | 7.7        | 0.5        | 1.9        | 3.3        | 26       | 0.2        | 0.4        | 0.2        | 57       | 0.42      |



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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0244 | Soil                             | 16    | 24    | 1.03  | 300   | 0.098 | 1     | 2.08  | 0.016 | 0.24  | <0.1  | 0.02  | 6.9   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11TB0245 | Soil                             | 14    | 29    | 1.25  | 310   | 0.121 | <1    | 2.19  | 0.016 | 0.17  | <0.1  | <0.01 | 8.9   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0246 | Soil                             | 10    | 27    | 0.87  | 263   | 0.131 | <1    | 1.90  | 0.014 | 0.25  | <0.1  | 0.02  | 5.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0247 | Soil                             | 15    | 37    | 0.63  | 230   | 0.076 | <1    | 1.71  | 0.014 | 0.06  | <0.1  | 0.03  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0248 | Soil                             | 21    | 52    | 0.90  | 210   | 0.119 | <1    | 1.79  | 0.015 | 0.11  | 0.1   | 0.04  | 4.6   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11TB0249 | Soil                             | 21    | 28    | 0.74  | 236   | 0.079 | <1    | 1.68  | 0.011 | 0.13  | <0.1  | 0.03  | 4.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0250 | Soil                             | 13    | 27    | 0.54  | 169   | 0.065 | <1    | 1.72  | 0.009 | 0.10  | 0.1   | 0.03  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0251 | Soil                             | 14    | 21    | 0.45  | 190   | 0.081 | <1    | 1.28  | 0.011 | 0.15  | 0.1   | 0.02  | 2.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0252 | Soil                             | 24    | 20    | 0.80  | 441   | 0.169 | <1    | 2.00  | 0.011 | 0.55  | <0.1  | 0.03  | 6.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0253 | Soil                             | 53    | 15    | 0.51  | 638   | 0.030 | 1     | 1.06  | 0.018 | 0.08  | <0.1  | 0.13  | 3.2   | <0.1  | 0.22  | 3     | 1.2   | <0.2  |
| 11NG0236 | Soil                             | 14    | 33    | 0.72  | 200   | 0.085 | <1    | 1.92  | 0.011 | 0.08  | <0.1  | 0.03  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0237 | Soil                             | 8     | 42    | 0.79  | 208   | 0.098 | <1    | 2.73  | 0.009 | 0.08  | 0.1   | 0.03  | 3.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0238 | Soil                             | 10    | 40    | 0.72  | 208   | 0.080 | <1    | 2.48  | 0.013 | 0.05  | 0.1   | 0.04  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0239 | Soil                             | 9     | 44    | 1.09  | 175   | 0.125 | <1    | 2.78  | 0.013 | 0.08  | 0.1   | 0.03  | 4.9   | <0.1  | <0.05 | 9     | 0.6   | <0.2  |
| 11NG0240 | Soil                             | 14    | 48    | 0.72  | 328   | 0.082 | 1     | 2.33  | 0.014 | 0.06  | 0.1   | 0.04  | 5.7   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11NG0241 | Soil                             | 14    | 52    | 0.83  | 334   | 0.091 | <1    | 2.27  | 0.016 | 0.06  | 0.1   | 0.03  | 6.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0242 | Soil                             | 8     | 70    | 1.22  | 210   | 0.100 | <1    | 3.28  | 0.014 | 0.06  | 0.1   | 0.02  | 5.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0243 | Soil                             | 46    | 113   | 1.07  | 642   | 0.047 | <1    | 2.02  | 0.016 | 0.07  | <0.1  | 0.03  | 9.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0244 | Soil                             | 13    | 28    | 1.01  | 396   | 0.045 | <1    | 2.11  | 0.012 | 0.07  | <0.1  | 0.02  | 11.8  | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0245 | Soil                             | 14    | 21    | 0.45  | 333   | 0.029 | <1    | 1.38  | 0.009 | 0.09  | <0.1  | <0.01 | 3.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0246 | Soil                             | 13    | 25    | 0.40  | 297   | 0.055 | <1    | 1.24  | 0.012 | 0.08  | <0.1  | 0.01  | 2.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0247 | Soil                             | 11    | 50    | 1.68  | 500   | 0.091 | <1    | 2.67  | 0.017 | 0.42  | <0.1  | <0.01 | 13.9  | 0.3   | <0.05 | 10    | <0.5  | 0.4   |
| 11NG0248 | Soil                             | 11    | 52    | 1.39  | 539   | 0.097 | <1    | 2.39  | 0.015 | 0.14  | <0.1  | 0.04  | 6.7   | 0.2   | <0.05 | 8     | 2.5   | <0.2  |
| 11NG0249 | Soil                             | 15    | 38    | 0.63  | 649   | 0.055 | 2     | 1.45  | 0.012 | 0.11  | <0.1  | 0.02  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0250 | Soil                             | 16    | 26    | 0.77  | 607   | 0.115 | 1     | 1.70  | 0.012 | 0.50  | 0.1   | 0.01  | 6.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0251 | Soil                             | 8     | 21    | 1.00  | 350   | 0.209 | <1    | 1.94  | 0.008 | 0.82  | 0.1   | <0.01 | 4.8   | 0.3   | <0.05 | 9     | 0.6   | <0.2  |
| 11NG0252 | Soil                             | 19    | 31    | 0.67  | 506   | 0.077 | <1    | 1.83  | 0.011 | 0.13  | 0.1   | 0.02  | 5.8   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11NG0253 | Soil                             | 12    | 27    | 0.64  | 292   | 0.115 | 1     | 1.62  | 0.011 | 0.17  | 0.2   | <0.01 | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0254 | Soil                             | 12    | 20    | 0.75  | 195   | 0.091 | 1     | 1.96  | 0.009 | 0.36  | 0.1   | <0.01 | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0255 | Soil                             | 11    | 25    | 0.49  | 251   | 0.068 | 1     | 1.50  | 0.011 | 0.14  | <0.1  | 0.01  | 2.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11NG0256 | Soil                             | 1.4        | 20.6       | 7.2        | 85       | 0.1        | 11.8       | 10.7       | 715      | 3.39      | 3.3        | 0.8        | 2.1        | 4.5        | 24       | 0.1        | 0.2        | 0.1        | 62       | 0.52      | 0.055      |
| 11NG0257 | Soil                             | 1.1        | 19.6       | 7.3        | 68       | 0.7        | 12.9       | 9.3        | 706      | 2.90      | 3.2        | 1.1        | 3.6        | 2.7        | 31       | 0.2        | 0.3        | 0.1        | 57       | 0.55      | 0.046      |
| 11NG0258 | Soil                             | 0.9        | 13.7       | 4.1        | 89       | 0.1        | 9.0        | 7.1        | 652      | 3.36      | 2.7        | 0.8        | 3.6        | 5.3        | 17       | <0.1       | 0.2        | <0.1       | 50       | 0.39      | 0.067      |
| 11CB0232 | Soil                             | 1.1        | 33.9       | 11.6       | 78       | 0.2        | 29.7       | 13.9       | 367      | 3.29      | 5.3        | 0.8        | 4.1        | 2.7        | 28       | 0.2        | 0.3        | 0.2        | 81       | 0.44      | 0.057      |
| 11CB0233 | Soil                             | 1.5        | 46.7       | 11.7       | 78       | 0.2        | 87.9       | 20.9       | 547      | 3.56      | 4.9        | 1.0        | 23.4       | 6.0        | 92       | <0.1       | 0.3        | 0.2        | 84       | 1.06      | 0.198      |
| 11CB0234 | Soil                             | 1.0        | 50.8       | 11.2       | 70       | 0.1        | 27.3       | 15.1       | 391      | 3.28      | 6.0        | 0.6        | 74.9       | 2.4        | 25       | <0.1       | 0.3        | 0.1        | 70       | 0.56      | 0.059      |
| 11CB0235 | Soil                             | 0.9        | 36.4       | 8.8        | 60       | <0.1       | 24.4       | 12.9       | 367      | 2.88      | 6.2        | 0.5        | 14.5       | 1.8        | 20       | 0.1        | 0.3        | 0.1        | 63       | 0.25      | 0.046      |
| 11CB0236 | Soil                             | 0.9        | 23.4       | 9.4        | 53       | 0.1        | 21.7       | 9.9        | 284      | 3.04      | 8.0        | 0.4        | 12.8       | 1.6        | 16       | <0.1       | 0.4        | 0.2        | 72       | 0.18      | 0.034      |
| 11CB0237 | Soil                             | 0.8        | 32.8       | 8.6        | 59       | 0.1        | 24.8       | 11.2       | 308      | 3.00      | 8.9        | 0.5        | 6.0        | 2.4        | 17       | 0.1        | 0.4        | 0.2        | 67       | 0.20      | 0.041      |
| 11CB0238 | Soil                             | 0.9        | 41.4       | 8.3        | 52       | 0.1        | 24.5       | 10.5       | 331      | 2.64      | 7.6        | 0.7        | 6.7        | 2.1        | 23       | 0.1        | 0.4        | 0.2        | 66       | 0.27      | 0.040      |
| 11CB0239 | Soil                             | 0.7        | 29.0       | 7.7        | 71       | <0.1       | 35.0       | 18.4       | 424      | 3.86      | 6.3        | 0.4        | 8.4        | 2.1        | 22       | <0.1       | 0.4        | 0.1        | 72       | 0.34      | 0.043      |
| 11CB0240 | Soil                             | 0.6        | 34.8       | 7.7        | 54       | <0.1       | 25.5       | 12.4       | 283      | 3.24      | 7.8        | 0.5        | 5.1        | 2.2        | 26       | 0.1        | 0.4        | 0.2        | 75       | 0.28      | 0.053      |
| 11CB0241 | Soil                             | 0.8        | 37.2       | 7.6        | 56       | <0.1       | 24.9       | 11.9       | 277      | 3.07      | 7.4        | 0.6        | 4.4        | 1.8        | 26       | <0.1       | 0.3        | 0.1        | 74       | 0.29      | 0.055      |
| 11CB0242 | Soil                             | 1.1        | 35.0       | 11.2       | 41       | 0.2        | 24.1       | 10.6       | 196      | 3.54      | 7.6        | 0.5        | 2.8        | 2.4        | 15       | <0.1       | 0.4        | 0.2        | 86       | 0.15      | 0.031      |
| 11CB0243 | Soil                             | 0.9        | 26.3       | 9.7        | 53       | 0.1        | 23.1       | 11.4       | 290      | 3.19      | 9.0        | 0.5        | 6.8        | 2.2        | 20       | <0.1       | 0.5        | 0.2        | 75       | 0.23      | 0.028      |
| 11CB0244 | Soil                             | 1.4        | 34.9       | 10.1       | 53       | 0.2        | 35.4       | 12.1       | 303      | 3.52      | 6.9        | 0.5        | 17.3       | 2.4        | 20       | 0.1        | 0.5        | 0.2        | 83       | 0.24      | 0.025      |
| 11CB0245 | Soil                             | 1.8        | 34.5       | 19.0       | 52       | 0.2        | 42.6       | 11.8       | 289      | 3.32      | 9.6        | 1.4        | 8.2        | 8.1        | 27       | <0.1       | 0.6        | 0.3        | 75       | 0.24      | 0.038      |
| 11CB0246 | Soil                             | 0.9        | 35.1       | 7.9        | 58       | 0.1        | 25.1       | 13.0       | 356      | 3.04      | 6.5        | 0.4        | 2.3        | 2.2        | 29       | <0.1       | 0.3        | 0.1        | 76       | 0.34      | 0.039      |
| 11CB0247 | Soil                             | 1.3        | 17.4       | 8.9        | 63       | 0.1        | 19.1       | 9.4        | 361      | 3.12      | 8.2        | 0.5        | 5.9        | 2.9        | 17       | <0.1       | 0.3        | 0.2        | 74       | 0.24      | 0.020      |
| 11CB0248 | Soil                             | 0.8        | 8.8        | 7.0        | 57       | <0.1       | 9.9        | 6.1        | 356      | 2.30      | 3.9        | 0.6        | 1.4        | 3.4        | 15       | <0.1       | 0.2        | 0.1        | 44       | 0.28      | 0.021      |
| 11CB0249 | Soil                             | 1.2        | 13.6       | 7.0        | 61       | 0.1        | 17.6       | 9.2        | 1104     | 2.61      | 4.1        | 1.0        | 5.5        | 3.7        | 21       | <0.1       | 0.3        | 0.1        | 39       | 0.45      | 0.030      |
| 11CB0250 | Soil                             | 1.2        | 13.5       | 10.2       | 60       | 0.2        | 14.7       | 9.8        | 1089     | 2.80      | 4.4        | 0.7        | 14.7       | 3.4        | 20       | 0.1        | 0.2        | 0.2        | 52       | 0.28      | 0.029      |
| 11CB0251 | Soil                             | 1.1        | 16.8       | 9.3        | 48       | 0.1        | 16.3       | 8.5        | 245      | 2.82      | 6.5        | 0.5        | 1.7        | 3.0        | 16       | <0.1       | 0.3        | 0.2        | 69       | 0.17      | 0.028      |
| 11CB0252 | Soil                             | 0.7        | 24.9       | 8.8        | 60       | 0.2        | 33.2       | 12.5       | 381      | 3.28      | 5.1        | 0.5        | 4.7        | 2.9        | 19       | <0.1       | 0.3        | 0.1        | 82       | 0.33      | 0.040      |
| 11CB0253 | Soil                             | 0.7        | 25.5       | 7.1        | 64       | 0.2        | 36.1       | 14.3       | 425      | 3.36      | 4.6        | 0.5        | 1.7        | 2.7        | 20       | <0.1       | 0.2        | <0.1       | 86       | 0.35      | 0.057      |
| 11NG0259 | Soil                             | 1.0        | 64.3       | 11.4       | 115      | 0.2        | 76.9       | 20.1       | 616      | 3.60      | 4.4        | 0.9        | 9.5        | 4.5        | 75       | 0.2        | 0.2        | 0.2        | 81       | 0.80      | 0.154      |
| 11NG0260 | Soil                             | 1.3        | 69.4       | 15.5       | 75       | 0.2        | 180.5      | 27.9       | 700      | 3.99      | 4.2        | 1.5        | 7.6        | 12.0       | 196      | <0.1       | 0.3        | 0.2        | 97       | 1.38      | 0.336      |
| 11NG0261 | Soil                             | 1.0        | 67.6       | 15.5       | 75       | 0.1        | 187.2      | 28.7       | 678      | 4.00      | 4.2        | 1.6        | 7.3        | 12.5       | 202      | <0.1       | 0.2        | 0.2        | 103      | 1.42      | 0.378      |
| 11NG0262 | Soil                             | 1.2        | 41.1       | 9.6        | 67       | <0.1       | 25.5       | 14.6       | 401      | 3.24      | 5.8        | 0.5        | 11.0       | 2.1        | 29       | <0.1       | 0.4        | 0.1        | 85       | 0.36      | 0.054      |
| 11NG0263 | Soil                             | 0.9        | 36.0       | 9.2        | 60       | 0.1        | 21.7       | 11.6       | 393      | 2.91      | 7.0        | 0.5        | 13.7       | 2.4        | 41       | 0.2        | 0.3        | 0.2        | 83       | 0.37      | 0.062      |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0256 | Soil                             | 16    | 22    | 0.57  | 495   | 0.059 | <1    | 1.69  | 0.011 | 0.29  | <0.1  | <0.01 | 4.7   | 0.1   | <0.05 | 7     | 1.5   | <0.2  |
| 11NG0257 | Soil                             | 16    | 23    | 0.60  | 656   | 0.094 | 2     | 1.59  | 0.013 | 0.17  | 0.1   | 0.03  | 5.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0258 | Soil                             | 23    | 19    | 0.72  | 307   | 0.112 | <1    | 1.63  | 0.009 | 0.53  | 0.1   | 0.01  | 5.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0232 | Soil                             | 11    | 49    | 0.99  | 266   | 0.112 | <1    | 2.29  | 0.011 | 0.05  | 0.1   | <0.01 | 4.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0233 | Soil                             | 28    | 114   | 1.84  | 430   | 0.176 | 2     | 2.65  | 0.015 | 0.06  | 0.2   | 0.02  | 4.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0234 | Soil                             | 10    | 44    | 0.84  | 295   | 0.084 | <1    | 2.23  | 0.013 | 0.07  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0235 | Soil                             | 8     | 43    | 0.81  | 148   | 0.086 | <1    | 2.02  | 0.010 | 0.05  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0236 | Soil                             | 7     | 38    | 0.59  | 140   | 0.083 | 1     | 2.00  | 0.010 | 0.05  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0237 | Soil                             | 9     | 38    | 0.60  | 200   | 0.064 | <1    | 2.35  | 0.011 | 0.05  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0238 | Soil                             | 11    | 40    | 0.67  | 218   | 0.068 | <1    | 2.03  | 0.012 | 0.05  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0239 | Soil                             | 8     | 57    | 1.12  | 183   | 0.145 | <1    | 2.60  | 0.012 | 0.08  | 0.1   | <0.01 | 5.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0240 | Soil                             | 10    | 44    | 0.78  | 205   | 0.075 | <1    | 2.06  | 0.010 | 0.05  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0241 | Soil                             | 10    | 44    | 0.76  | 202   | 0.073 | <1    | 2.03  | 0.012 | 0.05  | 0.1   | 0.03  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0242 | Soil                             | 8     | 47    | 0.59  | 173   | 0.072 | 1     | 2.52  | 0.011 | 0.05  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0243 | Soil                             | 8     | 35    | 0.65  | 221   | 0.069 | <1    | 2.61  | 0.014 | 0.05  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0244 | Soil                             | 9     | 63    | 0.91  | 286   | 0.057 | 1     | 2.52  | 0.013 | 0.05  | <0.1  | 0.02  | 4.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0245 | Soil                             | 23    | 74    | 0.74  | 694   | 0.071 | 2     | 2.67  | 0.012 | 0.04  | 0.2   | 0.05  | 5.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0246 | Soil                             | 8     | 46    | 0.89  | 205   | 0.092 | 2     | 2.21  | 0.016 | 0.05  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0247 | Soil                             | 10    | 32    | 0.59  | 320   | 0.038 | <1    | 1.91  | 0.009 | 0.05  | 0.1   | <0.01 | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0248 | Soil                             | 12    | 18    | 0.51  | 367   | 0.069 | <1    | 1.35  | 0.008 | 0.12  | <0.1  | <0.01 | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0249 | Soil                             | 14    | 23    | 0.49  | 636   | 0.039 | 1     | 1.70  | 0.012 | 0.08  | <0.1  | 0.03  | 4.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0250 | Soil                             | 13    | 25    | 0.49  | 503   | 0.040 | 1     | 1.72  | 0.010 | 0.09  | 0.1   | 0.03  | 3.7   | 0.1   | <0.05 | 6     | 1.2   | <0.2  |
| 11CB0251 | Soil                             | 10    | 33    | 0.57  | 291   | 0.057 | <1    | 1.90  | 0.009 | 0.07  | <0.1  | 0.02  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0252 | Soil                             | 11    | 60    | 1.13  | 368   | 0.099 | 1     | 2.03  | 0.013 | 0.09  | <0.1  | 0.03  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0253 | Soil                             | 11    | 63    | 1.30  | 390   | 0.120 | 1     | 2.18  | 0.013 | 0.12  | <0.1  | <0.01 | 4.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0259 | Soil                             | 24    | 96    | 1.63  | 501   | 0.166 | <1    | 2.19  | 0.017 | 0.15  | 0.1   | 0.03  | 5.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0260 | Soil                             | 50    | 196   | 3.24  | 1402  | 0.269 | 2     | 2.89  | 0.047 | 0.44  | 0.1   | 0.02  | 4.5   | 0.2   | 0.05  | 10    | 0.6   | <0.2  |
| 11NG0261 | Soil                             | 55    | 207   | 3.46  | 1596  | 0.296 | 2     | 3.03  | 0.048 | 0.50  | 0.1   | 0.01  | 4.7   | 0.2   | 0.07  | 10    | 0.6   | <0.2  |
| 11NG0262 | Soil                             | 8     | 42    | 0.87  | 168   | 0.084 | 2     | 2.59  | 0.019 | 0.07  | <0.1  | 0.01  | 4.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0263 | Soil                             | 8     | 34    | 0.83  | 219   | 0.091 | 1     | 2.25  | 0.018 | 0.06  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11NG0264 | Soil                             | 1.0              | 29.6             | 8.3              | 65             | <0.1             | 22.6             | 12.9             | 508            | 3.02            | 7.8              | 0.5             | 1.2              | 1.7              | 30             | 0.1              | 0.4              | 0.2              | 74            | 0.36            | 0.061           |
| 11NG0265 | Soil                             | 0.8              | 35.8             | 8.3              | 61             | <0.1             | 22.1             | 12.4             | 408            | 2.83            | 6.2              | 0.6             | 6.3              | 2.8              | 29             | <0.1             | 0.4              | 0.1              | 73            | 0.42            | 0.054           |
| 11NG0266 | Soil                             | 0.7              | 35.7             | 8.9              | 61             | 0.1              | 22.1             | 12.0             | 457            | 2.96            | 7.4              | 0.7             | 3.8              | 3.0              | 28             | 0.1              | 0.4              | 0.2              | 74            | 0.35            | 0.057           |
| 11NG0267 | Soil                             | 0.7              | 36.4             | 10.0             | 70             | 0.1              | 25.1             | 12.3             | 452            | 3.25            | 7.6              | 0.7             | 3.3              | 3.2              | 30             | 0.1              | 0.4              | 0.2              | 81            | 0.35            | 0.060           |
| 11NG0268 | Soil                             | 1.5              | 15.2             | 11.3             | 73             | <0.1             | 17.0             | 12.6             | 464            | 3.95            | 9.4              | 0.5             | <0.5             | 2.3              | 29             | 0.2              | 0.5              | 0.3              | 81            | 0.29            | 0.071           |
| 11NG0269 | Soil                             | 0.6              | 12.0             | 6.2              | 93             | <0.1             | 18.1             | 13.2             | 696            | 5.02            | 4.3              | 1.3             | 1.2              | 5.3              | 17             | <0.1             | 0.3              | 0.1              | 52            | 0.20            | 0.084           |
| 11NG0270 | Soil                             | 1.3              | 31.3             | 14.2             | 60             | <0.1             | 27.6             | 13.6             | 409            | 3.55            | 10.3             | 0.9             | 4.4              | 4.4              | 28             | 0.1              | 0.5              | 0.4              | 92            | 0.28            | 0.049           |
| 11NG0271 | Soil                             | 1.4              | 24.4             | 10.4             | 70             | 0.1              | 26.8             | 13.1             | 443            | 3.78            | 10.1             | 0.5             | 3.4              | 2.9              | 28             | <0.1             | 0.6              | 0.2              | 100           | 0.31            | 0.044           |
| 11NG0272 | Soil                             | 0.5              | 40.4             | 7.7              | 71             | <0.1             | 29.7             | 20.1             | 812            | 4.62            | 4.9              | 0.6             | 3.6              | 2.5              | 44             | <0.1             | 0.8              | <0.1             | 126           | 0.65            | 0.063           |
| 11NG0273 | Soil                             | 1.0              | 15.0             | 8.3              | 87             | 0.2              | 33.7             | 11.9             | 1019           | 2.89            | 5.7              | 1.1             | 2.5              | 5.8              | 29             | <0.1             | 0.4              | 0.1              | 54            | 0.37            | 0.074           |
| 11NG0274 | Soil                             | 1.2              | 16.2             | 8.7              | 66             | 0.1              | 18.5             | 9.7              | 360            | 2.84            | 7.1              | 1.0             | 0.5              | 5.5              | 15             | <0.1             | 0.5              | 0.2              | 57            | 0.13            | 0.032           |
| 11NG0275 | Soil                             | 1.1              | 16.5             | 8.7              | 79             | 0.1              | 29.9             | 16.2             | 539            | 4.00            | 8.7              | 0.6             | 3.2              | 4.6              | 22             | 0.1              | 0.4              | 0.2              | 90            | 0.23            | 0.032           |
| 11NG0276 | Soil                             | 0.4              | 9.1              | 4.9              | 70             | <0.1             | 9.2              | 8.5              | 417            | 2.44            | 3.0              | 0.9             | 1.1              | 6.4              | 13             | <0.1             | 0.2              | <0.1             | 33            | 0.12            | 0.027           |
| 11NG0277 | Soil                             | 1.0              | 46.2             | 6.5              | 78             | <0.1             | 18.0             | 12.1             | 511            | 3.34            | 5.7              | 1.2             | 5.0              | 7.3              | 18             | <0.1             | 0.4              | 0.2              | 58            | 0.19            | 0.026           |
| 11NG0278 | Soil                             | 0.8              | 125.9            | 8.2              | 100            | 0.2              | 28.2             | 15.0             | 716            | 4.53            | 4.1              | 1.1             | 5.3              | 6.0              | 25             | 0.1              | 0.3              | 0.1              | 81            | 0.40            | 0.099           |
| 11NG0279 | Soil                             | 1.0              | 31.3             | 7.9              | 65             | 0.3              | 25.9             | 13.3             | 503            | 3.46            | 5.7              | 0.6             | 2.9              | 3.1              | 27             | <0.1             | 0.3              | 0.1              | 87            | 0.32            | 0.028           |
| 11NG0280 | Soil                             | 1.0              | 26.5             | 10.6             | 56             | 0.3              | 18.0             | 10.9             | 396            | 3.12            | 6.0              | 0.7             | 1.6              | 3.3              | 21             | <0.1             | 0.3              | 0.2              | 83            | 0.27            | 0.035           |
| 11NG0281 | Soil                             | 1.2              | 29.4             | 9.3              | 72             | 0.3              | 21.2             | 14.7             | 632            | 3.72            | 5.9              | 0.6             | 1.4              | 3.1              | 21             | <0.1             | 0.3              | 0.2              | 95            | 0.27            | 0.051           |
| 11NG0282 | Soil                             | 1.0              | 26.2             | 8.9              | 65             | 0.2              | 21.7             | 10.9             | 371            | 3.39            | 6.0              | 0.5             | 1.6              | 3.0              | 28             | <0.1             | 0.3              | 0.1              | 86            | 0.32            | 0.025           |
| 11NG0283 | Soil                             | 0.8              | 14.6             | 6.5              | 122            | 0.3              | 8.4              | 11.1             | 990            | 3.80            | 2.3              | 0.5             | <0.5             | 3.1              | 37             | 0.2              | 0.2              | 0.1              | 84            | 0.68            | 0.097           |
| 11DS0256 | Soil                             | 0.7              | 15.4             | 7.9              | 77             | <0.1             | 14.6             | 11.4             | 471            | 3.63            | 5.4              | 0.8             | 5.9              | 4.6              | 25             | 0.1              | 0.3              | 0.1              | 70            | 0.37            | 0.077           |
| 11DS0257 | Soil                             | 1.0              | 10.8             | 11.3             | 89             | <0.1             | 14.1             | 8.6              | 449            | 2.84            | 4.6              | 0.7             | <0.5             | 3.4              | 31             | 0.1              | 0.3              | 0.1              | 48            | 0.55            | 0.101           |
| 11DS0258 | Soil                             | 0.3              | 14.1             | 5.2              | 109            | <0.1             | 10.4             | 21.4             | 686            | 5.11            | 2.6              | 0.7             | 1.4              | 5.4              | 31             | 0.1              | 0.1              | <0.1             | 81            | 0.81            | 0.244           |
| 11DS0259 | Soil                             | 0.4              | 17.2             | 4.0              | 111            | <0.1             | 3.6              | 9.2              | 715            | 3.87            | 1.2              | 0.6             | 0.7              | 3.4              | 38             | <0.1             | 0.1              | <0.1             | 56            | 0.66            | 0.107           |
| 11DS0260 | Soil                             | 0.8              | 26.5             | 9.2              | 85             | <0.1             | 18.6             | 12.3             | 641            | 3.60            | 7.1              | 0.9             | <0.5             | 4.8              | 30             | 0.1              | 0.2              | 0.1              | 69            | 0.64            | 0.092           |
| 11DS0261 | Soil                             | 0.9              | 24.9             | 8.1              | 82             | <0.1             | 17.7             | 12.3             | 610            | 3.37            | 6.7              | 0.8             | 1.9              | 4.5              | 29             | 0.2              | 0.2              | 0.1              | 68            | 0.58            | 0.091           |
| 11DS0262 | Soil                             | 0.9              | 28.7             | 10.3             | 80             | 0.1              | 19.1             | 14.2             | 735            | 3.76            | 4.2              | 1.0             | 3.5              | 3.6              | 29             | <0.1             | 0.2              | 0.1              | 82            | 0.54            | 0.075           |
| 11DS0263 | Soil                             | 0.4              | 10.9             | 3.3              | 90             | <0.1             | 9.3              | 10.0             | 662            | 4.10            | 2.0              | 0.6             | <0.5             | 6.0              | 17             | <0.1             | 0.2              | <0.1             | 60            | 0.39            | 0.097           |
| 11DS0264 | Soil                             | 0.4              | 51.1             | 6.1              | 118            | <0.1             | 12.0             | 19.2             | 596            | 4.45            | 1.7              | 0.7             | 1.0              | 3.1              | 23             | <0.1             | 0.1              | <0.1             | 119           | 0.76            | 0.148           |
| 11DS0265 | Soil                             | 0.6              | 33.6             | 8.1              | 91             | <0.1             | 16.3             | 12.1             | 541            | 3.85            | 3.0              | 0.7             | 0.8              | 4.0              | 26             | 0.2              | 0.2              | <0.1             | 82            | 0.60            | 0.077           |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0264 | Soil                             | 8     | 34    | 0.74  | 202   | 0.078 | 1     | 2.43  | 0.014 | 0.09  | 0.1   | 0.02  | 3.3   | <0.1  | 0.05  | 6     | <0.5  | <0.2  |
| 11NG0265 | Soil                             | 12    | 33    | 0.77  | 222   | 0.089 | 3     | 2.14  | 0.018 | 0.06  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 6     | 0.9   | <0.2  |
| 11NG0266 | Soil                             | 12    | 35    | 0.77  | 231   | 0.087 | 1     | 2.10  | 0.017 | 0.08  | <0.1  | 0.03  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0267 | Soil                             | 12    | 39    | 0.91  | 260   | 0.086 | 3     | 2.36  | 0.015 | 0.08  | 0.1   | 0.03  | 5.0   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0268 | Soil                             | 10    | 30    | 0.57  | 138   | 0.071 | <1    | 2.32  | 0.008 | 0.07  | <0.1  | 0.02  | 3.3   | 0.1   | <0.05 | 8     | 0.7   | <0.2  |
| 11NG0269 | Soil                             | 25    | 24    | 0.21  | 263   | 0.006 | 2     | 1.49  | 0.009 | 0.14  | <0.1  | 0.02  | 10.5  | 0.1   | <0.05 | 3     | <0.5  | <0.2  |
| 11NG0270 | Soil                             | 13    | 46    | 0.73  | 294   | 0.104 | 2     | 2.80  | 0.020 | 0.06  | 0.1   | 0.03  | 5.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0271 | Soil                             | 9     | 46    | 0.90  | 237   | 0.096 | 2     | 2.86  | 0.022 | 0.06  | 0.1   | 0.02  | 4.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0272 | Soil                             | 12    | 68    | 1.68  | 286   | 0.020 | 2     | 3.26  | 0.013 | 0.08  | 0.2   | 0.04  | 13.4  | <0.1  | <0.05 | 10    | 0.8   | <0.2  |
| 11NG0273 | Soil                             | 24    | 30    | 0.49  | 662   | 0.035 | <1    | 1.66  | 0.013 | 0.11  | <0.1  | 0.03  | 6.0   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11NG0274 | Soil                             | 17    | 32    | 0.55  | 282   | 0.065 | 1     | 2.05  | 0.010 | 0.11  | <0.1  | 0.04  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0275 | Soil                             | 13    | 54    | 1.31  | 386   | 0.146 | 2     | 2.66  | 0.014 | 0.20  | <0.1  | 0.03  | 6.2   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11NG0276 | Soil                             | 19    | 13    | 0.72  | 202   | 0.083 | 2     | 1.62  | 0.008 | 0.26  | <0.1  | <0.01 | 3.1   | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| 11NG0277 | Soil                             | 19    | 28    | 0.91  | 323   | 0.101 | 2     | 2.41  | 0.012 | 0.17  | <0.1  | 0.02  | 5.2   | 0.2   | <0.05 | 7     | 0.7   | <0.2  |
| 11NG0278 | Soil                             | 25    | 41    | 1.23  | 625   | 0.157 | 1     | 2.31  | 0.015 | 0.53  | 0.1   | 0.02  | 7.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0279 | Soil                             | 10    | 53    | 1.15  | 255   | 0.136 | <1    | 2.69  | 0.020 | 0.13  | <0.1  | 0.02  | 4.3   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11NG0280 | Soil                             | 11    | 38    | 0.83  | 197   | 0.124 | 2     | 2.77  | 0.022 | 0.12  | <0.1  | 0.03  | 4.2   | 0.1   | <0.05 | 8     | 0.5   | <0.2  |
| 11NG0281 | Soil                             | 11    | 43    | 1.03  | 209   | 0.143 | 2     | 2.75  | 0.019 | 0.16  | <0.1  | 0.02  | 5.1   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0282 | Soil                             | 12    | 36    | 1.01  | 244   | 0.138 | 1     | 2.49  | 0.018 | 0.13  | 0.1   | 0.02  | 4.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0283 | Soil                             | 8     | 14    | 1.05  | 307   | 0.211 | 2     | 2.24  | 0.022 | 0.91  | 0.2   | 0.01  | 5.2   | 0.3   | <0.05 | 9     | 0.6   | <0.2  |
| 11DS0256 | Soil                             | 15    | 24    | 0.82  | 396   | 0.080 | <1    | 1.95  | 0.018 | 0.09  | 0.1   | 0.02  | 5.7   | <0.1  | <0.05 | 7     | 0.8   | <0.2  |
| 11DS0257 | Soil                             | 10    | 21    | 0.67  | 482   | 0.043 | <1    | 1.77  | 0.017 | 0.08  | <0.1  | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0258 | Soil                             | 16    | 12    | 1.22  | 318   | 0.165 | 1     | 2.33  | 0.015 | 0.48  | <0.1  | 0.02  | 11.6  | 0.2   | <0.05 | 11    | <0.5  | <0.2  |
| 11DS0259 | Soil                             | 15    | 7     | 1.06  | 238   | 0.230 | <1    | 2.56  | 0.012 | 0.79  | <0.1  | 0.01  | 2.5   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0260 | Soil                             | 12    | 27    | 0.94  | 227   | 0.126 | <1    | 2.53  | 0.021 | 0.11  | <0.1  | 0.02  | 4.7   | <0.1  | <0.05 | 8     | 0.6   | <0.2  |
| 11DS0261 | Soil                             | 11    | 24    | 0.93  | 230   | 0.123 | <1    | 2.33  | 0.021 | 0.12  | 0.2   | 0.01  | 5.0   | <0.1  | <0.05 | 8     | 0.6   | <0.2  |
| 11DS0262 | Soil                             | 18    | 35    | 1.00  | 294   | 0.115 | 1     | 2.49  | 0.024 | 0.16  | <0.1  | 0.05  | 7.8   | <0.1  | <0.05 | 9     | 0.9   | <0.2  |
| 11DS0263 | Soil                             | 17    | 13    | 0.96  | 384   | 0.181 | <1    | 2.17  | 0.015 | 0.76  | <0.1  | <0.01 | 7.9   | 0.2   | <0.05 | 10    | 0.6   | <0.2  |
| 11DS0264 | Soil                             | 15    | 23    | 1.56  | 252   | 0.112 | <1    | 2.49  | 0.039 | 0.12  | <0.1  | 0.01  | 10.3  | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| 11DS0265 | Soil                             | 18    | 28    | 1.18  | 249   | 0.156 | 1     | 2.42  | 0.040 | 0.13  | <0.1  | <0.01 | 7.2   | <0.1  | <0.05 | 8     | 0.8   | <0.2  |





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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0266 | Soil                             | 1.2   | 21.5  | 11.7  | 73    | 0.1   | 16.6  | 10.7  | 531   | 3.38  | 4.9   | 0.8   | 0.6   | 5.3   | 25    | <0.1  | 0.3   | 0.1   | 72    | 0.33  | 0.048 |
| 11DS0267 | Soil                             | 0.5   | 30.9  | 6.7   | 49    | <0.1  | 45.8  | 15.9  | 390   | 2.54  | 2.2   | 0.4   | 1.6   | 2.7   | 17    | 0.1   | 0.1   | <0.1  | 58    | 0.60  | 0.057 |
| 11DS0268 | Soil                             | 0.7   | 15.9  | 4.4   | 84    | <0.1  | 10.8  | 12.1  | 679   | 4.13  | 3.0   | 0.5   | 1.4   | 5.3   | 11    | 0.1   | 0.2   | <0.1  | 66    | 0.22  | 0.044 |
| 11DS0269 | Soil                             | 1.3   | 17.6  | 9.1   | 59    | <0.1  | 16.8  | 9.3   | 372   | 2.93  | 6.7   | 0.7   | 2.7   | 4.6   | 16    | <0.1  | 0.3   | 0.1   | 61    | 0.29  | 0.031 |
| 11DS0270 | Soil                             | 1.0   | 10.5  | 9.6   | 67    | <0.1  | 10.8  | 10.1  | 545   | 3.56  | 4.8   | 0.6   | 1.1   | 4.7   | 16    | <0.1  | 0.2   | <0.1  | 55    | 0.34  | 0.046 |
| 11DS0271 | Soil                             | 1.0   | 16.6  | 7.6   | 60    | <0.1  | 15.1  | 9.2   | 352   | 3.36  | 5.1   | 0.6   | 5.2   | 4.3   | 17    | <0.1  | 0.3   | <0.1  | 68    | 0.28  | 0.033 |
| 11DS0272 | Soil                             | 0.8   | 18.5  | 8.0   | 72    | <0.1  | 16.1  | 10.0  | 419   | 3.52  | 5.0   | 0.7   | 1.5   | 4.2   | 17    | 0.1   | 0.3   | <0.1  | 66    | 0.27  | 0.052 |
| 11DS0273 | Soil                             | 1.1   | 23.6  | 7.1   | 89    | <0.1  | 8.4   | 14.1  | 846   | 5.21  | 4.0   | 0.7   | 1.8   | 4.8   | 13    | <0.1  | 0.2   | <0.1  | 93    | 0.29  | 0.098 |
| 11DS0274 | Soil                             | 1.0   | 21.3  | 8.4   | 60    | 0.1   | 16.4  | 10.5  | 438   | 3.12  | 5.5   | 0.8   | 4.6   | 4.2   | 18    | 0.1   | 0.2   | 0.1   | 69    | 0.29  | 0.038 |
| 11DS0275 | Soil                             | 0.8   | 16.5  | 4.7   | 75    | <0.1  | 12.5  | 11.7  | 624   | 3.91  | 3.5   | 0.7   | 2.7   | 5.0   | 23    | <0.1  | 0.2   | 0.1   | 74    | 0.26  | 0.044 |
| 11TB0254 | Soil                             | 0.9   | 23.5  | 10.2  | 69    | <0.1  | 18.6  | 13.3  | 516   | 3.56  | 6.2   | 0.8   | 5.1   | 3.1   | 25    | <0.1  | 0.4   | 0.1   | 77    | 0.48  | 0.070 |
| 11TB0255 | Soil                             | 1.1   | 15.5  | 7.8   | 78    | <0.1  | 15.7  | 11.2  | 435   | 3.88  | 5.5   | 0.8   | 1.8   | 4.0   | 19    | 0.1   | 0.3   | <0.1  | 73    | 0.34  | 0.066 |
| 11TB0256 | Soil                             | 1.1   | 21.6  | 10.8  | 65    | <0.1  | 20.9  | 12.1  | 478   | 3.16  | 6.6   | 0.8   | 5.7   | 3.5   | 25    | 0.2   | 0.4   | 0.1   | 74    | 0.45  | 0.049 |
| 11TB0257 | Soil                             | 0.9   | 14.7  | 8.3   | 68    | <0.1  | 18.3  | 12.5  | 389   | 3.50  | 6.5   | 0.5   | 26.1  | 3.9   | 15    | <0.1  | 0.3   | <0.1  | 62    | 0.27  | 0.066 |
| 11TB0258 | Soil                             | 0.7   | 22.3  | 7.0   | 78    | <0.1  | 15.2  | 14.7  | 663   | 4.08  | 2.9   | 0.5   | 1.7   | 3.4   | 18    | 0.2   | 0.2   | <0.1  | 82    | 0.41  | 0.064 |
| 11TB0259 | Soil                             | 0.7   | 32.4  | 7.8   | 86    | <0.1  | 38.9  | 18.5  | 496   | 5.00  | 3.7   | 0.7   | 5.6   | 3.7   | 23    | <0.1  | 0.2   | <0.1  | 109   | 0.48  | 0.076 |
| 11TB0260 | Soil                             | 0.5   | 18.8  | 5.1   | 82    | <0.1  | 22.8  | 15.8  | 661   | 4.43  | 2.7   | 0.6   | 1.0   | 4.1   | 20    | <0.1  | 0.2   | <0.1  | 95    | 0.54  | 0.099 |
| 11TB0261 | Soil                             | 0.5   | 14.3  | 3.3   | 95    | <0.1  | 16.6  | 17.5  | 831   | 4.81  | 1.9   | 0.6   | 0.6   | 4.0   | 17    | <0.1  | 0.1   | <0.1  | 107   | 0.53  | 0.120 |
| 11TB0262 | Soil                             | 0.8   | 21.1  | 8.4   | 65    | <0.1  | 24.6  | 11.3  | 388   | 3.33  | 6.1   | 0.5   | 6.2   | 3.4   | 22    | 0.1   | 0.3   | 0.1   | 67    | 0.41  | 0.066 |
| 11TB0263 | Soil                             | 0.8   | 37.6  | 8.3   | 100   | <0.1  | 32.6  | 15.6  | 773   | 4.63  | 3.7   | 0.6   | 1.0   | 3.4   | 28    | 0.3   | 0.2   | <0.1  | 100   | 0.80  | 0.097 |
| 11TB0264 | Soil                             | 0.9   | 26.0  | 11.5  | 76    | 0.1   | 16.9  | 11.5  | 459   | 4.07  | 5.9   | 0.5   | 1.3   | 3.5   | 14    | 0.2   | 0.4   | 0.1   | 87    | 0.19  | 0.030 |
| 11TB0265 | Soil                             | 1.2   | 22.0  | 9.4   | 85    | 0.2   | 14.7  | 11.6  | 1310  | 3.59  | 4.1   | 0.5   | <0.5  | 2.9   | 22    | 0.3   | 0.2   | 0.1   | 81    | 0.40  | 0.064 |
| 11TB0266 | Soil                             | 1.3   | 23.4  | 10.0  | 59    | 0.1   | 20.1  | 9.5   | 392   | 3.15  | 8.2   | 1.1   | 3.6   | 5.6   | 19    | 0.1   | 0.4   | 0.2   | 64    | 0.26  | 0.033 |
| 11TB0267 | Soil                             | 1.4   | 19.7  | 10.5  | 66    | 0.1   | 18.2  | 10.8  | 445   | 3.26  | 6.7   | 0.9   | 2.3   | 5.3   | 22    | 0.2   | 0.3   | 0.1   | 68    | 0.32  | 0.039 |
| 11TB0268 | Soil                             | 1.0   | 23.8  | 15.1  | 65    | 0.1   | 18.6  | 10.1  | 411   | 3.22  | 7.2   | 0.9   | 2.5   | 4.7   | 22    | 0.2   | 0.3   | 0.1   | 68    | 0.30  | 0.041 |
| 11TB0269 | Soil                             | 0.9   | 18.2  | 11.2  | 49    | 0.1   | 16.9  | 8.0   | 245   | 2.78  | 7.9   | 0.7   | 2.2   | 4.0   | 17    | 0.2   | 0.3   | 0.1   | 66    | 0.23  | 0.032 |
| 11TB0270 | Soil                             | 1.5   | 16.3  | 11.0  | 83    | <0.1  | 15.5  | 10.7  | 511   | 4.45  | 9.0   | 0.5   | <0.5  | 3.8   | 20    | 0.3   | 0.3   | 0.1   | 90    | 0.27  | 0.067 |
| 11TB0271 | Soil                             | 1.4   | 18.4  | 10.5  | 67    | 0.1   | 15.6  | 10.6  | 375   | 4.02  | 6.4   | 0.6   | 4.3   | 3.3   | 18    | 0.1   | 0.4   | 0.1   | 87    | 0.24  | 0.029 |
| 11TB0272 | Soil                             | 0.9   | 20.3  | 8.1   | 71    | <0.1  | 16.5  | 11.8  | 397   | 3.78  | 5.8   | 0.6   | 0.7   | 4.2   | 15    | 0.1   | 0.3   | 0.1   | 79    | 0.17  | 0.028 |
| 11TB0273 | Soil                             | 1.3   | 19.2  | 8.9   | 61    | <0.1  | 20.7  | 10.9  | 325   | 3.45  | 6.8   | 0.6   | 0.9   | 3.4   | 20    | 0.1   | 0.3   | 0.1   | 75    | 0.28  | 0.027 |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0266 | Soil                             | 16    | 31    | 0.94  | 360   | 0.135 | 2     | 2.26  | 0.019 | 0.09  | 0.1   | 0.02  | 5.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0267 | Soil                             | 10    | 103   | 1.20  | 143   | 0.128 | 2     | 1.62  | 0.034 | 0.05  | <0.1  | <0.01 | 3.7   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11DS0268 | Soil                             | 10    | 22    | 0.88  | 168   | 0.182 | <1    | 2.06  | 0.009 | 0.40  | <0.1  | 0.01  | 5.2   | 0.2   | <0.05 | 9     | 0.5   | <0.2  |
| 11DS0269 | Soil                             | 12    | 32    | 0.61  | 174   | 0.098 | <1    | 1.56  | 0.011 | 0.08  | 0.1   | 0.01  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0270 | Soil                             | 11    | 23    | 0.67  | 193   | 0.151 | <1    | 1.75  | 0.009 | 0.24  | 0.1   | <0.01 | 3.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0271 | Soil                             | 11    | 30    | 0.79  | 191   | 0.138 | <1    | 1.86  | 0.009 | 0.26  | <0.1  | 0.02  | 3.5   | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| 11DS0272 | Soil                             | 12    | 25    | 0.84  | 199   | 0.176 | 1     | 2.01  | 0.011 | 0.38  | 0.1   | <0.01 | 3.6   | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| 11DS0273 | Soil                             | 11    | 15    | 0.95  | 246   | 0.181 | <1    | 2.31  | 0.010 | 0.67  | <0.1  | <0.01 | 6.5   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0274 | Soil                             | 14    | 32    | 0.78  | 224   | 0.116 | <1    | 1.75  | 0.011 | 0.10  | 0.1   | <0.01 | 4.8   | 0.1   | <0.05 | 6     | 1.0   | <0.2  |
| 11DS0275 | Soil                             | 14    | 28    | 0.94  | 280   | 0.184 | <1    | 1.97  | 0.010 | 0.59  | 0.2   | 0.01  | 5.4   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0254 | Soil                             | 14    | 33    | 0.70  | 688   | 0.083 | 1     | 1.98  | 0.016 | 0.06  | 0.1   | 0.02  | 5.5   | <0.1  | <0.05 | 6     | 0.9   | <0.2  |
| 11TB0255 | Soil                             | 15    | 28    | 0.79  | 214   | 0.111 | <1    | 1.83  | 0.012 | 0.11  | 0.1   | 0.02  | 6.1   | <0.1  | <0.05 | 7     | 1.0   | <0.2  |
| 11TB0256 | Soil                             | 13    | 37    | 0.68  | 274   | 0.087 | <1    | 1.97  | 0.015 | 0.05  | <0.1  | 0.02  | 4.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0257 | Soil                             | 8     | 29    | 0.67  | 113   | 0.084 | <1    | 1.85  | 0.010 | 0.06  | 0.1   | 0.01  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0258 | Soil                             | 13    | 27    | 1.08  | 231   | 0.096 | <1    | 2.02  | 0.013 | 0.07  | <0.1  | <0.01 | 6.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0259 | Soil                             | 21    | 64    | 1.43  | 251   | 0.121 | 1     | 2.18  | 0.014 | 0.14  | <0.1  | <0.01 | 7.7   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0260 | Soil                             | 16    | 41    | 1.30  | 318   | 0.238 | <1    | 2.20  | 0.013 | 0.72  | <0.1  | 0.01  | 9.3   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0261 | Soil                             | 15    | 29    | 1.34  | 354   | 0.284 | <1    | 2.31  | 0.012 | 1.07  | <0.1  | <0.01 | 12.0  | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11TB0262 | Soil                             | 11    | 40    | 0.75  | 202   | 0.099 | 2     | 1.71  | 0.015 | 0.08  | 0.1   | <0.01 | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0263 | Soil                             | 11    | 56    | 1.36  | 346   | 0.149 | 1     | 2.23  | 0.020 | 0.17  | <0.1  | 0.01  | 7.8   | <0.1  | <0.05 | 9     | 1.2   | <0.2  |
| 11TB0264 | Soil                             | 10    | 30    | 0.86  | 218   | 0.143 | <1    | 2.12  | 0.015 | 0.10  | <0.1  | 0.01  | 5.4   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0265 | Soil                             | 15    | 27    | 0.78  | 322   | 0.132 | <1    | 1.89  | 0.013 | 0.13  | <0.1  | 0.02  | 4.5   | 0.1   | <0.05 | 9     | 0.5   | <0.2  |
| 11TB0266 | Soil                             | 24    | 34    | 0.56  | 232   | 0.070 | 1     | 1.80  | 0.011 | 0.06  | <0.1  | 0.02  | 4.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0267 | Soil                             | 18    | 32    | 0.67  | 233   | 0.094 | <1    | 1.80  | 0.010 | 0.06  | 0.1   | 0.01  | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0268 | Soil                             | 18    | 34    | 0.68  | 257   | 0.094 | <1    | 1.74  | 0.012 | 0.08  | 0.1   | <0.01 | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0269 | Soil                             | 17    | 31    | 0.56  | 238   | 0.089 | <1    | 1.69  | 0.009 | 0.08  | 0.1   | <0.01 | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0270 | Soil                             | 10    | 30    | 0.73  | 178   | 0.134 | <1    | 1.99  | 0.010 | 0.20  | 0.1   | <0.01 | 4.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0271 | Soil                             | 11    | 32    | 0.86  | 213   | 0.148 | <1    | 2.23  | 0.012 | 0.17  | 0.1   | <0.01 | 5.3   | 0.2   | <0.05 | 8     | 1.1   | <0.2  |
| 11TB0272 | Soil                             | 14    | 29    | 0.88  | 207   | 0.147 | <1    | 2.09  | 0.010 | 0.19  | 0.1   | 0.02  | 4.5   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0273 | Soil                             | 10    | 38    | 0.78  | 189   | 0.116 | <1    | 2.03  | 0.011 | 0.09  | <0.1  | <0.01 | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0276 | Soil                             | 1.9   | 13.4  | 19.7  | 69    | 0.1   | 6.3   | 4.8   | 259   | 2.35  | 5.3   | 2.3   | 0.7   | 10.0  | 22    | 0.1   | 0.2   | 0.1   | 23    | 0.28  | 0.041 |
| 11DS0277 | Soil                             | 1.8   | 17.7  | 18.3  | 86    | 0.2   | 13.6  | 11.5  | 487   | 2.79  | 5.6   | 2.4   | 1.3   | 7.2   | 33    | 0.2   | 0.2   | 0.1   | 37    | 0.51  | 0.044 |
| 11DS0278 | Soil                             | 4.1   | 27.8  | 324.1 | 208   | 0.6   | 39.0  | 14.3  | 647   | 4.28  | 27.1  | 4.0   | 13.3  | 20.9  | 48    | 0.4   | 0.3   | 1.2   | 22    | 0.40  | 0.108 |
| 11DS0279 | Soil                             | 3.1   | 20.3  | 102.0 | 169   | 0.3   | 10.0  | 10.4  | 427   | 3.51  | 17.7  | 2.5   | 4.4   | 12.5  | 25    | 0.4   | 0.3   | 1.2   | 29    | 0.36  | 0.054 |
| 11DS0280 | Soil                             | 1.2   | 24.1  | 37.6  | 153   | 0.2   | 17.0  | 10.0  | 427   | 3.31  | 11.7  | 2.8   | 3.7   | 8.7   | 29    | 0.4   | 0.3   | 0.7   | 44    | 0.34  | 0.044 |
| 11DS0281 | Soil                             | 1.4   | 22.6  | 44.5  | 127   | 0.2   | 15.8  | 9.3   | 366   | 3.16  | 12.3  | 2.8   | 4.0   | 8.7   | 29    | 0.2   | 0.3   | 0.9   | 46    | 0.32  | 0.038 |
| 11DS0282 | Soil                             | 3.2   | 13.4  | 17.6  | 61    | 0.2   | 8.2   | 7.5   | 301   | 3.94  | 15.1  | 3.8   | 2.3   | 13.4  | 93    | <0.1  | 0.2   | <0.1  | 23    | 0.20  | 0.047 |
| 11DS0283 | Soil                             | 1.9   | 15.4  | 25.9  | 71    | <0.1  | 13.3  | 12.0  | 1006  | 3.10  | 9.0   | 1.9   | <0.5  | 14.2  | 15    | <0.1  | 0.3   | <0.1  | 31    | 0.19  | 0.032 |
| 11DS0284 | Soil                             | 1.7   | 21.6  | 13.4  | 55    | <0.1  | 7.6   | 8.9   | 469   | 3.28  | 3.4   | 3.3   | 2.6   | 19.0  | 18    | <0.1  | 0.2   | <0.1  | 20    | 0.17  | 0.038 |
| 11DS0285 | Soil                             | 1.0   | 11.4  | 10.9  | 42    | <0.1  | 9.2   | 7.2   | 118   | 1.49  | 25.9  | 1.2   | 0.8   | 13.6  | 17    | <0.1  | <0.1  | <0.1  | 17    | 0.26  | 0.027 |
| 11DS0286 | Soil                             | 0.6   | 30.2  | 8.7   | 54    | <0.1  | 13.3  | 12.6  | 443   | 2.47  | 5.4   | 1.2   | <0.5  | 6.8   | 62    | 0.1   | 0.3   | <0.1  | 57    | 4.43  | 0.063 |
| 11DS0287 | Soil                             | 1.7   | 25.1  | 23.2  | 57    | 0.2   | 17.4  | 8.1   | 274   | 2.19  | 11.1  | 1.7   | <0.5  | 17.1  | 19    | <0.1  | 0.3   | 0.1   | 31    | 0.37  | 0.031 |
| 11DS0288 | Soil                             | 2.0   | 19.1  | 13.9  | 52    | 0.1   | 9.6   | 10.0  | 630   | 2.81  | 4.7   | 2.4   | 2.4   | 18.3  | 19    | <0.1  | 0.2   | 0.1   | 19    | 0.28  | 0.044 |
| 11DS0289 | Soil                             | 2.4   | 17.3  | 32.1  | 71    | 0.1   | 10.1  | 10.1  | 493   | 3.33  | 8.8   | 2.6   | 1.7   | 15.9  | 26    | <0.1  | 0.3   | 0.5   | 24    | 0.23  | 0.039 |
| 11DS0290 | Soil                             | 2.7   | 88.4  | 133.3 | 215   | 0.7   | 9.1   | 6.3   | 236   | 3.10  | 7.3   | 4.4   | 4.9   | 16.6  | 39    | 0.4   | 0.2   | 9.1   | 18    | 0.27  | 0.032 |
| 11DS0291 | Soil                             | 2.7   | 20.1  | 36.0  | 76    | 0.1   | 7.0   | 10.6  | 373   | 2.75  | 5.5   | 3.1   | 3.0   | 11.9  | 32    | 0.3   | 0.2   | 0.1   | 21    | 0.23  | 0.044 |
| 11DS0292 | Soil                             | 3.3   | 14.2  | 54.8  | 85    | 0.1   | 6.3   | 6.2   | 323   | 3.44  | 14.3  | 1.2   | 1.4   | 13.1  | 26    | 0.3   | 0.2   | 0.6   | 24    | 0.12  | 0.037 |
| 11DS0293 | Soil                             | 3.3   | 15.1  | 202.9 | 120   | 0.8   | 5.1   | 2.4   | 118   | 4.47  | 64.5  | 2.8   | 15.9  | 26.2  | 56    | <0.1  | 0.2   | 20.0  | 10    | 0.08  | 0.048 |
| 11DS0294 | Soil                             | 2.8   | 22.4  | 325.1 | 125   | 0.9   | 7.8   | 5.0   | 198   | 4.40  | 50.4  | 4.5   | 11.3  | 21.0  | 49    | <0.1  | 0.2   | 5.8   | 22    | 0.15  | 0.048 |
| 11DS0295 | Soil                             | 1.7   | 18.9  | 35.3  | 464   | <0.1  | 8.4   | 11.4  | 688   | 2.15  | 6.2   | 3.3   | 4.2   | 20.2  | 11    | 0.8   | 0.2   | 0.2   | 12    | 0.09  | 0.027 |
| 11DS0296 | Soil                             | 0.6   | 11.8  | 11.9  | 198   | 0.3   | 10.3  | 9.2   | 1020  | 2.26  | 4.5   | 0.6   | 0.6   | 3.4   | 31    | 0.8   | 0.2   | 0.1   | 34    | 0.43  | 0.074 |
| 11DS0297 | Soil                             | 0.6   | 11.6  | 9.5   | 127   | <0.1  | 6.4   | 8.7   | 433   | 3.15  | 7.8   | 0.7   | <0.5  | 2.5   | 17    | <0.1  | 0.1   | 0.1   | 37    | 0.32  | 0.088 |
| 11DS0298 | Soil                             | 0.3   | 48.7  | 4.8   | 83    | <0.1  | 14.6  | 25.7  | 626   | 4.69  | 2.9   | 0.4   | <0.5  | 1.7   | 19    | 0.2   | 0.2   | <0.1  | 96    | 0.78  | 0.198 |
| 11DS0299 | Soil                             | 0.4   | 33.3  | 3.9   | 56    | <0.1  | 38.1  | 16.9  | 356   | 3.00  | 2.5   | 0.4   | 2.3   | 3.1   | 30    | <0.1  | 0.2   | <0.1  | 64    | 2.18  | 0.082 |
| 11DS0300 | Soil                             | 0.8   | 36.2  | 5.1   | 82    | <0.1  | 19.2  | 15.9  | 584   | 4.44  | 18.0  | 0.8   | <0.5  | 3.5   | 20    | <0.1  | 0.3   | 0.1   | 88    | 0.41  | 0.077 |
| 11DS0301 | Soil                             | 0.8   | 33.6  | 5.4   | 78    | <0.1  | 19.0  | 15.5  | 569   | 4.33  | 19.6  | 0.8   | <0.5  | 3.4   | 19    | <0.1  | 0.3   | <0.1  | 87    | 0.38  | 0.080 |
| 11DS0302 | Soil                             | 0.9   | 48.9  | 8.4   | 50    | 0.2   | 25.8  | 9.9   | 338   | 2.24  | 10.7  | 1.3   | 2.0   | 8.4   | 73    | <0.1  | 0.5   | 0.1   | 48    | 4.32  | 0.058 |
| 11DS0303 | Soil                             | 2.6   | 17.4  | 16.2  | 35    | <0.1  | 7.9   | 8.1   | 516   | 2.04  | 7.5   | 2.2   | 1.9   | 23.8  | 13    | <0.1  | 0.2   | 0.2   | 10    | 0.12  | 0.026 |
| 11DS0304 | Soil                             | 1.8   | 22.3  | 14.0  | 67    | 0.1   | 8.8   | 10.8  | 566   | 2.94  | 7.2   | 2.4   | 2.9   | 13.5  | 14    | <0.1  | 0.3   | 0.1   | 23    | 0.32  | 0.076 |
| 11DS0305 | Soil                             | 2.8   | 80.5  | 101.0 | 287   | 0.7   | 15.0  | 12.3  | 506   | 3.18  | 18.3  | 2.7   | 2.5   | 17.1  | 16    | 0.9   | 0.7   | 4.2   | 23    | 0.22  | 0.035 |



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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0276 | Soil                             | 19    | 11    | 0.41  | 220   | 0.069 | <1    | 1.10  | 0.010 | 0.24  | <0.1  | <0.01 | 1.4   | 0.2   | 0.05  | 3     | <0.5  | <0.2  |
| 11DS0277 | Soil                             | 21    | 18    | 0.46  | 273   | 0.080 | 2     | 1.28  | 0.012 | 0.16  | <0.1  | <0.01 | 2.3   | 0.1   | <0.05 | 4     | 0.6   | <0.2  |
| 11DS0278 | Soil                             | 37    | 32    | 0.37  | 200   | 0.029 | <1    | 1.01  | 0.043 | 0.11  | <0.1  | 0.02  | 3.4   | 0.1   | 0.24  | 3     | 3.1   | 3.4   |
| 11DS0279 | Soil                             | 19    | 14    | 0.53  | 183   | 0.091 | 1     | 1.20  | 0.019 | 0.23  | <0.1  | <0.01 | 2.2   | 0.2   | 0.09  | 3     | 0.7   | 2.4   |
| 11DS0280 | Soil                             | 30    | 23    | 0.43  | 366   | 0.064 | <1    | 1.38  | 0.020 | 0.10  | <0.1  | 0.01  | 3.7   | <0.1  | <0.05 | 4     | <0.5  | 0.5   |
| 11DS0281 | Soil                             | 29    | 25    | 0.43  | 328   | 0.063 | <1    | 1.40  | 0.019 | 0.08  | <0.1  | <0.01 | 3.3   | <0.1  | <0.05 | 4     | <0.5  | 0.7   |
| 11DS0282 | Soil                             | 41    | 14    | 0.52  | 122   | 0.085 | 2     | 1.33  | 0.096 | 0.18  | <0.1  | 0.01  | 2.3   | <0.1  | 0.39  | 3     | 0.9   | 0.6   |
| 11DS0283 | Soil                             | 20    | 16    | 0.43  | 216   | 0.071 | <1    | 1.40  | 0.008 | 0.34  | <0.1  | 0.02  | 3.4   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0284 | Soil                             | 24    | 8     | 0.47  | 112   | 0.054 | <1    | 1.07  | 0.015 | 0.17  | <0.1  | 0.02  | 2.4   | 0.1   | <0.05 | 2     | <0.5  | <0.2  |
| 11DS0285 | Soil                             | 12    | 13    | 0.44  | 83    | 0.065 | <1    | 1.21  | 0.008 | 0.21  | <0.1  | <0.01 | 1.1   | 0.1   | <0.05 | 2     | 0.7   | <0.2  |
| 11DS0286 | Soil                             | 18    | 15    | 0.94  | 269   | 0.071 | 2     | 1.38  | 0.015 | 0.10  | 0.1   | 0.03  | 2.8   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0287 | Soil                             | 22    | 18    | 0.37  | 217   | 0.033 | 2     | 0.93  | 0.012 | 0.11  | 0.1   | 0.03  | 2.7   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| 11DS0288 | Soil                             | 40    | 11    | 0.42  | 248   | 0.031 | <1    | 0.99  | 0.012 | 0.15  | <0.1  | 0.03  | 2.4   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| 11DS0289 | Soil                             | 30    | 13    | 0.39  | 201   | 0.031 | <1    | 1.05  | 0.019 | 0.17  | <0.1  | 0.02  | 2.7   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0290 | Soil                             | 39    | 10    | 0.36  | 144   | 0.055 | <1    | 0.98  | 0.032 | 0.14  | <0.1  | 0.03  | 2.5   | 0.1   | 0.14  | 3     | 0.7   | 0.5   |
| 11DS0291 | Soil                             | 20    | 12    | 0.30  | 124   | 0.061 | <1    | 1.08  | 0.016 | 0.08  | <0.1  | 0.02  | 1.9   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| 11DS0292 | Soil                             | 19    | 10    | 0.23  | 182   | 0.030 | <1    | 1.02  | 0.034 | 0.10  | <0.1  | 0.03  | 1.0   | <0.1  | 0.10  | 3     | 0.8   | 0.3   |
| 11DS0293 | Soil                             | 52    | 7     | 0.11  | 175   | 0.021 | <1    | 0.58  | 0.098 | 0.20  | <0.1  | 0.02  | 1.4   | 0.1   | 0.62  | 2     | 4.6   | 8.6   |
| 11DS0294 | Soil                             | 45    | 14    | 0.35  | 227   | 0.075 | <1    | 1.02  | 0.058 | 0.19  | <0.1  | 0.02  | 2.1   | 0.2   | 0.47  | 3     | 4.3   | 7.8   |
| 11DS0295 | Soil                             | 55    | 8     | 0.26  | 188   | 0.016 | <1    | 1.07  | 0.006 | 0.09  | <0.1  | 0.02  | 2.5   | <0.1  | <0.05 | 2     | 0.8   | 0.5   |
| 11DS0296 | Soil                             | 6     | 14    | 0.35  | 346   | 0.039 | 2     | 1.14  | 0.011 | 0.20  | <0.1  | 0.01  | 1.7   | <0.1  | <0.05 | 4     | <0.5  | 0.3   |
| 11DS0297 | Soil                             | 12    | 13    | 0.78  | 522   | 0.077 | <1    | 1.80  | 0.006 | 0.56  | <0.1  | <0.01 | 1.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0298 | Soil                             | 9     | 13    | 1.78  | 284   | 0.131 | <1    | 2.43  | 0.014 | 0.59  | <0.1  | 0.01  | 5.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0299 | Soil                             | 10    | 58    | 1.64  | 230   | 0.103 | <1    | 1.79  | 0.019 | 0.31  | <0.1  | 0.02  | 4.3   | <0.1  | <0.05 | 6     | 1.0   | <0.2  |
| 11DS0300 | Soil                             | 17    | 29    | 1.42  | 327   | 0.132 | 2     | 2.60  | 0.010 | 0.87  | 0.1   | 0.02  | 7.7   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0301 | Soil                             | 17    | 27    | 1.47  | 348   | 0.129 | <1    | 2.62  | 0.010 | 0.85  | 0.1   | 0.02  | 7.0   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0302 | Soil                             | 35    | 25    | 0.64  | 280   | 0.068 | 2     | 1.12  | 0.017 | 0.14  | 0.2   | 0.06  | 3.3   | 0.1   | <0.05 | 4     | 0.8   | <0.2  |
| 11DS0303 | Soil                             | 43    | 8     | 0.25  | 170   | 0.010 | <1    | 0.79  | 0.008 | 0.14  | <0.1  | <0.01 | 2.7   | <0.1  | <0.05 | 2     | 0.7   | 0.2   |
| 11DS0304 | Soil                             | 35    | 8     | 0.63  | 312   | 0.053 | <1    | 1.32  | 0.010 | 0.25  | <0.1  | 0.02  | 2.1   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0305 | Soil                             | 48    | 18    | 0.19  | 289   | 0.018 | 2     | 0.99  | 0.010 | 0.12  | 0.1   | 0.03  | 3.1   | 0.1   | <0.05 | 3     | 1.1   | 0.3   |



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Project: Mariposa

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11TB0274 | Soil                             | 1.5        | 10.3       | 21.4       | 56       | 0.2        | 6.8        | 5.2        | 288      | 2.84      | 5.0        | 1.2        | <0.5       | 6.8        | 25       | <0.1       | 0.2        | 0.2        | 30       | 0.18      | 0.046      |
| 11TB0275 | Soil                             | 2.2        | 12.7       | 53.5       | 111      | 0.1        | 11.9       | 6.0        | 236      | 2.46      | 17.4       | 1.3        | 3.3        | 11.2       | 26       | <0.1       | 0.3        | 0.3        | 19       | 0.16      | 0.021      |
| 11TB0276 | Soil                             | 1.5        | 9.1        | 29.0       | 87       | 0.1        | 12.8       | 6.2        | 387      | 2.10      | 6.1        | 0.5        | <0.5       | 4.2        | 15       | 0.3        | 0.3        | 0.6        | 40       | 0.17      | 0.017      |
| 11TB0277 | Soil                             | 2.5        | 15.0       | 46.4       | 72       | 0.2        | 9.5        | 4.3        | 165      | 2.42      | 15.6       | 1.8        | <0.5       | 10.3       | 22       | 0.1        | 0.3        | 0.9        | 28       | 0.15      | 0.022      |
| 11TB0278 | Soil                             | 1.4        | 19.7       | 55.1       | 84       | 0.3        | 10.5       | 4.5        | 201      | 2.75      | 10.2       | 2.7        | 1.7        | 9.6        | 32       | <0.1       | 0.1        | 2.5        | 30       | 0.16      | 0.031      |
| 11TB0279 | Soil                             | 3.3        | 31.4       | 167.4      | 110      | 0.6        | 10.3       | 4.7        | 172      | 3.80      | 41.5       | 2.3        | 7.9        | 14.9       | 40       | 0.2        | 0.3        | 5.7        | 30       | 0.09      | 0.040      |
| 11TB0280 | Soil                             | 1.1        | 17.4       | 12.3       | 156      | 0.2        | 15.4       | 11.5       | 569      | 3.47      | 6.1        | 1.2        | 0.8        | 5.0        | 27       | 0.5        | 0.2        | 0.2        | 60       | 0.30      | 0.054      |
| 11TB0281 | Soil                             | 0.7        | 17.7       | 10.5       | 159      | 0.1        | 10.9       | 10.1       | 501      | 3.26      | 4.5        | 1.2        | 1.1        | 4.7        | 26       | 0.6        | 0.2        | 0.1        | 57       | 0.36      | 0.079      |
| 11TB0282 | Soil                             | 0.8        | 36.0       | 5.2        | 68       | <0.1       | 15.2       | 13.3       | 216      | 4.05      | 4.4        | 0.4        | <0.5       | 1.9        | 17       | <0.1       | 0.2        | <0.1       | 107      | 0.29      | 0.052      |
| 11TB0283 | Soil                             | 0.3        | 27.0       | 3.6        | 77       | <0.1       | 12.5       | 23.3       | 323      | 4.43      | 2.7        | 0.2        | <0.5       | 0.8        | 19       | <0.1       | 0.2        | <0.1       | 112      | 0.50      | 0.075      |
| 11TB0284 | Soil                             | 1.0        | 16.6       | 7.8        | 45       | <0.1       | 20.7       | 13.3       | 443      | 3.09      | 6.0        | 0.3        | <0.5       | 2.8        | 18       | <0.1       | 0.3        | 0.1        | 68       | 0.43      | 0.017      |
| 11TB0285 | Soil                             | 0.5        | 62.2       | 4.8        | 43       | <0.1       | 84.2       | 20.1       | 524      | 2.94      | 2.5        | 0.2        | 2.4        | 0.7        | 15       | <0.1       | 0.1        | <0.1       | 76       | 0.55      | 0.075      |
| 11TB0286 | Soil                             | 1.3        | 16.1       | 14.9       | 54       | <0.1       | 16.1       | 8.6        | 405      | 2.40      | 7.1        | 1.8        | 4.8        | 16.7       | 28       | 0.1        | 0.3        | 0.2        | 36       | 0.46      | 0.030      |
| 11TB0287 | Soil                             | 1.9        | 12.2       | 9.6        | 53       | 0.2        | 18.2       | 9.9        | 399      | 2.77      | 6.4        | 0.7        | 0.8        | 4.4        | 31       | <0.1       | 0.3        | 0.1        | 57       | 0.29      | 0.017      |
| 11TB0288 | Soil                             | 1.6        | 10.3       | 34.6       | 59       | 0.2        | 11.3       | 6.2        | 192      | 2.63      | 9.7        | 0.8        | 1.5        | 5.1        | 26       | 0.2        | 0.4        | 1.0        | 51       | 0.16      | 0.019      |
| 11TB0289 | Soil                             | 1.4        | 15.2       | 15.9       | 94       | 0.2        | 21.7       | 11.2       | 281      | 2.91      | 5.9        | 0.7        | <0.5       | 3.7        | 29       | 0.2        | 0.4        | 0.5        | 67       | 0.29      | 0.022      |
| 11TB0290 | Soil                             | 1.2        | 24.5       | 12.6       | 86       | 0.1        | 9.8        | 9.4        | 587      | 3.81      | 4.9        | 1.8        | <0.5       | 8.3        | 37       | <0.1       | 0.2        | 0.1        | 66       | 0.19      | 0.046      |
| 11TB0291 | Soil                             | 2.6        | 17.6       | 220.2      | 309      | 0.7        | 10.5       | 8.8        | 993      | 3.12      | 15.9       | 1.9        | 1.2        | 10.3       | 42       | 1.3        | 0.4        | 0.9        | 35       | 0.48      | 0.067      |
| 11TB0292 | Soil                             | 2.1        | 16.3       | 24.8       | 82       | 0.1        | 14.0       | 5.8        | 219      | 2.88      | 12.4       | 1.0        | 0.8        | 12.8       | 35       | 0.2        | 0.4        | 0.5        | 39       | 0.17      | 0.023      |
| 11TB0293 | Soil                             | 1.9        | 22.1       | 33.2       | 109      | 0.2        | 18.0       | 8.6        | 302      | 2.69      | 13.5       | 1.7        | 2.1        | 10.3       | 30       | 0.2        | 0.4        | 1.4        | 41       | 0.20      | 0.021      |
| 11TB0294 | Soil                             | 2.2        | 15.2       | 70.3       | 73       | 0.4        | 10.8       | 4.1        | 124      | 3.26      | 18.4       | 1.9        | 2.1        | 11.7       | 38       | <0.1       | 0.3        | 2.7        | 33       | 0.12      | 0.022      |
| 11TB0295 | Soil                             | 2.4        | 27.2       | 188.3      | 160      | 0.9        | 12.4       | 4.6        | 254      | 3.69      | 33.6       | 4.3        | 21.8       | 13.7       | 65       | 0.1        | 0.2        | 9.5        | 41       | 0.23      | 0.039      |
| 11TB0296 | Soil                             | 2.2        | 16.3       | 45.2       | 115      | 0.1        | 9.7        | 4.4        | 178      | 2.98      | 26.9       | 3.4        | 3.9        | 10.4       | 46       | 0.3        | 0.3        | 1.4        | 33       | 0.15      | 0.032      |
| 11TB0297 | Soil                             | 1.8        | 14.5       | 20.6       | 128      | 0.3        | 14.2       | 5.1        | 286      | 3.17      | 76.2       | 1.6        | <0.5       | 8.8        | 30       | 0.3        | 0.4        | 0.3        | 20       | 0.20      | 0.048      |
| 11TB0298 | Soil                             | 0.8        | 40.2       | 8.2        | 72       | <0.1       | 23.3       | 15.1       | 293      | 2.95      | 7.2        | 0.6        | <0.5       | 3.0        | 34       | 0.2        | 0.4        | 0.1        | 63       | 0.53      | 0.059      |
| 11TB0299 | Soil                             | 0.7        | 31.6       | 6.7        | 65       | <0.1       | 23.8       | 17.5       | 339      | 3.95      | 5.4        | 0.4        | 1.1        | 1.7        | 28       | 0.1        | 0.3        | 0.1        | 86       | 0.47      | 0.053      |
| 11TB0300 | Soil                             | 0.9        | 20.8       | 15.0       | 110      | 0.1        | 14.5       | 10.2       | 573      | 2.49      | 8.2        | 2.9        | 8.7        | 4.3        | 58       | 0.7        | 0.2        | 0.3        | 43       | 1.12      | 0.075      |
| 11TB0301 | Soil                             | 1.1        | 20.9       | 14.9       | 107      | 0.2        | 14.8       | 10.5       | 510      | 2.52      | 8.4        | 2.8        | 4.7        | 4.3        | 57       | 0.7        | 0.2        | 0.3        | 42       | 1.10      | 0.081      |
| 11TB0302 | Soil                             | 1.3        | 27.8       | 10.8       | 79       | 0.1        | 19.2       | 10.6       | 413      | 2.83      | 8.5        | 2.9        | 2.8        | 22.8       | 40       | 0.2        | 0.3        | 0.2        | 45       | 0.75      | 0.075      |
| 11TB0303 | Soil                             | 1.7        | 21.8       | 12.6       | 61       | <0.1       | 13.0       | 9.8        | 292      | 3.27      | 7.1        | 1.4        | 1.2        | 10.5       | 38       | <0.1       | 0.4        | 0.2        | 40       | 0.18      | 0.029      |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0274 | Soil                             | 21    | 13    | 0.26  | 154   | 0.037 | 1     | 1.07  | 0.014 | 0.19  | <0.1  | <0.01 | 1.5   | 0.1   | 0.17  | 4     | <0.5  | <0.2  |
| 11TB0275 | Soil                             | 27    | 15    | 0.30  | 113   | 0.018 | <1    | 1.02  | 0.030 | 0.10  | <0.1  | 0.02  | 2.0   | 0.1   | 0.18  | 2     | 1.4   | 0.3   |
| 11TB0276 | Soil                             | 10    | 19    | 0.29  | 220   | 0.024 | <1    | 0.99  | 0.008 | 0.09  | 0.1   | 0.01  | 1.5   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11TB0277 | Soil                             | 18    | 16    | 0.20  | 212   | 0.018 | 1     | 1.12  | 0.016 | 0.09  | <0.1  | 0.02  | 1.7   | <0.1  | <0.05 | 3     | 0.5   | 0.4   |
| 11TB0278 | Soil                             | 29    | 21    | 0.58  | 182   | 0.084 | <1    | 1.37  | 0.025 | 0.08  | <0.1  | 0.01  | 1.8   | <0.1  | 0.11  | 3     | 1.0   | 0.4   |
| 11TB0279 | Soil                             | 31    | 18    | 0.30  | 202   | 0.057 | <1    | 1.14  | 0.061 | 0.15  | <0.1  | 0.02  | 2.3   | 0.1   | 0.37  | 3     | 3.6   | 6.9   |
| 11TB0280 | Soil                             | 11    | 24    | 0.58  | 221   | 0.097 | <1    | 1.93  | 0.013 | 0.19  | <0.1  | 0.01  | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0281 | Soil                             | 11    | 20    | 0.64  | 208   | 0.105 | 1     | 1.73  | 0.020 | 0.25  | <0.1  | 0.01  | 3.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0282 | Soil                             | 5     | 22    | 1.27  | 353   | 0.230 | <1    | 2.41  | 0.012 | 0.59  | 0.1   | 0.02  | 5.3   | 0.2   | <0.05 | 7     | 0.5   | 0.2   |
| 11TB0283 | Soil                             | 2     | 14    | 1.93  | 282   | 0.287 | <1    | 2.68  | 0.010 | 0.89  | <0.1  | <0.01 | 2.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0284 | Soil                             | 7     | 35    | 0.69  | 182   | 0.110 | <1    | 1.70  | 0.012 | 0.33  | 0.1   | <0.01 | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0285 | Soil                             | 3     | 179   | 1.39  | 282   | 0.145 | 1     | 1.99  | 0.026 | 0.28  | <0.1  | 0.01  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0286 | Soil                             | 29    | 21    | 0.35  | 249   | 0.048 | 1     | 1.24  | 0.010 | 0.17  | 0.1   | 0.03  | 2.8   | 0.2   | <0.05 | 3     | <0.5  | <0.2  |
| 11TB0287 | Soil                             | 10    | 31    | 0.54  | 273   | 0.105 | 1     | 1.77  | 0.016 | 0.14  | 0.1   | 0.01  | 2.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0288 | Soil                             | 13    | 21    | 0.35  | 205   | 0.026 | <1    | 1.47  | 0.017 | 0.07  | <0.1  | 0.02  | 1.6   | <0.1  | 0.06  | 4     | <0.5  | 0.2   |
| 11TB0289 | Soil                             | 9     | 45    | 0.70  | 183   | 0.097 | <1    | 1.88  | 0.014 | 0.13  | 0.1   | 0.02  | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0290 | Soil                             | 21    | 16    | 1.03  | 349   | 0.206 | <1    | 2.13  | 0.018 | 0.80  | <0.1  | <0.01 | 2.9   | 0.4   | 0.12  | 6     | <0.5  | <0.2  |
| 11TB0291 | Soil                             | 17    | 16    | 0.42  | 237   | 0.068 | <1    | 1.53  | 0.025 | 0.14  | <0.1  | 0.04  | 3.0   | 0.2   | 0.10  | 5     | 0.9   | 0.2   |
| 11TB0292 | Soil                             | 31    | 22    | 0.37  | 181   | 0.049 | <1    | 1.20  | 0.068 | 0.11  | 0.1   | 0.01  | 2.3   | <0.1  | 0.24  | 4     | 1.6   | 0.3   |
| 11TB0293 | Soil                             | 23    | 26    | 0.39  | 298   | 0.051 | <1    | 1.31  | 0.024 | 0.10  | 0.1   | 0.01  | 3.4   | <0.1  | 0.06  | 4     | 0.9   | 0.2   |
| 11TB0294 | Soil                             | 23    | 19    | 0.24  | 210   | 0.035 | <1    | 1.35  | 0.030 | 0.07  | <0.1  | 0.01  | 2.3   | <0.1  | 0.10  | 4     | 2.1   | 0.4   |
| 11TB0295 | Soil                             | 28    | 26    | 0.55  | 209   | 0.122 | 1     | 1.72  | 0.037 | 0.11  | <0.1  | 0.02  | 3.3   | 0.3   | 0.12  | 5     | 2.7   | 7.0   |
| 11TB0296 | Soil                             | 25    | 17    | 0.36  | 229   | 0.081 | 1     | 1.40  | 0.027 | 0.09  | <0.1  | <0.01 | 2.1   | 0.1   | 0.06  | 4     | 1.5   | 0.8   |
| 11TB0297 | Soil                             | 22    | 10    | 0.25  | 249   | 0.040 | <1    | 0.97  | 0.016 | 0.24  | <0.1  | 0.02  | 2.5   | 0.2   | <0.05 | 4     | 0.5   | <0.2  |
| 11TB0298 | Soil                             | 10    | 30    | 0.96  | 201   | 0.147 | 2     | 1.84  | 0.025 | 0.20  | 0.1   | <0.01 | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0299 | Soil                             | 5     | 34    | 1.23  | 250   | 0.246 | <1    | 2.41  | 0.020 | 0.42  | 0.1   | 0.02  | 2.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0300 | Soil                             | 17    | 18    | 0.55  | 315   | 0.079 | 2     | 1.32  | 0.022 | 0.17  | 0.1   | 0.03  | 2.9   | 0.1   | <0.05 | 4     | 1.0   | <0.2  |
| 11TB0301 | Soil                             | 17    | 19    | 0.55  | 322   | 0.080 | 2     | 1.33  | 0.021 | 0.17  | 0.1   | 0.03  | 3.2   | <0.1  | <0.05 | 4     | 1.3   | <0.2  |
| 11TB0302 | Soil                             | 118   | 26    | 0.59  | 318   | 0.090 | 1     | 1.57  | 0.014 | 0.24  | <0.1  | 0.02  | 4.4   | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| 11TB0303 | Soil                             | 19    | 19    | 0.58  | 182   | 0.089 | <1    | 1.82  | 0.032 | 0.19  | 0.1   | 0.02  | 2.3   | 0.2   | 0.05  | 5     | <0.5  | <0.2  |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |       |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca   | P     |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %    | %     |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2    | 0.01  |
| 11TB0304 | Soil   |         |      |     | 2.0   | 16.8  | 10.5  | 57    | <0.1  | 17.2  | 9.4   | 316   | 3.04  | 6.7   | 1.3   | <0.5  | 7.8   | 38    | <0.1  | 0.5   | 0.1   | 49    | 0.27 | 0.036 |
| 11CB0255 | Soil   |         |      |     | 1.6   | 14.3  | 10.4  | 61    | <0.1  | 20.6  | 10.3  | 436   | 3.01  | 11.4  | 0.6   | 1.2   | 3.8   | 28    | 0.1   | 0.4   | 0.2   | 61    | 0.31 | 0.031 |
| 11CB0256 | Soil   |         |      |     | 1.5   | 20.4  | 11.2  | 63    | 0.1   | 21.6  | 10.7  | 585   | 2.99  | 72.0  | 1.2   | 1.1   | 5.5   | 29    | 0.1   | 0.3   | 0.2   | 53    | 0.35 | 0.041 |
| 11CB0257 | Soil   |         |      |     | 2.8   | 17.6  | 15.1  | 105   | 0.1   | 13.1  | 11.2  | 813   | 4.25  | 22.7  | 1.4   | <0.5  | 7.8   | 52    | <0.1  | 0.2   | 0.2   | 55    | 0.35 | 0.077 |
| 11CB0258 | Soil   |         |      |     | 2.6   | 23.1  | 21.0  | 115   | 0.2   | 10.2  | 6.3   | 580   | 3.29  | 22.0  | 3.8   | <0.5  | 13.2  | 70    | 0.3   | 0.3   | 0.5   | 28    | 0.23 | 0.043 |
| 11CB0259 | Soil   |         |      |     | 2.7   | 18.9  | 67.4  | 116   | 0.3   | 12.8  | 6.2   | 265   | 3.21  | 33.2  | 2.2   | 14.6  | 11.4  | 50    | 0.3   | 0.4   | 1.8   | 35    | 0.17 | 0.026 |
| 11CB0260 | Soil   |         |      |     | 2.2   | 22.7  | 38.2  | 118   | 0.3   | 14.7  | 5.7   | 177   | 3.00  | 11.9  | 2.6   | 1.1   | 8.2   | 39    | 0.4   | 0.3   | 1.3   | 41    | 0.24 | 0.031 |
| 11CB0261 | Soil   |         |      |     | 2.5   | 22.2  | 46.3  | 286   | 0.3   | 12.1  | 9.8   | 295   | 3.48  | 13.5  | 3.6   | 1.7   | 10.0  | 46    | 1.1   | 0.2   | 2.1   | 33    | 0.37 | 0.053 |
| 11CB0262 | Soil   |         |      |     | 2.9   | 21.1  | 48.1  | 291   | 0.3   | 12.2  | 10.7  | 335   | 3.50  | 13.4  | 3.6   | <0.5  | 9.8   | 48    | 1.1   | 0.2   | 2.2   | 31    | 0.36 | 0.051 |
| 11CB0263 | Soil   |         |      |     | 1.1   | 18.9  | 6.4   | 77    | <0.1  | 15.1  | 12.3  | 386   | 3.41  | 5.5   | 0.7   | <0.5  | 3.2   | 33    | 0.1   | 0.2   | 0.1   | 65    | 0.51 | 0.069 |
| 11CB0264 | Soil   |         |      |     | 0.8   | 25.1  | 8.1   | 59    | <0.1  | 16.7  | 12.7  | 281   | 2.97  | 5.7   | 0.9   | 0.7   | 5.4   | 26    | <0.1  | 0.3   | 0.1   | 62    | 0.53 | 0.081 |
| 11CB0265 | Soil   |         |      |     | 0.7   | 37.4  | 7.2   | 74    | <0.1  | 27.7  | 18.1  | 384   | 3.71  | 6.5   | 0.7   | <0.5  | 4.1   | 25    | <0.1  | 0.2   | 0.1   | 82    | 0.37 | 0.055 |
| 11CB0266 | Soil   |         |      |     | 0.6   | 26.4  | 4.6   | 86    | <0.1  | 17.1  | 12.8  | 554   | 4.02  | 3.9   | 0.7   | <0.5  | 3.3   | 20    | <0.1  | 0.1   | <0.1  | 88    | 0.36 | 0.056 |
| 11CB0267 | Soil   |         |      |     | 1.5   | 34.6  | 19.6  | 65    | <0.1  | 23.8  | 7.9   | 217   | 3.04  | 17.4  | 1.2   | <0.5  | 7.4   | 27    | <0.1  | 0.3   | 0.2   | 45    | 0.22 | 0.036 |
| 11CB0268 | Soil   |         |      |     | 1.6   | 28.2  | 15.1  | 69    | <0.1  | 26.9  | 11.6  | 413   | 3.20  | 28.9  | 1.3   | 2.1   | 20.1  | 28    | 0.1   | 0.5   | 0.1   | 54    | 0.40 | 0.043 |
| 11CB0269 | Soil   |         |      |     | 1.9   | 16.6  | 10.0  | 79    | <0.1  | 21.2  | 13.2  | 418   | 3.67  | 18.5  | 1.2   | <0.5  | 9.0   | 34    | <0.1  | 0.3   | <0.1  | 57    | 0.41 | 0.056 |
| 11CB0270 | Soil   |         |      |     | 1.5   | 74.6  | 10.8  | 144   | 0.3   | 16.7  | 19.6  | 736   | 4.02  | 2.6   | 1.2   | 4.3   | 7.3   | 26    | 0.2   | 0.1   | 1.2   | 45    | 0.56 | 0.124 |
| 11CB0271 | Soil   |         |      |     | 1.3   | 10.5  | 10.9  | 48    | <0.1  | 13.2  | 7.0   | 264   | 2.37  | 4.3   | 0.3   | 0.7   | 1.5   | 18    | <0.1  | 0.2   | 0.1   | 50    | 0.22 | 0.015 |
| 11CB0272 | Soil   |         |      |     | 1.7   | 12.3  | 12.0  | 60    | <0.1  | 15.0  | 7.2   | 267   | 2.33  | 5.7   | 0.8   | <0.5  | 4.3   | 20    | <0.1  | 0.3   | 0.1   | 39    | 0.29 | 0.023 |
| 11CB0273 | Soil   |         |      |     | 2.9   | 19.3  | 12.8  | 83    | 0.2   | 13.8  | 6.9   | 596   | 2.32  | 37.6  | 2.5   | 2.9   | 8.4   | 52    | 0.2   | 0.3   | 0.1   | 20    | 0.90 | 0.073 |
| 11CB0274 | Soil   |         |      |     | 2.6   | 19.1  | 12.2  | 85    | 0.2   | 13.3  | 7.0   | 575   | 2.30  | 32.2  | 2.7   | 2.7   | 7.1   | 63    | 0.3   | 0.3   | 0.1   | 20    | 1.10 | 0.076 |
| 11CB0275 | Soil   |         |      |     | 1.0   | 28.1  | 14.0  | 67    | 0.2   | 20.8  | 11.0  | 386   | 2.60  | 8.4   | 1.8   | 5.2   | 5.8   | 35    | 0.1   | 0.5   | 0.3   | 53    | 0.55 | 0.085 |
| 11CB0276 | Soil   |         |      |     | 1.5   | 14.0  | 26.8  | 80    | 0.2   | 12.0  | 7.5   | 253   | 2.67  | 10.9  | 1.7   | 2.7   | 6.3   | 30    | 0.3   | 0.3   | 0.7   | 44    | 0.24 | 0.064 |
| 11CB0277 | Soil   |         |      |     | 1.1   | 20.2  | 18.3  | 87    | 0.1   | 14.0  | 13.8  | 604   | 3.76  | 8.9   | 1.1   | 1.6   | 5.8   | 30    | <0.1  | 0.4   | 0.2   | 45    | 0.39 | 0.074 |
| 11CB0278 | Soil   |         |      |     | 1.1   | 19.0  | 11.7  | 82    | 0.1   | 12.7  | 13.8  | 773   | 4.00  | 6.5   | 0.9   | 0.7   | 5.4   | 25    | 0.1   | 0.3   | 0.2   | 48    | 0.25 | 0.057 |
| 11CB0279 | Soil   |         |      |     | 1.1   | 14.7  | 9.5   | 82    | <0.1  | 9.5   | 11.6  | 534   | 3.99  | 4.3   | 0.9   | 0.7   | 5.4   | 23    | <0.1  | 0.2   | 0.1   | 47    | 0.31 | 0.074 |
| 11CB0280 | Soil   |         |      |     | 0.9   | 20.6  | 10.6  | 65    | <0.1  | 18.2  | 11.9  | 317   | 3.01  | 4.6   | 1.6   | 1.3   | 15.4  | 26    | <0.1  | 0.2   | 0.1   | 47    | 0.30 | 0.054 |
| 11CB0281 | Soil   |         |      |     | 1.2   | 30.0  | 7.4   | 89    | <0.1  | 15.2  | 16.6  | 607   | 4.69  | 7.2   | 1.0   | <0.5  | 5.2   | 21    | 0.1   | 0.2   | <0.1  | 89    | 0.46 | 0.157 |
| 11CB0282 | Soil   |         |      |     | 0.8   | 30.2  | 5.9   | 83    | 0.1   | 31.4  | 22.1  | 440   | 3.61  | 4.7   | 0.2   | 0.6   | 1.2   | 36    | <0.1  | 0.3   | <0.1  | 76    | 0.65 | 0.098 |
| 11CB0283 | Soil   |         |      |     | 0.5   | 54.4  | 4.6   | 99    | <0.1  | 32.1  | 27.7  | 575   | 3.94  | 4.8   | 0.4   | 1.6   | 2.4   | 31    | <0.1  | 0.2   | <0.1  | 72    | 0.86 | 0.094 |





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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0304 | Soil                             | 16    | 27    | 0.62  | 291   | 0.101 | <1    | 1.69  | 0.022 | 0.19  | <0.1  | <0.01 | 2.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0255 | Soil                             | 11    | 34    | 0.62  | 224   | 0.125 | 1     | 1.99  | 0.014 | 0.19  | 0.1   | <0.01 | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0256 | Soil                             | 20    | 31    | 0.63  | 315   | 0.108 | 1     | 1.77  | 0.021 | 0.18  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0257 | Soil                             | 21    | 18    | 1.06  | 341   | 0.176 | <1    | 1.96  | 0.032 | 0.62  | 0.1   | <0.01 | 2.4   | 0.4   | 0.13  | 5     | <0.5  | 0.2   |
| 11CB0258 | Soil                             | 20    | 15    | 0.55  | 155   | 0.133 | <1    | 1.72  | 0.024 | 0.17  | <0.1  | 0.02  | 1.8   | 0.2   | 0.13  | 5     | <0.5  | 0.6   |
| 11CB0259 | Soil                             | 26    | 21    | 0.36  | 166   | 0.063 | <1    | 1.26  | 0.035 | 0.10  | <0.1  | 0.01  | 2.6   | <0.1  | 0.09  | 4     | 0.7   | 3.1   |
| 11CB0260 | Soil                             | 20    | 22    | 0.41  | 239   | 0.069 | <1    | 1.63  | 0.026 | 0.10  | <0.1  | 0.03  | 3.1   | <0.1  | <0.05 | 4     | 0.8   | 0.4   |
| 11CB0261 | Soil                             | 33    | 13    | 0.51  | 248   | 0.090 | <1    | 1.82  | 0.023 | 0.31  | <0.1  | <0.01 | 2.5   | 0.2   | 0.06  | 5     | 1.1   | 0.4   |
| 11CB0262 | Soil                             | 33    | 13    | 0.48  | 250   | 0.086 | <1    | 1.75  | 0.023 | 0.31  | <0.1  | <0.01 | 2.3   | 0.2   | <0.05 | 5     | 1.3   | 0.4   |
| 11CB0263 | Soil                             | 11    | 19    | 1.04  | 334   | 0.200 | <1    | 2.02  | 0.017 | 0.48  | 0.2   | <0.01 | 2.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0264 | Soil                             | 14    | 24    | 0.93  | 260   | 0.154 | <1    | 1.97  | 0.019 | 0.28  | <0.1  | <0.01 | 2.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0265 | Soil                             | 15    | 53    | 1.28  | 218   | 0.173 | <1    | 2.40  | 0.019 | 0.32  | <0.1  | 0.01  | 4.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0266 | Soil                             | 7     | 29    | 1.93  | 470   | 0.249 | <1    | 2.86  | 0.018 | 1.03  | <0.1  | <0.01 | 5.4   | 0.3   | <0.05 | 11    | <0.5  | <0.2  |
| 11CB0267 | Soil                             | 15    | 24    | 0.65  | 169   | 0.095 | <1    | 1.69  | 0.017 | 0.26  | <0.1  | <0.01 | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0268 | Soil                             | 49    | 35    | 0.71  | 208   | 0.074 | <1    | 1.82  | 0.015 | 0.20  | <0.1  | 0.03  | 5.8   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0269 | Soil                             | 12    | 29    | 0.89  | 237   | 0.109 | <1    | 1.92  | 0.022 | 0.30  | <0.1  | 0.01  | 3.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0270 | Soil                             | 29    | 23    | 1.16  | 203   | 0.160 | 1     | 1.86  | 0.008 | 0.85  | <0.1  | 0.01  | 1.9   | 0.6   | <0.05 | 6     | 0.7   | 0.5   |
| 11CB0271 | Soil                             | 6     | 22    | 0.51  | 203   | 0.063 | <1    | 1.64  | 0.010 | 0.17  | <0.1  | <0.01 | 1.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0272 | Soil                             | 11    | 22    | 0.63  | 365   | 0.042 | 1     | 1.66  | 0.010 | 0.19  | <0.1  | 0.02  | 3.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0273 | Soil                             | 37    | 13    | 0.54  | 274   | 0.040 | 2     | 1.09  | 0.009 | 0.23  | <0.1  | 0.02  | 2.2   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0274 | Soil                             | 36    | 12    | 0.52  | 302   | 0.042 | 3     | 1.10  | 0.011 | 0.22  | <0.1  | 0.02  | 2.1   | 0.1   | 0.06  | 4     | 0.8   | <0.2  |
| 11CB0275 | Soil                             | 21    | 27    | 0.54  | 255   | 0.089 | 2     | 1.48  | 0.026 | 0.09  | 0.2   | 0.03  | 4.0   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11CB0276 | Soil                             | 18    | 20    | 0.41  | 165   | 0.076 | 1     | 1.49  | 0.018 | 0.09  | 0.2   | 0.02  | 2.2   | 0.1   | 0.07  | 5     | <0.5  | 0.5   |
| 11CB0277 | Soil                             | 15    | 22    | 0.71  | 379   | 0.101 | 1     | 1.90  | 0.014 | 0.23  | 0.1   | <0.01 | 2.9   | 0.2   | <0.05 | 6     | <0.5  | 0.2   |
| 11CB0278 | Soil                             | 16    | 21    | 0.75  | 468   | 0.121 | 1     | 2.05  | 0.016 | 0.36  | <0.1  | <0.01 | 2.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0279 | Soil                             | 19    | 16    | 0.87  | 361   | 0.134 | <1    | 2.14  | 0.010 | 0.59  | 0.1   | 0.01  | 2.3   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0280 | Soil                             | 55    | 36    | 0.81  | 197   | 0.115 | <1    | 1.97  | 0.012 | 0.29  | <0.1  | <0.01 | 2.6   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0281 | Soil                             | 14    | 21    | 1.01  | 386   | 0.122 | 1     | 2.40  | 0.010 | 0.53  | 0.1   | <0.01 | 6.3   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0282 | Soil                             | 4     | 62    | 1.74  | 276   | 0.190 | 1     | 2.69  | 0.023 | 0.31  | <0.1  | 0.01  | 3.0   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0283 | Soil                             | 8     | 41    | 1.85  | 188   | 0.173 | 2     | 2.45  | 0.015 | 0.42  | <0.1  | 0.01  | 5.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
| 11CB0284 | Soil                             | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB0285 | Soil                             | 1.4   | 26.0  | 13.2  | 69    | <0.1  | 33.4  | 11.3  | 415   | 3.44  | 21.5  | 1.0   | 3.0   | 7.8   | 27    | 0.2   | 0.5   | 0.2   | 62    | 0.48  |
| 11CB0286 | Soil                             | 0.8   | 19.4  | 18.4  | 68    | <0.1  | 13.6  | 6.6   | 284   | 2.41  | 12.4  | 1.2   | 1.3   | 28.8  | 19    | <0.1  | 0.2   | 0.2   | 21    | 0.34  |
| 11CB0287 | Soil                             | 2.8   | 18.5  | 13.9  | 52    | <0.1  | 8.4   | 11.5  | 583   | 3.44  | 26.0  | 2.0   | 3.4   | 17.6  | 78    | <0.1  | 0.4   | <0.1  | 13    | 0.22  |
| 11CB0287 | Soil                             | 3.6   | 27.5  | 68.5  | 178   | 0.3   | 9.2   | 5.8   | 317   | 2.63  | 22.9  | 1.9   | 10.3  | 14.3  | 14    | 0.4   | 0.3   | 3.7   | 14    | 0.17  |
| 11NG0284 | Soil                             | 3.1   | 18.1  | 122.4 | 415   | 0.3   | 6.3   | 10.5  | 1293  | 3.48  | 56.9  | 6.2   | 8.7   | 21.6  | 41    | 1.0   | 0.3   | 1.2   | 16    | 0.12  |
| 11NG0285 | Soil                             | 4.9   | 6.4   | 51.7  | 33    | 0.1   | 4.6   | 4.3   | 104   | 4.10  | 45.7  | 2.5   | 4.5   | 19.5  | 68    | <0.1  | 0.1   | 0.8   | 9     | 0.09  |
| 11NG0286 | Soil                             | 0.5   | 22.4  | 14.0  | 1474  | <0.1  | 22.2  | 20.2  | 1316  | 5.09  | 3.9   | 4.9   | 1.2   | 6.1   | 29    | 0.8   | 0.3   | 0.2   | 74    | 0.31  |
| 11NG0287 | Soil                             | 0.7   | 12.6  | 10.8  | 72    | 0.1   | 8.5   | 8.5   | 416   | 3.18  | 7.3   | 1.0   | <0.5  | 4.6   | 40    | <0.1  | 0.2   | 0.1   | 35    | 0.24  |
| 11NG0288 | Soil                             | 0.8   | 27.3  | 8.7   | 176   | <0.1  | 126.1 | 21.0  | 434   | 3.88  | 5.8   | 1.3   | 0.7   | 8.5   | 66    | 0.1   | 0.3   | 0.1   | 63    | 0.55  |
| 11NG0289 | Soil                             | 0.9   | 113.5 | 4.5   | 58    | 0.4   | 9.5   | 18.2  | 1382  | 3.53  | 4.4   | 0.4   | 1.8   | 0.4   | 66    | 0.2   | 0.2   | <0.1  | 68    | 7.72  |
| 11NG0290 | Soil                             | 0.4   | 51.6  | 4.4   | 79    | <0.1  | 15.2  | 23.3  | 726   | 4.20  | 5.1   | 0.3   | 2.3   | 1.8   | 23    | <0.1  | 0.3   | <0.1  | 94    | 0.73  |
| 11NG0291 | Soil                             | 0.5   | 31.2  | 4.3   | 82    | <0.1  | 14.2  | 19.8  | 327   | 2.95  | 3.4   | 0.2   | 0.7   | 1.1   | 37    | <0.1  | 0.2   | <0.1  | 60    | 0.97  |
| 11NG0292 | Soil                             | 1.7   | 52.2  | 13.7  | 89    | 0.1   | 28.0  | 18.2  | 688   | 3.84  | 15.2  | 0.8   | 3.6   | 4.5   | 41    | 0.1   | 0.5   | 0.1   | 92    | 1.13  |
| 11NG0293 | Soil                             | 2.1   | 39.0  | 14.6  | 67    | 0.1   | 35.1  | 12.5  | 493   | 3.25  | 20.7  | 0.8   | 2.4   | 7.1   | 33    | 0.1   | 0.7   | 0.2   | 64    | 0.51  |
| 11NG0294 | Soil                             | 1.7   | 15.9  | 22.4  | 52    | 0.1   | 11.4  | 9.3   | 534   | 2.50  | 5.6   | 1.7   | <0.5  | 17.7  | 40    | <0.1  | 0.3   | 0.2   | 38    | 0.56  |
| 11NG0295 | Soil                             | 2.8   | 12.8  | 41.4  | 44    | 0.1   | 9.5   | 4.2   | 134   | 3.03  | 12.9  | 2.7   | 1.3   | 10.4  | 64    | 0.2   | 0.3   | 0.8   | 34    | 0.11  |
| 11NG0296 | Soil                             | 1.6   | 11.9  | 165.8 | 93    | 0.6   | 7.1   | 3.0   | 95    | 4.69  | 59.9  | 2.1   | 3.1   | 20.4  | 66    | <0.1  | 0.2   | 12.0  | 22    | 0.10  |
| 11NG0297 | Soil                             | 2.3   | 22.6  | 101.8 | 121   | 0.3   | 13.0  | 5.4   | 367   | 4.22  | 63.2  | 2.3   | 2.7   | 12.7  | 53    | 0.2   | 0.4   | 2.3   | 36    | 0.15  |
| 11NG0298 | Soil                             | 6.2   | 16.0  | 492.1 | 242   | 1.4   | 4.6   | 4.3   | 197   | 4.14  | 66.2  | 2.2   | 16.5  | 20.1  | 38    | 0.2   | 0.5   | 5.4   | 15    | 0.06  |
| 11NG0299 | Soil                             | 0.9   | 18.7  | 13.7  | 167   | <0.1  | 17.6  | 11.8  | 434   | 3.03  | 7.0   | 1.2   | 0.6   | 13.8  | 26    | 0.4   | 0.3   | 0.2   | 54    | 0.33  |
| 11NG0300 | Soil                             | 1.4   | 17.7  | 15.1  | 71    | 0.2   | 20.9  | 12.2  | 543   | 3.10  | 11.6  | 1.7   | 1.1   | 14.1  | 30    | 0.2   | 0.3   | 0.2   | 59    | 0.45  |
| 11NG0301 | Soil                             | 1.4   | 15.4  | 15.9  | 77    | 0.2   | 19.3  | 11.3  | 857   | 2.90  | 9.8   | 1.2   | 2.6   | 9.8   | 47    | 0.3   | 0.3   | 0.2   | 55    | 0.89  |
| 11NG0302 | Soil                             | 0.8   | 18.0  | 7.2   | 66    | <0.1  | 16.4  | 9.6   | 257   | 3.19  | 4.0   | 0.6   | 2.0   | 2.8   | 17    | <0.1  | 0.2   | 0.1   | 64    | 0.28  |
| 11NG0303 | Soil                             | 0.2   | 51.7  | 1.6   | 73    | <0.1  | 10.9  | 20.6  | 664   | 3.59  | 2.5   | 0.2   | 0.8   | 0.6   | 33    | <0.1  | <0.1  | <0.1  | 86    | 0.68  |
| 11NG0304 | Soil                             | 0.3   | 72.8  | 3.6   | 113   | <0.1  | 18.1  | 30.2  | 516   | 4.33  | 4.7   | 0.3   | 0.8   | 1.2   | 26    | <0.1  | 0.2   | <0.1  | 87    | 0.91  |
| 11NG0305 | Soil                             | 1.8   | 51.6  | 8.1   | 116   | 0.1   | 22.4  | 20.6  | 532   | 4.43  | 10.6  | 0.9   | 4.6   | 4.0   | 25    | <0.1  | 0.4   | 0.1   | 125   | 0.67  |
| 11NG0306 | Soil                             | 1.1   | 33.0  | 14.8  | 83    | 0.2   | 20.0  | 14.5  | 638   | 3.41  | 11.3  | 1.4   | 3.6   | 3.7   | 57    | 0.2   | 0.3   | 0.3   | 65    | 1.26  |
| 11NG0307 | Soil                             | 1.7   | 23.4  | 20.8  | 81    | 0.1   | 17.1  | 10.9  | 393   | 2.99  | 15.0  | 2.0   | 1.9   | 14.0  | 33    | 0.3   | 0.4   | 0.2   | 50    | 0.58  |
| 11NG0308 | Soil                             | 2.1   | 14.8  | 32.3  | 106   | 0.2   | 7.9   | 5.2   | 328   | 2.84  | 15.8  | 0.9   | 1.0   | 7.3   | 23    | 0.2   | 0.3   | 0.4   | 36    | 0.24  |
| 11NG0309 | Soil                             | 3.0   | 28.5  | 74.0  | 225   | 0.4   | 6.0   | 6.8   | 595   | 3.69  | 23.2  | 2.9   | 14.6  | 18.0  | 25    | 0.4   | 0.2   | 2.2   | 20    | 0.16  |



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**Project:** Mariposa  
**Report Date:** July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0284 | Soil                             | 14    | 38    | 0.62  | 226   | 0.071 | 2     | 1.94  | 0.014 | 0.14  | 0.1   | 0.02  | 6.8   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0285 | Soil                             | 64    | 12    | 0.35  | 198   | 0.021 | 2     | 1.27  | 0.008 | 0.22  | <0.1  | 0.02  | 3.5   | 0.2   | <0.05 | 4     | 0.6   | <0.2  |
| 11CB0286 | Soil                             | 47    | 6     | 0.32  | 166   | 0.009 | <1    | 0.94  | 0.034 | 0.13  | <0.1  | 0.02  | 1.6   | <0.1  | 0.17  | 2     | <0.5  | <0.2  |
| 11CB0287 | Soil                             | 44    | 11    | 0.16  | 263   | 0.009 | <1    | 0.81  | 0.008 | 0.11  | <0.1  | 0.02  | 3.7   | <0.1  | <0.05 | 2     | 0.8   | 0.3   |
| 11NG0284 | Soil                             | 28    | 8     | 0.20  | 161   | 0.048 | <1    | 1.00  | 0.024 | 0.07  | <0.1  | 0.02  | 2.7   | 0.1   | 0.09  | 2     | 3.7   | 3.1   |
| 11NG0285 | Soil                             | 41    | 6     | 0.09  | 218   | 0.006 | <1    | 0.47  | 0.167 | 0.17  | <0.1  | 0.01  | 1.4   | <0.1  | 0.69  | 1     | 0.8   | 0.7   |
| 11NG0286 | Soil                             | 51    | 27    | 0.61  | 198   | 0.053 | <1    | 2.22  | 0.011 | 0.33  | <0.1  | 0.02  | 14.3  | 0.2   | <0.05 | 6     | 1.5   | <0.2  |
| 11NG0287 | Soil                             | 11    | 14    | 0.75  | 260   | 0.138 | <1    | 1.91  | 0.035 | 0.37  | <0.1  | <0.01 | 1.7   | 0.3   | 0.12  | 5     | 0.6   | 0.7   |
| 11NG0288 | Soil                             | 43    | 138   | 1.21  | 753   | 0.053 | 2     | 2.04  | 0.010 | 0.18  | <0.1  | 0.01  | 7.7   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0289 | Soil                             | 4     | 7     | 1.24  | 237   | 0.097 | 1     | 1.74  | 0.015 | 0.35  | <0.1  | 0.04  | 3.4   | <0.1  | 0.06  | 4     | 0.5   | <0.2  |
| 11NG0290 | Soil                             | 8     | 17    | 1.63  | 352   | 0.152 | 2     | 2.38  | 0.020 | 0.48  | <0.1  | 0.02  | 6.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0291 | Soil                             | 4     | 14    | 1.66  | 213   | 0.164 | 2     | 2.22  | 0.020 | 0.74  | <0.1  | <0.01 | 3.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0292 | Soil                             | 20    | 27    | 1.21  | 286   | 0.168 | 2     | 2.08  | 0.024 | 0.48  | 0.2   | 0.03  | 6.8   | 0.2   | <0.05 | 6     | 0.5   | <0.2  |
| 11NG0293 | Soil                             | 22    | 39    | 0.66  | 228   | 0.105 | 2     | 1.75  | 0.024 | 0.16  | 0.1   | 0.04  | 6.0   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11NG0294 | Soil                             | 42    | 17    | 0.39  | 359   | 0.034 | 2     | 1.46  | 0.014 | 0.26  | <0.1  | 0.02  | 2.5   | 0.1   | <0.05 | 4     | 0.5   | <0.2  |
| 11NG0295 | Soil                             | 31    | 16    | 0.22  | 261   | 0.033 | <1    | 1.68  | 0.126 | 0.10  | <0.1  | <0.01 | 2.0   | <0.1  | 0.44  | 5     | 0.6   | <0.2  |
| 11NG0296 | Soil                             | 45    | 13    | 0.19  | 130   | 0.033 | <1    | 0.95  | 0.270 | 0.21  | <0.1  | 0.02  | 2.3   | <0.1  | 1.12  | 4     | 1.9   | 2.1   |
| 11NG0297 | Soil                             | 21    | 19    | 0.56  | 169   | 0.129 | 1     | 2.02  | 0.042 | 0.17  | <0.1  | 0.02  | 2.4   | 0.2   | 0.21  | 5     | 3.7   | 2.6   |
| 11NG0298 | Soil                             | 35    | 8     | 0.11  | 166   | 0.018 | <1    | 0.83  | 0.066 | 0.23  | <0.1  | 0.02  | 1.6   | 0.2   | 0.58  | 2     | 7.8   | 13.4  |
| 11NG0299 | Soil                             | 27    | 28    | 0.66  | 239   | 0.133 | 1     | 1.81  | 0.011 | 0.42  | <0.1  | 0.01  | 3.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0300 | Soil                             | 19    | 31    | 0.51  | 269   | 0.126 | 1     | 1.76  | 0.013 | 0.36  | 0.1   | 0.01  | 3.8   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0301 | Soil                             | 17    | 29    | 0.49  | 373   | 0.084 | 4     | 1.58  | 0.011 | 0.29  | 0.1   | 0.02  | 3.1   | 0.2   | 0.08  | 5     | 0.7   | <0.2  |
| 11NG0302 | Soil                             | 7     | 26    | 0.84  | 253   | 0.128 | 3     | 1.81  | 0.010 | 0.48  | <0.1  | 0.02  | 2.5   | 0.2   | 0.06  | 6     | <0.5  | <0.2  |
| 11NG0303 | Soil                             | 3     | 6     | 2.15  | 287   | 0.210 | 4     | 2.47  | 0.014 | 0.74  | <0.1  | <0.01 | 2.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0304 | Soil                             | 5     | 14    | 2.47  | 317   | 0.204 | 2     | 3.13  | 0.019 | 1.07  | <0.1  | <0.01 | 5.9   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0305 | Soil                             | 17    | 25    | 1.69  | 296   | 0.186 | 3     | 2.38  | 0.019 | 0.75  | 0.2   | 0.05  | 8.7   | 0.5   | <0.05 | 9     | 0.7   | <0.2  |
| 11NG0306 | Soil                             | 17    | 22    | 0.81  | 419   | 0.089 | 2     | 1.77  | 0.020 | 0.30  | 0.1   | 0.03  | 4.5   | 0.1   | 0.05  | 5     | 0.8   | 0.2   |
| 11NG0307 | Soil                             | 28    | 21    | 0.55  | 275   | 0.069 | 3     | 1.45  | 0.016 | 0.24  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 4     | 0.7   | <0.2  |
| 11NG0308 | Soil                             | 18    | 14    | 0.24  | 158   | 0.021 | 2     | 1.22  | 0.009 | 0.15  | <0.1  | 0.02  | 1.6   | <0.1  | <0.05 | 4     | 0.9   | 0.4   |
| 11NG0309 | Soil                             | 35    | 6     | 0.23  | 246   | 0.013 | 2     | 1.10  | 0.016 | 0.12  | <0.1  | 0.03  | 3.7   | 0.2   | 0.14  | 3     | 1.9   | 1.6   |



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Project: Mariposa  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11NG0310 | Soil                             | 2.8   | 37.3  | 77.6  | 238   | 0.4   | 5.9   | 8.7   | 701   | 3.48  | 29.2  | 4.2   | 7.0   | 18.4  | 33    | 0.5   | 0.3   | 3.7   | 9     | 0.16  | 0.040 |
| 11NG0311 | Soil                             | 2.3   | 19.6  | 47.6  | 135   | 0.2   | 10.4  | 6.3   | 337   | 2.72  | 20.1  | 2.0   | 3.1   | 10.9  | 26    | 0.2   | 0.4   | 2.5   | 27    | 0.21  | 0.024 |
| 11NG0312 | Soil                             | 1.2   | 20.8  | 15.2  | 107   | 0.1   | 10.1  | 9.2   | 580   | 3.81  | 9.3   | 2.2   | 2.9   | 10.1  | 37    | 0.2   | 0.2   | 0.3   | 30    | 0.37  | 0.053 |
| 11NG0313 | Soil                             | 2.9   | 18.0  | 13.4  | 114   | 0.2   | 7.8   | 8.6   | 520   | 3.07  | 5.4   | 2.7   | 3.5   | 12.5  | 34    | 0.4   | 0.2   | 0.2   | 23    | 0.51  | 0.066 |
| 11NG0314 | Soil                             | 2.6   | 21.0  | 98.8  | 99    | 0.3   | 14.1  | 11.3  | 577   | 2.86  | 16.8  | 3.9   | 4.7   | 10.4  | 39    | 0.3   | 0.3   | 1.3   | 30    | 0.60  | 0.060 |
| 11NG0315 | Soil                             | 0.9   | 26.7  | 5.8   | 100   | <0.1  | 19.8  | 13.9  | 629   | 3.68  | 7.3   | 0.9   | 0.9   | 6.1   | 31    | <0.1  | 0.2   | <0.1  | 83    | 0.72  | 0.135 |
| 11NG0316 | Soil                             | 1.9   | 30.7  | 14.6  | 99    | <0.1  | 55.4  | 15.2  | 575   | 3.84  | 13.7  | 1.6   | 3.4   | 11.9  | 37    | <0.1  | 0.4   | 0.2   | 61    | 0.50  | 0.098 |
| 11NG0317 | Soil                             | 0.3   | 55.3  | 4.4   | 107   | <0.1  | 42.8  | 28.3  | 463   | 4.28  | 4.1   | 0.3   | 2.4   | 2.1   | 48    | <0.1  | 0.2   | <0.1  | 76    | 1.93  | 0.184 |
| 11NG0318 | Soil                             | 7.7   | 19.2  | 18.4  | 80    | 0.1   | 23.6  | 11.3  | 549   | 3.56  | 11.0  | 1.7   | 0.8   | 14.0  | 23    | 0.1   | 0.4   | 0.5   | 44    | 0.48  | 0.030 |
| 11NG0319 | Soil                             | 2.0   | 26.4  | 80.3  | 141   | 0.4   | 11.3  | 6.0   | 282   | 3.05  | 39.3  | 5.8   | 9.8   | 16.6  | 46    | 0.3   | 0.2   | 5.5   | 23    | 0.21  | 0.032 |



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**Project:** Mariposa  
**Report Date:** July 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000450.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0310 | Soil                             | 47    | 4     | 0.10  | 320   | 0.004 | 1     | 0.67  | 0.017 | 0.14  | <0.1  | 0.02  | 4.0   | <0.1  | 0.16  | 2     | 1.7   | 1.4   |
| 11NG0311 | Soil                             | 28    | 17    | 0.25  | 320   | 0.021 | 3     | 1.13  | 0.015 | 0.11  | <0.1  | 0.02  | 2.6   | <0.1  | 0.05  | 3     | 1.0   | 0.6   |
| 11NG0312 | Soil                             | 31    | 19    | 0.80  | 344   | 0.108 | 2     | 1.77  | 0.033 | 0.21  | <0.1  | 0.02  | 3.0   | 0.1   | 0.06  | 5     | 0.8   | 0.3   |
| 11NG0313 | Soil                             | 32    | 10    | 0.58  | 155   | 0.093 | 2     | 1.43  | 0.026 | 0.26  | <0.1  | 0.02  | 2.3   | 0.2   | <0.05 | 4     | 1.0   | 0.3   |
| 11NG0314 | Soil                             | 27    | 19    | 0.39  | 275   | 0.050 | 1     | 1.42  | 0.018 | 0.11  | 0.1   | 0.04  | 3.6   | 0.1   | 0.09  | 4     | 0.9   | 1.4   |
| 11NG0315 | Soil                             | 14    | 35    | 1.38  | 416   | 0.204 | 4     | 2.25  | 0.012 | 0.87  | 0.1   | <0.01 | 4.1   | 0.3   | <0.05 | 8     | 0.9   | <0.2  |
| 11NG0316 | Soil                             | 44    | 68    | 1.30  | 531   | 0.149 | 5     | 2.36  | 0.015 | 0.24  | <0.1  | 0.04  | 5.3   | 0.2   | <0.05 | 8     | 0.7   | <0.2  |
| 11NG0317 | Soil                             | 11    | 46    | 2.82  | 114   | 0.150 | 3     | 2.77  | 0.011 | 0.35  | <0.1  | 0.02  | 6.5   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0318 | Soil                             | 27    | 24    | 0.58  | 305   | 0.048 | 2     | 1.69  | 0.011 | 0.39  | <0.1  | 0.01  | 4.4   | 0.2   | <0.05 | 5     | 0.7   | <0.2  |
| 11NG0319 | Soil                             | 33    | 13    | 0.30  | 188   | 0.061 | 2     | 1.04  | 0.048 | 0.14  | <0.1  | 0.03  | 2.6   | <0.1  | 0.18  | 3     | 0.9   | 2.1   |



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Project: Mariposa  
Report Date: July 16, 2011

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## QUALITY CONTROL REPORT

WHI11000450.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|-----------------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|                 |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| Pulp Duplicates |                                  |                  |                  |                  |                |                  |                  |                  |                |                 |                  |                 |                  |                  |                |                  |                  |                  |               |                 |                 |
| 11DS0236        | Soil                             | 0.7              | 34.5             | 4.5              | 100            | <0.1             | 29.9             | 25.0             | 554            | 4.72            | 12.4             | 0.8             | 2.1              | 2.0              | 41             | <0.1             | <0.1             | <0.1             | 91            | 0.84            | 0.088           |
| REP 11DS0236    | QC                               | 0.6              | 33.1             | 4.4              | 96             | <0.1             | 29.2             | 24.4             | 527            | 4.54            | 11.7             | 0.7             | 0.9              | 1.8              | 40             | <0.1             | <0.1             | <0.1             | 88            | 0.82            | 0.086           |
| 11TB0241        | Soil                             | 0.9              | 21.0             | 9.4              | 65             | <0.1             | 20.9             | 11.8             | 450            | 3.20            | 5.6              | 0.5             | 3.4              | 2.5              | 24             | 0.1              | 0.3              | <0.1             | 70            | 0.48            | 0.036           |
| REP 11TB0241    | QC                               | 0.9              | 20.8             | 9.4              | 67             | <0.1             | 22.2             | 11.2             | 445            | 3.21            | 5.6              | 0.5             | 5.6              | 2.5              | 24             | <0.1             | 0.3              | <0.1             | 68            | 0.50            | 0.038           |
| 11TB0247        | Soil                             | 1.1              | 19.7             | 9.8              | 54             | 0.2              | 19.1             | 11.3             | 648            | 2.84            | 6.2              | 0.7             | 13.5             | 2.9              | 23             | 0.2              | 0.3              | 0.1              | 65            | 0.42            | 0.039           |
| REP 11TB0247    | QC                               | 1.3              | 20.4             | 10.2             | 53             | 0.2              | 20.8             | 11.4             | 659            | 3.04            | 6.1              | 0.8             | 2.8              | 3.0              | 23             | 0.3              | 0.2              | 0.1              | 67            | 0.43            | 0.043           |
| 11NG0254        | Soil                             | 1.0              | 14.3             | 5.8              | 84             | <0.1             | 11.3             | 9.0              | 571            | 3.60            | 3.7              | 0.4             | 1.1              | 4.3              | 14             | <0.1             | 0.2              | 0.1              | 53            | 0.22            | 0.058           |
| REP 11NG0254    | QC                               | 0.8              | 13.7             | 5.6              | 75             | <0.1             | 10.9             | 8.8              | 570            | 3.40            | 3.3              | 0.4             | 0.6              | 4.2              | 14             | 0.2              | 0.1              | <0.1             | 51            | 0.20            | 0.060           |
| 11CB0252        | Soil                             | 0.7              | 24.9             | 8.8              | 60             | 0.2              | 33.2             | 12.5             | 381            | 3.28            | 5.1              | 0.5             | 4.7              | 2.9              | 19             | <0.1             | 0.3              | 0.1              | 82            | 0.33            | 0.040           |
| REP 11CB0252    | QC                               | 0.8              | 24.2             | 9.3              | 60             | 0.1              | 33.2             | 12.7             | 377            | 3.20            | 5.3              | 0.5             | <0.5             | 2.8              | 20             | <0.1             | 0.3              | 0.1              | 81            | 0.34            | 0.041           |
| 11NG0271        | Soil                             | 1.4              | 24.4             | 10.4             | 70             | 0.1              | 26.8             | 13.1             | 443            | 3.78            | 10.1             | 0.5             | 3.4              | 2.9              | 28             | <0.1             | 0.6              | 0.2              | 100           | 0.31            | 0.044           |
| REP 11NG0271    | QC                               | 1.5              | 24.5             | 10.2             | 67             | 0.1              | 26.0             | 13.0             | 459            | 3.74            | 9.5              | 0.4             | 0.9              | 2.8              | 28             | <0.1             | 0.6              | 0.2              | 100           | 0.30            | 0.042           |
| 11DS0263        | Soil                             | 0.4              | 10.9             | 3.3              | 90             | <0.1             | 9.3              | 10.0             | 662            | 4.10            | 2.0              | 0.6             | <0.5             | 6.0              | 17             | <0.1             | 0.2              | <0.1             | 60            | 0.39            | 0.097           |
| REP 11DS0263    | QC                               | 0.4              | 11.9             | 3.3              | 94             | <0.1             | 9.2              | 10.7             | 700            | 4.33            | 2.4              | 0.6             | 0.7              | 6.2              | 17             | <0.1             | 0.2              | <0.1             | 61            | 0.45            | 0.105           |
| 11DS0275        | Soil                             | 0.8              | 16.5             | 4.7              | 75             | <0.1             | 12.5             | 11.7             | 624            | 3.91            | 3.5              | 0.7             | 2.7              | 5.0              | 23             | <0.1             | 0.2              | 0.1              | 74            | 0.26            | 0.044           |
| REP 11DS0275    | QC                               | 0.7              | 17.4             | 4.7              | 77             | <0.1             | 12.9             | 12.8             | 628            | 4.02            | 3.6              | 0.7             | 3.0              | 5.3              | 25             | <0.1             | 0.2              | <0.1             | 76            | 0.31            | 0.047           |
| 11TB0268        | Soil                             | 1.0              | 23.8             | 15.1             | 65             | 0.1              | 18.6             | 10.1             | 411            | 3.22            | 7.2              | 0.9             | 2.5              | 4.7              | 22             | 0.2              | 0.3              | 0.1              | 68            | 0.30            | 0.041           |
| REP 11TB0268    | QC                               | 1.1              | 23.8             | 15.3             | 66             | 0.1              | 20.5             | 10.8             | 425            | 3.29            | 7.8              | 0.9             | 1.6              | 4.7              | 22             | 0.2              | 0.4              | 0.1              | 69            | 0.36            | 0.043           |
| 11DS0288        | Soil                             | 2.0              | 19.1             | 13.9             | 52             | 0.1              | 9.6              | 10.0             | 630            | 2.81            | 4.7              | 2.4             | 2.4              | 18.3             | 19             | <0.1             | 0.2              | 0.1              | 19            | 0.28            | 0.044           |
| REP 11DS0288    | QC                               | 1.9              | 18.9             | 13.4             | 54             | 0.1              | 9.3              | 9.9              | 595            | 2.74            | 4.7              | 2.3             | 0.8              | 17.9             | 18             | 0.1              | 0.3              | 0.1              | 19            | 0.26            | 0.043           |
| 11DS0303        | Soil                             | 2.6              | 17.4             | 16.2             | 35             | <0.1             | 7.9              | 8.1              | 516            | 2.04            | 7.5              | 2.2             | 1.9              | 23.8             | 13             | <0.1             | 0.2              | 0.2              | 10            | 0.12            | 0.026           |
| REP 11DS0303    | QC                               | 2.7              | 18.0             | 16.6             | 39             | <0.1             | 7.8              | 8.6              | 540            | 2.16            | 8.1              | 2.3             | 2.5              | 24.7             | 14             | <0.1             | 0.2              | 0.2              | 10            | 0.13            | 0.030           |
| 11DS0305        | Soil                             | 2.8              | 80.5             | 101.0            | 287            | 0.7              | 15.0             | 12.3             | 506            | 3.18            | 18.3             | 2.7             | 2.5              | 17.1             | 16             | 0.9              | 0.7              | 4.2              | 23            | 0.22            | 0.035           |
| REP 11DS0305    | QC                               | 3.1              | 87.7             | 107.1            | 302            | 0.9              | 16.7             | 13.7             | 527            | 3.41            | 19.3             | 2.8             | 2.0              | 18.2             | 17             | 1.0              | 0.8              | 5.1              | 25            | 0.22            | 0.039           |
| 11TB0294        | Soil                             | 2.2              | 15.2             | 70.3             | 73             | 0.4              | 10.8             | 4.1              | 124            | 3.26            | 18.4             | 1.9             | 2.1              | 11.7             | 38             | <0.1             | 0.3              | 2.7              | 33            | 0.12            | 0.022           |
| REP 11TB0294    | QC                               | 2.1              | 15.0             | 69.8             | 72             | 0.3              | 10.4             | 4.0              | 124            | 3.27            | 18.7             | 1.9             | 3.0              | 11.5             | 38             | <0.1             | 0.3              | 2.7              | 33            | 0.12            | 0.022           |
| 11CB0267        | Soil                             | 1.5              | 34.6             | 19.6             | 65             | <0.1             | 23.8             | 7.9              | 217            | 3.04            | 17.4             | 1.2             | <0.5             | 7.4              | 27             | <0.1             | 0.3              | 0.2              | 45            | 0.22            | 0.036           |
| REP 11CB0267    | QC                               | 1.6              | 36.0             | 20.1             | 67             | <0.1             | 25.1             | 8.1              | 223            | 3.14            | 18.1             | 1.2             | <0.5             | 7.6              | 28             | <0.1             | 0.3              | 0.2              | 46            | 0.21            | 0.036           |



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Report Date: July 16, 2011

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## QUALITY CONTROL REPORT

WHI11000450.1

| Method<br>Analyte<br>Unit<br>MDL |      | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                  |      | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                                  |      | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                                  |      | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates                  |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11DS0236                         | Soil | 11    | 54    | 1.31  | 214   | 0.189 | <1    | 2.60  | 0.013 | 0.12  | <0.1  | 0.01  | 4.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| REP 11DS0236                     | QC   | 10    | 52    | 1.25  | 200   | 0.184 | <1    | 2.47  | 0.013 | 0.12  | <0.1  | 0.01  | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0241                         | Soil | 9     | 41    | 0.82  | 177   | 0.105 | <1    | 1.78  | 0.019 | 0.08  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| REP 11TB0241                     | QC   | 10    | 42    | 0.80  | 180   | 0.105 | <1    | 1.78  | 0.019 | 0.08  | <0.1  | 0.03  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0247                         | Soil | 15    | 37    | 0.63  | 230   | 0.076 | <1    | 1.71  | 0.014 | 0.06  | <0.1  | 0.03  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| REP 11TB0247                     | QC   | 15    | 37    | 0.64  | 229   | 0.079 | <1    | 1.73  | 0.013 | 0.06  | 0.1   | 0.04  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0254                         | Soil | 12    | 20    | 0.75  | 195   | 0.091 | 1     | 1.96  | 0.009 | 0.36  | 0.1   | <0.01 | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11NG0254                     | QC   | 12    | 19    | 0.71  | 185   | 0.086 | <1    | 1.89  | 0.008 | 0.34  | <0.1  | <0.01 | 4.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0252                         | Soil | 11    | 60    | 1.13  | 368   | 0.099 | 1     | 2.03  | 0.013 | 0.09  | <0.1  | 0.03  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB0252                     | QC   | 11    | 58    | 1.08  | 371   | 0.100 | 1     | 2.06  | 0.012 | 0.10  | <0.1  | 0.01  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0271                         | Soil | 9     | 46    | 0.90  | 237   | 0.096 | 2     | 2.86  | 0.022 | 0.06  | 0.1   | 0.02  | 4.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11NG0271                     | QC   | 9     | 44    | 0.89  | 225   | 0.096 | 1     | 2.89  | 0.022 | 0.06  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05 | 8     | 0.7   | <0.2  |
| 11DS0263                         | Soil | 17    | 13    | 0.96  | 384   | 0.181 | <1    | 2.17  | 0.015 | 0.76  | <0.1  | <0.01 | 7.9   | 0.2   | <0.05 | 10    | 0.6   | <0.2  |
| REP 11DS0263                     | QC   | 17    | 15    | 0.99  | 373   | 0.182 | <1    | 2.16  | 0.014 | 0.76  | 0.1   | 0.02  | 7.9   | 0.2   | <0.05 | 10    | 0.7   | <0.2  |
| 11DS0275                         | Soil | 14    | 28    | 0.94  | 280   | 0.184 | <1    | 1.97  | 0.010 | 0.59  | 0.2   | 0.01  | 5.4   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11DS0275                     | QC   | 15    | 29    | 0.96  | 296   | 0.193 | <1    | 2.03  | 0.010 | 0.60  | 0.1   | <0.01 | 5.8   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0268                         | Soil | 18    | 34    | 0.68  | 257   | 0.094 | <1    | 1.74  | 0.012 | 0.08  | 0.1   | <0.01 | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| REP 11TB0268                     | QC   | 19    | 33    | 0.68  | 260   | 0.097 | <1    | 1.80  | 0.012 | 0.08  | 0.1   | 0.01  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0288                         | Soil | 40    | 11    | 0.42  | 248   | 0.031 | <1    | 0.99  | 0.012 | 0.15  | <0.1  | 0.03  | 2.4   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| REP 11DS0288                     | QC   | 39    | 11    | 0.41  | 241   | 0.030 | 1     | 0.97  | 0.012 | 0.14  | <0.1  | 0.03  | 2.5   | <0.1  | <0.05 | 2     | 0.6   | <0.2  |
| 11DS0303                         | Soil | 43    | 8     | 0.25  | 170   | 0.010 | <1    | 0.79  | 0.008 | 0.14  | <0.1  | <0.01 | 2.7   | <0.1  | <0.05 | 2     | 0.7   | 0.2   |
| REP 11DS0303                     | QC   | 45    | 8     | 0.26  | 176   | 0.010 | <1    | 0.84  | 0.007 | 0.15  | <0.1  | 0.02  | 3.0   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| 11DS0305                         | Soil | 48    | 18    | 0.19  | 289   | 0.018 | 2     | 0.99  | 0.010 | 0.12  | 0.1   | 0.03  | 3.1   | 0.1   | <0.05 | 3     | 1.1   | 0.3   |
| REP 11DS0305                     | QC   | 51    | 18    | 0.21  | 307   | 0.017 | 1     | 1.05  | 0.011 | 0.11  | <0.1  | 0.03  | 3.2   | <0.1  | 0.06  | 3     | 1.2   | 0.3   |
| 11TB0294                         | Soil | 23    | 19    | 0.24  | 210   | 0.035 | <1    | 1.35  | 0.030 | 0.07  | <0.1  | 0.01  | 2.3   | <0.1  | 0.10  | 4     | 2.1   | 0.4   |
| REP 11TB0294                     | QC   | 24    | 19    | 0.25  | 209   | 0.037 | <1    | 1.38  | 0.030 | 0.08  | <0.1  | <0.01 | 2.4   | <0.1  | 0.08  | 4     | 1.9   | 0.5   |
| 11CB0267                         | Soil | 15    | 24    | 0.65  | 169   | 0.095 | <1    | 1.69  | 0.017 | 0.26  | <0.1  | <0.01 | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| REP 11CB0267                     | QC   | 15    | 26    | 0.66  | 170   | 0.097 | <1    | 1.73  | 0.017 | 0.26  | <0.1  | 0.02  | 2.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: July 16, 2011

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## QUALITY CONTROL REPORT

WHI11000450.1

|                     |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|                     |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|                     |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB0275            | Soil     | 1.0   | 28.1  | 14.0  | 67    | 0.2   | 20.8  | 11.0  | 386   | 2.60  | 8.4   | 1.8   | 5.2   | 5.8   | 35    | 0.1   | 0.5   | 0.3   | 53    | 0.55  |
| REP 11CB0275        | QC       | 1.0   | 27.8  | 13.5  | 66    | 0.2   | 20.3  | 11.1  | 396   | 2.62  | 8.2   | 1.8   | 4.4   | 5.6   | 34    | 0.2   | 0.4   | 0.3   | 53    | 0.55  |
| 11NG0298            | Soil     | 6.2   | 16.0  | 492.1 | 242   | 1.4   | 4.6   | 4.3   | 197   | 4.14  | 66.2  | 2.2   | 16.5  | 20.1  | 38    | 0.2   | 0.5   | 5.4   | 15    | 0.06  |
| REP 11NG0298        | QC       | 6.2   | 15.5  | 479.6 | 237   | 1.4   | 4.4   | 4.3   | 189   | 4.01  | 64.6  | 2.1   | 18.6  | 20.2  | 38    | 0.1   | 0.4   | 5.5   | 14    | 0.06  |
| 11NG0305            | Soil     | 1.8   | 51.6  | 8.1   | 116   | 0.1   | 22.4  | 20.6  | 532   | 4.43  | 10.6  | 0.9   | 4.6   | 4.0   | 25    | <0.1  | 0.4   | 0.1   | 125   | 0.67  |
| REP 11NG0305        | QC       | 1.5   | 53.3  | 8.2   | 120   | 0.2   | 23.7  | 21.0  | 522   | 4.50  | 10.6  | 0.9   | 5.8   | 3.9   | 25    | <0.1  | 0.4   | <0.1  | 122   | 0.67  |
| Reference Materials |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard | 13.1  | 110.6 | 125.2 | 325   | 1.8   | 38.1  | 7.4   | 606   | 2.46  | 27.1  | 2.8   | 121.0 | 6.3   | 63    | 2.6   | 6.1   | 7.3   | 42    | 0.68  |
| STD DS8             | Standard | 13.2  | 109.4 | 125.3 | 327   | 1.8   | 39.1  | 7.4   | 617   | 2.41  | 27.4  | 2.7   | 112.0 | 6.5   | 67    | 1.9   | 6.0   | 7.2   | 42    | 0.68  |
| STD DS8             | Standard | 13.2  | 114.4 | 128.4 | 317   | 1.9   | 39.8  | 7.7   | 599   | 2.57  | 24.3  | 2.6   | 110.2 | 6.5   | 56    | 1.9   | 4.9   | 5.9   | 44    | 0.68  |
| STD DS8             | Standard | 13.0  | 117.7 | 128.3 | 314   | 1.7   | 40.5  | 7.9   | 599   | 2.57  | 24.6  | 2.7   | 106.8 | 6.9   | 60    | 2.1   | 5.0   | 5.8   | 44    | 0.71  |
| STD DS8             | Standard | 12.6  | 114.6 | 125.3 | 309   | 1.7   | 39.6  | 8.0   | 583   | 2.40  | 24.2  | 2.5   | 102.0 | 6.3   | 55    | 2.0   | 4.5   | 5.6   | 43    | 0.66  |
| STD DS8             | Standard | 13.6  | 123.9 | 131.6 | 322   | 1.6   | 41.9  | 8.1   | 626   | 2.58  | 25.6  | 2.7   | 98.4  | 6.7   | 58    | 2.3   | 4.7   | 6.0   | 44    | 0.70  |
| STD DS8             | Standard | 14.3  | 111.1 | 140.5 | 332   | 1.8   | 41.2  | 7.8   | 657   | 2.56  | 27.4  | 3.2   | 119.5 | 8.2   | 80    | 2.2   | 6.0   | 7.0   | 46    | 0.73  |
| STD DS8             | Standard | 13.4  | 110.2 | 138.5 | 319   | 1.8   | 39.0  | 7.4   | 665   | 2.54  | 27.0  | 3.1   | 113.3 | 8.0   | 78    | 2.2   | 6.2   | 7.0   | 43    | 0.73  |
| STD DS8             | Standard | 11.9  | 100.5 | 122.6 | 280   | 1.5   | 35.2  | 6.8   | 546   | 2.23  | 22.8  | 2.5   | 99.0  | 6.5   | 50    | 2.0   | 4.8   | 5.5   | 38    | 0.59  |
| STD DS8             | Standard | 14.1  | 111.2 | 126.4 | 309   | 1.7   | 39.4  | 7.7   | 590   | 2.40  | 24.3  | 2.7   | 102.4 | 6.9   | 58    | 2.1   | 4.9   | 5.7   | 42    | 0.69  |
| STD DS8             | Standard | 12.4  | 111.1 | 120.9 | 317   | 2.1   | 38.0  | 7.4   | 584   | 2.32  | 25.6  | 2.6   | 124.0 | 6.7   | 63    | 2.4   | 5.3   | 6.2   | 42    | 0.66  |
| STD DS8             | Standard | 12.9  | 112.0 | 120.0 | 324   | 2.1   | 39.2  | 7.7   | 597   | 2.39  | 25.4  | 2.8   | 126.5 | 6.6   | 63    | 2.3   | 5.4   | 6.2   | 43    | 0.66  |
| STD DS8             | Standard | 14.1  | 116.9 | 125.7 | 347   | 1.9   | 39.0  | 7.9   | 655   | 2.63  | 29.8  | 2.7   | 111.6 | 6.9   | 75    | 2.4   | 5.9   | 6.7   | 42    | 0.76  |
| STD DS8             | Standard | 13.8  | 113.2 | 130.6 | 342   | 2.0   | 37.7  | 7.6   | 660   | 2.47  | 29.7  | 2.9   | 131.1 | 7.1   | 73    | 2.5   | 5.6   | 6.7   | 42    | 0.76  |
| STD DS8             | Standard | 13.7  | 109.8 | 128.7 | 324   | 1.7   | 38.6  | 7.8   | 634   | 2.53  | 26.8  | 2.9   | 118.2 | 7.3   | 77    | 2.4   | 6.0   | 7.4   | 44    | 0.72  |
| STD DS8             | Standard | 13.5  | 111.3 | 126.4 | 323   | 1.7   | 39.2  | 7.7   | 639   | 2.58  | 27.6  | 2.8   | 117.3 | 7.0   | 80    | 2.4   | 5.9   | 7.2   | 44    | 0.74  |
| STD DS8             | Standard | 13.0  | 112.8 | 124.3 | 329   | 1.8   | 39.5  | 7.9   | 659   | 2.57  | 28.1  | 2.8   | 113.8 | 6.8   | 70    | 2.4   | 5.5   | 6.6   | 44    | 0.70  |
| STD DS8             | Standard | 14.0  | 117.8 | 121.6 | 328   | 1.8   | 40.6  | 8.2   | 668   | 2.65  | 29.6  | 2.8   | 115.5 | 6.7   | 73    | 2.5   | 5.4   | 6.5   | 46    | 0.76  |
| STD DS8             | Standard | 13.8  | 115.5 | 121.1 | 334   | 1.7   | 39.0  | 7.9   | 619   | 2.51  | 27.8  | 2.6   | 107.8 | 6.3   | 56    | 2.4   | 5.2   | 5.9   | 46    | 0.67  |
| STD DS8             | Standard | 13.1  | 114.7 | 118.6 | 323   | 1.8   | 39.1  | 7.7   | 602   | 2.49  | 27.6  | 2.5   | 109.7 | 5.9   | 58    | 2.3   | 5.2   | 5.9   | 46    | 0.66  |
| STD DS8 Expected    |          | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |



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Project: Mariposa  
Report Date: July 16, 2011

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## QUALITY CONTROL REPORT

WHI11000450.1

|                     |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|---------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| 11CB0275            | Soil     | 21                      | 27                      | 0.54                     | 255                     | 0.089                     | 2                      | 1.48                     | 0.026                     | 0.09                    | 0.2                      | 0.03                       | 4.0                       | <0.1                      | <0.05                   | 5                       | 0.7                       | <0.2                      |
| REP 11CB0275        | QC       | 20                      | 26                      | 0.54                     | 253                     | 0.088                     | 2                      | 1.49                     | 0.023                     | 0.09                    | 0.2                      | 0.03                       | 4.0                       | 0.1                       | <0.05                   | 4                       | 0.8                       | <0.2                      |
| 11NG0298            | Soil     | 35                      | 8                       | 0.11                     | 166                     | 0.018                     | <1                     | 0.83                     | 0.066                     | 0.23                    | <0.1                     | 0.02                       | 1.6                       | 0.2                       | 0.58                    | 2                       | 7.8                       | 13.4                      |
| REP 11NG0298        | QC       | 35                      | 8                       | 0.11                     | 173                     | 0.018                     | 1                      | 0.84                     | 0.065                     | 0.23                    | <0.1                     | 0.02                       | 1.5                       | 0.2                       | 0.58                    | 2                       | 8.0                       | 13.3                      |
| 11NG0305            | Soil     | 17                      | 25                      | 1.69                     | 296                     | 0.186                     | 3                      | 2.38                     | 0.019                     | 0.75                    | 0.2                      | 0.05                       | 8.7                       | 0.5                       | <0.05                   | 9                       | 0.7                       | <0.2                      |
| REP 11NG0305        | QC       | 17                      | 24                      | 1.69                     | 311                     | 0.195                     | 3                      | 2.59                     | 0.019                     | 0.85                    | 0.2                      | 0.05                       | 9.1                       | 0.6                       | <0.05                   | 9                       | 0.9                       | <0.2                      |
| Reference Materials |          |                         |                         |                          |                         |                           |                        |                          |                           |                         |                          |                            |                           |                           |                         |                         |                           |                           |
| STD DS8             | Standard | 12                      | 119                     | 0.61                     | 274                     | 0.108                     | 3                      | 0.88                     | 0.072                     | 0.42                    | 3.1                      | 0.19                       | 1.7                       | 5.7                       | 0.17                    | 5                       | 3.5                       | 5.9                       |
| STD DS8             | Standard | 13                      | 116                     | 0.63                     | 278                     | 0.109                     | 3                      | 0.89                     | 0.074                     | 0.42                    | 3.1                      | 0.21                       | 1.7                       | 5.4                       | 0.18                    | 5                       | 4.8                       | 5.2                       |
| STD DS8             | Standard | 13                      | 123                     | 0.62                     | 241                     | 0.113                     | 3                      | 0.86                     | 0.070                     | 0.40                    | 3.0                      | 0.19                       | 1.8                       | 5.2                       | 0.14                    | 4                       | 5.3                       | 4.6                       |
| STD DS8             | Standard | 14                      | 125                     | 0.61                     | 255                     | 0.119                     | 2                      | 0.87                     | 0.070                     | 0.41                    | 2.9                      | 0.19                       | 2.0                       | 5.2                       | 0.16                    | 4                       | 6.0                       | 5.1                       |
| STD DS8             | Standard | 12                      | 121                     | 0.62                     | 237                     | 0.109                     | 2                      | 0.88                     | 0.069                     | 0.39                    | 2.7                      | 0.19                       | 1.7                       | 5.0                       | 0.17                    | 4                       | 4.2                       | 4.1                       |
| STD DS8             | Standard | 13                      | 128                     | 0.66                     | 257                     | 0.118                     | 2                      | 0.94                     | 0.075                     | 0.42                    | 3.0                      | 0.20                       | 1.9                       | 5.3                       | 0.20                    | 5                       | 5.4                       | 4.1                       |
| STD DS8             | Standard | 17                      | 123                     | 0.68                     | 318                     | 0.121                     | 5                      | 0.94                     | 0.096                     | 0.45                    | 3.4                      | 0.22                       | 2.3                       | 5.6                       | 0.23                    | 5                       | 6.3                       | 5.4                       |
| STD DS8             | Standard | 17                      | 116                     | 0.66                     | 305                     | 0.121                     | 3                      | 0.97                     | 0.091                     | 0.43                    | 3.2                      | 0.19                       | 2.2                       | 5.7                       | 0.18                    | 5                       | 6.3                       | 5.6                       |
| STD DS8             | Standard | 12                      | 108                     | 0.55                     | 226                     | 0.104                     | 3                      | 0.77                     | 0.063                     | 0.36                    | 2.8                      | 0.18                       | 1.7                       | 4.9                       | 0.10                    | 4                       | 3.9                       | 4.6                       |
| STD DS8             | Standard | 13                      | 117                     | 0.61                     | 250                     | 0.117                     | 4                      | 0.89                     | 0.072                     | 0.40                    | 2.9                      | 0.20                       | 2.0                       | 4.9                       | 0.14                    | 4                       | 6.1                       | 4.4                       |
| STD DS8             | Standard | 14                      | 114                     | 0.63                     | 263                     | 0.112                     | 3                      | 0.89                     | 0.084                     | 0.45                    | 2.9                      | 0.20                       | 2.0                       | 5.5                       | 0.15                    | 5                       | 5.6                       | 4.6                       |
| STD DS8             | Standard | 15                      | 116                     | 0.61                     | 266                     | 0.117                     | 3                      | 0.89                     | 0.082                     | 0.43                    | 2.9                      | 0.23                       | 2.0                       | 5.4                       | 0.15                    | 5                       | 5.7                       | 5.4                       |
| STD DS8             | Standard | 16                      | 116                     | 0.66                     | 301                     | 0.117                     | 5                      | 0.99                     | 0.095                     | 0.47                    | 2.9                      | 0.22                       | 2.2                       | 5.6                       | 0.15                    | 5                       | 5.2                       | 5.4                       |
| STD DS8             | Standard | 16                      | 114                     | 0.65                     | 300                     | 0.115                     | 5                      | 1.00                     | 0.098                     | 0.45                    | 3.2                      | 0.22                       | 2.2                       | 5.7                       | 0.14                    | 5                       | 5.1                       | 4.9                       |
| STD DS8             | Standard | 16                      | 119                     | 0.63                     | 290                     | 0.141                     | 3                      | 0.96                     | 0.090                     | 0.41                    | 3.2                      | 0.21                       | 2.0                       | 5.8                       | 0.15                    | 5                       | 6.2                       | 5.0                       |
| STD DS8             | Standard | 16                      | 122                     | 0.63                     | 287                     | 0.141                     | 2                      | 0.95                     | 0.090                     | 0.42                    | 3.0                      | 0.18                       | 2.1                       | 5.6                       | 0.11                    | 5                       | 6.0                       | 5.4                       |
| STD DS8             | Standard | 15                      | 119                     | 0.63                     | 287                     | 0.124                     | 3                      | 0.95                     | 0.092                     | 0.43                    | 3.1                      | 0.20                       | 2.2                       | 5.5                       | 0.16                    | 5                       | 5.9                       | 5.3                       |
| STD DS8             | Standard | 16                      | 125                     | 0.65                     | 302                     | 0.134                     | 3                      | 0.98                     | 0.097                     | 0.46                    | 3.0                      | 0.21                       | 2.4                       | 5.5                       | 0.16                    | 5                       | 6.5                       | 5.4                       |
| STD DS8             | Standard | 14                      | 119                     | 0.63                     | 284                     | 0.100                     | 2                      | 0.94                     | 0.096                     | 0.45                    | 3.0                      | 0.17                       | 2.4                       | 5.4                       | 0.19                    | 5                       | 5.3                       | 4.7                       |
| STD DS8             | Standard | 14                      | 119                     | 0.62                     | 278                     | 0.094                     | 2                      | 0.91                     | 0.091                     | 0.43                    | 3.0                      | 0.19                       | 2.0                       | 5.3                       | 0.18                    | 5                       | 5.4                       | 5.3                       |
| STD DS8 Expected    |          | 14.6                    | 115                     | 0.6045                   | 279                     | 0.113                     | 2.6                    | 0.93                     | 0.0883                    | 0.41                    | 3                        | 0.192                      | 2.3                       | 5.4                       | 0.1679                  | 4.7                     | 5.23                      | 5                         |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |



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Client: Pacific Ridge Exploration Ltd.

1100 - 1199 West Hastings Street

Vancouver BC V6E 3T5 Canada

Project: Mariposa

Report Date: July 16, 2011

Page: 3 of 3 Part 1

## QUALITY CONTROL REPORT

WHI11000450.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|     |       | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|     |       | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|     |       | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | 0.01  | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | 0.01  | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Report Date: July 16, 2011

Page: 3 of 3 Part 2

## QUALITY CONTROL REPORT

WHI11000450.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | La    | Cr    | Mg    | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|     |       | ppm   | ppm   | %     | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|     |       | 1     | 1     | 0.01  | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: July 07, 2011

Report Date: July 17, 2011

Page: 1 of 11

## CERTIFICATE OF ANALYSIS

WHI11000489.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 11MPS-05  
P.O. Number  
Number of Samples: 292

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 290               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 290               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 290               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 285               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: None Given  
Report Date: July 17, 2011

Page: 2 of 11 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11TB0166 | Soil | I.S.                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |      |
| 11TB0167 | Soil | 0.9                              | 31.0  | 9.9   | 85    | 0.1   | 21.4  | 18.8  | 537   | 3.29  | 1.3   | 0.3   | 4.7   | 1.2   | 27    | 0.1   | 0.2   | <0.1  | 112   | 0.47  | 0.075 |      |
| 11TB0168 | Soil | 0.9                              | 30.7  | 12.0  | 60    | 0.4   | 18.6  | 11.8  | 357   | 2.24  | 2.2   | 0.6   | 3.6   | 0.9   | 37    | 0.2   | 0.2   | 0.1   | 71    | 0.69  | 0.079 |      |
| 11TB0169 | Soil | 1.2                              | 20.5  | 8.3   | 58    | <0.1  | 25.5  | 10.0  | 362   | 2.64  | 6.2   | 0.6   | 3.6   | 3.0   | 14    | <0.1  | 0.3   | 0.1   | 53    | 0.18  | 0.035 |      |
| 11TB0170 | Soil | 1.3                              | 15.2  | 11.0  | 79    | <0.1  | 19.0  | 9.8   | 348   | 3.53  | 9.9   | 0.5   | 2.3   | 2.5   | 8     | 0.1   | 0.6   | 0.2   | 71    | 0.09  | 0.036 |      |
| 11TB0171 | Soil | 1.1                              | 23.4  | 9.6   | 56    | 0.2   | 20.6  | 9.2   | 254   | 2.80  | 7.7   | 0.8   | 2.8   | 3.7   | 12    | <0.1  | 0.5   | 0.2   | 68    | 0.13  | 0.021 |      |
| 11TB0172 | Soil | 1.1                              | 98.1  | 9.5   | 68    | 0.6   | 25.0  | 10.5  | 360   | 3.15  | 7.8   | 0.8   | 8.6   | 4.6   | 13    | <0.1  | 0.4   | 0.2   | 68    | 0.16  | 0.022 |      |
| 11TB0173 | Soil | 0.7                              | 20.2  | 8.6   | 80    | <0.1  | 24.6  | 11.1  | 374   | 3.20  | 4.8   | 0.8   | 48.2  | 5.3   | 12    | <0.1  | 0.3   | 0.2   | 58    | 0.12  | 0.018 |      |
| 11TB0174 | Soil | 1.3                              | 18.0  | 9.9   | 59    | <0.1  | 22.6  | 11.4  | 550   | 2.95  | 9.1   | 0.4   | 8.9   | 3.5   | 11    | 0.1   | 0.4   | 0.1   | 70    | 0.11  | 0.021 |      |
| 11TB0175 | Soil | 1.6                              | 25.4  | 7.9   | 69    | 0.1   | 22.4  | 11.3  | 336   | 3.69  | 6.0   | 0.6   | 12.3  | 3.8   | 13    | <0.1  | 0.4   | 0.1   | 80    | 0.15  | 0.020 |      |
| 11TB0176 | Soil | 138.9                            | 105.6 | 20.8  | 128   | 0.2   | 46.8  | 30.3  | 976   | 7.67  | 10.2  | 1.0   | 201.5 | 2.5   | 13    | <0.1  | 4.6   | 0.1   | 72    | 0.28  | 0.084 |      |
| 11TB0177 | Soil | 9.1                              | 19.9  | 47.4  | 98    | 0.8   | 15.6  | 8.8   | 420   | 2.93  | 7.1   | 0.6   | 3.8   | 3.4   | 15    | 0.5   | 0.4   | 0.1   | 55    | 0.23  | 0.027 |      |
| 11TB0178 | Soil | 2.3                              | 23.7  | 8.1   | 114   | 0.2   | 15.3  | 9.3   | 1179  | 2.89  | 3.7   | 0.5   | 12.5  | 3.0   | 43    | 0.6   | 0.4   | 0.1   | 54    | 1.17  | 0.076 |      |
| 11TB0179 | Soil | 1.2                              | 23.7  | 7.6   | 79    | 0.1   | 17.1  | 16.9  | 921   | 4.03  | 4.3   | 0.4   | 3.4   | 2.4   | 19    | <0.1  | 0.2   | <0.1  | 104   | 0.37  | 0.028 |      |
| 11TB0180 | Soil | 1.2                              | 31.6  | 10.1  | 68    | 0.2   | 19.9  | 12.3  | 425   | 3.36  | 8.3   | 0.5   | 2.7   | 3.1   | 21    | <0.1  | 0.4   | 0.1   | 80    | 0.28  | 0.029 |      |
| 11TB0181 | Soil | 1.5                              | 25.8  | 9.5   | 74    | 0.2   | 22.3  | 12.5  | 396   | 3.47  | 7.1   | 0.4   | 1.8   | 2.3   | 19    | 0.2   | 0.3   | 0.1   | 85    | 0.31  | 0.032 |      |
| 11TB0182 | Soil | 1.3                              | 19.2  | 11.3  | 67    | 0.2   | 22.6  | 13.3  | 589   | 3.30  | 7.1   | 0.3   | 0.7   | 2.4   | 18    | <0.1  | 0.4   | 0.1   | 77    | 0.23  | 0.028 |      |
| 11TB0183 | Soil | 1.1                              | 22.0  | 10.3  | 70    | 0.1   | 21.5  | 11.4  | 404   | 2.86  | 6.7   | 0.7   | 11.6  | 2.9   | 29    | <0.1  | 0.3   | <0.1  | 60    | 0.50  | 0.020 |      |
| 11TB0184 | Soil | 0.9                              | 35.8  | 9.3   | 78    | <0.1  | 44.0  | 20.5  | 690   | 4.07  | 4.6   | 0.5   | 1.2   | 2.6   | 26    | <0.1  | 0.3   | <0.1  | 86    | 0.46  | 0.079 |      |
| 11TB0185 | Soil | 0.9                              | 20.7  | 6.6   | 48    | <0.1  | 33.8  | 13.1  | 305   | 2.79  | 4.6   | 0.7   | 1.5   | 4.0   | 15    | <0.1  | 0.3   | <0.1  | 57    | 0.22  | 0.019 |      |
| 11TB0186 | Soil | 2.8                              | 19.3  | 12.0  | 67    | <0.1  | 22.6  | 11.6  | 521   | 3.53  | 8.4   | 0.4   | 1.2   | 3.0   | 16    | 0.1   | 0.5   | 0.1   | 77    | 0.30  | 0.028 |      |
| 11TB0187 | Soil | 0.9                              | 25.6  | 4.8   | 125   | <0.1  | 12.4  | 18.5  | 698   | 4.22  | 2.6   | 0.4   | 5.1   | 1.9   | 26    | 0.2   | 0.2   | <0.1  | 106   | 0.85  | 0.109 |      |
| 11TB0188 | Soil | 0.7                              | 18.3  | 7.5   | 82    | <0.1  | 13.2  | 9.7   | 460   | 3.43  | 3.9   | 0.6   | 5.9   | 5.3   | 19    | <0.1  | 0.2   | <0.1  | 51    | 0.33  | 0.026 |      |
| 11NG0150 | Soil | 1.8                              | 59.6  | 7.4   | 70    | 0.2   | 30.9  | 17.5  | 302   | 3.57  | 3.0   | 0.6   | 15.7  | 2.4   | 27    | <0.1  | 0.2   | <0.1  | 95    | 0.43  | 0.062 |      |
| 11NG0151 | Soil | 2.1                              | 46.9  | 7.7   | 79    | 0.1   | 35.2  | 17.8  | 449   | 3.52  | 5.1   | 0.4   | 21.9  | 2.3   | 25    | 0.1   | 0.3   | <0.1  | 85    | 0.49  | 0.091 |      |
| 11NG0152 | Soil | 2.1                              | 65.9  | 7.8   | 83    | 0.4   | 49.6  | 24.2  | 600   | 4.12  | 6.0   | 0.6   | 30.5  | 2.6   | 31    | 0.2   | 0.4   | 0.1   | 90    | 0.61  | 0.102 |      |
| 11NG0153 | Soil | 0.7                              | 21.4  | 8.5   | 53    | <0.1  | 18.8  | 8.9   | 302   | 2.57  | 7.0   | 0.8   | 3.9   | 2.7   | 20    | <0.1  | 0.3   | 0.2   | 57    | 0.25  | 0.047 |      |
| 11NG0154 | Soil | 1.0                              | 13.4  | 6.4   | 69    | <0.1  | 14.6  | 8.2   | 325   | 2.89  | 5.5   | 0.6   | 10.2  | 3.2   | 13    | <0.1  | 0.3   | 0.1   | 50    | 0.16  | 0.032 |      |
| 11NG0155 | Soil | 0.7                              | 16.0  | 5.8   | 66    | <0.1  | 16.3  | 9.3   | 340   | 3.03  | 6.2   | 0.6   | 14.8  | 3.4   | 10    | <0.1  | 0.3   | 0.1   | 51    | 0.12  | 0.030 |      |
| 11NG0156 | Soil | 1.4                              | 23.7  | 8.2   | 73    | 0.2   | 21.5  | 9.7   | 495   | 3.37  | 9.8   | 0.5   | 2.0   | 2.8   | 13    | 0.2   | 0.4   | 0.2   | 73    | 0.17  | 0.045 |      |



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Project: None Given  
Report Date: July 17, 2011

Page: 2 of 11 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0166 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11TB0167 | Soil                             | 6     | 36    | 1.23  | 476   | 0.175 | 1     | 2.03  | 0.011 | 0.18  | 0.1   | 0.01  | 4.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0168 | Soil                             | 9     | 26    | 0.71  | 619   | 0.070 | 2     | 1.64  | 0.013 | 0.07  | 0.1   | 0.05  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0169 | Soil                             | 10    | 33    | 0.53  | 323   | 0.042 | <1    | 1.91  | 0.007 | 0.06  | 0.2   | 0.02  | 3.0   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11TB0170 | Soil                             | 8     | 31    | 0.60  | 183   | 0.053 | <1    | 2.33  | 0.005 | 0.08  | 0.2   | 0.02  | 2.8   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| 11TB0171 | Soil                             | 10    | 33    | 0.50  | 258   | 0.056 | 2     | 2.20  | 0.006 | 0.07  | 0.1   | 0.03  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0172 | Soil                             | 8     | 39    | 0.76  | 244   | 0.096 | 2     | 2.35  | 0.008 | 0.10  | 0.1   | 0.04  | 4.0   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11TB0173 | Soil                             | 14    | 44    | 0.96  | 215   | 0.109 | 1     | 2.31  | 0.008 | 0.15  | <0.1  | 0.01  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0174 | Soil                             | 9     | 34    | 0.60  | 228   | 0.070 | <1    | 2.02  | 0.006 | 0.07  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0175 | Soil                             | 13    | 41    | 0.77  | 284   | 0.083 | <1    | 2.54  | 0.007 | 0.11  | <0.1  | 0.03  | 5.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0176 | Soil                             | 12    | 30    | 0.41  | 317   | 0.005 | 1     | 1.57  | 0.005 | 0.13  | <0.1  | 0.04  | 11.0  | 0.1   | <0.05 | 3     | 0.8   | 0.3   |
| 11TB0177 | Soil                             | 14    | 24    | 0.34  | 324   | 0.017 | 2     | 1.55  | 0.006 | 0.09  | <0.1  | 0.04  | 3.4   | <0.1  | <0.05 | 4     | 0.5   | <0.2  |
| 11TB0178 | Soil                             | 14    | 24    | 0.55  | 818   | 0.042 | 3     | 1.43  | 0.006 | 0.26  | <0.1  | 0.01  | 3.6   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0179 | Soil                             | 11    | 31    | 1.24  | 607   | 0.186 | 1     | 2.54  | 0.013 | 0.31  | 0.2   | 0.02  | 5.7   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB0180 | Soil                             | 12    | 34    | 0.74  | 208   | 0.128 | <1    | 2.15  | 0.011 | 0.13  | 0.1   | 0.01  | 3.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0181 | Soil                             | 7     | 37    | 0.78  | 169   | 0.156 | 1     | 2.46  | 0.014 | 0.11  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0182 | Soil                             | 7     | 40    | 0.65  | 205   | 0.091 | 2     | 2.34  | 0.009 | 0.09  | <0.1  | <0.01 | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0183 | Soil                             | 8     | 34    | 0.74  | 231   | 0.067 | 1     | 2.14  | 0.011 | 0.11  | <0.1  | 0.01  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0184 | Soil                             | 10    | 60    | 1.30  | 370   | 0.082 | 1     | 2.52  | 0.015 | 0.10  | <0.1  | 0.01  | 6.1   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0185 | Soil                             | 17    | 51    | 0.69  | 274   | 0.061 | <1    | 1.42  | 0.011 | 0.11  | <0.1  | 0.02  | 4.8   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0186 | Soil                             | 9     | 47    | 0.58  | 331   | 0.052 | 1     | 2.29  | 0.007 | 0.11  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0187 | Soil                             | 10    | 18    | 1.81  | 643   | 0.149 | 2     | 2.60  | 0.015 | 0.45  | <0.1  | 0.01  | 9.3   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11TB0188 | Soil                             | 9     | 22    | 0.73  | 191   | 0.129 | <1    | 1.89  | 0.009 | 0.19  | 0.1   | 0.02  | 2.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0150 | Soil                             | 11    | 61    | 1.08  | 340   | 0.109 | 1     | 2.67  | 0.015 | 0.13  | 0.1   | 0.03  | 6.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0151 | Soil                             | 10    | 70    | 1.21  | 256   | 0.093 | 1     | 2.29  | 0.011 | 0.09  | 0.1   | 0.02  | 6.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0152 | Soil                             | 14    | 95    | 1.30  | 448   | 0.096 | 2     | 2.38  | 0.012 | 0.13  | 0.2   | 0.05  | 8.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0153 | Soil                             | 12    | 30    | 0.54  | 350   | 0.049 | 1     | 1.82  | 0.007 | 0.06  | 0.1   | 0.03  | 4.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0154 | Soil                             | 12    | 23    | 0.49  | 267   | 0.048 | <1    | 2.02  | 0.006 | 0.11  | <0.1  | 0.01  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0155 | Soil                             | 11    | 27    | 0.59  | 213   | 0.059 | <1    | 1.98  | 0.007 | 0.12  | 0.1   | 0.01  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0156 | Soil                             | 10    | 33    | 0.54  | 256   | 0.067 | 1     | 2.17  | 0.007 | 0.10  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |





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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method | Analyte | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |    |      |
|----------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11NG0157 | Soil   |         | 0.7  | 47.9 | 7.1   | 104   | <0.1  | 11.2  | 18.9  | 598   | 4.73  | 2.9   | 0.3   | 10.4  | 1.8   | 25    | <0.1  | 0.2   | 0.1   | 143   | 0.25  | 0.059 |    |      |
| 11NG0158 | Soil   |         | 1.2  | 17.1 | 8.6   | 68    | 0.3   | 18.9  | 11.5  | 582   | 3.26  | 7.0   | 0.4   | <0.5  | 2.5   | 14    | 0.1   | 0.4   | 0.1   | 77    | 0.16  | 0.054 |    |      |
| 11NG0159 | Soil   |         | 1.1  | 15.4 | 11.0  | 68    | 0.1   | 12.1  | 7.6   | 319   | 2.51  | 5.1   | 0.3   | 2.9   | 1.7   | 25    | <0.1  | 0.3   | 0.1   | 60    | 0.25  | 0.032 |    |      |
| 11NG0160 | Soil   |         | 0.4  | 46.5 | 16.5  | 82    | <0.1  | 102.7 | 25.9  | 640   | 3.67  | 3.3   | 1.6   | 3.2   | 12.9  | 61    | 0.1   | 0.2   | 0.1   | 95    | 0.47  | 0.148 |    |      |
| 11NG0161 | Soil   |         | 0.4  | 50.2 | 18.4  | 82    | <0.1  | 108.6 | 27.3  | 653   | 3.72  | 3.6   | 1.7   | 3.0   | 13.2  | 64    | <0.1  | 0.2   | 0.1   | 99    | 0.49  | 0.145 |    |      |
| 11NG0162 | Soil   |         | 0.9  | 14.3 | 7.5   | 73    | 0.1   | 15.0  | 8.9   | 346   | 3.19  | 6.0   | 0.8   | 236.5 | 4.7   | 10    | <0.1  | 0.5   | 0.2   | 57    | 0.08  | 0.020 |    |      |
| 11NG0163 | Soil   |         | 0.9  | 21.5 | 7.7   | 73    | <0.1  | 16.2  | 10.8  | 408   | 3.51  | 7.6   | 0.6   | 6.2   | 3.7   | 10    | <0.1  | 0.4   | 0.1   | 62    | 0.09  | 0.020 |    |      |
| 11NG0164 | Soil   |         | 0.7  | 28.7 | 5.0   | 95    | <0.1  | 11.3  | 9.8   | 514   | 3.18  | 3.0   | 0.7   | 17.4  | 4.7   | 16    | <0.1  | 0.2   | 0.1   | 49    | 0.19  | 0.033 |    |      |
| 11NG0165 | Soil   |         | 0.8  | 28.1 | 9.2   | 85    | <0.1  | 26.9  | 12.2  | 504   | 3.11  | 6.1   | 1.0   | 20.5  | 4.7   | 23    | <0.1  | 0.4   | 0.1   | 66    | 0.30  | 0.021 |    |      |
| 11NG0166 | Soil   |         | 0.9  | 15.1 | 6.9   | 72    | 0.1   | 18.7  | 9.3   | 390   | 2.91  | 4.7   | 0.7   | 37.9  | 4.2   | 16    | <0.1  | 0.3   | 0.1   | 55    | 0.17  | 0.017 |    |      |
| 11NG0167 | Soil   |         | 87.1 | 49.3 | 17.0  | 100   | 0.2   | 32.5  | 19.1  | 720   | 4.56  | 5.7   | 1.0   | 63.3  | 4.3   | 27    | <0.1  | 1.8   | 0.3   | 79    | 0.43  | 0.052 |    |      |
| 11NG0168 | Soil   |         | 4.0  | 11.7 | 8.9   | 55    | 0.1   | 15.2  | 7.8   | 538   | 2.18  | 4.8   | 0.6   | 102.6 | 3.5   | 21    | 0.1   | 0.3   | 0.1   | 49    | 0.31  | 0.041 |    |      |
| 11NG0169 | Soil   |         | 3.7  | 20.8 | 10.8  | 66    | <0.1  | 21.8  | 9.5   | 391   | 2.80  | 6.9   | 0.8   | 21.4  | 5.2   | 24    | <0.1  | 0.5   | 0.2   | 57    | 0.32  | 0.028 |    |      |
| 11NG0170 | Soil   |         | 5.2  | 31.5 | 9.0   | 101   | <0.1  | 21.7  | 14.2  | 533   | 3.86  | 5.1   | 0.8   | 59.6  | 3.7   | 22    | <0.1  | 0.5   | 0.1   | 74    | 0.33  | 0.036 |    |      |
| 11NG0171 | Soil   |         | 2.0  | 20.7 | 9.7   | 94    | <0.1  | 15.8  | 10.5  | 892   | 3.50  | 6.9   | 0.6   | 2.9   | 3.5   | 28    | 0.2   | 0.4   | 0.2   | 63    | 0.67  | 0.046 |    |      |
| 11NG0172 | Soil   |         | 2.0  | 32.3 | 7.9   | 88    | <0.1  | 16.7  | 12.1  | 540   | 3.49  | 5.0   | 0.7   | 26.2  | 3.6   | 25    | 0.1   | 0.3   | 0.1   | 67    | 0.55  | 0.050 |    |      |
| 11NG0173 | Soil   |         | 0.8  | 33.6 | 5.5   | 123   | 0.1   | 11.5  | 17.6  | 583   | 5.28  | 4.0   | 0.5   | 13.9  | 1.6   | 36    | <0.1  | 0.2   | <0.1  | 106   | 0.84  | 0.161 |    |      |
| 11NG0174 | Soil   |         | 0.7  | 24.8 | 8.2   | 98    | <0.1  | 11.6  | 10.2  | 479   | 3.62  | 4.9   | 0.6   | 1.5   | 3.8   | 24    | 0.1   | 0.2   | <0.1  | 55    | 0.26  | 0.048 |    |      |
| 11CB0166 | Soil   |         | 0.8  | 35.0 | 7.7   | 96    | 0.3   | 17.4  | 17.8  | 413   | 3.43  | 2.3   | 0.3   | 2.8   | 1.0   | 35    | 0.1   | 0.1   | <0.1  | 110   | 0.51  | 0.066 |    |      |
| 11CB0167 | Soil   |         | 0.6  | 33.8 | 7.4   | 76    | 0.2   | 19.8  | 14.9  | 466   | 3.28  | 4.9   | 0.5   | 7.4   | 2.0   | 39    | 0.2   | 0.2   | 0.1   | 94    | 0.59  | 0.084 |    |      |
| 11CB0168 | Soil   |         | 1.5  | 14.0 | 8.9   | 82    | <0.1  | 13.6  | 8.1   | 398   | 3.33  | 8.6   | 0.6   | 0.9   | 2.3   | 12    | 0.1   | 0.4   | 0.1   | 74    | 0.14  | 0.077 |    |      |
| 11CB0169 | Soil   |         | 1.0  | 26.7 | 9.4   | 68    | <0.1  | 28.2  | 11.9  | 270   | 3.17  | 10.7  | 0.5   | 4.6   | 3.8   | 19    | 0.1   | 0.6   | 0.1   | 75    | 0.18  | 0.017 |    |      |
| 11CB0170 | Soil   |         | 1.2  | 25.9 | 9.8   | 68    | 0.2   | 19.3  | 7.7   | 298   | 3.37  | 9.7   | 0.6   | 2.0   | 3.2   | 15    | <0.1  | 0.5   | 0.2   | 75    | 0.16  | 0.035 |    |      |
| 11CB0171 | Soil   |         | 1.0  | 32.4 | 13.6  | 81    | 0.3   | 33.7  | 12.7  | 339   | 3.33  | 10.9  | 0.7   | 3.8   | 5.2   | 18    | <0.1  | 0.6   | 0.2   | 75    | 0.18  | 0.037 |    |      |
| 11CB0172 | Soil   |         | 1.1  | 21.7 | 11.3  | 85    | <0.1  | 27.0  | 12.9  | 383   | 3.67  | 9.1   | 0.6   | 13.9  | 4.1   | 16    | <0.1  | 0.5   | 0.2   | 80    | 0.15  | 0.026 |    |      |
| 11CB0173 | Soil   |         | 1.0  | 11.3 | 7.4   | 63    | <0.1  | 14.7  | 8.0   | 359   | 2.96  | 6.6   | 0.5   | 80.2  | 4.2   | 18    | <0.1  | 0.4   | 0.2   | 61    | 0.22  | 0.049 |    |      |
| 11CB0174 | Soil   |         | 15.3 | 33.6 | 10.3  | 83    | 0.2   | 28.4  | 15.3  | 486   | 4.67  | 6.0   | 0.8   | 173.3 | 3.9   | 17    | <0.1  | 0.6   | 0.2   | 79    | 0.15  | 0.027 |    |      |
| 11CB0175 | Soil   |         | 3.9  | 62.7 | 8.3   | 120   | 0.2   | 48.9  | 34.7  | 972   | 7.26  | 4.8   | 0.5   | 37.7  | 2.4   | 16    | <0.1  | 0.3   | 0.2   | 169   | 0.43  | 0.129 |    |      |
| 11CB0176 | Soil   |         | 1.4  | 25.0 | 10.2  | 65    | <0.1  | 24.2  | 10.7  | 363   | 3.15  | 9.9   | 0.7   | 11.1  | 4.3   | 29    | <0.1  | 0.5   | 0.2   | 69    | 0.37  | 0.040 |    |      |
| 11CB0177 | Soil   |         | 0.6  | 16.0 | 3.3   | 112   | <0.1  | 12.4  | 17.7  | 657   | 4.56  | 2.9   | 0.3   | 3.1   | 2.4   | 14    | <0.1  | 0.2   | <0.1  | 103   | 0.25  | 0.048 |    |      |



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Project: None Given  
Report Date: July 17, 2011

Page: 3 of 11 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0157 | Soil                             | 8     | 20    | 1.73  | 359   | 0.140 | <1    | 3.29  | 0.012 | 0.41  | <0.1  | 0.02  | 9.6   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0158 | Soil                             | 8     | 36    | 0.72  | 224   | 0.098 | 1     | 2.09  | 0.007 | 0.16  | 0.1   | <0.01 | 3.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0159 | Soil                             | 7     | 21    | 0.62  | 279   | 0.057 | 1     | 2.04  | 0.007 | 0.17  | <0.1  | <0.01 | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0160 | Soil                             | 49    | 227   | 2.34  | 622   | 0.165 | 2     | 2.53  | 0.015 | 0.17  | <0.1  | <0.01 | 4.5   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0161 | Soil                             | 51    | 236   | 2.45  | 623   | 0.171 | <1    | 2.61  | 0.016 | 0.17  | 0.1   | <0.01 | 4.6   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0162 | Soil                             | 13    | 28    | 0.68  | 196   | 0.091 | 2     | 1.93  | 0.010 | 0.21  | <0.1  | 0.02  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0163 | Soil                             | 10    | 29    | 0.85  | 241   | 0.114 | 2     | 2.23  | 0.008 | 0.25  | 0.1   | 0.01  | 5.0   | 0.2   | <0.05 | 8     | 0.5   | <0.2  |
| 11NG0164 | Soil                             | 15    | 22    | 0.92  | 327   | 0.132 | 1     | 1.79  | 0.008 | 0.40  | <0.1  | 0.01  | 5.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0165 | Soil                             | 19    | 38    | 1.14  | 423   | 0.145 | 2     | 2.06  | 0.015 | 0.15  | <0.1  | 0.01  | 8.3   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11NG0166 | Soil                             | 16    | 31    | 0.82  | 317   | 0.107 | 1     | 1.78  | 0.009 | 0.13  | <0.1  | 0.01  | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0167 | Soil                             | 20    | 40    | 0.99  | 480   | 0.061 | 1     | 2.00  | 0.012 | 0.13  | <0.1  | 0.03  | 7.9   | 0.1   | <0.05 | 5     | 0.7   | 0.6   |
| 11NG0168 | Soil                             | 16    | 27    | 0.42  | 343   | 0.070 | 1     | 1.37  | 0.010 | 0.11  | 0.1   | 0.03  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0169 | Soil                             | 17    | 32    | 0.60  | 307   | 0.087 | 2     | 1.72  | 0.016 | 0.09  | 0.1   | 0.03  | 6.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0170 | Soil                             | 15    | 32    | 1.07  | 348   | 0.083 | 2     | 2.02  | 0.012 | 0.09  | <0.1  | 0.03  | 9.5   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11NG0171 | Soil                             | 11    | 25    | 0.65  | 395   | 0.076 | 2     | 1.72  | 0.011 | 0.30  | 0.1   | 0.01  | 4.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0172 | Soil                             | 15    | 32    | 0.97  | 600   | 0.103 | 2     | 1.86  | 0.012 | 0.24  | <0.1  | 0.02  | 8.0   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0173 | Soil                             | 8     | 17    | 1.48  | 384   | 0.269 | 1     | 2.63  | 0.020 | 0.40  | <0.1  | 0.01  | 6.3   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0174 | Soil                             | 7     | 17    | 0.68  | 144   | 0.181 | 1     | 2.05  | 0.011 | 0.21  | <0.1  | 0.01  | 2.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0166 | Soil                             | 5     | 32    | 1.31  | 479   | 0.220 | 2     | 2.20  | 0.020 | 0.29  | 0.1   | 0.02  | 4.8   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0167 | Soil                             | 10    | 33    | 0.97  | 417   | 0.117 | 1     | 1.97  | 0.019 | 0.08  | <0.1  | 0.03  | 5.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0168 | Soil                             | 12    | 24    | 0.59  | 139   | 0.102 | 1     | 1.50  | 0.009 | 0.15  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0169 | Soil                             | 10    | 43    | 0.67  | 239   | 0.102 | 1     | 2.68  | 0.011 | 0.08  | 0.1   | 0.03  | 4.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0170 | Soil                             | 10    | 33    | 0.60  | 255   | 0.085 | 1     | 2.50  | 0.009 | 0.09  | 0.1   | 0.04  | 3.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0171 | Soil                             | 11    | 53    | 0.74  | 268   | 0.105 | 2     | 2.55  | 0.013 | 0.10  | 0.1   | 0.03  | 3.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0172 | Soil                             | 12    | 50    | 0.84  | 273   | 0.106 | 2     | 2.78  | 0.010 | 0.10  | 0.1   | 0.02  | 5.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0173 | Soil                             | 15    | 26    | 0.47  | 277   | 0.075 | 1     | 1.70  | 0.009 | 0.13  | 0.1   | 0.01  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0174 | Soil                             | 14    | 40    | 0.77  | 285   | 0.048 | <1    | 2.39  | 0.012 | 0.09  | 0.1   | 0.03  | 8.0   | 0.1   | <0.05 | 7     | <0.5  | 0.2   |
| 11CB0175 | Soil                             | 9     | 73    | 2.88  | 307   | 0.051 | <1    | 4.29  | 0.011 | 0.16  | <0.1  | 0.01  | 17.8  | 0.1   | <0.05 | 15    | <0.5  | <0.2  |
| 11CB0176 | Soil                             | 15    | 37    | 0.62  | 462   | 0.087 | 2     | 2.00  | 0.018 | 0.07  | 0.1   | 0.03  | 5.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0177 | Soil                             | 9     | 28    | 1.94  | 384   | 0.162 | 1     | 2.53  | 0.012 | 0.63  | <0.1  | 0.01  | 11.2  | 0.2   | <0.05 | 11    | <0.5  | <0.2  |



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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11CB0178 | Soil | 1.0                              | 16.3  | 6.7   | 103   | 0.1   | 13.6  | 17.1  | 575   | 4.48  | 5.3   | 0.4   | 5.6   | 2.0   | 21    | 0.1   | 0.3   | <0.1  | 109   | 0.39  | 0.055 |      |
| 11CB0179 | Soil | 1.1                              | 26.6  | 7.0   | 87    | <0.1  | 18.8  | 13.4  | 439   | 3.94  | 8.7   | 0.4   | 1.9   | 1.9   | 21    | <0.1  | 0.4   | <0.1  | 90    | 0.26  | 0.027 |      |
| 11CB0180 | Soil | 0.8                              | 24.1  | 6.1   | 87    | <0.1  | 19.1  | 15.2  | 469   | 3.40  | 4.5   | 0.6   | 0.7   | 4.4   | 27    | <0.1  | 0.2   | <0.1  | 64    | 0.39  | 0.022 |      |
| 11CB0181 | Soil | 0.9                              | 20.5  | 6.1   | 85    | <0.1  | 18.9  | 13.4  | 629   | 3.16  | 5.2   | 0.5   | 1.6   | 3.7   | 41    | 0.1   | 0.3   | <0.1  | 63    | 0.63  | 0.039 |      |
| 11CB0182 | Soil | 5.3                              | 30.2  | 9.8   | 66    | 0.1   | 16.2  | 11.9  | 410   | 3.29  | 6.1   | 0.5   | 3.0   | 2.5   | 40    | <0.1  | 0.4   | 0.1   | 62    | 0.36  | 0.042 |      |
| 11CB0183 | Soil | 1.4                              | 35.3  | 7.2   | 60    | <0.1  | 38.7  | 15.7  | 357   | 3.59  | 6.5   | 0.4   | 0.8   | 2.1   | 25    | <0.1  | 0.3   | <0.1  | 79    | 0.45  | 0.044 |      |
| 11CB0184 | Soil | 3.7                              | 25.8  | 14.9  | 83    | 0.2   | 21.6  | 13.1  | 859   | 3.49  | 7.5   | 1.0   | 9.2   | 4.3   | 27    | 0.2   | 0.5   | 0.1   | 63    | 0.53  | 0.038 |      |
| 11CB0185 | Soil | 1.1                              | 25.1  | 6.9   | 94    | 0.2   | 15.7  | 14.3  | 597   | 3.94  | 6.3   | 0.6   | 4.4   | 2.5   | 31    | 0.1   | 0.4   | 0.1   | 92    | 0.57  | 0.067 |      |
| 11DS0163 | Soil | 0.6                              | 13.8  | 5.5   | 106   | <0.1  | 16.7  | 18.5  | 645   | 4.08  | 4.3   | 0.4   | 4.2   | 2.2   | 23    | 0.1   | 0.3   | <0.1  | 91    | 0.53  | 0.115 |      |
| 11DS0164 | Soil | 0.7                              | 13.9  | 6.4   | 98    | <0.1  | 19.3  | 13.4  | 600   | 3.48  | 5.1   | 0.5   | 3.2   | 2.5   | 26    | 0.1   | 0.3   | 0.1   | 73    | 0.49  | 0.081 |      |
| 11DS0165 | Soil | 0.5                              | 10.6  | 5.6   | 107   | <0.1  | 15.6  | 12.6  | 701   | 3.05  | 3.7   | 0.5   | 5.8   | 2.9   | 27    | 0.1   | 0.2   | 0.1   | 58    | 0.58  | 0.095 |      |
| 11DS0166 | Soil | 1.0                              | 22.8  | 9.7   | 56    | <0.1  | 23.8  | 10.8  | 302   | 2.85  | 10.6  | 0.8   | 3.4   | 4.0   | 15    | 0.2   | 0.5   | 0.2   | 62    | 0.14  | 0.029 |      |
| 11DS0167 | Soil | 0.9                              | 10.7  | 7.7   | 69    | 0.2   | 10.9  | 9.1   | 342   | 3.06  | 5.3   | 0.4   | 2.3   | 2.4   | 12    | <0.1  | 0.3   | 0.2   | 80    | 0.13  | 0.023 |      |
| 11DS0168 | Soil | 0.8                              | 15.1  | 6.9   | 69    | <0.1  | 18.5  | 10.2  | 497   | 3.15  | 6.9   | 0.6   | 3.3   | 3.5   | 12    | <0.1  | 0.4   | 0.1   | 64    | 0.12  | 0.023 |      |
| 11DS0169 | Soil | 0.2                              | 41.9  | 22.4  | 85    | <0.1  | 63.5  | 18.9  | 578   | 3.49  | 1.7   | 1.2   | 2.6   | 12.4  | 77    | <0.1  | 0.2   | 0.3   | 75    | 0.61  | 0.145 |      |
| 11DS0170 | Soil | 0.7                              | 17.1  | 4.8   | 93    | <0.1  | 17.8  | 13.1  | 526   | 3.59  | 3.1   | 0.9   | 9.6   | 5.3   | 14    | <0.1  | 0.3   | <0.1  | 68    | 0.13  | 0.019 |      |
| 11DS0171 | Soil | 2.3                              | 38.5  | 6.9   | 96    | <0.1  | 32.2  | 14.4  | 759   | 4.08  | 1.6   | 0.7   | 10.0  | 1.3   | 28    | <0.1  | 0.1   | 0.1   | 96    | 0.37  | 0.071 |      |
| 11DS0172 | Soil | 1.4                              | 62.0  | 17.2  | 126   | <0.1  | 31.0  | 28.2  | 863   | 5.76  | 2.6   | 0.4   | 4.7   | 1.9   | 36    | <0.1  | 0.2   | <0.1  | 162   | 0.48  | 0.068 |      |
| 11DS0173 | Soil | 3.8                              | 24.4  | 11.7  | 77    | <0.1  | 16.9  | 9.9   | 489   | 2.53  | 4.6   | 0.8   | 39.3  | 4.5   | 16    | <0.1  | 0.5   | 0.1   | 43    | 0.22  | 0.029 |      |
| 11DS0174 | Soil | 3.7                              | 22.2  | 19.1  | 104   | <0.1  | 12.1  | 9.0   | 412   | 3.28  | 5.2   | 1.3   | 56.3  | 6.6   | 17    | 0.3   | 0.8   | 0.1   | 34    | 0.21  | 0.019 |      |
| 11DS0175 | Soil | 1.2                              | 11.9  | 5.1   | 95    | <0.1  | 7.1   | 14.7  | 774   | 4.74  | 2.2   | 0.4   | 7.1   | 3.0   | 17    | <0.1  | 0.2   | 0.1   | 74    | 0.31  | 0.061 |      |
| 11DS0176 | Soil | 1.7                              | 44.1  | 6.6   | 120   | <0.1  | 5.3   | 12.1  | 914   | 4.57  | 15.1  | 0.3   | 3.0   | 0.6   | 29    | 0.1   | <0.1  | <0.1  | 99    | 0.39  | 0.062 |      |
| 11DS0177 | Soil | 0.6                              | 47.4  | 6.2   | 100   | <0.1  | 13.1  | 22.8  | 690   | 4.75  | 2.9   | 0.4   | 1.6   | 1.1   | 56    | <0.1  | 0.2   | <0.1  | 103   | 0.72  | 0.056 |      |
| 11DS0178 | Soil | 0.5                              | 17.6  | 9.7   | 78    | <0.1  | 10.8  | 9.9   | 436   | 2.56  | 3.5   | 0.5   | 4.5   | 2.2   | 44    | <0.1  | 0.2   | <0.1  | 48    | 0.28  | 0.029 |      |
| 11DS0179 | Soil | 0.6                              | 22.4  | 6.2   | 127   | <0.1  | 80.0  | 30.4  | 883   | 4.61  | 2.1   | 0.3   | 2.1   | 1.2   | 30    | 0.1   | 0.1   | <0.1  | 112   | 0.60  | 0.128 |      |
| 11DS0180 | Soil | 1.0                              | 19.8  | 9.6   | 135   | <0.1  | 10.3  | 24.6  | 1370  | 4.84  | 3.1   | 0.9   | 7.9   | 6.7   | 20    | <0.1  | 0.2   | 0.1   | 40    | 0.46  | 0.177 |      |
| 11DS0181 | Soil | 1.1                              | 21.3  | 8.4   | 135   | <0.1  | 11.0  | 23.2  | 1301  | 4.60  | 3.3   | 0.9   | 3.3   | 6.9   | 19    | <0.1  | 0.3   | 0.1   | 39    | 0.47  | 0.187 |      |
| 11DS0182 | Soil | 1.2                              | 28.2  | 9.3   | 76    | <0.1  | 13.5  | 15.1  | 512   | 3.35  | 3.5   | 0.7   | 3.8   | 2.7   | 35    | <0.1  | 0.2   | 0.1   | 57    | 0.50  | 0.074 |      |
| 11DS0183 | Soil | 0.8                              | 27.7  | 11.0  | 81    | <0.1  | 11.3  | 15.3  | 486   | 3.35  | 2.9   | 0.5   | 3.8   | 2.2   | 38    | <0.1  | 0.1   | <0.1  | 61    | 0.48  | 0.067 |      |
| 11DS0184 | Soil | 0.3                              | 11.7  | 7.9   | 80    | <0.1  | 6.9   | 7.9   | 353   | 2.16  | 2.4   | 0.5   | 3.3   | 1.5   | 28    | <0.1  | 0.2   | <0.1  | 39    | 0.47  | 0.053 |      |



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**Project:** None Given  
**Report Date:** July 17, 2011

**Page:** 4 of 11 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0178 | Soil                             | 13    | 20    | 1.52  | 354   | 0.140 | 2     | 2.52  | 0.016 | 0.18  | <0.1  | 0.01  | 9.2   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0179 | Soil                             | 6     | 34    | 1.04  | 162   | 0.224 | 1     | 2.64  | 0.016 | 0.17  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0180 | Soil                             | 9     | 45    | 1.11  | 151   | 0.174 | <1    | 2.39  | 0.016 | 0.33  | <0.1  | <0.01 | 3.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0181 | Soil                             | 8     | 39    | 0.92  | 218   | 0.152 | 1     | 2.21  | 0.016 | 0.31  | <0.1  | 0.01  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0182 | Soil                             | 11    | 26    | 0.79  | 285   | 0.090 | <1    | 1.98  | 0.018 | 0.08  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0183 | Soil                             | 10    | 63    | 1.10  | 298   | 0.065 | <1    | 2.32  | 0.022 | 0.07  | <0.1  | 0.01  | 5.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0184 | Soil                             | 17    | 33    | 0.59  | 696   | 0.047 | 2     | 1.73  | 0.017 | 0.12  | 0.1   | 0.02  | 6.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0185 | Soil                             | 12    | 25    | 1.17  | 605   | 0.128 | 2     | 2.28  | 0.016 | 0.18  | 0.1   | 0.02  | 7.8   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0163 | Soil                             | 8     | 25    | 1.31  | 343   | 0.201 | <1    | 2.22  | 0.016 | 0.40  | 0.1   | 0.02  | 4.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0164 | Soil                             | 10    | 30    | 1.00  | 346   | 0.145 | 1     | 2.11  | 0.012 | 0.15  | 0.1   | 0.03  | 3.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0165 | Soil                             | 11    | 25    | 1.14  | 390   | 0.150 | 1     | 1.99  | 0.010 | 0.36  | 0.2   | 0.02  | 5.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0166 | Soil                             | 10    | 36    | 0.55  | 208   | 0.064 | 1     | 2.28  | 0.009 | 0.06  | 0.1   | 0.03  | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0167 | Soil                             | 7     | 21    | 0.85  | 199   | 0.115 | <1    | 1.97  | 0.007 | 0.15  | 0.1   | <0.01 | 3.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0168 | Soil                             | 9     | 28    | 0.91  | 234   | 0.081 | 2     | 2.30  | 0.007 | 0.09  | 0.1   | 0.03  | 5.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0169 | Soil                             | 48    | 117   | 2.12  | 727   | 0.209 | <1    | 2.23  | 0.018 | 0.32  | <0.1  | <0.01 | 7.4   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0170 | Soil                             | 28    | 43    | 1.33  | 344   | 0.133 | <1    | 2.38  | 0.007 | 0.23  | <0.1  | 0.01  | 7.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0171 | Soil                             | 6     | 85    | 2.23  | 376   | 0.137 | <1    | 3.05  | 0.009 | 0.41  | <0.1  | <0.01 | 4.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0172 | Soil                             | 7     | 68    | 2.48  | 161   | 0.304 | <1    | 3.39  | 0.011 | 0.15  | <0.1  | <0.01 | 8.9   | <0.1  | <0.05 | 12    | <0.5  | <0.2  |
| 11DS0173 | Soil                             | 14    | 25    | 0.52  | 384   | 0.035 | <1    | 1.28  | 0.012 | 0.10  | <0.1  | 0.03  | 6.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0174 | Soil                             | 25    | 17    | 0.29  | 548   | 0.014 | <1    | 1.07  | 0.006 | 0.09  | <0.1  | 0.03  | 6.5   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0175 | Soil                             | 19    | 11    | 1.29  | 324   | 0.011 | <1    | 2.46  | 0.007 | 0.07  | <0.1  | <0.01 | 7.5   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11DS0176 | Soil                             | 4     | 9     | 1.65  | 195   | 0.258 | <1    | 2.81  | 0.010 | 0.83  | 0.1   | <0.01 | 2.1   | 0.6   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0177 | Soil                             | 4     | 25    | 1.53  | 127   | 0.298 | <1    | 3.01  | 0.009 | 0.07  | <0.1  | <0.01 | 2.9   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0178 | Soil                             | 10    | 24    | 0.97  | 131   | 0.069 | <1    | 1.71  | 0.012 | 0.10  | <0.1  | 0.01  | 2.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0179 | Soil                             | 6     | 132   | 2.04  | 355   | 0.211 | 1     | 2.93  | 0.020 | 0.32  | <0.1  | <0.01 | 5.7   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS0180 | Soil                             | 29    | 11    | 0.49  | 478   | 0.064 | <1    | 1.46  | 0.008 | 0.36  | <0.1  | 0.01  | 12.5  | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0181 | Soil                             | 28    | 13    | 0.43  | 399   | 0.059 | <1    | 1.39  | 0.008 | 0.30  | <0.1  | <0.01 | 12.1  | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0182 | Soil                             | 12    | 19    | 0.95  | 299   | 0.080 | <1    | 1.85  | 0.011 | 0.18  | <0.1  | 0.01  | 4.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0183 | Soil                             | 7     | 23    | 1.13  | 270   | 0.074 | <1    | 1.93  | 0.009 | 0.08  | <0.1  | <0.01 | 3.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0184 | Soil                             | 4     | 14    | 0.78  | 178   | 0.089 | <1    | 1.65  | 0.008 | 0.20  | <0.1  | <0.01 | 2.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11DS0185 | Soil                             | 0.7              | 8.3              | 7.7              | 89             | <0.1             | 10.5             | 6.5              | 298            | 2.24            | 4.3              | 0.4             | 0.8              | 1.9              | 25             | <0.1             | 0.2              | <0.1             | 40            | 0.25            | 0.049           |
| 11DS0186 | Soil                             | 0.5              | 23.1             | 7.4              | 78             | <0.1             | 9.3              | 7.9              | 324            | 2.61            | 2.7              | 0.4             | 1.4              | 2.6              | 25             | <0.1             | 0.2              | <0.1             | 41            | 0.23            | 0.035           |
| 11DS0187 | Soil                             | 0.5              | 21.8             | 6.8              | 117            | <0.1             | 19.1             | 15.1             | 951            | 3.78            | 4.0              | 0.7             | 21.9             | 3.7              | 28             | 0.2              | 0.2              | <0.1             | 74            | 0.48            | 0.085           |
| 11DS0188 | Soil                             | 0.7              | 26.9             | 6.4              | 97             | 0.2              | 22.1             | 13.8             | 739            | 3.54            | 3.7              | 0.7             | 9.2              | 2.7              | 37             | 0.1              | 0.2              | <0.1             | 69            | 0.61            | 0.115           |
| 11DS0189 | Soil                             | 1.3              | 22.1             | 10.5             | 85             | 0.2              | 22.2             | 13.0             | 614            | 3.59            | 5.7              | 0.4             | 3.7              | 1.9              | 19             | <0.1             | 0.2              | 0.2              | 87            | 0.20            | 0.057           |
| 11DS0190 | Soil                             | 0.9              | 13.9             | 8.1              | 68             | <0.1             | 24.7             | 10.9             | 407            | 3.23            | 5.1              | 0.4             | 1.4              | 2.3              | 15             | 0.1              | 0.2              | 0.1              | 75            | 0.20            | 0.053           |
| 11DS0191 | Soil                             | 0.6              | 20.2             | 4.9              | 134            | <0.1             | 33.3             | 24.5             | 1434           | 5.04            | 2.6              | 0.3             | 4.9              | 1.8              | 47             | <0.1             | 0.1              | <0.1             | 134           | 0.64            | 0.101           |
| 11DS0192 | Soil                             | 0.5              | 19.4             | 2.9              | 195            | <0.1             | 15.8             | 24.7             | 1215           | 3.98            | 3.0              | 0.6             | 6.4              | 3.3              | 29             | <0.1             | 0.2              | <0.1             | 93            | 0.63            | 0.110           |
| 11DS0193 | Soil                             | 4.3              | 12.0             | 5.9              | 78             | 0.2              | 13.7             | 12.8             | 313            | 3.24            | 3.1              | 0.3             | 11.0             | 1.4              | 20             | <0.1             | 0.2              | <0.1             | 87            | 0.45            | 0.098           |
| 11DS0194 | Soil                             | 5.7              | 15.9             | 9.2              | 68             | 0.2              | 15.6             | 9.6              | 238            | 3.19            | 4.8              | 0.6             | 26.8             | 1.3              | 26             | <0.1             | 0.2              | 0.1              | 73            | 0.46            | 0.094           |
| 11DS0195 | Soil                             | 3.3              | 19.1             | 8.1              | 82             | 0.1              | 17.1             | 12.3             | 296            | 3.30            | 3.3              | 0.7             | 50.8             | 2.3              | 27             | 0.1              | 0.3              | <0.1             | 76            | 0.54            | 0.094           |
| 11DS0196 | Soil                             | 4.3              | 17.2             | 8.7              | 84             | 0.2              | 28.5             | 14.6             | 309            | 3.36            | 3.5              | 0.6             | 32.0             | 2.8              | 32             | <0.1             | 0.3              | 0.1              | 77            | 0.55            | 0.096           |
| 11DS0197 | Soil                             | 3.7              | 7.2              | 8.5              | 36             | 0.4              | 11.8             | 3.8              | 74             | 1.27            | 2.8              | 0.5             | 148.1            | 2.6              | 22             | <0.1             | 0.2              | 0.1              | 30            | 0.40            | 0.085           |
| 11DS0198 | Soil                             | 9.7              | 12.8             | 10.4             | 83             | 0.2              | 15.1             | 8.6              | 1015           | 3.48            | 3.9              | 0.6             | 236.4            | 2.1              | 12             | <0.1             | 0.3              | <0.1             | 35            | 0.21            | 0.066           |
| 11DS0199 | Soil                             | 3.4              | 13.0             | 10.3             | 75             | 0.1              | 21.4             | 9.5              | 252            | 3.49            | 7.0              | 0.5             | 31.8             | 3.2              | 13             | <0.1             | 0.3              | 0.1              | 60            | 0.13            | 0.029           |
| 11DS0200 | Soil                             | 3.5              | 14.5             | 10.7             | 68             | <0.1             | 15.0             | 8.6              | 310            | 3.33            | 4.1              | 0.5             | 3.4              | 3.6              | 13             | 0.1              | 0.3              | 0.1              | 51            | 0.17            | 0.043           |
| 11DS0201 | Soil                             | 3.0              | 14.5             | 10.3             | 63             | 0.1              | 16.2             | 8.7              | 306            | 3.28            | 5.4              | 0.6             | 3.1              | 3.5              | 14             | 0.1              | 0.3              | 0.1              | 56            | 0.18            | 0.043           |
| 11DS0202 | Soil                             | 1.8              | 23.6             | 13.0             | 75             | <0.1             | 16.8             | 9.5              | 498            | 3.09            | 5.4              | 0.7             | 5.3              | 3.7              | 14             | 0.1              | 0.3              | 0.1              | 52            | 0.23            | 0.046           |
| 11DS0203 | Soil                             | 1.0              | 20.8             | 11.2             | 66             | 0.2              | 22.9             | 10.7             | 277            | 2.95            | 9.5              | 0.6             | 3.6              | 4.0              | 14             | 0.2              | 0.4              | 0.1              | 65            | 0.18            | 0.055           |
| 11DS0204 | Soil                             | 1.0              | 68.5             | 7.8              | 100            | <0.1             | 19.9             | 16.4             | 762            | 4.21            | 6.1              | 1.0             | 271.5            | 3.8              | 23             | <0.1             | 0.4              | 0.1              | 98            | 0.35            | 0.042           |
| 11DS0205 | Soil                             | 0.8              | 24.6             | 5.2              | 131            | <0.1             | 15.9             | 17.7             | 959            | 4.60            | 2.9              | 0.6             | 47.0             | 3.0              | 27             | <0.1             | 0.3              | <0.1             | 96            | 0.47            | 0.063           |
| 11DS0206 | Soil                             | 2.4              | 146.0            | 7.3              | 117            | 0.1              | 10.4             | 16.2             | 673            | 4.34            | 3.0              | 0.7             | 24.7             | 3.5              | 25             | <0.1             | 0.3              | 0.1              | 120           | 0.40            | 0.045           |
| 11DS0207 | Soil                             | 0.5              | 27.2             | 6.4              | 75             | <0.1             | 16.0             | 10.0             | 428            | 2.61            | 3.5              | 0.8             | 7.9              | 5.5              | 19             | <0.1             | 0.3              | 0.1              | 53            | 0.31            | 0.025           |
| 11DS0208 | Soil                             | 1.8              | 14.7             | 8.2              | 90             | 0.1              | 38.7             | 13.6             | 492            | 2.93            | 2.5              | 1.2             | 48.6             | 3.5              | 47             | 0.2              | 0.2              | <0.1             | 60            | 1.02            | 0.119           |
| 11DS0209 | Soil                             | 5.8              | 25.9             | 10.2             | 81             | 0.3              | 77.1             | 26.9             | 1775           | 4.45            | 4.7              | 1.4             | 23.9             | 3.4              | 54             | 0.2              | 0.3              | 0.1              | 87            | 1.29            | 0.110           |
| 11DS0210 | Soil                             | 0.7              | 12.9             | 4.5              | 75             | <0.1             | 15.5             | 9.7              | 299            | 2.89            | 3.3              | 0.9             | 4.9              | 5.7              | 16             | <0.1             | 0.2              | <0.1             | 46            | 0.22            | 0.018           |
| 11DS0212 | Soil                             | 1.5              | 25.2             | 8.1              | 84             | <0.1             | 17.7             | 13.8             | 634            | 3.46            | 5.0              | 0.7             | 6.8              | 3.4              | 22             | 0.1              | 0.3              | <0.1             | 88            | 0.60            | 0.089           |
| 11DS0213 | Soil                             | 0.8              | 25.9             | 5.8              | 133            | <0.1             | 11.4             | 22.2             | 710            | 5.80            | 3.3              | 0.4             | <0.5             | 1.8              | 17             | <0.1             | 0.2              | <0.1             | 143           | 0.82            | 0.081           |
| 11DS0214 | Soil                             | 1.4              | 28.9             | 6.4              | 92             | 0.1              | 14.6             | 14.7             | 576            | 4.03            | 4.5              | 0.6             | 7.4              | 2.8              | 28             | 0.1              | 0.2              | <0.1             | 92            | 0.67            | 0.063           |
| 11DS0215 | Soil                             | 0.7              | 34.2             | 7.0              | 85             | <0.1             | 13.0             | 12.9             | 310            | 2.81            | 3.7              | 0.5             | 2.8              | 2.9              | 40             | 0.1              | 0.2              | <0.1             | 47            | 0.54            | 0.101           |



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**Project:** None Given  
**Report Date:** July 17, 2011

**Page:** 5 of 11 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0185 | Soil                             | 5     | 18    | 0.61  | 130   | 0.128 | <1    | 1.54  | 0.009 | 0.21  | <0.1  | <0.01 | 1.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0186 | Soil                             | 5     | 14    | 0.72  | 103   | 0.151 | <1    | 1.71  | 0.009 | 0.16  | <0.1  | <0.01 | 2.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0187 | Soil                             | 14    | 37    | 1.38  | 493   | 0.215 | <1    | 2.38  | 0.011 | 0.49  | 0.1   | <0.01 | 6.4   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0188 | Soil                             | 14    | 39    | 1.21  | 569   | 0.171 | 1     | 2.13  | 0.010 | 0.37  | 0.1   | 0.03  | 5.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0189 | Soil                             | 8     | 42    | 0.70  | 283   | 0.139 | <1    | 2.18  | 0.010 | 0.14  | 0.1   | 0.02  | 4.1   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0190 | Soil                             | 9     | 37    | 0.81  | 216   | 0.160 | <1    | 1.86  | 0.012 | 0.12  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0191 | Soil                             | 9     | 106   | 2.39  | 1328  | 0.233 | <1    | 3.37  | 0.011 | 0.93  | 0.1   | <0.01 | 8.7   | 0.5   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0192 | Soil                             | 16    | 33    | 2.59  | 584   | 0.176 | <1    | 2.77  | 0.009 | 0.37  | <0.1  | 0.01  | 21.0  | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS0193 | Soil                             | 7     | 25    | 1.00  | 216   | 0.187 | 1     | 1.75  | 0.010 | 0.16  | 0.2   | 0.01  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0194 | Soil                             | 10    | 31    | 0.77  | 314   | 0.089 | <1    | 1.71  | 0.008 | 0.07  | 0.1   | 0.03  | 3.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0195 | Soil                             | 11    | 30    | 0.94  | 437   | 0.129 | 1     | 1.90  | 0.011 | 0.09  | 0.2   | 0.04  | 4.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0196 | Soil                             | 12    | 40    | 1.05  | 455   | 0.122 | 1     | 1.96  | 0.011 | 0.11  | 0.2   | 0.03  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0197 | Soil                             | 17    | 16    | 0.23  | 498   | 0.010 | 2     | 1.14  | 0.008 | 0.08  | 0.1   | 0.05  | 2.9   | 0.1   | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0198 | Soil                             | 20    | 18    | 0.19  | 275   | 0.017 | <1    | 0.90  | 0.006 | 0.09  | <0.1  | <0.01 | 4.2   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0199 | Soil                             | 12    | 33    | 0.45  | 217   | 0.050 | <1    | 2.30  | 0.008 | 0.07  | 0.1   | 0.01  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0200 | Soil                             | 12    | 28    | 0.42  | 171   | 0.039 | 1     | 2.04  | 0.006 | 0.06  | <0.1  | 0.01  | 4.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0201 | Soil                             | 12    | 30    | 0.45  | 168   | 0.052 | 2     | 2.00  | 0.011 | 0.07  | <0.1  | 0.02  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0202 | Soil                             | 17    | 29    | 0.41  | 294   | 0.045 | 2     | 1.68  | 0.010 | 0.08  | 0.1   | 0.02  | 5.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0203 | Soil                             | 10    | 39    | 0.51  | 161   | 0.069 | 2     | 2.61  | 0.013 | 0.10  | 0.1   | 0.03  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0204 | Soil                             | 16    | 38    | 0.92  | 417   | 0.100 | 2     | 2.32  | 0.011 | 0.22  | 0.1   | 0.03  | 13.3  | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11DS0205 | Soil                             | 13    | 54    | 1.71  | 489   | 0.136 | <1    | 2.77  | 0.013 | 0.38  | <0.1  | <0.01 | 11.9  | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0206 | Soil                             | 15    | 26    | 1.59  | 364   | 0.113 | <1    | 3.03  | 0.011 | 0.27  | <0.1  | 0.01  | 12.3  | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0207 | Soil                             | 18    | 32    | 0.88  | 283   | 0.100 | 2     | 1.82  | 0.010 | 0.19  | <0.1  | <0.01 | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0208 | Soil                             | 16    | 52    | 1.09  | 457   | 0.103 | 2     | 1.92  | 0.015 | 0.12  | 0.1   | 0.04  | 5.2   | 0.1   | 0.06  | 6     | <0.5  | <0.2  |
| 11DS0209 | Soil                             | 29    | 118   | 1.24  | 864   | 0.063 | 3     | 2.54  | 0.012 | 0.12  | <0.1  | 0.04  | 8.6   | 0.2   | 0.05  | 7     | <0.5  | <0.2  |
| 11DS0210 | Soil                             | 19    | 26    | 0.82  | 263   | 0.084 | <1    | 1.94  | 0.009 | 0.18  | <0.1  | <0.01 | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0212 | Soil                             | 14    | 32    | 1.01  | 343   | 0.127 | 1     | 1.99  | 0.020 | 0.31  | 0.1   | <0.01 | 6.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0213 | Soil                             | 9     | 18    | 1.87  | 321   | 0.186 | <1    | 3.04  | 0.046 | 0.16  | <0.1  | <0.01 | 12.7  | <0.1  | <0.05 | 12    | <0.5  | <0.2  |
| 11DS0214 | Soil                             | 14    | 25    | 1.07  | 379   | 0.159 | 1     | 2.34  | 0.019 | 0.18  | <0.1  | 0.03  | 6.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0215 | Soil                             | 11    | 18    | 0.69  | 273   | 0.087 | 1     | 1.93  | 0.012 | 0.14  | <0.1  | <0.01 | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |



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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0216 | Soil |                                  | 1.0   | 33.6  | 5.9   | 86    | 0.1   | 13.3  | 14.1  | 567   | 3.61  | 5.0   | 0.7   | 16.3  | 2.1   | 39    | 0.1   | 0.2   | <0.1  | 88    | 0.89  | 0.078 |
| 11DS0217 | Soil |                                  | 1.4   | 32.5  | 5.9   | 108   | <0.1  | 10.5  | 14.8  | 553   | 4.36  | 4.5   | 0.7   | 2.2   | 2.1   | 28    | <0.1  | 0.2   | <0.1  | 93    | 0.68  | 0.111 |
| 11DS0218 | Soil |                                  | 1.4   | 27.7  | 6.4   | 69    | <0.1  | 19.0  | 11.8  | 525   | 3.20  | 6.4   | 0.7   | 9.5   | 3.6   | 23    | <0.1  | 0.3   | 0.1   | 70    | 0.56  | 0.051 |
| 11DS0219 | Soil |                                  | 1.0   | 23.6  | 4.0   | 71    | 0.1   | 9.9   | 8.7   | 712   | 2.91  | 2.3   | 0.8   | 8.6   | 4.3   | 14    | 0.1   | 0.2   | <0.1  | 49    | 0.47  | 0.045 |
| 11DS0220 | Soil |                                  | 0.7   | 39.6  | 7.2   | 81    | 0.5   | 27.8  | 12.1  | 547   | 2.73  | 3.0   | 1.8   | 9.8   | 1.6   | 41    | 0.3   | 0.2   | <0.1  | 66    | 1.13  | 0.095 |
| 11DS0221 | Soil |                                  | 0.8   | 38.1  | 8.5   | 80    | 0.5   | 28.2  | 13.1  | 573   | 2.85  | 3.1   | 1.8   | 10.7  | 1.8   | 39    | 0.3   | 0.2   | <0.1  | 71    | 1.07  | 0.092 |
| 11DS0222 | Soil |                                  | 0.7   | 34.9  | 6.2   | 80    | 0.4   | 23.4  | 9.5   | 424   | 2.61  | 2.2   | 1.4   | 9.2   | 1.8   | 37    | 0.4   | 0.2   | <0.1  | 49    | 0.93  | 0.103 |
| 11DS0223 | Soil |                                  | 0.9   | 25.7  | 6.0   | 87    | 0.2   | 17.9  | 11.6  | 793   | 3.06  | 2.1   | 0.9   | 36.2  | 3.2   | 22    | 0.2   | 0.1   | <0.1  | 55    | 0.68  | 0.080 |
| 11DS0224 | Soil |                                  | 0.8   | 19.7  | 4.9   | 85    | 0.2   | 14.5  | 8.9   | 610   | 2.86  | 3.1   | 0.6   | 6.0   | 2.8   | 22    | 0.2   | 0.2   | 0.1   | 58    | 0.57  | 0.043 |
| 11DS0225 | Soil |                                  | 1.1   | 22.2  | 7.4   | 86    | <0.1  | 18.6  | 12.3  | 600   | 3.17  | 4.5   | 0.7   | 11.3  | 4.7   | 21    | <0.1  | 0.3   | 0.1   | 67    | 0.47  | 0.036 |
| 11DS0226 | Soil |                                  | 1.2   | 21.7  | 4.2   | 136   | <0.1  | 13.5  | 15.7  | 763   | 3.54  | 2.1   | 1.1   | 15.0  | 6.1   | 14    | <0.1  | 0.2   | <0.1  | 61    | 0.31  | 0.046 |
| 11DS0227 | Soil |                                  | 1.2   | 26.7  | 8.7   | 94    | 0.3   | 19.7  | 13.4  | 738   | 3.60  | 4.1   | 1.0   | 17.5  | 3.6   | 27    | 0.3   | 0.4   | 0.1   | 78    | 0.66  | 0.065 |
| 11DS0228 | Soil |                                  | 1.2   | 25.9  | 6.8   | 92    | 0.2   | 18.9  | 12.1  | 654   | 3.67  | 3.7   | 1.0   | 27.2  | 4.4   | 25    | 0.2   | 0.3   | <0.1  | 75    | 0.58  | 0.064 |
| 11DS0229 | Soil |                                  | 1.1   | 23.1  | 6.5   | 91    | 0.1   | 16.1  | 12.3  | 500   | 3.28  | 2.9   | 1.1   | 19.0  | 4.5   | 22    | 0.2   | 0.2   | <0.1  | 64    | 0.57  | 0.076 |
| 11DS0230 | Soil |                                  | 1.1   | 23.1  | 5.1   | 93    | 0.2   | 12.7  | 12.0  | 827   | 3.59  | 3.3   | 1.0   | 6.6   | 4.5   | 23    | 0.2   | 0.1   | <0.1  | 70    | 0.66  | 0.107 |
| 11DS0231 | Soil |                                  | 0.8   | 28.2  | 7.3   | 69    | 0.1   | 23.6  | 11.7  | 505   | 2.88  | 4.2   | 0.6   | 3.5   | 2.5   | 26    | 0.1   | 0.2   | <0.1  | 77    | 0.69  | 0.077 |
| 11DS0232 | Soil |                                  | 0.7   | 56.4  | 3.5   | 109   | <0.1  | 35.5  | 23.9  | 755   | 5.02  | 2.0   | 0.7   | 1.9   | 3.0   | 17    | <0.1  | <0.1  | <0.1  | 103   | 0.61  | 0.125 |
| 11CB0186 | Soil |                                  | 0.4   | 28.0  | 6.5   | 104   | 0.1   | 18.4  | 22.0  | 400   | 3.71  | 2.1   | 0.4   | 3.7   | 1.7   | 22    | 0.1   | 0.1   | <0.1  | 110   | 0.53  | 0.101 |
| 11CB0187 | Soil |                                  | 1.4   | 17.3  | 7.4   | 94    | 0.3   | 29.4  | 14.5  | 727   | 4.06  | 3.4   | 0.6   | 8.8   | 1.1   | 23    | 0.2   | 0.2   | <0.1  | 82    | 0.38  | 0.079 |
| 11CB0188 | Soil |                                  | 0.9   | 17.2  | 7.1   | 60    | <0.1  | 20.8  | 10.9  | 398   | 2.78  | 7.2   | 0.7   | 14.0  | 4.2   | 18    | <0.1  | 0.3   | 0.1   | 57    | 0.22  | 0.030 |
| 11CB0189 | Soil |                                  | 2.7   | 14.1  | 7.0   | 87    | 0.1   | 21.5  | 12.6  | 598   | 2.79  | 3.5   | 0.9   | 9.8   | 1.7   | 51    | 0.2   | 0.2   | 0.3   | 52    | 0.87  | 0.106 |
| 11CB0190 | Soil |                                  | 1.9   | 25.2  | 8.7   | 56    | 0.1   | 45.1  | 14.1  | 440   | 2.43  | 3.0   | 0.7   | 9.7   | 2.5   | 60    | <0.1  | 0.3   | 0.2   | 64    | 0.86  | 0.118 |
| 11CB0191 | Soil |                                  | 4.6   | 46.3  | 5.8   | 77    | 0.4   | 223.3 | 33.0  | 1010  | 5.07  | 5.6   | 0.9   | 26.4  | 7.2   | 178   | <0.1  | 0.3   | 0.2   | 107   | 1.57  | 0.560 |
| 11CB0192 | Soil |                                  | 0.9   | 16.5  | 9.8   | 51    | <0.1  | 24.3  | 9.4   | 275   | 3.13  | 6.8   | 0.5   | 10.0  | 2.5   | 15    | <0.1  | 0.4   | 0.2   | 68    | 0.16  | 0.032 |
| 11CB0193 | Soil |                                  | 0.4   | 10.0  | 4.6   | 95    | <0.1  | 11.8  | 17.1  | 792   | 3.85  | 3.0   | 0.4   | 1.9   | 2.2   | 14    | <0.1  | 0.2   | 0.2   | 81    | 0.22  | 0.046 |
| 11CB0194 | Soil |                                  | 1.4   | 13.8  | 7.6   | 65    | 0.1   | 14.3  | 9.5   | 397   | 3.56  | 7.2   | 0.4   | 3.7   | 2.2   | 11    | <0.1  | 0.4   | 0.2   | 73    | 0.10  | 0.030 |
| 11CB0195 | Soil |                                  | 1.2   | 51.3  | 7.8   | 76    | 0.2   | 19.4  | 10.5  | 474   | 3.76  | 8.8   | 0.4   | 4.7   | 2.3   | 13    | 0.2   | 0.5   | 0.2   | 72    | 0.14  | 0.029 |
| 11CB0196 | Soil |                                  | 1.2   | 28.4  | 7.3   | 64    | 0.2   | 11.2  | 7.3   | 373   | 3.24  | 6.5   | 0.4   | 3.3   | 2.1   | 11    | <0.1  | 0.4   | 0.2   | 61    | 0.11  | 0.021 |
| 11CB0197 | Soil |                                  | 0.7   | 19.2  | 13.3  | 61    | 0.2   | 29.5  | 12.1  | 587   | 3.03  | 4.1   | 0.8   | 12.1  | 4.6   | 25    | <0.1  | 0.3   | 0.2   | 59    | 0.25  | 0.040 |
| 11CB0198 | Soil |                                  | 1.1   | 20.1  | 8.5   | 60    | <0.1  | 19.8  | 8.6   | 304   | 3.05  | 6.2   | 0.5   | 9.1   | 3.1   | 9     | <0.1  | 0.5   | 0.2   | 60    | 0.07  | 0.015 |





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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0216 | Soil                             | 10    | 23    | 0.97  | 284   | 0.173 | 2     | 2.31  | 0.022 | 0.22  | 0.1   | 0.03  | 6.0   | <0.1  | <0.05 | 7     | 0.8   | <0.2  |
| 11DS0217 | Soil                             | 9     | 15    | 1.06  | 353   | 0.229 | 6     | 2.85  | 0.025 | 0.40  | <0.1  | <0.01 | 4.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0218 | Soil                             | 15    | 30    | 0.71  | 366   | 0.083 | 2     | 2.02  | 0.021 | 0.13  | <0.1  | <0.01 | 6.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0219 | Soil                             | 20    | 16    | 0.56  | 284   | 0.053 | 1     | 1.52  | 0.010 | 0.19  | <0.1  | 0.02  | 6.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0220 | Soil                             | 18    | 51    | 0.95  | 729   | 0.089 | 2     | 2.00  | 0.020 | 0.13  | <0.1  | 0.08  | 8.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0221 | Soil                             | 17    | 54    | 1.00  | 671   | 0.096 | 2     | 2.04  | 0.021 | 0.13  | <0.1  | 0.06  | 8.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0222 | Soil                             | 20    | 32    | 0.71  | 712   | 0.055 | 2     | 1.85  | 0.014 | 0.15  | <0.1  | 0.07  | 6.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0223 | Soil                             | 16    | 29    | 0.79  | 480   | 0.059 | 1     | 1.73  | 0.014 | 0.19  | <0.1  | 0.02  | 6.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0224 | Soil                             | 16    | 25    | 0.66  | 444   | 0.061 | 1     | 1.98  | 0.012 | 0.19  | <0.1  | 0.02  | 5.5   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11DS0225 | Soil                             | 18    | 39    | 0.83  | 370   | 0.092 | 1     | 2.11  | 0.012 | 0.15  | <0.1  | 0.01  | 6.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0226 | Soil                             | 24    | 25    | 0.94  | 353   | 0.106 | 1     | 1.82  | 0.012 | 0.43  | 0.1   | <0.01 | 9.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0227 | Soil                             | 20    | 36    | 0.85  | 474   | 0.113 | 1     | 2.41  | 0.017 | 0.19  | 0.1   | 0.02  | 8.3   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0228 | Soil                             | 21    | 35    | 0.86  | 488   | 0.110 | <1    | 2.38  | 0.015 | 0.27  | 0.1   | 0.02  | 7.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0229 | Soil                             | 22    | 27    | 0.74  | 460   | 0.092 | <1    | 2.12  | 0.014 | 0.30  | <0.1  | 0.03  | 7.2   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11DS0230 | Soil                             | 21    | 24    | 0.85  | 368   | 0.126 | 1     | 2.08  | 0.018 | 0.42  | <0.1  | 0.03  | 6.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0231 | Soil                             | 15    | 52    | 1.00  | 223   | 0.139 | 2     | 1.99  | 0.027 | 0.16  | <0.1  | 0.02  | 4.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0232 | Soil                             | 19    | 49    | 1.66  | 361   | 0.095 | <1    | 2.74  | 0.028 | 0.48  | <0.1  | <0.01 | 8.9   | 0.1   | <0.05 | 11    | <0.5  | 0.3   |
| 11CB0186 | Soil                             | 8     | 26    | 1.55  | 528   | 0.183 | <1    | 2.46  | 0.022 | 0.37  | <0.1  | 0.01  | 5.4   | 0.1   | <0.05 | 8     | 0.5   | <0.2  |
| 11CB0187 | Soil                             | 15    | 41    | 0.54  | 572   | 0.035 | 3     | 1.75  | 0.010 | 0.16  | <0.1  | 0.04  | 14.4  | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0188 | Soil                             | 14    | 33    | 0.60  | 267   | 0.074 | 2     | 2.19  | 0.011 | 0.09  | <0.1  | 0.03  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0189 | Soil                             | 9     | 39    | 0.96  | 449   | 0.093 | <1    | 1.45  | 0.010 | 0.06  | 0.2   | 0.04  | 3.0   | <0.1  | <0.05 | 5     | 1.1   | <0.2  |
| 11CB0190 | Soil                             | 12    | 64    | 1.20  | 458   | 0.086 | <1    | 1.66  | 0.011 | 0.05  | 0.1   | 0.03  | 3.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0191 | Soil                             | 50    | 345   | 4.00  | 1047  | 0.122 | <1    | 3.09  | 0.011 | 0.06  | 0.2   | 0.04  | 9.5   | <0.1  | <0.05 | 9     | 1.0   | 0.2   |
| 11CB0192 | Soil                             | 9     | 46    | 0.71  | 284   | 0.082 | 1     | 1.74  | 0.007 | 0.05  | 0.2   | 0.03  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0193 | Soil                             | 14    | 25    | 1.15  | 261   | 0.086 | <1    | 1.93  | 0.006 | 0.13  | 0.1   | <0.01 | 9.7   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0194 | Soil                             | 8     | 29    | 0.71  | 205   | 0.073 | <1    | 2.02  | 0.006 | 0.07  | 0.2   | 0.02  | 4.6   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11CB0195 | Soil                             | 7     | 33    | 0.70  | 277   | 0.072 | <1    | 2.24  | 0.007 | 0.08  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11CB0196 | Soil                             | 6     | 24    | 0.64  | 207   | 0.094 | <1    | 1.78  | 0.006 | 0.15  | 0.1   | 0.01  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0197 | Soil                             | 19    | 56    | 0.98  | 553   | 0.104 | <1    | 1.74  | 0.007 | 0.20  | 0.1   | 0.03  | 4.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0198 | Soil                             | 9     | 33    | 0.68  | 298   | 0.077 | <1    | 1.75  | 0.006 | 0.08  | 0.1   | 0.03  | 3.5   | 0.1   | <0.05 | 6     | 0.9   | <0.2  |



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Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11CB0199 | Soil                             | 1.0   | 17.9  | 7.1   | 54    | 0.1   | 16.3  | 8.7   | 299   | 2.88  | 6.5   | 0.4   | 2.0   | 2.5   | 13    | <0.1  | 0.4   | 0.2   | 58    | 0.13  | 0.012 |
| 11CB0200 | Soil                             | 5.7   | 20.1  | 10.9  | 60    | 0.2   | 25.2  | 11.4  | 421   | 3.75  | 7.3   | 0.8   | 19.8  | 2.6   | 17    | <0.1  | 0.4   | 0.2   | 71    | 0.19  | 0.026 |
| 11CB0201 | Soil                             | 4.5   | 21.9  | 10.2  | 62    | 0.2   | 23.4  | 11.7  | 439   | 3.60  | 7.9   | 0.9   | 17.9  | 3.4   | 16    | 0.1   | 0.4   | 0.2   | 68    | 0.17  | 0.024 |
| 11CB0202 | Soil                             | 1.9   | 23.7  | 5.7   | 103   | <0.1  | 19.5  | 16.4  | 1097  | 4.69  | 4.8   | 0.4   | 5.0   | 2.6   | 14    | <0.1  | 0.3   | 0.3   | 94    | 0.26  | 0.060 |
| 11CB0203 | Soil                             | 3.0   | 39.0  | 7.8   | 137   | <0.1  | 12.7  | 15.1  | 704   | 4.61  | 2.7   | 0.4   | 20.7  | 2.4   | 18    | 0.1   | 0.2   | 0.1   | 70    | 0.61  | 0.130 |
| 11CB0204 | Soil                             | 2.2   | 23.2  | 7.7   | 71    | <0.1  | 14.0  | 9.6   | 463   | 3.38  | 3.9   | 1.4   | 21.4  | 4.1   | 14    | <0.1  | 0.3   | 0.1   | 49    | 0.32  | 0.024 |
| 11CB0205 | Soil                             | 0.8   | 9.3   | 4.0   | 129   | <0.1  | 5.6   | 14.3  | 648   | 4.51  | 1.9   | 0.4   | 3.2   | 2.1   | 19    | <0.1  | 0.1   | <0.1  | 65    | 0.82  | 0.151 |
| 11CB0206 | Soil                             | 1.6   | 20.1  | 9.3   | 73    | <0.1  | 19.1  | 11.0  | 356   | 3.57  | 8.0   | 0.4   | 2.7   | 2.1   | 21    | 0.1   | 0.4   | 0.2   | 76    | 0.34  | 0.026 |
| 11CB0207 | Soil                             | 1.9   | 14.9  | 8.5   | 78    | 0.1   | 30.7  | 13.2  | 623   | 3.60  | 7.5   | 0.6   | 14.1  | 2.2   | 24    | <0.1  | 0.3   | 0.2   | 71    | 0.43  | 0.056 |
| 11CB0208 | Soil                             | 1.2   | 19.3  | 9.4   | 65    | <0.1  | 20.9  | 11.5  | 415   | 3.55  | 8.4   | 0.5   | 11.6  | 2.2   | 17    | <0.1  | 0.3   | 0.2   | 71    | 0.24  | 0.039 |
| 11CB0209 | Soil                             | 0.7   | 18.6  | 6.8   | 68    | <0.1  | 18.8  | 13.7  | 536   | 3.59  | 6.7   | 0.4   | 18.5  | 2.5   | 15    | 0.1   | 0.3   | 0.1   | 67    | 0.21  | 0.044 |
| 11CB0210 | Soil                             | 0.9   | 28.3  | 7.9   | 58    | <0.1  | 21.4  | 10.7  | 333   | 2.54  | 7.6   | 0.7   | 3.3   | 1.9   | 18    | <0.1  | 0.4   | 0.2   | 55    | 0.21  | 0.064 |
| 11CB0211 | Soil                             | 1.1   | 16.7  | 9.8   | 77    | 0.1   | 20.8  | 12.6  | 468   | 4.06  | 8.5   | 0.3   | 4.8   | 2.1   | 11    | <0.1  | 0.4   | 0.2   | 83    | 0.12  | 0.026 |
| 11CB0212 | Soil                             | 1.0   | 22.8  | 5.3   | 81    | <0.1  | 20.4  | 16.7  | 561   | 4.10  | 5.7   | 0.3   | 1.1   | 1.5   | 12    | <0.1  | 0.2   | <0.1  | 99    | 0.14  | 0.025 |
| 11CB0213 | Soil                             | 1.1   | 21.0  | 7.6   | 76    | <0.1  | 19.7  | 16.9  | 438   | 3.90  | 8.5   | 0.3   | 4.7   | 2.0   | 14    | <0.1  | 0.4   | 0.1   | 93    | 0.21  | 0.035 |
| 11CB0214 | Soil                             | 3.1   | 55.4  | 29.1  | 83    | 0.3   | 61.8  | 17.4  | 316   | 3.58  | 3.5   | 2.4   | 58.4  | 11.0  | 71    | 0.1   | 0.2   | 0.5   | 85    | 1.09  | 0.185 |
| 11CB0215 | Soil                             | 1.6   | 23.7  | 7.4   | 100   | 0.2   | 21.9  | 14.0  | 916   | 3.69  | 3.2   | 0.9   | 15.9  | 2.6   | 37    | 0.3   | 0.3   | 0.1   | 70    | 0.86  | 0.083 |
| 11CB0216 | Soil                             | 1.3   | 20.6  | 6.7   | 62    | 0.2   | 15.5  | 10.0  | 589   | 2.50  | 3.8   | 0.7   | 5.8   | 2.4   | 28    | 0.2   | 0.3   | 0.1   | 48    | 0.57  | 0.041 |
| 11CB0217 | Soil                             | 1.6   | 37.3  | 9.4   | 64    | 0.2   | 26.5  | 12.5  | 521   | 3.35  | 6.2   | 0.9   | 17.6  | 3.4   | 27    | <0.1  | 0.4   | 0.1   | 69    | 0.47  | 0.038 |
| 11CB0218 | Soil                             | 1.6   | 33.3  | 7.0   | 96    | <0.1  | 22.0  | 16.2  | 560   | 4.22  | 3.7   | 0.6   | 69.1  | 3.5   | 22    | <0.1  | 0.2   | 0.1   | 87    | 0.48  | 0.054 |
| 11CB0219 | Soil                             | 1.4   | 13.4  | 8.2   | 90    | 0.2   | 16.7  | 13.7  | 853   | 3.81  | 6.5   | 0.3   | 25.6  | 1.7   | 15    | 0.2   | 0.3   | 0.2   | 84    | 0.23  | 0.058 |
| 11CB0220 | Soil                             | 1.1   | 32.6  | 9.5   | 59    | 0.2   | 26.2  | 10.9  | 319   | 3.27  | 9.3   | 1.0   | 11.9  | 4.0   | 13    | <0.1  | 0.4   | 0.2   | 73    | 0.17  | 0.032 |
| 11CB0221 | Soil                             | 1.0   | 34.8  | 10.1  | 58    | 0.3   | 25.6  | 10.1  | 316   | 3.19  | 9.1   | 1.1   | 12.3  | 4.2   | 14    | <0.1  | 0.4   | 0.2   | 71    | 0.17  | 0.033 |
| 11CB0222 | Soil                             | 1.2   | 14.2  | 10.2  | 38    | 0.1   | 13.6  | 7.4   | 217   | 2.96  | 7.5   | 0.5   | 2.8   | 2.8   | 11    | <0.1  | 0.4   | 0.2   | 72    | 0.09  | 0.018 |
| 11CB0223 | Soil                             | 0.8   | 16.0  | 9.7   | 47    | 0.3   | 13.8  | 9.0   | 384   | 2.41  | 4.5   | 0.7   | 13.0  | 0.4   | 18    | 0.2   | 0.2   | 0.1   | 49    | 0.23  | 0.095 |
| 11CB0224 | Soil                             | 1.0   | 20.3  | 8.5   | 70    | 0.1   | 20.0  | 14.2  | 507   | 3.36  | 7.7   | 0.5   | 9.0   | 2.8   | 16    | 0.1   | 0.3   | 0.1   | 79    | 0.28  | 0.053 |
| 11CB0225 | Soil                             | 0.8   | 41.0  | 8.7   | 91    | 0.2   | 22.6  | 14.7  | 634   | 3.40  | 7.8   | 0.6   | 17.1  | 3.5   | 17    | 0.1   | 0.3   | 0.1   | 72    | 0.27  | 0.057 |
| 11CB0226 | Soil                             | 1.1   | 27.9  | 10.8  | 98    | 0.2   | 13.7  | 10.1  | 735   | 3.33  | 5.5   | 0.9   | 161.3 | 4.3   | 35    | <0.1  | 0.2   | 0.2   | 53    | 0.79  | 0.121 |
| 11CB0227 | Soil                             | 1.6   | 25.7  | 8.3   | 94    | <0.1  | 24.5  | 18.5  | 633   | 4.26  | 13.8  | 0.6   | 10.0  | 3.0   | 28    | <0.1  | 0.3   | 0.1   | 92    | 0.60  | 0.080 |
| 11CB0228 | Soil                             | 1.6   | 43.5  | 7.3   | 76    | 0.4   | 20.8  | 19.4  | 597   | 3.28  | 4.5   | 0.8   | 26.0  | 1.5   | 32    | 0.2   | 0.2   | <0.1  | 82    | 0.91  | 0.089 |



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**Project:** None Given  
**Report Date:** July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0199 | Soil                             | 8     | 29    | 0.68  | 307   | 0.080 | <1    | 1.70  | 0.009 | 0.07  | 0.1   | 0.01  | 2.9   | <0.1  | <0.05 | 5     | 0.9   | <0.2  |
| 11CB0200 | Soil                             | 10    | 48    | 0.64  | 359   | 0.033 | <1    | 1.88  | 0.007 | 0.05  | 0.1   | 0.03  | 5.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0201 | Soil                             | 11    | 42    | 0.59  | 351   | 0.039 | <1    | 1.97  | 0.008 | 0.05  | 0.2   | 0.02  | 5.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0202 | Soil                             | 8     | 34    | 1.38  | 417   | 0.093 | <1    | 2.12  | 0.007 | 0.28  | <0.1  | 0.02  | 7.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0203 | Soil                             | 9     | 23    | 1.80  | 357   | 0.082 | <1    | 2.13  | 0.009 | 0.14  | <0.1  | <0.01 | 9.3   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0204 | Soil                             | 23    | 22    | 0.58  | 463   | 0.048 | <1    | 1.43  | 0.008 | 0.13  | <0.1  | 0.02  | 6.6   | <0.1  | <0.05 | 5     | 1.2   | <0.2  |
| 11CB0205 | Soil                             | 7     | 8     | 1.38  | 340   | 0.091 | <1    | 1.99  | 0.011 | 0.28  | <0.1  | <0.01 | 7.2   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0206 | Soil                             | 6     | 29    | 0.83  | 293   | 0.128 | <1    | 1.88  | 0.010 | 0.16  | 0.1   | 0.01  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0207 | Soil                             | 11    | 42    | 0.89  | 406   | 0.087 | <1    | 2.19  | 0.008 | 0.08  | 0.2   | 0.03  | 4.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0208 | Soil                             | 10    | 33    | 0.70  | 234   | 0.080 | 1     | 2.30  | 0.008 | 0.06  | 0.2   | 0.02  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0209 | Soil                             | 8     | 27    | 0.78  | 207   | 0.116 | <1    | 2.16  | 0.009 | 0.13  | 0.2   | 0.03  | 3.5   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11CB0210 | Soil                             | 12    | 29    | 0.57  | 228   | 0.055 | <1    | 1.71  | 0.010 | 0.05  | 0.2   | 0.03  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0211 | Soil                             | 5     | 30    | 0.79  | 209   | 0.121 | <1    | 2.58  | 0.010 | 0.14  | 0.2   | 0.02  | 2.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0212 | Soil                             | 4     | 36    | 1.41  | 251   | 0.240 | <1    | 2.78  | 0.009 | 0.34  | 0.1   | 0.02  | 2.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0213 | Soil                             | 6     | 31    | 1.16  | 226   | 0.164 | <1    | 2.51  | 0.011 | 0.12  | 0.2   | 0.02  | 4.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0214 | Soil                             | 51    | 132   | 1.64  | 494   | 0.133 | <1    | 1.81  | 0.017 | 0.25  | 0.1   | 0.08  | 7.9   | 0.2   | <0.05 | 7     | 0.9   | 0.3   |
| 11CB0215 | Soil                             | 11    | 33    | 0.85  | 511   | 0.069 | <1    | 1.63  | 0.010 | 0.13  | 0.2   | 0.02  | 6.8   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0216 | Soil                             | 12    | 25    | 0.50  | 591   | 0.023 | <1    | 1.50  | 0.008 | 0.07  | <0.1  | 0.03  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0217 | Soil                             | 14    | 42    | 0.72  | 373   | 0.052 | <1    | 1.97  | 0.010 | 0.05  | 0.1   | 0.03  | 5.9   | <0.1  | <0.05 | 6     | 0.9   | <0.2  |
| 11CB0218 | Soil                             | 14    | 39    | 1.11  | 333   | 0.086 | <1    | 2.22  | 0.011 | 0.08  | <0.1  | 0.01  | 7.1   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0219 | Soil                             | 5     | 31    | 1.03  | 178   | 0.166 | <1    | 2.28  | 0.008 | 0.16  | 0.2   | 0.02  | 3.6   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0220 | Soil                             | 12    | 35    | 0.67  | 225   | 0.080 | <1    | 2.15  | 0.009 | 0.06  | 0.2   | 0.04  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0221 | Soil                             | 12    | 35    | 0.65  | 223   | 0.075 | <1    | 2.07  | 0.009 | 0.06  | 0.2   | 0.03  | 4.3   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11CB0222 | Soil                             | 9     | 32    | 0.49  | 165   | 0.077 | <1    | 1.72  | 0.007 | 0.05  | 0.1   | 0.02  | 2.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0223 | Soil                             | 14    | 22    | 0.55  | 263   | 0.056 | <1    | 1.66  | 0.010 | 0.15  | <0.1  | 0.04  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0224 | Soil                             | 12    | 35    | 0.88  | 239   | 0.106 | 1     | 2.26  | 0.011 | 0.10  | <0.1  | 0.02  | 4.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0225 | Soil                             | 12    | 35    | 0.86  | 264   | 0.091 | 1     | 2.40  | 0.010 | 0.10  | 0.1   | 0.03  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0226 | Soil                             | 24    | 24    | 0.85  | 341   | 0.063 | <1    | 2.39  | 0.009 | 0.26  | <0.1  | 0.02  | 6.7   | 0.2   | <0.05 | 7     | 0.7   | <0.2  |
| 11CB0227 | Soil                             | 11    | 43    | 1.35  | 360   | 0.169 | <1    | 2.42  | 0.009 | 0.34  | 0.1   | 0.01  | 4.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0228 | Soil                             | 12    | 31    | 0.97  | 349   | 0.061 | <1    | 2.14  | 0.014 | 0.08  | <0.1  | 0.05  | 6.9   | <0.1  | 0.05  | 6     | <0.5  | <0.2  |



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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| 11CB0229 | Soil                             | 0.9   | 39.7  | 7.0   | 56    | 0.2   | 14.7  | 10.4  | 281   | 2.65  | 4.2   | 0.5   | 10.9  | 0.7   | 12    | 0.2   | 0.2   | 0.1   | 72    | 0.22  | 0.053 |
| 11CB0230 | Soil                             | 1.0   | 43.1  | 8.2   | 76    | <0.1  | 24.3  | 20.2  | 409   | 3.92  | 6.3   | 0.4   | 28.0  | 2.1   | 14    | 0.1   | 0.2   | 0.1   | 106   | 0.28  | 0.050 |
| 11CB0231 | Soil                             | 1.2   | 31.3  | 8.9   | 47    | <0.1  | 22.3  | 9.9   | 233   | 2.90  | 6.4   | 0.4   | <0.5  | 0.9   | 11    | <0.1  | 0.3   | 0.1   | 98    | 0.14  | 0.038 |
| 11TB0189 | Soil                             | 1.3   | 34.2  | 8.6   | 84    | 0.5   | 91.2  | 31.7  | 2807  | 4.05  | 4.8   | 1.0   | 6.0   | 2.8   | 71    | 0.4   | 0.4   | 0.1   | 74    | 1.10  | 0.232 |
| 11TB0190 | Soil                             | 2.8   | 19.2  | 39.8  | 46    | 0.2   | 16.7  | 6.3   | 231   | 2.89  | 9.6   | 0.4   | 45.0  | 1.8   | 15    | 0.1   | 0.5   | 0.5   | 76    | 0.15  | 0.051 |
| 11TB0191 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11TB0192 | Soil                             | 3.2   | 22.2  | 6.1   | 67    | 0.2   | 17.5  | 14.3  | 496   | 2.70  | 5.2   | 0.9   | 6.4   | 1.2   | 43    | 0.1   | 0.2   | <0.1  | 59    | 1.17  | 0.093 |
| 11TB0193 | Soil                             | 1.7   | 15.0  | 3.9   | 34    | 0.1   | 8.5   | 2.6   | 81    | 0.70  | 1.8   | 0.4   | 3.0   | 0.2   | 37    | 0.3   | 0.1   | 0.1   | 18    | 0.97  | 0.057 |
| 11TB0194 | Soil                             | 5.0   | 30.7  | 6.4   | 92    | 0.4   | 16.6  | 18.8  | 487   | 4.02  | 8.3   | 0.9   | 3.3   | 1.5   | 45    | 0.2   | 0.2   | <0.1  | 76    | 1.13  | 0.086 |
| 11TB0195 | Soil                             | 2.8   | 23.5  | 10.3  | 77    | 0.2   | 31.1  | 15.3  | 316   | 3.66  | 29.0  | 0.7   | 7.5   | 2.3   | 26    | <0.1  | 0.2   | 0.1   | 71    | 0.50  | 0.068 |
| 11TB0196 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11TB0197 | Soil                             | 1.7   | 30.2  | 7.7   | 76    | <0.1  | 28.6  | 12.8  | 617   | 3.31  | 7.2   | 0.6   | 24.0  | 3.6   | 25    | <0.1  | 0.3   | 0.1   | 76    | 0.36  | 0.049 |
| 11TB0198 | Soil                             | 1.4   | 39.7  | 8.2   | 83    | <0.1  | 45.5  | 15.4  | 725   | 3.90  | 7.4   | 0.7   | 37.2  | 4.1   | 32    | <0.1  | 0.3   | 0.1   | 86    | 0.41  | 0.076 |
| 11TB0199 | Soil                             | 1.1   | 68.9  | 9.4   | 75    | <0.1  | 26.6  | 16.1  | 762   | 3.61  | 8.8   | 0.7   | 6.5   | 3.1   | 25    | <0.1  | 0.3   | 0.1   | 85    | 0.38  | 0.035 |
| 11TB0200 | Soil                             | 1.2   | 56.2  | 8.2   | 78    | <0.1  | 26.4  | 15.0  | 692   | 3.96  | 8.8   | 0.7   | 14.1  | 3.5   | 24    | <0.1  | 0.4   | 0.1   | 78    | 0.35  | 0.039 |
| 11TB0201 | Soil                             | 1.3   | 53.1  | 9.1   | 72    | <0.1  | 26.1  | 13.3  | 630   | 3.62  | 8.7   | 0.7   | 12.2  | 3.4   | 23    | <0.1  | 0.4   | 0.1   | 77    | 0.35  | 0.038 |
| 11TB0202 | Soil                             | 1.3   | 34.6  | 9.5   | 48    | 0.2   | 28.2  | 13.3  | 326   | 3.20  | 10.1  | 0.9   | 4.8   | 3.5   | 16    | 0.1   | 0.4   | 0.1   | 69    | 0.22  | 0.041 |
| 11TB0203 | Soil                             | 1.3   | 24.4  | 10.8  | 59    | 0.2   | 18.2  | 11.1  | 543   | 3.24  | 6.7   | 0.5   | 6.1   | 2.0   | 19    | 0.1   | 0.2   | 0.2   | 79    | 0.27  | 0.036 |
| 11TB0204 | Soil                             | 1.2   | 33.4  | 8.0   | 76    | <0.1  | 23.1  | 14.0  | 509   | 4.04  | 7.6   | 0.6   | 10.3  | 3.6   | 21    | 0.1   | 0.3   | 0.1   | 83    | 0.25  | 0.030 |
| 11TB0205 | Soil                             | 1.0   | 30.5  | 8.1   | 67    | 0.2   | 23.9  | 12.0  | 476   | 3.29  | 7.2   | 0.7   | 5.9   | 3.4   | 23    | <0.1  | 0.3   | 0.1   | 72    | 0.45  | 0.043 |
| 11TB0206 | Soil                             | 1.2   | 34.0  | 7.5   | 78    | 0.2   | 19.8  | 15.8  | 1400  | 3.77  | 5.8   | 0.9   | 28.8  | 3.4   | 24    | <0.1  | 0.2   | 0.1   | 78    | 0.57  | 0.056 |
| 11TB0207 | Soil                             | 1.1   | 28.9  | 7.1   | 78    | <0.1  | 20.4  | 14.1  | 659   | 3.81  | 6.1   | 0.6   | 41.3  | 3.0   | 19    | <0.1  | 0.2   | 0.1   | 82    | 0.43  | 0.044 |
| 11TB0208 | Soil                             | 0.9   | 14.7  | 10.6  | 101   | <0.1  | 12.5  | 7.7   | 359   | 2.69  | 5.9   | 0.4   | 3.2   | 1.7   | 33    | 0.2   | 0.2   | 0.1   | 51    | 0.38  | 0.040 |
| 11TB0209 | Soil                             | 1.1   | 23.5  | 10.1  | 63    | <0.1  | 15.5  | 10.1  | 303   | 2.67  | 8.6   | 0.5   | 1.1   | 1.6   | 30    | <0.1  | 0.2   | <0.1  | 56    | 0.44  | 0.036 |
| 11TB0210 | Soil                             | 1.0   | 30.0  | 7.4   | 83    | 0.1   | 17.8  | 12.2  | 758   | 3.67  | 5.6   | 0.6   | 26.7  | 3.5   | 25    | 0.1   | 0.3   | 0.1   | 82    | 0.67  | 0.049 |
| 11TB0211 | Soil                             | 1.0   | 25.2  | 6.8   | 94    | 0.1   | 17.5  | 14.3  | 845   | 3.81  | 5.0   | 0.5   | 10.0  | 4.1   | 23    | <0.1  | 0.3   | 0.1   | 78    | 0.56  | 0.043 |
| 11TB0212 | Soil                             | 1.2   | 21.0  | 6.2   | 98    | 0.2   | 16.2  | 18.3  | 748   | 4.23  | 5.3   | 0.5   | 35.7  | 2.9   | 19    | <0.1  | 0.2   | <0.1  | 99    | 0.27  | 0.034 |
| 11TB0213 | Soil                             | 0.9   | 33.9  | 4.8   | 120   | 0.3   | 16.8  | 16.2  | 1761  | 3.65  | 4.5   | 0.8   | 4.3   | 3.2   | 20    | 0.3   | 0.2   | 0.1   | 73    | 0.32  | 0.075 |
| 11TB0214 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11TB0215 | Soil                             | 3.2   | 21.9  | 9.2   | 86    | <0.1  | 21.1  | 12.9  | 1012  | 3.70  | 5.2   | 0.8   | 2.3   | 3.0   | 18    | 0.2   | 0.2   | <0.1  | 65    | 0.30  | 0.060 |



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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0229 | Soil                             | 8     | 26    | 0.65  | 139   | 0.062 | 1     | 1.77  | 0.010 | 0.07  | <0.1  | 0.03  | 3.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0230 | Soil                             | 8     | 36    | 1.27  | 195   | 0.130 | 1     | 2.79  | 0.008 | 0.11  | <0.1  | <0.01 | 5.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0231 | Soil                             | 8     | 44    | 0.67  | 124   | 0.079 | <1    | 1.72  | 0.008 | 0.06  | <0.1  | 0.01  | 3.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0189 | Soil                             | 28    | 51    | 0.62  | 1113  | 0.022 | 3     | 1.69  | 0.012 | 0.14  | <0.1  | 0.07  | 13.8  | 0.1   | 0.08  | 4     | 0.7   | <0.2  |
| 11TB0190 | Soil                             | 11    | 32    | 0.26  | 251   | 0.064 | 2     | 1.13  | 0.005 | 0.07  | 0.2   | 0.02  | 2.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0191 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11TB0192 | Soil                             | 8     | 31    | 0.86  | 574   | 0.101 | <1    | 1.95  | 0.017 | 0.11  | 0.1   | 0.05  | 3.5   | 0.2   | 0.09  | 6     | 0.6   | <0.2  |
| 11TB0193 | Soil                             | 4     | 21    | 0.20  | 258   | 0.032 | 2     | 0.50  | 0.011 | 0.04  | <0.1  | 0.04  | 1.4   | <0.1  | 0.15  | 3     | 0.5   | <0.2  |
| 11TB0194 | Soil                             | 8     | 22    | 1.10  | 525   | 0.194 | <1    | 2.70  | 0.041 | 0.38  | 0.1   | 0.04  | 3.0   | 0.4   | 0.07  | 6     | <0.5  | <0.2  |
| 11TB0195 | Soil                             | 12    | 47    | 1.03  | 367   | 0.110 | 1     | 2.39  | 0.014 | 0.11  | 0.1   | 0.02  | 3.3   | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| 11TB0196 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11TB0197 | Soil                             | 18    | 43    | 0.90  | 292   | 0.112 | <1    | 2.17  | 0.012 | 0.10  | 0.1   | 0.03  | 5.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0198 | Soil                             | 25    | 70    | 1.08  | 408   | 0.105 | 1     | 2.42  | 0.011 | 0.12  | <0.1  | 0.02  | 7.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0199 | Soil                             | 17    | 41    | 0.95  | 319   | 0.114 | <1    | 2.27  | 0.014 | 0.09  | 0.1   | 0.02  | 6.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0200 | Soil                             | 21    | 42    | 0.81  | 270   | 0.094 | <1    | 2.47  | 0.014 | 0.10  | <0.1  | 0.05  | 7.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0201 | Soil                             | 19    | 43    | 0.77  | 274   | 0.089 | 1     | 2.34  | 0.013 | 0.09  | <0.1  | 0.03  | 7.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0202 | Soil                             | 13    | 39    | 0.52  | 342   | 0.062 | 1     | 2.41  | 0.009 | 0.06  | 0.1   | 0.03  | 4.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0203 | Soil                             | 12    | 34    | 0.62  | 236   | 0.089 | <1    | 2.39  | 0.010 | 0.08  | 0.1   | 0.03  | 4.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0204 | Soil                             | 14    | 44    | 0.93  | 259   | 0.122 | 1     | 3.05  | 0.011 | 0.10  | <0.1  | 0.02  | 6.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0205 | Soil                             | 15    | 40    | 0.79  | 334   | 0.100 | 2     | 2.40  | 0.013 | 0.08  | 0.1   | 0.03  | 6.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0206 | Soil                             | 16    | 36    | 0.91  | 415   | 0.105 | 1     | 2.56  | 0.015 | 0.12  | <0.1  | 0.03  | 7.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0207 | Soil                             | 12    | 37    | 1.01  | 300   | 0.119 | <1    | 2.59  | 0.012 | 0.12  | 0.1   | 0.03  | 5.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0208 | Soil                             | 6     | 20    | 0.52  | 191   | 0.089 | <1    | 1.82  | 0.008 | 0.14  | <0.1  | <0.01 | 1.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0209 | Soil                             | 5     | 30    | 0.79  | 218   | 0.089 | <1    | 1.93  | 0.011 | 0.17  | <0.1  | <0.01 | 2.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0210 | Soil                             | 16    | 36    | 0.85  | 338   | 0.099 | 1     | 2.48  | 0.011 | 0.13  | <0.1  | 0.02  | 7.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0211 | Soil                             | 17    | 36    | 0.92  | 291   | 0.113 | 1     | 2.25  | 0.010 | 0.24  | <0.1  | 0.02  | 7.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0212 | Soil                             | 12    | 49    | 1.31  | 309   | 0.118 | <1    | 2.86  | 0.011 | 0.18  | 0.1   | 0.02  | 8.9   | 0.1   | <0.05 | 9     | 0.5   | <0.2  |
| 11TB0213 | Soil                             | 14    | 26    | 1.05  | 475   | 0.116 | 1     | 2.53  | 0.009 | 0.32  | <0.1  | 0.02  | 8.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0214 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11TB0215 | Soil                             | 15    | 31    | 0.75  | 476   | 0.041 | <1    | 1.90  | 0.008 | 0.14  | <0.1  | 0.01  | 7.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |



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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11TB0216 | Soil                             | 1.1        | 35.8       | 9.8        | 80       | <0.1       | 24.4       | 13.2       | 442      | 3.60      | 8.1        | 0.5        | 2.4        | 3.2        | 23       | 0.2        | 0.4        | 0.2        | 91       | 0.38      |
| 11TB0217 | Soil                             | 2.1        | 33.2       | 7.7        | 88       | 0.1        | 22.7       | 13.7       | 535      | 3.61      | 6.9        | 0.9        | 56.3       | 4.7        | 25       | <0.1       | 0.5        | 0.2        | 77       | 0.43      |
| 11TB0218 | Soil                             | 1.5        | 20.0       | 8.6        | 71       | <0.1       | 13.4       | 9.6        | 335      | 3.24      | 6.1        | 0.5        | 8.0        | 3.0        | 30       | 0.1        | 0.4        | 0.3        | 62       | 0.41      |
| 11TB0219 | Soil                             | 0.8        | 20.8       | 7.0        | 87       | <0.1       | 15.7       | 13.1       | 573      | 3.18      | 5.3        | 0.7        | 16.4       | 3.1        | 36       | 0.2        | 0.3        | 0.2        | 59       | 0.59      |
| 11TB0220 | Soil                             | 0.6        | 17.5       | 7.0        | 75       | <0.1       | 16.1       | 10.4       | 351      | 2.70      | 4.4        | 0.7        | 6.5        | 2.5        | 41       | 0.1        | 0.3        | 0.1        | 64       | 0.69      |
| 11TB0221 | Soil                             | 1.2        | 39.6       | 5.3        | 103      | 0.2        | 15.5       | 15.1       | 644      | 4.17      | 4.7        | 1.5        | 4.3        | 1.8        | 56       | 0.2        | 0.2        | <0.1       | 92       | 0.97      |
| 11TB0222 | Soil                             | 1.0        | 37.7       | 4.8        | 92       | 0.2        | 15.1       | 11.9       | 565      | 3.26      | 4.0        | 1.8        | 5.1        | 1.5        | 71       | 0.3        | 0.3        | <0.1       | 70       | 1.36      |
| 11TB0223 | Soil                             | 1.5        | 26.9       | 7.6        | 84       | 0.1        | 20.2       | 13.5       | 651      | 3.63      | 7.3        | 0.7        | 139.3      | 3.5        | 30       | 0.1        | 0.4        | 0.1        | 77       | 0.55      |
| 11TB0224 | Soil                             | 2.0        | 25.2       | 8.1        | 79       | 0.1        | 17.4       | 11.0       | 622      | 3.17      | 5.2        | 1.0        | 24.1       | 4.0        | 30       | 0.1        | 0.4        | 0.1        | 60       | 0.72      |
| 11TB0225 | Soil                             | 1.1        | 23.7       | 4.8        | 102      | <0.1       | 11.7       | 15.1       | 758      | 4.97      | 3.9        | 0.5        | 1.9        | 3.6        | 19       | 0.1        | 0.2        | 0.1        | 93       | 0.48      |
| 11TB0226 | Soil                             | 0.8        | 30.3       | 6.5        | 91       | 0.3        | 21.9       | 14.1       | 1048     | 2.78      | 3.1        | 1.2        | 8.7        | 2.2        | 46       | 0.3        | 0.3        | <0.1       | 56       | 0.96      |
| 11TB0227 | Soil                             | 0.7        | 36.9       | 6.2        | 96       | 0.3        | 26.3       | 12.9       | 777      | 3.00      | 2.5        | 1.4        | 9.6        | 2.6        | 46       | 0.3        | 0.4        | 0.1        | 59       | 1.01      |
| 11TB0228 | Soil                             | 0.8        | 30.6       | 5.5        | 84       | 0.5        | 21.4       | 10.4       | 828      | 2.79      | 2.9        | 1.6        | 12.7       | 2.2        | 41       | 0.4        | 0.3        | 0.2        | 46       | 0.82      |
| 11TB0229 | Soil                             | 0.8        | 14.8       | 5.7        | 106      | <0.1       | 16.4       | 11.2       | 645      | 4.10      | 1.9        | 1.0        | 6.1        | 7.4        | 18       | 0.2        | 0.3        | 0.2        | 47       | 0.37      |
| 11TB0230 | Soil                             | 0.9        | 16.1       | 5.5        | 92       | 0.1        | 12.1       | 11.3       | 827      | 2.86      | 2.8        | 1.0        | 4.6        | 5.6        | 19       | 0.1        | 0.3        | <0.1       | 43       | 0.29      |
| 11TB0231 | Soil                             | 1.5        | 30.0       | 9.5        | 98       | 0.4        | 24.7       | 15.8       | 910      | 3.89      | 4.5        | 1.3        | 25.4       | 3.1        | 43       | 0.3        | 0.7        | 0.1        | 87       | 0.85      |
| 11TB0232 | Soil                             | 1.0        | 18.7       | 5.1        | 91       | 0.3        | 12.1       | 11.5       | 963      | 3.24      | 2.6        | 1.1        | 8.0        | 4.0        | 49       | 0.4        | 0.3        | 0.1        | 51       | 1.05      |
| 11TB0233 | Soil                             | 1.3        | 24.6       | 5.9        | 86       | 0.2        | 19.0       | 11.8       | 685      | 3.57      | 3.9        | 1.0        | 22.4       | 3.5        | 47       | 0.2        | 0.4        | 0.1        | 70       | 0.90      |
| 11TB0234 | Soil                             | 1.2        | 16.9       | 6.4        | 78       | 0.2        | 12.8       | 11.3       | 736      | 3.22      | 3.4        | 0.9        | 10.5       | 3.8        | 33       | 0.1        | 0.3        | <0.1       | 58       | 0.67      |
| 11TB0235 | Soil                             | 0.9        | 39.4       | 6.3        | 80       | <0.1       | 39.8       | 17.0       | 581      | 3.79      | 4.2        | 0.6        | 1.5        | 2.4        | 31       | 0.2        | 0.2        | <0.1       | 89       | 0.68      |
| 11TB0236 | Soil                             | 1.0        | 30.3       | 8.6        | 77       | <0.1       | 20.5       | 12.2       | 499      | 3.46      | 7.0        | 0.5        | 2.3        | 3.8        | 27       | 0.2        | 0.4        | 0.1        | 80       | 0.40      |
| 11NG0175 | Soil                             | 2.8        | 38.9       | 7.9        | 84       | 0.4        | 38.1       | 20.6       | 662      | 3.75      | 6.2        | 0.6        | 25.5       | 2.2        | 42       | 0.2        | 0.4        | 0.1        | 81       | 0.69      |
| 11NG0176 | Soil                             | 2.9        | 95.9       | 5.4        | 115      | 0.1        | 69.5       | 35.3       | 723      | 6.03      | 40.4       | 0.4        | 26.2       | 2.0        | 48       | <0.1       | 0.7        | 0.1        | 109      | 0.72      |
| 11NG0177 | Soil                             | 3.5        | 71.6       | 7.6        | 87       | 0.3        | 124.7      | 30.0       | 510      | 4.53      | 7.3        | 1.1        | 20.9       | 4.8        | 92       | 0.2        | 0.6        | 0.1        | 115      | 1.08      |
| 11NG0178 | Soil                             | 14.1       | 111.6      | 15.2       | 67       | 1.3        | 25.1       | 12.6       | 546      | 3.60      | 19.8       | 0.7        | 97.8       | 1.8        | 24       | 0.2        | 0.6        | 0.2        | 70       | 0.27      |
| 11NG0179 | Soil                             | 1.5        | 34.8       | 7.5        | 119      | 0.5        | 29.9       | 18.8       | 796      | 4.39      | 7.5        | 1.1        | 63.5       | 3.1        | 25       | 0.1        | 0.5        | 0.2        | 91       | 0.33      |
| 11NG0180 | Soil                             | 1.1        | 16.7       | 9.2        | 75       | 0.4        | 16.1       | 9.0        | 311      | 3.17      | 7.3        | 0.6        | 102.3      | 3.1        | 20       | 0.1        | 0.4        | 0.2        | 80       | 0.20      |
| 11NG0181 | Soil                             | 1.2        | 22.9       | 8.3        | 86       | 0.5        | 17.6       | 11.1       | 456      | 3.23      | 5.9        | 0.8        | 138.2      | 2.9        | 22       | 0.2        | 0.3        | 0.2        | 79       | 0.21      |
| 11NG0182 | Soil                             | 0.7        | 14.0       | 5.6        | 141      | <0.1       | 15.4       | 18.1       | 1000     | 3.64      | 5.3        | 0.5        | 3.1        | 3.0        | 19       | <0.1       | 0.3        | 0.1        | 104      | 0.27      |
| 11NG0183 | Soil                             | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    |



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Project: None Given  
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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Ti     | S      | Ga     | Se     | Te     |
|          |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11TB0216 | Soil                             | 14     | 40     | 0.97   | 284    | 0.155  | 2      | 2.51   | 0.022  | 0.07   | 0.1    | 0.02   | 5.2    | <0.1   | <0.05  | 8      | <0.5   | <0.2   |
| 11TB0217 | Soil                             | 17     | 36     | 0.97   | 431    | 0.095  | 1      | 2.23   | 0.018  | 0.09   | <0.1   | 0.03   | 8.0    | <0.1   | <0.05  | 8      | <0.5   | <0.2   |
| 11TB0218 | Soil                             | 10     | 26     | 0.68   | 208    | 0.071  | 1      | 1.99   | 0.010  | 0.18   | 0.1    | 0.02   | 3.3    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0219 | Soil                             | 14     | 24     | 0.85   | 331    | 0.087  | 1      | 1.86   | 0.017  | 0.12   | 0.1    | 0.03   | 5.3    | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11TB0220 | Soil                             | 13     | 27     | 0.75   | 334    | 0.087  | 2      | 1.76   | 0.023  | 0.07   | 0.2    | 0.05   | 4.8    | <0.1   | <0.05  | 6      | 0.8    | <0.2   |
| 11TB0221 | Soil                             | 10     | 24     | 1.13   | 418    | 0.246  | 1      | 2.57   | 0.024  | 0.51   | 0.1    | 0.03   | 5.0    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11TB0222 | Soil                             | 10     | 20     | 0.91   | 420    | 0.182  | 3      | 2.04   | 0.023  | 0.36   | <0.1   | 0.05   | 4.3    | 0.1    | 0.06   | 6      | 0.8    | <0.2   |
| 11TB0223 | Soil                             | 14     | 32     | 0.81   | 402    | 0.110  | 1      | 2.06   | 0.018  | 0.12   | 0.1    | 0.02   | 6.2    | <0.1   | <0.05  | 7      | 0.6    | <0.2   |
| 11TB0224 | Soil                             | 18     | 26     | 0.68   | 386    | 0.076  | 2      | 1.75   | 0.016  | 0.20   | <0.1   | 0.03   | 6.8    | <0.1   | <0.05  | 6      | 0.6    | <0.2   |
| 11TB0225 | Soil                             | 10     | 22     | 0.98   | 269    | 0.186  | <1     | 2.48   | 0.016  | 0.45   | <0.1   | 0.01   | 7.6    | 0.1    | <0.05  | 12     | <0.5   | <0.2   |
| 11TB0226 | Soil                             | 17     | 36     | 0.80   | 633    | 0.071  | 2      | 1.73   | 0.021  | 0.16   | <0.1   | 0.05   | 6.7    | <0.1   | 0.05   | 6      | 0.6    | <0.2   |
| 11TB0227 | Soil                             | 22     | 44     | 0.95   | 703    | 0.094  | 2      | 1.91   | 0.024  | 0.20   | <0.1   | 0.05   | 7.6    | 0.1    | <0.05  | 7      | 0.9    | <0.2   |
| 11TB0228 | Soil                             | 23     | 24     | 0.64   | 639    | 0.050  | 2      | 1.79   | 0.013  | 0.17   | <0.1   | 0.07   | 7.0    | <0.1   | <0.05  | 6      | 0.7    | <0.2   |
| 11TB0229 | Soil                             | 24     | 22     | 0.72   | 518    | 0.042  | <1     | 2.07   | 0.011  | 0.44   | <0.1   | 0.02   | 5.9    | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11TB0230 | Soil                             | 21     | 22     | 0.63   | 309    | 0.076  | <1     | 1.57   | 0.010  | 0.20   | <0.1   | 0.02   | 5.4    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0231 | Soil                             | 17     | 44     | 0.97   | 607    | 0.106  | 1      | 2.38   | 0.021  | 0.14   | 0.2    | 0.04   | 9.7    | <0.1   | <0.05  | 8      | <0.5   | <0.2   |
| 11TB0232 | Soil                             | 18     | 19     | 0.67   | 492    | 0.148  | 2      | 1.87   | 0.021  | 0.40   | <0.1   | 0.04   | 7.0    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11TB0233 | Soil                             | 21     | 30     | 0.79   | 520    | 0.092  | 1      | 2.08   | 0.019  | 0.19   | 0.1    | 0.05   | 7.8    | 0.1    | <0.05  | 7      | 0.7    | <0.2   |
| 11TB0234 | Soil                             | 19     | 23     | 0.64   | 394    | 0.091  | 2      | 1.71   | 0.017  | 0.22   | 0.1    | 0.04   | 6.5    | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11TB0235 | Soil                             | 10     | 87     | 1.35   | 339    | 0.150  | <1     | 2.38   | 0.031  | 0.16   | <0.1   | 0.02   | 7.1    | <0.1   | <0.05  | 8      | <0.5   | <0.2   |
| 11TB0236 | Soil                             | 13     | 32     | 0.86   | 217    | 0.122  | 1      | 2.14   | 0.025  | 0.08   | <0.1   | 0.02   | 5.4    | <0.1   | <0.05  | 8      | 0.5    | <0.2   |
| 11NG0175 | Soil                             | 12     | 77     | 1.17   | 524    | 0.078  | 2      | 2.25   | 0.018  | 0.10   | 0.1    | 0.04   | 8.2    | 0.1    | <0.05  | 8      | 0.5    | <0.2   |
| 11NG0176 | Soil                             | 8      | 150    | 2.20   | 532    | 0.287  | 2      | 3.51   | 0.018  | 0.90   | <0.1   | 0.01   | 15.7   | 0.4    | <0.05  | 10     | <0.5   | <0.2   |
| 11NG0177 | Soil                             | 32     | 184    | 2.28   | 654    | 0.177  | 3      | 2.87   | 0.024  | 0.08   | 0.1    | 0.06   | 10.1   | 0.2    | <0.05  | 10     | 0.5    | <0.2   |
| 11NG0178 | Soil                             | 14     | 33     | 0.42   | 648    | 0.022  | 2      | 2.01   | 0.011  | 0.10   | <0.1   | 0.06   | 7.9    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11NG0179 | Soil                             | 20     | 48     | 0.86   | 544    | 0.077  | 2      | 2.44   | 0.013  | 0.12   | 0.1    | 0.08   | 18.4   | <0.1   | <0.05  | 8      | 0.7    | <0.2   |
| 11NG0180 | Soil                             | 16     | 30     | 0.52   | 394    | 0.078  | 2      | 2.01   | 0.010  | 0.07   | <0.1   | 0.03   | 7.6    | 0.1    | <0.05  | 9      | <0.5   | <0.2   |
| 11NG0181 | Soil                             | 19     | 30     | 0.60   | 415    | 0.080  | 2      | 2.20   | 0.012  | 0.09   | 0.1    | 0.05   | 11.7   | 0.1    | <0.05  | 9      | <0.5   | <0.2   |
| 11NG0182 | Soil                             | 17     | 30     | 1.56   | 301    | 0.166  | 1      | 2.61   | 0.010  | 0.38   | 0.1    | 0.01   | 12.8   | 0.2    | <0.05  | 12     | <0.5   | <0.2   |
| 11NG0183 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |





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Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     | P      |
|          |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | %      |
|          |                                  | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 1      | 0.01   | 0.5    | 0.1    | 0.5    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 0.1    | 2      | 0.01   |
| 11NG0184 | Soil                             | 2.4    | 24.8   | 7.4    | 77     | <0.1   | 42.7   | 17.4   | 568    | 3.52   | 5.9    | 0.6    | 19.9   | 2.6    | 50     | <0.1   | 0.4    | 0.1    | 101    | 0.73   | 0.124  |
| 11NG0185 | Soil                             | 2.1    | 81.0   | 14.0   | 80     | 0.3    | 111.2  | 28.0   | 623    | 4.08   | 7.4    | 1.3    | 50.8   | 7.1    | 131    | 0.1    | 0.5    | 0.1    | 121    | 1.09   | 0.271  |
| 11NG0186 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11NG0187 | Soil                             | 1.5    | 41.6   | 10.4   | 81     | 0.2    | 21.3   | 15.4   | 570    | 4.04   | 8.4    | 0.8    | 17.2   | 3.3    | 31     | <0.1   | 0.5    | 0.1    | 91     | 0.41   | 0.042  |
| 11NG0188 | Soil                             | 1.1    | 27.2   | 9.9    | 88     | 0.2    | 22.8   | 13.7   | 498    | 3.72   | 7.7    | 1.0    | 58.5   | 4.1    | 27     | 0.1    | 0.6    | 0.2    | 84     | 0.27   | 0.037  |
| 11NG0189 | Soil                             | 1.5    | 13.8   | 6.4    | 99     | <0.1   | 14.9   | 11.4   | 664    | 4.19   | 8.6    | 0.6    | 2.1    | 3.7    | 20     | 0.1    | 0.6    | 0.1    | 74     | 0.26   | 0.059  |
| 11NG0190 | Soil                             | 0.8    | 14.0   | 4.8    | 89     | 0.1    | 9.6    | 10.6   | 398    | 3.69   | 6.6    | 0.5    | 2.6    | 3.6    | 19     | <0.1   | 0.5    | <0.1   | 53     | 0.12   | 0.057  |
| 11NG0191 | Soil                             | 0.7    | 20.9   | 4.1    | 95     | <0.1   | 12.9   | 12.4   | 713    | 3.41   | 1.6    | 0.6    | <0.5   | 3.4    | 22     | <0.1   | 0.4    | <0.1   | 59     | 0.33   | 0.029  |
| 11NG0192 | Soil                             | 1.2    | 17.2   | 10.0   | 72     | <0.1   | 17.4   | 10.2   | 367    | 3.26   | 3.9    | 0.7    | 3.6    | 3.6    | 18     | <0.1   | 0.3    | 0.1    | 56     | 0.21   | 0.028  |
| 11NG0193 | Soil                             | 0.4    | 10.9   | 3.2    | 87     | <0.1   | 10.8   | 11.5   | 558    | 3.30   | 1.6    | 0.6    | 2.4    | 3.2    | 12     | <0.1   | 0.2    | <0.1   | 49     | 0.17   | 0.016  |
| 11NG0194 | Soil                             | 0.8    | 20.7   | 3.3    | 84     | <0.1   | 10.1   | 8.2    | 485    | 2.84   | 1.4    | 0.8    | 11.3   | 4.7    | 10     | <0.1   | 0.2    | <0.1   | 37     | 0.19   | 0.016  |
| 11NG0195 | Soil                             | 1.1    | 45.8   | 7.9    | 103    | <0.1   | 43.9   | 23.5   | 779    | 4.37   | 4.1    | 0.3    | 1.1    | 1.7    | 14     | 0.1    | 0.2    | <0.1   | 103    | 0.46   | 0.091  |
| 11NG0196 | Soil                             | 2.3    | 31.9   | 20.2   | 95     | 0.1    | 26.8   | 14.8   | 709    | 4.25   | 6.2    | 0.7    | 20.8   | 2.9    | 19     | 0.2    | 0.4    | 0.1    | 87     | 0.56   | 0.044  |
| 11NG0197 | Soil                             | 3.4    | 22.0   | 6.6    | 90     | <0.1   | 15.8   | 12.0   | 581    | 3.66   | 3.9    | 0.8    | 32.6   | 4.3    | 19     | 0.1    | 0.3    | 0.2    | 56     | 0.53   | 0.052  |
| 11NG0198 | Soil                             | 0.8    | 52.6   | 4.4    | 134    | 0.1    | 12.2   | 18.8   | 1077   | 4.78   | 1.1    | 0.7    | 36.6   | 4.7    | 12     | <0.1   | 0.1    | 0.1    | 94     | 0.60   | 0.107  |
| 11NG0199 | Soil                             | 0.7    | 15.4   | 5.8    | 121    | <0.1   | 10.6   | 19.0   | 598    | 4.31   | 2.9    | 0.5    | 1.5    | 1.9    | 19     | <0.1   | 0.1    | <0.1   | 104    | 0.69   | 0.150  |
| 11NG0200 | Soil                             | 1.9    | 26.6   | 11.7   | 196    | <0.1   | 6.2    | 12.1   | 469    | 3.94   | 3.5    | 0.3    | 2.3    | 1.2    | 41     | 0.8    | <0.1   | 0.7    | 65     | 0.42   | 0.101  |
| 11NG0201 | Soil                             | 2.1    | 25.6   | 12.2   | 197    | <0.1   | 5.5    | 11.6   | 472    | 3.68   | 3.3    | 0.3    | 4.2    | 1.1    | 44     | 0.8    | <0.1   | 0.9    | 63     | 0.41   | 0.100  |
| 11NG0202 | Soil                             | 1.1    | 26.0   | 7.1    | 81     | 0.3    | 15.3   | 11.0   | 491    | 3.51   | 5.2    | 0.8    | 15.6   | 2.7    | 29     | 0.1    | 0.2    | 0.1    | 71     | 0.62   | 0.070  |
| 11NG0203 | Soil                             | 1.0    | 14.0   | 9.7    | 102    | <0.1   | 14.2   | 11.0   | 1026   | 2.79   | 5.8    | 0.3    | <0.5   | 1.4    | 48     | 0.2    | 0.3    | 0.1    | 57     | 0.75   | 0.084  |
| 11NG0204 | Soil                             | 1.3    | 65.9   | 9.2    | 50     | <0.1   | 40.3   | 13.5   | 353    | 2.78   | 6.9    | 0.5    | <0.5   | 1.3    | 26     | <0.1   | 0.2    | <0.1   | 59     | 0.57   | 0.063  |
| 11NG0205 | Soil                             | 1.0    | 31.5   | 7.7    | 86     | 0.3    | 14.2   | 13.5   | 457    | 3.27   | 4.7    | 1.3    | 15.5   | 2.3    | 37     | 0.2    | 0.2    | <0.1   | 63     | 0.75   | 0.080  |
| 11NG0206 | Soil                             | 1.5    | 62.9   | 10.9   | 75     | 0.3    | 16.5   | 14.4   | 469    | 2.81   | 4.2    | 1.9    | 5.7    | 1.8    | 48     | <0.1   | 0.2    | <0.1   | 52     | 0.98   | 0.053  |
| 11NG0207 | Soil                             | 0.9    | 31.5   | 6.9    | 116    | 0.2    | 13.9   | 15.3   | 514    | 4.16   | 5.7    | 0.6    | 3.9    | 2.0    | 28     | 0.6    | 0.2    | <0.1   | 96     | 0.51   | 0.086  |
| 11NG0208 | Soil                             | 1.5    | 25.2   | 8.3    | 79     | 0.2    | 16.0   | 11.8   | 709    | 3.85   | 5.8    | 0.4    | 25.9   | 2.2    | 14     | 0.1    | 0.3    | 0.1    | 84     | 0.26   | 0.038  |
| 11NG0209 | Soil                             | 1.4    | 28.8   | 8.2    | 74     | <0.1   | 21.7   | 12.6   | 519    | 3.75   | 6.3    | 0.5    | 31.4   | 2.9    | 17     | <0.1   | 0.3    | 0.1    | 83     | 0.32   | 0.028  |
| 11NG0210 | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11NG0211 | Soil                             | 1.5    | 27.7   | 10.2   | 77     | 0.1    | 66.0   | 17.6   | 672    | 4.35   | 8.0    | 0.7    | 11.9   | 3.7    | 41     | 0.1    | 0.3    | 0.2    | 96     | 0.54   | 0.104  |
| 11NG0212 | Soil                             | 1.0    | 23.1   | 8.0    | 76     | <0.1   | 21.2   | 13.1   | 584    | 3.81   | 7.6    | 0.5    | 52.7   | 2.5    | 15     | 0.2    | 0.4    | 0.1    | 81     | 0.25   | 0.055  |
| 11NG0213 | Soil                             | 0.8    | 31.3   | 7.6    | 78     | <0.1   | 23.4   | 15.9   | 539    | 3.81   | 7.9    | 0.6    | 37.4   | 3.0    | 14     | <0.1   | 0.3    | 0.2    | 81     | 0.21   | 0.042  |



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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Tl     | S      | Ga     | Se     | Te     |
|          |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11NG0184 | Soil                             | 13     | 72     | 1.34   | 387    | 0.109  | 2      | 2.18   | 0.024  | 0.10   | 0.1    | 0.03   | 5.5    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0185 | Soil                             | 37     | 132    | 2.49   | 1012   | 0.212  | 1      | 2.68   | 0.035  | 0.35   | 0.1    | 0.03   | 6.0    | 0.2    | <0.05  | 9      | 0.5    | <0.2   |
| 11NG0186 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11NG0187 | Soil                             | 13     | 47     | 0.88   | 264    | 0.127  | <1     | 2.58   | 0.017  | 0.09   | <0.1   | 0.04   | 7.4    | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11NG0188 | Soil                             | 18     | 39     | 0.80   | 383    | 0.088  | 1      | 2.58   | 0.014  | 0.10   | 0.1    | 0.04   | 10.5   | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11NG0189 | Soil                             | 13     | 29     | 0.73   | 212    | 0.101  | 1      | 2.57   | 0.008  | 0.14   | <0.1   | 0.02   | 4.5    | 0.2    | <0.05  | 9      | <0.5   | <0.2   |
| 11NG0190 | Soil                             | 12     | 17     | 0.84   | 227    | 0.099  | <1     | 2.54   | 0.008  | 0.26   | <0.1   | 0.02   | 5.0    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0191 | Soil                             | 10     | 29     | 1.54   | 400    | 0.132  | <1     | 2.32   | 0.008  | 0.57   | <0.1   | <0.01  | 8.3    | 0.3    | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0192 | Soil                             | 12     | 36     | 0.84   | 363    | 0.080  | <1     | 1.87   | 0.006  | 0.20   | 0.1    | 0.02   | 4.4    | 0.1    | <0.05  | 6      | 0.8    | <0.2   |
| 11NG0193 | Soil                             | 9      | 17     | 1.30   | 398    | 0.132  | <1     | 2.12   | 0.006  | 0.57   | <0.1   | <0.01  | 6.1    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0194 | Soil                             | 13     | 20     | 0.87   | 306    | 0.093  | <1     | 1.59   | 0.005  | 0.30   | <0.1   | <0.01  | 5.6    | 0.2    | <0.05  | 5      | 0.6    | <0.2   |
| 11NG0195 | Soil                             | 7      | 101    | 2.45   | 373    | 0.156  | 2      | 2.94   | 0.010  | 0.20   | <0.1   | 0.01   | 6.1    | 0.1    | <0.05  | 10     | <0.5   | <0.2   |
| 11NG0196 | Soil                             | 10     | 42     | 1.13   | 461    | 0.061  | 2      | 2.33   | 0.010  | 0.11   | <0.1   | 0.02   | 9.2    | <0.1   | <0.05  | 8      | 0.6    | <0.2   |
| 11NG0197 | Soil                             | 16     | 24     | 0.85   | 353    | 0.053  | 1      | 1.93   | 0.009  | 0.17   | <0.1   | <0.01  | 5.8    | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0198 | Soil                             | 15     | 23     | 1.80   | 601    | 0.120  | 1      | 2.46   | 0.009  | 0.60   | 0.1    | 0.02   | 14.2   | 0.2    | <0.05  | 11     | <0.5   | <0.2   |
| 11NG0199 | Soil                             | 9      | 14     | 1.79   | 654    | 0.139  | 1      | 2.65   | 0.013  | 0.64   | <0.1   | <0.01  | 10.5   | 0.2    | <0.05  | 10     | <0.5   | <0.2   |
| 11NG0200 | Soil                             | 4      | 13     | 1.20   | 346    | 0.218  | <1     | 2.26   | 0.011  | 0.90   | <0.1   | <0.01  | 1.6    | 0.4    | <0.05  | 6      | <0.5   | 1.6    |
| 11NG0201 | Soil                             | 4      | 11     | 1.14   | 337    | 0.213  | 1      | 2.27   | 0.011  | 0.90   | <0.1   | <0.01  | 1.5    | 0.4    | 0.07   | 6      | <0.5   | 2.3    |
| 11NG0202 | Soil                             | 12     | 25     | 0.92   | 332    | 0.096  | 1      | 2.14   | 0.010  | 0.17   | 0.1    | 0.03   | 5.6    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0203 | Soil                             | 4      | 24     | 0.78   | 345    | 0.059  | 3      | 1.86   | 0.009  | 0.21   | <0.1   | <0.01  | 2.0    | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0204 | Soil                             | 5      | 52     | 0.94   | 295    | 0.059  | 1      | 1.82   | 0.018  | 0.07   | 0.1    | 0.01   | 3.7    | <0.1   | <0.05  | 5      | 0.6    | <0.2   |
| 11NG0205 | Soil                             | 15     | 23     | 0.89   | 365    | 0.093  | 1      | 1.99   | 0.012  | 0.19   | 0.2    | 0.05   | 5.8    | <0.1   | <0.05  | 7      | 0.6    | <0.2   |
| 11NG0206 | Soil                             | 15     | 29     | 0.86   | 438    | 0.046  | 2      | 1.94   | 0.009  | 0.12   | <0.1   | 0.05   | 4.2    | <0.1   | 0.07   | 6      | <0.5   | <0.2   |
| 11NG0207 | Soil                             | 9      | 22     | 1.25   | 446    | 0.215  | <1     | 2.58   | 0.012  | 0.46   | 0.1    | 0.02   | 4.7    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11NG0208 | Soil                             | 8      | 36     | 0.85   | 223    | 0.104  | <1     | 2.26   | 0.008  | 0.12   | 0.1    | 0.01   | 4.5    | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11NG0209 | Soil                             | 11     | 41     | 0.88   | 261    | 0.098  | <1     | 2.38   | 0.010  | 0.07   | 0.1    | 0.01   | 5.6    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0210 | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11NG0211 | Soil                             | 21     | 84     | 1.25   | 636    | 0.125  | 1      | 2.81   | 0.011  | 0.11   | 0.1    | 0.05   | 6.4    | 0.1    | <0.05  | 9      | <0.5   | <0.2   |
| 11NG0212 | Soil                             | 11     | 32     | 0.88   | 224    | 0.112  | 1      | 2.51   | 0.008  | 0.11   | 0.2    | 0.01   | 4.6    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0213 | Soil                             | 10     | 34     | 0.78   | 232    | 0.113  | 1      | 2.68   | 0.007  | 0.15   | 0.1    | 0.02   | 4.1    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |



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Project: None Given  
Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11NG0214 | Soil                             | 1.2              | 35.2             | 8.6              | 80             | 0.1              | 20.9             | 11.8             | 410            | 4.15            | 8.4              | 0.4             | 1.1              | 2.6              | 12             | <0.1             | 0.4              | 0.2              | 84            | 0.15            | 0.033           |
| 11NG0215 | Soil                             | 0.8              | 37.9             | 15.7             | 94             | <0.1             | 25.5             | 11.8             | 542            | 3.21            | 4.6              | 0.7             | 18.4             | 2.8              | 18             | <0.1             | 0.3              | <0.1             | 69            | 0.25            | 0.031           |
| 11NG0216 | Soil                             | 0.9              | 43.8             | 4.2              | 108            | <0.1             | 16.6             | 23.8             | 796            | 4.64            | 3.9              | 0.3             | <0.5             | 2.4              | 11             | <0.1             | 0.2              | <0.1             | 109           | 0.18            | 0.031           |
| 11NG0217 | Soil                             | 1.7              | 60.4             | 18.8             | 90             | 0.5              | 52.3             | 22.1             | 777            | 4.07            | 4.0              | 2.5             | 64.0             | 6.0              | 39             | 0.2              | 0.3              | 0.2              | 103           | 1.10            | 0.097           |
| 11NG0218 | Soil                             | 2.0              | 32.9             | 9.2              | 101            | 0.2              | 43.0             | 20.6             | 910            | 3.96            | 4.0              | 1.5             | 23.7             | 3.7              | 49             | 0.1              | 0.4              | 0.1              | 85            | 0.96            | 0.159           |
| 11NG0219 | Soil                             | 1.8              | 27.7             | 12.7             | 96             | 0.2              | 30.3             | 15.4             | 658            | 3.72            | 4.3              | 0.9             | 68.6             | 3.6              | 23             | 0.2              | 0.5              | <0.1             | 80            | 0.65            | 0.068           |
| 11NG0220 | Soil                             | 1.5              | 23.1             | 6.3              | 107            | 0.3              | 12.8             | 14.7             | 974            | 4.13            | 2.5              | 1.1             | 1.2              | 4.3              | 27             | 0.2              | 0.2              | 0.1              | 86            | 0.73            | 0.074           |
| 11NG0221 | Soil                             | 1.3              | 23.8             | 6.1              | 110            | 0.2              | 12.5             | 15.0             | 939            | 4.39            | 2.4              | 1.0             | 3.2              | 4.6              | 24             | 0.1              | 0.2              | <0.1             | 95            | 0.64            | 0.071           |
| 11NG0222 | Soil                             | 1.5              | 26.8             | 8.3              | 95             | 0.2              | 21.3             | 13.5             | 661            | 3.27            | 3.1              | 0.6             | 4.0              | 2.9              | 25             | 0.2              | 0.2              | 0.1              | 60            | 0.63            | 0.060           |
| 11NG0223 | Soil                             | 0.8              | 35.7             | 7.2              | 90             | 0.2              | 23.2             | 14.7             | 616            | 3.66            | 5.5              | 0.9             | 60.1             | 3.6              | 23             | <0.1             | 0.3              | 0.1              | 87            | 0.57            | 0.045           |
| 11NG0224 | Soil                             | 1.2              | 21.5             | 7.7              | 101            | 0.1              | 18.1             | 12.7             | 751            | 3.62            | 4.9              | 0.4             | 39.6             | 3.0              | 16             | 0.1              | 0.3              | 0.1              | 84            | 0.31            | 0.046           |
| 11NG0225 | Soil                             | 1.1              | 21.2             | 8.2              | 83             | 0.5              | 14.9             | 14.8             | 664            | 3.14            | 3.7              | 0.6             | 11.5             | 2.0              | 16             | 0.2              | 0.2              | 0.1              | 93            | 0.30            | 0.053           |
| 11NG0226 | Soil                             | 1.2              | 22.0             | 10.8             | 50             | 0.2              | 20.4             | 9.8              | 320            | 2.77            | 6.0              | 0.7             | 3.0              | 3.1              | 15             | <0.1             | 0.4              | 0.2              | 79            | 0.21            | 0.025           |
| 11NG0227 | Soil                             | 0.4              | 30.2             | 4.8              | 126            | <0.1             | 19.9             | 22.4             | 652            | 4.16            | 3.9              | 0.4             | 8.5              | 3.3              | 13             | <0.1             | 0.2              | <0.1             | 111           | 0.20            | 0.044           |
| 11NG0228 | Soil                             | 1.2              | 14.0             | 9.1              | 98             | <0.1             | 21.7             | 17.5             | 680            | 3.88            | 7.0              | 0.4             | 3.0              | 2.7              | 14             | 0.1              | 0.3              | 0.1              | 87            | 0.25            | 0.072           |
| 11NG0229 | Soil                             | 0.8              | 25.0             | 8.8              | 79             | <0.1             | 22.9             | 15.4             | 508            | 3.38            | 6.8              | 0.6             | 15.3             | 3.6              | 17             | <0.1             | 0.4              | 0.1              | 73            | 0.24            | 0.045           |
| 11NG0230 | Soil                             | 0.8              | 24.2             | 7.7              | 121            | 0.2              | 16.0             | 16.3             | 708            | 3.47            | 3.7              | 0.6             | 17.4             | 2.7              | 18             | <0.1             | 0.3              | <0.1             | 94            | 0.42            | 0.054           |
| 11NG0231 | Soil                             | 1.9              | 34.8             | 9.9              | 115            | 0.4              | 60.3             | 20.9             | 612            | 3.70            | 3.9              | 1.4             | 30.4             | 4.2              | 59             | 0.3              | 0.3              | 0.1              | 95            | 0.85            | 0.150           |
| 11NG0232 | Soil                             | 2.4              | 20.4             | 14.0             | 78             | 0.2              | 20.6             | 12.3             | 240            | 3.52            | 40.9             | 0.8             | 26.1             | 3.2              | 27             | <0.1             | 0.4              | 0.2              | 98            | 0.67            | 0.072           |
| 11NG0233 | Soil                             | 1.8              | 52.5             | 10.1             | 89             | 0.2              | 23.9             | 18.7             | 580            | 3.85            | 5.6              | 0.7             | 47.2             | 3.0              | 22             | 0.1              | 0.3              | 0.1              | 102           | 0.40            | 0.059           |
| 11NG0234 | Soil                             | 1.1              | 35.4             | 9.6              | 85             | <0.1             | 25.9             | 18.1             | 637            | 3.93            | 8.0              | 0.6             | 12.7             | 3.2              | 19             | 0.2              | 0.4              | 0.1              | 95            | 0.30            | 0.048           |
| 11NG0235 | Soil                             | 1.3              | 71.2             | 9.1              | 71             | 0.2              | 26.7             | 18.8             | 487            | 3.51            | 6.1              | 0.8             | 6.3              | 3.6              | 25             | <0.1             | 0.4              | 0.1              | 94            | 0.37            | 0.053           |



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Report Date: July 17, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000489.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0214 | Soil                             | 10    | 30    | 0.84  | 201   | 0.103 | 1     | 2.86  | 0.007 | 0.14  | 0.2   | 0.04  | 3.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0215 | Soil                             | 13    | 31    | 0.93  | 426   | 0.134 | <1    | 2.11  | 0.011 | 0.18  | 0.2   | 0.02  | 5.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0216 | Soil                             | 6     | 41    | 1.73  | 218   | 0.239 | <1    | 3.23  | 0.011 | 0.40  | <0.1  | <0.01 | 4.4   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0217 | Soil                             | 47    | 93    | 1.52  | 780   | 0.114 | <1    | 2.61  | 0.012 | 0.19  | 0.2   | 0.04  | 11.2  | 0.2   | <0.05 | 9     | <0.5  | 0.2   |
| 11NG0218 | Soil                             | 21    | 47    | 1.00  | 585   | 0.061 | 2     | 1.77  | 0.013 | 0.16  | 0.2   | 0.04  | 9.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0219 | Soil                             | 12    | 47    | 1.00  | 439   | 0.091 | <1    | 2.02  | 0.012 | 0.14  | 0.2   | 0.02  | 7.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0220 | Soil                             | 21    | 23    | 0.95  | 752   | 0.102 | 1     | 2.32  | 0.013 | 0.52  | <0.1  | 0.04  | 9.4   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0221 | Soil                             | 21    | 24    | 1.08  | 752   | 0.121 | <1    | 2.43  | 0.013 | 0.57  | <0.1  | 0.02  | 9.7   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0222 | Soil                             | 12    | 31    | 0.72  | 506   | 0.016 | 1     | 1.81  | 0.008 | 0.09  | <0.1  | <0.01 | 5.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0223 | Soil                             | 17    | 39    | 0.99  | 406   | 0.080 | <1    | 2.50  | 0.012 | 0.09  | 0.1   | 0.03  | 7.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0224 | Soil                             | 10    | 32    | 0.93  | 275   | 0.117 | <1    | 2.22  | 0.008 | 0.21  | 0.1   | 0.01  | 5.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0225 | Soil                             | 10    | 27    | 0.88  | 281   | 0.150 | <1    | 2.22  | 0.014 | 0.14  | 0.1   | 0.03  | 4.5   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0226 | Soil                             | 12    | 36    | 0.67  | 211   | 0.118 | 2     | 1.79  | 0.012 | 0.09  | 0.2   | 0.02  | 3.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0227 | Soil                             | 11    | 27    | 1.57  | 208   | 0.215 | <1    | 2.79  | 0.015 | 0.21  | 0.1   | 0.01  | 5.7   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0228 | Soil                             | 9     | 35    | 1.12  | 140   | 0.201 | 2     | 2.14  | 0.017 | 0.14  | 0.1   | 0.02  | 5.3   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0229 | Soil                             | 12    | 37    | 0.92  | 213   | 0.116 | 2     | 2.34  | 0.012 | 0.07  | 0.1   | 0.02  | 5.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0230 | Soil                             | 11    | 37    | 1.29  | 288   | 0.195 | 2     | 2.21  | 0.015 | 0.26  | 0.1   | 0.03  | 6.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0231 | Soil                             | 28    | 89    | 1.64  | 603   | 0.161 | 2     | 2.49  | 0.016 | 0.15  | 0.1   | 0.06  | 8.6   | 0.2   | 0.07  | 8     | <0.5  | <0.2  |
| 11NG0232 | Soil                             | 12    | 36    | 0.95  | 226   | 0.086 | 2     | 2.01  | 0.011 | 0.07  | 0.1   | 0.03  | 5.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0233 | Soil                             | 13    | 38    | 1.07  | 246   | 0.115 | 1     | 2.51  | 0.015 | 0.07  | 0.1   | 0.03  | 6.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0234 | Soil                             | 8     | 40    | 0.81  | 183   | 0.139 | 2     | 2.67  | 0.012 | 0.08  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0235 | Soil                             | 14    | 42    | 0.94  | 226   | 0.124 | 2     | 2.16  | 0.017 | 0.08  | 0.1   | 0.03  | 6.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |



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Report Date: July 17, 2011

Page: 1 of 3 Part 1

## QUALITY CONTROL REPORT

WHI11000489.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|                 |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|                 |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| Pulp Duplicates |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11TB0174        | Soil                             | 1.3   | 18.0  | 9.9   | 59    | <0.1  | 22.6  | 11.4  | 550   | 2.95  | 9.1   | 0.4   | 8.9   | 3.5   | 11    | 0.1   | 0.4   | 0.1   | 70    | 0.11  | 0.021 |
| REP 11TB0174    | QC                               | 1.3   | 17.9  | 9.6   | 58    | <0.1  | 22.4  | 12.0  | 556   | 3.07  | 9.0   | 0.5   | 6.8   | 3.5   | 12    | 0.1   | 0.5   | 0.2   | 71    | 0.11  | 0.021 |
| 11NG0157        | Soil                             | 0.7   | 47.9  | 7.1   | 104   | <0.1  | 11.2  | 18.9  | 598   | 4.73  | 2.9   | 0.3   | 10.4  | 1.8   | 25    | <0.1  | 0.2   | 0.1   | 143   | 0.25  | 0.059 |
| REP 11NG0157    | QC                               | 0.7   | 45.8  | 6.4   | 102   | 0.1   | 11.5  | 19.7  | 639   | 4.91  | 3.1   | 0.3   | 7.0   | 1.7   | 24    | <0.1  | 0.2   | <0.1  | 146   | 0.25  | 0.059 |
| 11NG0174        | Soil                             | 0.7   | 24.8  | 8.2   | 98    | <0.1  | 11.6  | 10.2  | 479   | 3.62  | 4.9   | 0.6   | 1.5   | 3.8   | 24    | 0.1   | 0.2   | <0.1  | 55    | 0.26  | 0.048 |
| REP 11NG0174    | QC                               | 0.6   | 25.0  | 8.1   | 97    | <0.1  | 11.4  | 9.9   | 465   | 3.51  | 4.4   | 0.6   | 1.4   | 3.9   | 24    | <0.1  | 0.3   | <0.1  | 53    | 0.26  | 0.044 |
| 11CB0172        | Soil                             | 1.1   | 21.7  | 11.3  | 85    | <0.1  | 27.0  | 12.9  | 383   | 3.67  | 9.1   | 0.6   | 13.9  | 4.1   | 16    | <0.1  | 0.5   | 0.2   | 80    | 0.15  | 0.026 |
| REP 11CB0172    | QC                               | 1.1   | 22.2  | 11.4  | 88    | <0.1  | 27.4  | 12.9  | 379   | 3.75  | 8.8   | 0.6   | 10.1  | 4.3   | 16    | <0.1  | 0.6   | 0.2   | 80    | 0.16  | 0.027 |
| 11DS0170        | Soil                             | 0.7   | 17.1  | 4.8   | 93    | <0.1  | 17.8  | 13.1  | 526   | 3.59  | 3.1   | 0.9   | 9.6   | 5.3   | 14    | <0.1  | 0.3   | <0.1  | 68    | 0.13  | 0.019 |
| REP 11DS0170    | QC                               | 0.7   | 16.5  | 4.7   | 87    | <0.1  | 16.7  | 12.6  | 492   | 3.41  | 3.2   | 0.9   | 54.5  | 5.4   | 14    | <0.1  | 0.3   | <0.1  | 65    | 0.12  | 0.020 |
| 11DS0195        | Soil                             | 3.3   | 19.1  | 8.1   | 82    | 0.1   | 17.1  | 12.3  | 296   | 3.30  | 3.3   | 0.7   | 50.8  | 2.3   | 27    | 0.1   | 0.3   | <0.1  | 76    | 0.54  | 0.094 |
| REP 11DS0195    | QC                               | 3.4   | 19.5  | 8.2   | 82    | 0.1   | 17.2  | 12.5  | 292   | 3.30  | 3.5   | 0.7   | 39.6  | 2.2   | 28    | 0.2   | 0.3   | 0.1   | 76    | 0.52  | 0.095 |
| 11DS0209        | Soil                             | 5.8   | 25.9  | 10.2  | 81    | 0.3   | 77.1  | 26.9  | 1775  | 4.45  | 4.7   | 1.4   | 23.9  | 3.4   | 54    | 0.2   | 0.3   | 0.1   | 87    | 1.29  | 0.110 |
| REP 11DS0209    | QC                               | 5.9   | 25.9  | 10.6  | 81    | 0.3   | 77.3  | 26.6  | 1789  | 4.16  | 4.4   | 1.5   | 22.8  | 3.3   | 54    | 0.2   | 0.2   | 0.2   | 87    | 1.28  | 0.116 |
| 11CB0188        | Soil                             | 0.9   | 17.2  | 7.1   | 60    | <0.1  | 20.8  | 10.9  | 398   | 2.78  | 7.2   | 0.7   | 14.0  | 4.2   | 18    | <0.1  | 0.3   | 0.1   | 57    | 0.22  | 0.030 |
| REP 11CB0188    | QC                               | 0.9   | 16.8  | 6.9   | 60    | <0.1  | 19.9  | 10.6  | 375   | 2.65  | 7.2   | 0.6   | 6.9   | 4.0   | 17    | <0.1  | 0.3   | 0.1   | 55    | 0.21  | 0.029 |
| 11CB0194        | Soil                             | 1.4   | 13.8  | 7.6   | 65    | 0.1   | 14.3  | 9.5   | 397   | 3.56  | 7.2   | 0.4   | 3.7   | 2.2   | 11    | <0.1  | 0.4   | 0.2   | 73    | 0.10  | 0.030 |
| REP 11CB0194    | QC                               | 1.2   | 13.5  | 8.0   | 73    | 0.2   | 14.3  | 10.0  | 416   | 3.68  | 7.9   | 0.4   | 6.9   | 2.1   | 11    | <0.1  | 0.4   | 0.2   | 76    | 0.12  | 0.031 |
| 11CB0207        | Soil                             | 1.9   | 14.9  | 8.5   | 78    | 0.1   | 30.7  | 13.2  | 623   | 3.60  | 7.5   | 0.6   | 14.1  | 2.2   | 24    | <0.1  | 0.3   | 0.2   | 71    | 0.43  | 0.056 |
| REP 11CB0207    | QC                               | 1.9   | 14.6  | 8.8   | 83    | <0.1  | 31.8  | 13.5  | 635   | 3.70  | 7.2   | 0.6   | 12.6  | 2.3   | 25    | 0.1   | 0.4   | 0.2   | 73    | 0.46  | 0.057 |
| 11TB0195        | Soil                             | 2.8   | 23.5  | 10.3  | 77    | 0.2   | 31.1  | 15.3  | 316   | 3.66  | 29.0  | 0.7   | 7.5   | 2.3   | 26    | <0.1  | 0.2   | 0.1   | 71    | 0.50  | 0.068 |
| REP 11TB0195    | QC                               | 3.0   | 23.5  | 10.4  | 74    | 0.2   | 32.0  | 14.6  | 308   | 3.54  | 30.4  | 0.7   | 9.8   | 2.3   | 25    | <0.1  | 0.3   | 0.1   | 71    | 0.50  | 0.072 |
| 11TB0211        | Soil                             | 1.0   | 25.2  | 6.8   | 94    | 0.1   | 17.5  | 14.3  | 845   | 3.81  | 5.0   | 0.5   | 10.0  | 4.1   | 23    | <0.1  | 0.3   | 0.1   | 78    | 0.56  | 0.043 |
| REP 11TB0211    | QC                               | 1.1   | 25.6  | 6.9   | 99    | <0.1  | 17.7  | 14.1  | 800   | 3.67  | 4.9   | 0.6   | 19.3  | 4.2   | 23    | 0.1   | 0.3   | 0.1   | 78    | 0.57  | 0.045 |
| 11TB0220        | Soil                             | 0.6   | 17.5  | 7.0   | 75    | <0.1  | 16.1  | 10.4  | 351   | 2.70  | 4.4   | 0.7   | 6.5   | 2.5   | 41    | 0.1   | 0.3   | 0.1   | 64    | 0.69  | 0.095 |
| REP 11TB0220    | QC                               | 0.7   | 16.9  | 6.9   | 74    | <0.1  | 16.2  | 10.1  | 353   | 2.67  | 4.1   | 0.7   | 8.7   | 2.6   | 40    | 0.2   | 0.3   | 0.1   | 64    | 0.69  | 0.093 |
| 11NG0185        | Soil                             | 2.1   | 81.0  | 14.0  | 80    | 0.3   | 111.2 | 28.0  | 623   | 4.08  | 7.4   | 1.3   | 50.8  | 7.1   | 131   | 0.1   | 0.5   | 0.1   | 121   | 1.09  | 0.271 |
| REP 11NG0185    | QC                               | 2.2   | 84.4  | 14.6  | 81    | 0.3   | 116.6 | 29.1  | 645   | 4.28  | 7.5   | 1.3   | 56.5  | 7.2   | 130   | 0.1   | 0.5   | 0.2   | 122   | 1.10  | 0.276 |



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**Project:** None Given

**Report Date:** July 17, 2011

**Page:** 1 of 3 **Part** 2

## QUALITY CONTROL REPORT

WHI11000489.1

| Method<br>Analyte<br>Unit<br>MDL |      | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                  |      | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                                  |      | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                                  |      | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates                  |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11TB0174                         | Soil | 9     | 34    | 0.60  | 228   | 0.070 | <1    | 2.02  | 0.006 | 0.07  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| REP 11TB0174                     | QC   | 9     | 35    | 0.61  | 229   | 0.075 | 1     | 2.11  | 0.006 | 0.07  | 0.2   | 0.01  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0157                         | Soil | 8     | 20    | 1.73  | 359   | 0.140 | <1    | 3.29  | 0.012 | 0.41  | <0.1  | 0.02  | 9.6   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| REP 11NG0157                     | QC   | 8     | 21    | 1.75  | 367   | 0.139 | <1    | 3.16  | 0.011 | 0.40  | <0.1  | 0.01  | 9.2   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0174                         | Soil | 7     | 17    | 0.68  | 144   | 0.181 | 1     | 2.05  | 0.011 | 0.21  | <0.1  | 0.01  | 2.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| REP 11NG0174                     | QC   | 7     | 16    | 0.67  | 139   | 0.179 | <1    | 1.98  | 0.011 | 0.19  | <0.1  | 0.01  | 2.9   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0172                         | Soil | 12    | 50    | 0.84  | 273   | 0.106 | 2     | 2.78  | 0.010 | 0.10  | 0.1   | 0.02  | 5.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11CB0172                     | QC   | 12    | 50    | 0.90  | 277   | 0.109 | 1     | 2.93  | 0.010 | 0.11  | 0.1   | 0.02  | 5.7   | 0.1   | <0.05 | 8     | 0.6   | <0.2  |
| 11DS0170                         | Soil | 28    | 43    | 1.33  | 344   | 0.133 | <1    | 2.38  | 0.007 | 0.23  | <0.1  | 0.01  | 7.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11DS0170                     | QC   | 27    | 42    | 1.29  | 336   | 0.127 | <1    | 2.38  | 0.006 | 0.22  | <0.1  | 0.01  | 7.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0195                         | Soil | 11    | 30    | 0.94  | 437   | 0.129 | 1     | 1.90  | 0.011 | 0.09  | 0.2   | 0.04  | 4.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11DS0195                     | QC   | 11    | 30    | 0.96  | 440   | 0.130 | 1     | 1.91  | 0.010 | 0.08  | 0.1   | 0.04  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0209                         | Soil | 29    | 118   | 1.24  | 864   | 0.063 | 3     | 2.54  | 0.012 | 0.12  | <0.1  | 0.04  | 8.6   | 0.2   | 0.05  | 7     | <0.5  | <0.2  |
| REP 11DS0209                     | QC   | 30    | 116   | 1.27  | 858   | 0.062 | 3     | 2.58  | 0.012 | 0.11  | <0.1  | 0.05  | 8.9   | 0.1   | 0.07  | 7     | 0.6   | <0.2  |
| 11CB0188                         | Soil | 14    | 33    | 0.60  | 267   | 0.074 | 2     | 2.19  | 0.011 | 0.09  | <0.1  | 0.03  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11CB0188                     | QC   | 13    | 31    | 0.58  | 263   | 0.069 | 2     | 2.16  | 0.008 | 0.08  | <0.1  | 0.03  | 4.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0194                         | Soil | 8     | 29    | 0.71  | 205   | 0.073 | <1    | 2.02  | 0.006 | 0.07  | 0.2   | 0.02  | 4.6   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| REP 11CB0194                     | QC   | 8     | 31    | 0.76  | 221   | 0.076 | <1    | 2.13  | 0.006 | 0.07  | 0.1   | 0.01  | 4.8   | <0.1  | <0.05 | 8     | 0.8   | <0.2  |
| 11CB0207                         | Soil | 11    | 42    | 0.89  | 406   | 0.087 | <1    | 2.19  | 0.008 | 0.08  | 0.2   | 0.03  | 4.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB0207                     | QC   | 11    | 43    | 0.91  | 402   | 0.089 | <1    | 2.23  | 0.009 | 0.08  | 0.2   | 0.01  | 4.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0195                         | Soil | 12    | 47    | 1.03  | 367   | 0.110 | 1     | 2.39  | 0.014 | 0.11  | 0.1   | 0.02  | 3.3   | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| REP 11TB0195                     | QC   | 11    | 46    | 1.04  | 364   | 0.110 | 1     | 2.37  | 0.013 | 0.11  | <0.1  | 0.03  | 3.3   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0211                         | Soil | 17    | 36    | 0.92  | 291   | 0.113 | 1     | 2.25  | 0.010 | 0.24  | <0.1  | 0.02  | 7.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0211                     | QC   | 17    | 36    | 0.94  | 304   | 0.111 | <1    | 2.36  | 0.010 | 0.24  | <0.1  | 0.02  | 7.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0220                         | Soil | 13    | 27    | 0.75  | 334   | 0.087 | 2     | 1.76  | 0.023 | 0.07  | 0.2   | 0.05  | 4.8   | <0.1  | <0.05 | 6     | 0.8   | <0.2  |
| REP 11TB0220                     | QC   | 12    | 27    | 0.70  | 329   | 0.086 | 1     | 1.67  | 0.021 | 0.07  | 0.1   | 0.04  | 5.0   | <0.1  | <0.05 | 6     | 0.8   | <0.2  |
| 11NG0185                         | Soil | 37    | 132   | 2.49  | 1012  | 0.212 | 1     | 2.68  | 0.035 | 0.35  | 0.1   | 0.03  | 6.0   | 0.2   | <0.05 | 9     | 0.5   | <0.2  |
| REP 11NG0185                     | QC   | 38    | 134   | 2.50  | 1034  | 0.222 | 2     | 2.79  | 0.037 | 0.35  | 0.1   | 0.03  | 6.2   | 0.2   | <0.05 | 9     | 0.6   | <0.2  |



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Project: None Given  
Report Date: July 17, 2011

Page: 2 of 3 Part 1

## QUALITY CONTROL REPORT

WHI11000489.1

|                     |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|                     |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|                     |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11NG0203            | Soil     | 1.0   | 14.0  | 9.7   | 102   | <0.1  | 14.2  | 11.0  | 1026  | 2.79  | 5.8   | 0.3   | <0.5  | 1.4   | 48    | 0.2   | 0.3   | 0.1   | 57    | 0.75  |
| REP 11NG0203        | QC       | 0.9   | 14.5  | 9.7   | 103   | <0.1  | 14.5  | 11.3  | 1045  | 2.99  | 5.8   | 0.3   | <0.5  | 1.3   | 49    | 0.2   | 0.2   | 0.1   | 57    | 0.75  |
| 11NG0208            | Soil     | 1.5   | 25.2  | 8.3   | 79    | 0.2   | 16.0  | 11.8  | 709   | 3.85  | 5.8   | 0.4   | 25.9  | 2.2   | 14    | 0.1   | 0.3   | 0.1   | 84    | 0.26  |
| REP 11NG0208        | QC       | 1.4   | 24.2  | 8.4   | 81    | 0.2   | 16.0  | 11.6  | 707   | 3.83  | 5.8   | 0.3   | 38.0  | 2.3   | 14    | <0.1  | 0.3   | 0.1   | 86    | 0.26  |
| 11NG0232            | Soil     | 2.4   | 20.4  | 14.0  | 78    | 0.2   | 20.6  | 12.3  | 240   | 3.52  | 40.9  | 0.8   | 26.1  | 3.2   | 27    | <0.1  | 0.4   | 0.2   | 98    | 0.67  |
| REP 11NG0232        | QC       | 2.6   | 21.6  | 14.4  | 80    | 0.2   | 20.6  | 13.4  | 243   | 3.63  | 43.4  | 0.8   | 9.1   | 3.4   | 29    | <0.1  | 0.4   | 0.2   | 101   | 0.70  |
| Reference Materials |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard | 14.0  | 116.2 | 123.0 | 324   | 1.7   | 39.8  | 8.2   | 653   | 2.65  | 28.3  | 2.8   | 111.6 | 6.6   | 66    | 2.6   | 6.0   | 6.4   | 45    | 0.76  |
| STD DS8             | Standard | 14.0  | 115.1 | 122.6 | 335   | 1.8   | 40.8  | 8.1   | 646   | 2.60  | 28.4  | 2.8   | 112.6 | 6.8   | 69    | 2.7   | 6.0   | 6.6   | 47    | 0.75  |
| STD DS8             | Standard | 12.9  | 110.6 | 127.4 | 314   | 1.8   | 38.1  | 7.7   | 614   | 2.43  | 26.3  | 2.7   | 114.2 | 6.7   | 65    | 2.5   | 5.4   | 6.6   | 44    | 0.66  |
| STD DS8             | Standard | 14.1  | 114.8 | 130.7 | 319   | 1.8   | 39.4  | 8.0   | 644   | 2.56  | 27.4  | 2.8   | 116.6 | 6.9   | 66    | 2.3   | 5.7   | 6.5   | 46    | 0.68  |
| STD DS8             | Standard | 14.2  | 116.5 | 124.5 | 339   | 1.8   | 40.4  | 8.1   | 656   | 2.64  | 28.2  | 2.9   | 109.7 | 6.9   | 72    | 2.8   | 6.4   | 6.5   | 47    | 0.71  |
| STD DS8             | Standard | 15.0  | 117.5 | 122.6 | 339   | 1.9   | 40.4  | 8.4   | 684   | 2.70  | 28.2  | 2.8   | 118.1 | 6.8   | 76    | 2.8   | 6.8   | 6.4   | 47    | 0.75  |
| STD DS8             | Standard | 12.6  | 111.8 | 124.4 | 323   | 1.9   | 38.8  | 7.7   | 615   | 2.41  | 27.5  | 2.6   | 120.1 | 5.7   | 61    | 2.4   | 5.9   | 6.7   | 42    | 0.65  |
| STD DS8             | Standard | 11.6  | 110.9 | 124.6 | 309   | 1.8   | 40.2  | 7.4   | 587   | 2.36  | 26.4  | 2.4   | 120.7 | 5.7   | 60    | 2.4   | 5.7   | 6.4   | 40    | 0.63  |
| STD DS8             | Standard | 13.5  | 124.7 | 128.4 | 327   | 1.8   | 41.9  | 8.7   | 622   | 2.57  | 26.9  | 2.6   | 111.4 | 6.8   | 59    | 2.1   | 5.3   | 6.0   | 46    | 0.70  |
| STD DS8             | Standard | 14.9  | 124.2 | 124.2 | 344   | 1.9   | 42.6  | 8.7   | 642   | 2.62  | 28.2  | 2.7   | 107.6 | 6.8   | 64    | 2.4   | 5.2   | 5.8   | 47    | 0.73  |
| STD DS8             | Standard | 14.1  | 117.3 | 123.0 | 325   | 1.9   | 40.2  | 8.0   | 652   | 2.52  | 28.1  | 2.8   | 129.4 | 7.2   | 67    | 2.3   | 5.2   | 5.7   | 46    | 0.79  |
| STD DS8             | Standard | 14.8  | 119.4 | 121.6 | 326   | 1.8   | 40.5  | 7.7   | 652   | 2.48  | 27.4  | 2.7   | 117.1 | 7.0   | 62    | 2.1   | 5.0   | 5.5   | 45    | 0.72  |
| STD DS8             | Standard | 13.3  | 124.5 | 132.5 | 353   | 1.9   | 42.3  | 8.5   | 644   | 2.66  | 29.5  | 2.7   | 115.9 | 6.5   | 57    | 2.5   | 5.2   | 6.0   | 45    | 0.71  |
| STD DS8             | Standard | 13.2  | 124.1 | 128.7 | 340   | 1.9   | 44.5  | 8.4   | 650   | 2.67  | 28.7  | 2.5   | 123.3 | 6.2   | 59    | 2.7   | 5.0   | 6.0   | 44    | 0.68  |
| STD DS8             | Standard | 13.7  | 113.7 | 122.0 | 318   | 1.8   | 38.4  | 7.9   | 627   | 2.49  | 27.7  | 2.6   | 118.6 | 6.5   | 58    | 2.3   | 4.8   | 5.9   | 43    | 0.67  |
| STD DS8             | Standard | 13.7  | 116.7 | 118.6 | 323   | 1.9   | 39.8  | 7.9   | 611   | 2.44  | 27.5  | 2.7   | 107.0 | 6.4   | 57    | 2.8   | 4.8   | 5.6   | 43    | 0.68  |
| STD DS8             | Standard | 13.6  | 121.8 | 130.8 | 330   | 1.8   | 42.5  | 8.0   | 644   | 2.48  | 25.6  | 2.9   | 102.1 | 7.4   | 68    | 2.4   | 5.8   | 6.8   | 46    | 0.70  |
| STD DS8             | Standard | 14.6  | 125.3 | 133.3 | 331   | 1.9   | 42.4  | 8.1   | 654   | 2.54  | 26.6  | 3.1   | 111.4 | 7.7   | 71    | 2.4   | 5.8   | 6.7   | 46    | 0.72  |
| STD DS8 Expected    |          | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |





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Project: None Given

Report Date: July 17, 2011

Page: 2 of 3 Part 2

## QUALITY CONTROL REPORT

WHI11000489.1

|                     |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|---------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| 11NG0203            | Soil     | 4                       | 24                      | 0.78                     | 345                     | 0.059                     | 3                      | 1.86                     | 0.009                     | 0.21                    | <0.1                     | <0.01                      | 2.0                       | <0.1                      | <0.05                   | 7                       | <0.5                      | <0.2                      |
| REP 11NG0203        | QC       | 4                       | 25                      | 0.82                     | 351                     | 0.056                     | 3                      | 1.91                     | 0.009                     | 0.22                    | 0.1                      | <0.01                      | 2.0                       | <0.1                      | <0.05                   | 7                       | <0.5                      | <0.2                      |
| 11NG0208            | Soil     | 8                       | 36                      | 0.85                     | 223                     | 0.104                     | <1                     | 2.26                     | 0.008                     | 0.12                    | 0.1                      | 0.01                       | 4.5                       | 0.1                       | <0.05                   | 8                       | <0.5                      | <0.2                      |
| REP 11NG0208        | QC       | 8                       | 35                      | 0.81                     | 221                     | 0.103                     | <1                     | 2.19                     | 0.008                     | 0.12                    | 0.1                      | 0.01                       | 4.6                       | 0.1                       | <0.05                   | 8                       | <0.5                      | <0.2                      |
| 11NG0232            | Soil     | 12                      | 36                      | 0.95                     | 226                     | 0.086                     | 2                      | 2.01                     | 0.011                     | 0.07                    | 0.1                      | 0.03                       | 5.6                       | 0.1                       | <0.05                   | 7                       | <0.5                      | <0.2                      |
| REP 11NG0232        | QC       | 12                      | 38                      | 0.98                     | 236                     | 0.090                     | 2                      | 2.14                     | 0.013                     | 0.07                    | <0.1                     | 0.03                       | 5.8                       | <0.1                      | 0.05                    | 7                       | <0.5                      | <0.2                      |
| Reference Materials |          |                         |                         |                          |                         |                           |                        |                          |                           |                         |                          |                            |                           |                           |                         |                         |                           |                           |
| STD DS8             | Standard | 16                      | 120                     | 0.67                     | 286                     | 0.129                     | 3                      | 0.98                     | 0.094                     | 0.45                    | 2.9                      | 0.20                       | 2.3                       | 5.5                       | 0.14                    | 5                       | 6.3                       | 5.6                       |
| STD DS8             | Standard | 16                      | 119                     | 0.64                     | 293                     | 0.129                     | 3                      | 0.93                     | 0.096                     | 0.46                    | 3.0                      | 0.21                       | 2.1                       | 5.6                       | 0.15                    | 5                       | 5.9                       | 5.3                       |
| STD DS8             | Standard | 14                      | 118                     | 0.61                     | 284                     | 0.119                     | 3                      | 0.90                     | 0.088                     | 0.42                    | 3.2                      | 0.20                       | 1.9                       | 5.6                       | 0.16                    | 5                       | 5.2                       | 5.7                       |
| STD DS8             | Standard | 15                      | 127                     | 0.63                     | 287                     | 0.126                     | 3                      | 0.92                     | 0.086                     | 0.42                    | 3.3                      | 0.25                       | 2.1                       | 5.7                       | 0.16                    | 5                       | 5.1                       | 5.4                       |
| STD DS8             | Standard | 15                      | 121                     | 0.66                     | 288                     | 0.125                     | 4                      | 0.96                     | 0.095                     | 0.44                    | 3.0                      | 0.21                       | 2.2                       | 5.5                       | 0.15                    | 5                       | 5.8                       | 5.3                       |
| STD DS8             | Standard | 16                      | 125                     | 0.66                     | 300                     | 0.132                     | 4                      | 0.99                     | 0.099                     | 0.47                    | 2.9                      | 0.20                       | 2.3                       | 5.5                       | 0.15                    | 5                       | 5.8                       | 5.8                       |
| STD DS8             | Standard | 11                      | 122                     | 0.62                     | 269                     | 0.105                     | 2                      | 0.86                     | 0.069                     | 0.41                    | 3.1                      | 0.20                       | 1.9                       | 5.6                       | 0.17                    | 4                       | 5.9                       | 4.4                       |
| STD DS8             | Standard | 10                      | 117                     | 0.61                     | 256                     | 0.102                     | 1                      | 0.84                     | 0.067                     | 0.41                    | 3.2                      | 0.21                       | 1.9                       | 5.4                       | 0.20                    | 4                       | 5.8                       | 4.8                       |
| STD DS8             | Standard | 14                      | 125                     | 0.65                     | 280                     | 0.105                     | 2                      | 0.97                     | 0.089                     | 0.43                    | 3.1                      | 0.21                       | 2.1                       | 5.5                       | 0.15                    | 5                       | 6.5                       | 5.0                       |
| STD DS8             | Standard | 16                      | 127                     | 0.65                     | 297                     | 0.110                     | 4                      | 0.95                     | 0.097                     | 0.44                    | 3.1                      | 0.19                       | 2.1                       | 5.4                       | 0.15                    | 5                       | 5.2                       | 5.4                       |
| STD DS8             | Standard | 18                      | 123                     | 0.67                     | 301                     | 0.118                     | 3                      | 1.05                     | 0.113                     | 0.45                    | 3.1                      | 0.19                       | 2.6                       | 5.4                       | 0.14                    | 5                       | 5.9                       | 5.2                       |
| STD DS8             | Standard | 17                      | 123                     | 0.65                     | 293                     | 0.113                     | 2                      | 1.00                     | 0.120                     | 0.45                    | 3.0                      | 0.19                       | 2.6                       | 5.4                       | 0.14                    | 5                       | 6.0                       | 4.9                       |
| STD DS8             | Standard | 13                      | 128                     | 0.64                     | 275                     | 0.097                     | 2                      | 0.94                     | 0.093                     | 0.45                    | 3.0                      | 0.18                       | 2.1                       | 5.8                       | 0.19                    | 5                       | 6.1                       | 5.5                       |
| STD DS8             | Standard | 12                      | 125                     | 0.65                     | 266                     | 0.093                     | 4                      | 0.94                     | 0.090                     | 0.44                    | 3.0                      | 0.19                       | 2.1                       | 5.4                       | 0.18                    | 5                       | 5.8                       | 5.1                       |
| STD DS8             | Standard | 14                      | 123                     | 0.61                     | 280                     | 0.096                     | 2                      | 0.92                     | 0.091                     | 0.41                    | 3.0                      | 0.21                       | 2.2                       | 5.4                       | 0.17                    | 5                       | 5.7                       | 5.5                       |
| STD DS8             | Standard | 15                      | 124                     | 0.62                     | 283                     | 0.099                     | 2                      | 0.95                     | 0.090                     | 0.42                    | 2.9                      | 0.20                       | 2.2                       | 5.2                       | 0.17                    | 5                       | 5.0                       | 4.8                       |
| STD DS8             | Standard | 15                      | 126                     | 0.65                     | 271                     | 0.139                     | 4                      | 0.94                     | 0.093                     | 0.44                    | 3.1                      | 0.22                       | 2.2                       | 5.5                       | 0.20                    | 5                       | 4.8                       | 4.8                       |
| STD DS8             | Standard | 16                      | 131                     | 0.65                     | 292                     | 0.145                     | 2                      | 0.95                     | 0.098                     | 0.45                    | 3.1                      | 0.22                       | 2.1                       | 5.7                       | 0.19                    | 5                       | 5.7                       | 5.0                       |
| STD DS8 Expected    |          | 14.6                    | 115                     | 0.6045                   | 279                     | 0.113                     | 2.6                    | 0.93                     | 0.0883                    | 0.41                    | 3                        | 0.192                      | 2.3                       | 5.4                       | 0.1679                  | 4.7                     | 5.23                      | 5                         |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |



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Report Date: July 17, 2011

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## QUALITY CONTROL REPORT

WHI11000489.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|     |       | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|     |       | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|     |       | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Page: 3 of 3 Part 2

## QUALITY CONTROL REPORT

WHI11000489.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | La    | Cr    | Mg    | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|     |       | ppm   | ppm   | %     | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|     |       | 1     | 1     | 0.01  | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: July 14, 2011

Report Date: July 27, 2011

Page: 1 of 11

## CERTIFICATE OF ANALYSIS

WHI11000588.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-08  
P.O. Number  
Number of Samples: 295

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 295               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 295               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 295               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 295               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: July 27, 2011

Page: 2 of 11 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11DS0306 | Soil | 4.8                              | 40.9  | 34.2  | 129   | 0.4   | 21.6  | 14.7  | 691   | 4.14  | 70.6  | 1.0   | 2.7   | 6.1   | 13    | 0.2   | 0.6   | 0.3   | 62    | 0.34  | 0.057 |      |
| 11DS0307 | Soil | 1.8                              | 20.5  | 7.4   | 79    | <0.1  | 16.4  | 14.1  | 1013  | 4.25  | 4.6   | 1.1   | 1.4   | 4.3   | 19    | <0.1  | 0.4   | 0.2   | 53    | 0.55  | 0.107 |      |
| 11DS0308 | Soil | 0.8                              | 16.1  | 4.4   | 73    | <0.1  | 13.2  | 11.7  | 556   | 2.98  | 3.3   | 0.6   | 0.6   | 2.1   | 19    | <0.1  | 0.2   | <0.1  | 46    | 0.44  | 0.105 |      |
| 11DS0309 | Soil | 0.5                              | 18.6  | 7.2   | 61    | <0.1  | 15.1  | 12.2  | 549   | 2.81  | 3.7   | 0.7   | 1.7   | 3.0   | 22    | <0.1  | 0.2   | <0.1  | 50    | 0.43  | 0.078 |      |
| 11DS0310 | Soil | 1.1                              | 20.5  | 4.4   | 54    | <0.1  | 12.2  | 8.0   | 314   | 2.29  | 1.7   | 2.9   | 0.8   | 1.0   | 65    | 0.1   | 0.2   | <0.1  | 40    | 0.99  | 0.052 |      |
| 11DS0311 | Soil | 13.7                             | 35.1  | 260.4 | 563   | 0.4   | 6.6   | 7.9   | 293   | 6.52  | 39.6  | 4.0   | 18.2  | 68.3  | 16    | 0.5   | 0.3   | 2.8   | 6     | 0.08  | 0.035 |      |
| 11DS0312 | Soil | 1.0                              | 11.4  | 11.5  | 59    | 0.1   | 12.6  | 9.5   | 273   | 2.30  | 4.2   | 1.7   | 14.0  | 7.7   | 29    | <0.1  | 0.2   | 0.1   | 36    | 0.58  | 0.054 |      |
| 11DS0313 | Soil | 0.8                              | 15.0  | 9.2   | 61    | <0.1  | 13.5  | 9.8   | 373   | 2.61  | 6.0   | 0.8   | 6.7   | 6.4   | 24    | <0.1  | 0.2   | 0.1   | 46    | 0.41  | 0.055 |      |
| 11DS0314 | Soil | 0.8                              | 11.8  | 5.8   | 63    | <0.1  | 8.4   | 7.8   | 406   | 2.83  | 3.9   | 0.5   | 7.8   | 2.7   | 17    | <0.1  | 0.2   | 0.1   | 51    | 0.34  | 0.068 |      |
| 11DS0315 | Soil | 1.5                              | 16.9  | 12.5  | 63    | <0.1  | 9.5   | 9.4   | 403   | 2.75  | 6.0   | 2.3   | <0.5  | 22.5  | 12    | <0.1  | 0.2   | 0.3   | 26    | 0.16  | 0.037 |      |
| 11DS0316 | Soil | 2.5                              | 19.8  | 51.8  | 93    | 0.2   | 9.7   | 7.4   | 287   | 3.01  | 23.1  | 2.7   | 1.1   | 15.1  | 34    | 0.1   | 0.3   | 3.9   | 20    | 0.18  | 0.035 |      |
| 11DS0317 | Soil | 2.3                              | 15.7  | 20.5  | 62    | 0.2   | 11.7  | 8.0   | 284   | 2.93  | 8.8   | 2.6   | 1.7   | 12.0  | 56    | <0.1  | 0.4   | 0.2   | 31    | 0.33  | 0.069 |      |
| 11DS0318 | Soil | 1.5                              | 15.2  | 10.5  | 64    | 0.1   | 14.6  | 9.3   | 274   | 2.38  | 8.0   | 1.9   | 22.3  | 7.0   | 30    | <0.1  | 0.3   | 0.2   | 42    | 0.36  | 0.061 |      |
| 11DS0319 | Soil | 2.0                              | 13.7  | 24.8  | 85    | 0.1   | 7.9   | 11.1  | 467   | 2.76  | 8.1   | 2.1   | 2.3   | 8.7   | 28    | 0.1   | 0.3   | 0.2   | 33    | 0.31  | 0.067 |      |
| 11DS0320 | Soil | 2.1                              | 19.2  | 88.7  | 93    | 0.4   | 10.3  | 7.5   | 198   | 2.64  | 19.6  | 3.8   | 8.1   | 10.1  | 36    | 0.2   | 0.6   | 0.8   | 28    | 0.20  | 0.061 |      |
| 11DS0321 | Soil | 2.3                              | 21.3  | 93.5  | 92    | 0.5   | 10.2  | 7.9   | 214   | 2.72  | 21.5  | 4.2   | 4.4   | 10.9  | 39    | 0.3   | 0.5   | 0.9   | 30    | 0.21  | 0.066 |      |
| 11DS0322 | Soil | 4.2                              | 20.1  | 64.3  | 97    | 0.2   | 4.7   | 5.5   | 243   | 3.67  | 19.9  | 4.0   | 1.8   | 19.4  | 69    | <0.1  | 0.4   | 0.7   | 15    | 0.10  | 0.056 |      |
| 11DS0323 | Soil | 2.5                              | 15.3  | 77.5  | 81    | 0.4   | 7.3   | 6.4   | 251   | 3.71  | 17.8  | 3.6   | 4.0   | 23.1  | 72    | 0.1   | 0.3   | 1.3   | 21    | 0.10  | 0.045 |      |
| 11DS0324 | Soil | 2.6                              | 21.0  | 120.5 | 59    | 0.8   | 15.5  | 4.0   | 74    | 2.19  | 18.5  | 2.2   | 13.5  | 3.1   | 39    | 0.2   | 0.1   | 4.3   | 19    | 0.18  | 0.062 |      |
| 11DS0325 | Soil | 2.2                              | 11.6  | 44.6  | 64    | 0.3   | 12.9  | 4.5   | 149   | 2.19  | 11.4  | 2.2   | 3.1   | 6.9   | 23    | 0.2   | 0.3   | 1.9   | 24    | 0.25  | 0.053 |      |
| 11DS0326 | Soil | 1.4                              | 14.8  | 17.3  | 57    | 0.1   | 8.6   | 7.8   | 286   | 2.81  | 7.2   | 2.6   | 2.2   | 7.7   | 32    | <0.1  | 0.3   | 0.2   | 35    | 0.27  | 0.046 |      |
| 11DS0327 | Soil | 2.7                              | 16.4  | 31.7  | 66    | 0.2   | 10.3  | 10.4  | 424   | 2.66  | 12.4  | 2.0   | 425.3 | 10.3  | 35    | 0.1   | 1.6   | 0.2   | 34    | 0.54  | 0.054 |      |
| 11DS0328 | Soil | 2.7                              | 19.7  | 13.3  | 59    | 0.2   | 6.9   | 9.9   | 430   | 2.58  | 8.0   | 2.1   | 173.4 | 14.8  | 15    | 0.1   | 0.4   | 0.2   | 26    | 0.41  | 0.080 |      |
| 11DS0329 | Soil | 0.5                              | 44.4  | 8.0   | 78    | <0.1  | 21.1  | 19.8  | 580   | 3.83  | 2.0   | 0.9   | 11.1  | 4.2   | 24    | <0.1  | <0.1  | <0.1  | 93    | 0.49  | 0.076 |      |
| 11DS0330 | Soil | 0.4                              | 43.5  | 7.5   | 74    | <0.1  | 20.9  | 19.7  | 579   | 3.83  | 2.0   | 0.9   | 8.7   | 4.1   | 24    | <0.1  | <0.1  | <0.1  | 92    | 0.49  | 0.074 |      |
| 11DS0331 | Soil | 1.3                              | 28.4  | 8.6   | 50    | <0.1  | 10.5  | 11.9  | 390   | 2.98  | 5.4   | 0.8   | 0.6   | 2.3   | 43    | <0.1  | 0.3   | 0.1   | 54    | 0.18  | 0.042 |      |
| 11DS0332 | Soil | 0.6                              | 10.9  | 5.6   | 121   | <0.1  | 10.1  | 16.0  | 872   | 4.11  | 4.0   | 0.4   | 0.8   | 5.0   | 15    | <0.1  | 0.2   | <0.1  | 63    | 0.39  | 0.137 |      |
| 11DS0333 | Soil | 0.5                              | 16.1  | 5.9   | 109   | 0.1   | 6.4   | 14.3  | 931   | 4.44  | 3.7   | 0.8   | 1.5   | 5.9   | 16    | <0.1  | 0.2   | <0.1  | 75    | 0.40  | 0.087 |      |
| 11DS0334 | Soil | 1.3                              | 19.1  | 15.8  | 44    | <0.1  | 7.6   | 5.6   | 259   | 1.85  | 15.2  | 2.2   | 1.8   | 21.6  | 13    | <0.1  | 0.1   | 0.1   | 16    | 0.22  | 0.048 |      |
| 11DS0335 | Soil | 1.9                              | 12.6  | 14.6  | 58    | <0.1  | 8.0   | 9.1   | 412   | 2.76  | 12.1  | 3.4   | 0.8   | 13.7  | 40    | <0.1  | 0.2   | 0.2   | 26    | 0.31  | 0.039 |      |



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Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0306 | Soil                             | 20    | 25    | 1.25  | 193   | 0.085 | 1     | 1.97  | 0.007 | 0.56  | <0.1  | 0.04  | 5.1   | 0.2   | <0.05 | 5     | 0.9   | 0.2   |
| 11DS0307 | Soil                             | 20    | 17    | 0.73  | 549   | 0.085 | 1     | 1.58  | 0.014 | 0.38  | <0.1  | 0.02  | 6.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0308 | Soil                             | 9     | 12    | 1.12  | 327   | 0.134 | <1    | 1.82  | 0.010 | 0.61  | 0.1   | 0.01  | 2.9   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0309 | Soil                             | 11    | 17    | 0.99  | 302   | 0.140 | <1    | 1.69  | 0.010 | 0.45  | 0.1   | 0.02  | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0310 | Soil                             | 8     | 10    | 0.69  | 400   | 0.110 | 1     | 1.34  | 0.009 | 0.47  | 0.1   | 0.02  | 1.2   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0311 | Soil                             | 28    | 5     | 0.15  | 236   | 0.006 | <1    | 0.57  | 0.007 | 0.07  | 0.1   | <0.01 | 2.3   | <0.1  | 0.08  | 2     | 1.6   | 3.9   |
| 11DS0312 | Soil                             | 17    | 21    | 0.62  | 164   | 0.084 | <1    | 1.45  | 0.012 | 0.19  | 0.1   | 0.03  | 1.7   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0313 | Soil                             | 12    | 22    | 0.69  | 204   | 0.090 | <1    | 1.35  | 0.011 | 0.15  | <0.1  | <0.01 | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0314 | Soil                             | 10    | 13    | 0.52  | 271   | 0.095 | <1    | 1.30  | 0.008 | 0.21  | 0.1   | <0.01 | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0315 | Soil                             | 9     | 14    | 0.48  | 145   | 0.045 | <1    | 1.38  | 0.006 | 0.27  | <0.1  | <0.01 | 1.8   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0316 | Soil                             | 35    | 15    | 0.43  | 214   | 0.037 | <1    | 1.04  | 0.023 | 0.14  | <0.1  | <0.01 | 1.6   | 0.1   | 0.06  | 2     | 0.8   | 0.5   |
| 11DS0317 | Soil                             | 28    | 16    | 0.45  | 249   | 0.070 | 1     | 1.08  | 0.054 | 0.17  | <0.1  | <0.01 | 2.2   | 0.1   | 0.24  | 3     | <0.5  | 0.2   |
| 11DS0318 | Soil                             | 17    | 23    | 0.54  | 217   | 0.083 | <1    | 1.24  | 0.015 | 0.10  | 0.1   | 0.03  | 2.4   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0319 | Soil                             | 23    | 13    | 0.56  | 144   | 0.110 | <1    | 1.15  | 0.022 | 0.19  | 0.1   | <0.01 | 1.6   | 0.1   | <0.05 | 3     | <0.5  | 0.2   |
| 11DS0320 | Soil                             | 27    | 14    | 0.38  | 149   | 0.060 | <1    | 1.10  | 0.026 | 0.10  | <0.1  | 0.03  | 2.3   | 0.1   | <0.05 | 3     | 1.5   | 0.6   |
| 11DS0321 | Soil                             | 29    | 15    | 0.39  | 157   | 0.062 | <1    | 1.20  | 0.028 | 0.11  | <0.1  | 0.03  | 2.4   | 0.1   | 0.06  | 3     | 1.5   | 0.6   |
| 11DS0322 | Soil                             | 39    | 8     | 0.26  | 161   | 0.059 | <1    | 1.13  | 0.075 | 0.23  | <0.1  | 0.01  | 1.2   | 0.2   | 0.40  | 3     | 0.8   | 0.7   |
| 11DS0323 | Soil                             | 54    | 12    | 0.20  | 197   | 0.034 | <1    | 1.05  | 0.157 | 0.18  | <0.1  | 0.01  | 1.8   | 0.1   | 0.62  | 3     | 1.3   | 0.8   |
| 11DS0324 | Soil                             | 25    | 24    | 0.22  | 203   | 0.020 | <1    | 0.92  | 0.020 | 0.07  | <0.1  | 0.05  | 1.4   | <0.1  | 0.10  | 3     | 1.5   | 2.2   |
| 11DS0325 | Soil                             | 17    | 19    | 0.36  | 181   | 0.048 | <1    | 1.00  | 0.012 | 0.06  | <0.1  | 0.02  | 1.6   | <0.1  | <0.05 | 3     | 0.8   | 1.4   |
| 11DS0326 | Soil                             | 22    | 16    | 0.60  | 163   | 0.082 | <1    | 1.47  | 0.019 | 0.17  | <0.1  | 0.01  | 1.8   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0327 | Soil                             | 19    | 18    | 0.62  | 207   | 0.071 | 1     | 1.33  | 0.012 | 0.22  | <0.1  | 0.04  | 1.8   | 0.2   | <0.05 | 4     | <0.5  | 1.1   |
| 11DS0328 | Soil                             | 25    | 8     | 0.58  | 184   | 0.044 | <1    | 1.19  | 0.007 | 0.23  | <0.1  | 0.02  | 1.8   | 0.1   | <0.05 | 3     | <0.5  | 0.2   |
| 11DS0329 | Soil                             | 11    | 28    | 1.81  | 431   | 0.209 | <1    | 2.63  | 0.013 | 0.82  | 0.1   | <0.01 | 5.7   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0330 | Soil                             | 11    | 28    | 1.81  | 430   | 0.208 | <1    | 2.66  | 0.013 | 0.84  | 0.1   | 0.01  | 5.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0331 | Soil                             | 5     | 19    | 0.61  | 2617  | 0.092 | <1    | 1.51  | 0.009 | 0.20  | 0.1   | <0.01 | 2.9   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0332 | Soil                             | 12    | 12    | 0.96  | 209   | 0.076 | <1    | 2.08  | 0.007 | 0.36  | <0.1  | <0.01 | 8.0   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0333 | Soil                             | 22    | 11    | 1.11  | 576   | 0.191 | <1    | 2.17  | 0.008 | 0.92  | <0.1  | 0.01  | 10.0  | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0334 | Soil                             | 42    | 8     | 0.32  | 171   | 0.020 | <1    | 0.84  | 0.005 | 0.16  | <0.1  | <0.01 | 1.8   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| 11DS0335 | Soil                             | 18    | 10    | 0.44  | 179   | 0.044 | <1    | 1.13  | 0.028 | 0.19  | <0.1  | 0.01  | 2.6   | 0.1   | 0.08  | 3     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0336 | Soil                             | 1.5   | 28.5  | 10.9  | 108   | 0.2   | 15.1  | 19.1  | 613   | 4.30  | 6.7   | 1.4   | 0.7   | 4.3   | 29    | 0.2   | 0.2   | 0.7   | 90    | 0.35  | 0.046 |
| 11DS0337 | Soil                             | 1.4   | 20.0  | 7.4   | 83    | <0.1  | 22.4  | 18.5  | 696   | 3.47  | 2.8   | 2.3   | <0.5  | 19.8  | 17    | <0.1  | 0.1   | 0.1   | 51    | 0.29  | 0.048 |
| 11DS0338 | Soil                             | 2.2   | 17.0  | 8.0   | 83    | <0.1  | 14.8  | 9.2   | 386   | 3.24  | 6.0   | 0.8   | 0.6   | 4.4   | 21    | <0.1  | 0.2   | <0.1  | 61    | 0.23  | 0.082 |
| 11DS0339 | Soil                             | 4.6   | 25.5  | 11.9  | 63    | <0.1  | 37.1  | 10.6  | 316   | 3.26  | 36.8  | 1.5   | 3.5   | 8.3   | 24    | <0.1  | 1.6   | <0.1  | 52    | 0.28  | 0.043 |
| 11DS0340 | Soil                             | 2.2   | 34.5  | 21.8  | 53    | <0.1  | 16.0  | 7.0   | 291   | 2.41  | 7.4   | 0.6   | 4.3   | 3.5   | 17    | <0.1  | 0.4   | 0.1   | 33    | 0.20  | 0.026 |
| 11DS0341 | Soil                             | 2.1   | 19.8  | 11.3  | 59    | 0.1   | 21.0  | 7.8   | 365   | 2.78  | 9.0   | 0.5   | 1.5   | 3.2   | 20    | 0.1   | 0.4   | 0.2   | 52    | 0.29  | 0.029 |
| 11DS0342 | Soil                             | 2.2   | 12.8  | 12.8  | 37    | 0.2   | 5.0   | 2.6   | 137   | 3.01  | 28.9  | 2.5   | 3.1   | 10.3  | 62    | <0.1  | 0.2   | 0.2   | 19    | 0.12  | 0.043 |
| 11DS0343 | Soil                             | 2.2   | 24.2  | 21.2  | 44    | 0.1   | 7.1   | 5.3   | 147   | 3.60  | 2.4   | 2.7   | 2.5   | 9.9   | 47    | <0.1  | 0.1   | 0.4   | 27    | 0.09  | 0.044 |
| 11DS0344 | Soil                             | 1.5   | 19.8  | 10.7  | 49    | 0.2   | 10.6  | 5.1   | 193   | 3.10  | 4.4   | 2.0   | 2.9   | 11.1  | 33    | <0.1  | 0.3   | 0.2   | 38    | 0.11  | 0.037 |
| 11DS0345 | Soil                             | 2.5   | 22.7  | 57.6  | 157   | 0.2   | 10.2  | 11.2  | 418   | 3.18  | 11.6  | 2.7   | 3.1   | 12.3  | 19    | 0.1   | 0.4   | 1.0   | 21    | 0.11  | 0.035 |
| 11DS0346 | Soil                             | 3.5   | 20.5  | 20.8  | 57    | 0.2   | 11.0  | 5.5   | 155   | 2.56  | 10.5  | 2.4   | 8.0   | 9.6   | 27    | <0.1  | 0.2   | 0.4   | 33    | 0.17  | 0.028 |
| 11DS0347 | Soil                             | 1.1   | 12.0  | 9.5   | 85    | 0.1   | 8.7   | 7.1   | 440   | 3.16  | 4.9   | 1.2   | 1.2   | 4.7   | 31    | <0.1  | 0.2   | <0.1  | 35    | 0.22  | 0.045 |
| 11DS0348 | Soil                             | 0.8   | 16.3  | 8.2   | 73    | <0.1  | 8.0   | 8.6   | 397   | 2.64  | 3.0   | 1.9   | 1.4   | 9.7   | 24    | <0.1  | 0.2   | <0.1  | 33    | 0.44  | 0.056 |
| 11DS0349 | Soil                             | 0.4   | 45.3  | 1.5   | 66    | <0.1  | 11.0  | 16.7  | 1081  | 3.08  | 1.7   | 0.4   | 1.8   | 1.3   | 18    | <0.1  | 0.1   | <0.1  | 76    | 0.88  | 0.219 |
| 11DS0350 | Soil                             | 0.2   | 65.8  | 4.2   | 49    | <0.1  | 24.9  | 21.9  | 876   | 3.83  | 1.5   | 0.3   | 5.4   | 1.2   | 17    | <0.1  | 0.1   | <0.1  | 101   | 1.09  | 0.133 |
| 11DS0351 | Soil                             | 1.1   | 23.2  | 7.4   | 57    | 0.1   | 14.5  | 11.1  | 524   | 2.62  | 4.1   | 1.4   | 8.7   | 6.5   | 24    | 0.1   | 0.2   | <0.1  | 37    | 0.63  | 0.082 |
| 11DS0352 | Soil                             | 0.2   | 19.8  | 3.0   | 160   | <0.1  | 14.6  | 16.0  | 1147  | 3.99  | 2.9   | 0.4   | 3.6   | 2.3   | 15    | <0.1  | 0.1   | <0.1  | 68    | 0.45  | 0.101 |
| 11DS0353 | Soil                             | 1.1   | 35.9  | 8.5   | 69    | <0.1  | 27.1  | 11.5  | 523   | 3.16  | 5.8   | 0.7   | 4.9   | 5.3   | 32    | <0.1  | 0.3   | 0.1   | 45    | 0.53  | 0.065 |
| 11DS0354 | Soil                             | 1.8   | 15.7  | 14.6  | 60    | <0.1  | 8.6   | 8.9   | 466   | 2.93  | 6.4   | 2.3   | 2.0   | 26.1  | 15    | <0.1  | 0.1   | 0.2   | 26    | 0.25  | 0.055 |
| 11DS0355 | Soil                             | 0.8   | 20.7  | 5.1   | 87    | <0.1  | 17.9  | 13.0  | 598   | 4.03  | 7.1   | 0.5   | <0.5  | 3.3   | 13    | <0.1  | 0.2   | <0.1  | 75    | 0.27  | 0.057 |
| 11DS0356 | Soil                             | 0.4   | 7.4   | 1.5   | 28    | <0.1  | 4.8   | 7.4   | 89    | 2.32  | 0.6   | 0.8   | <0.5  | 3.4   | 7     | <0.1  | <0.1  | <0.1  | 24    | 0.12  | 0.018 |
| 11DS0357 | Soil                             | 1.3   | 50.5  | 6.9   | 76    | <0.1  | 115.6 | 36.8  | 871   | 5.20  | 8.4   | 0.7   | 1.0   | 3.6   | 19    | <0.1  | 0.2   | <0.1  | 112   | 0.42  | 0.096 |
| 11DS0358 | Soil                             | 2.1   | 14.0  | 12.7  | 47    | 0.1   | 12.6  | 7.5   | 192   | 2.42  | 41.8  | 1.5   | 5.5   | 13.2  | 11    | <0.1  | 0.3   | 0.1   | 22    | 0.12  | 0.031 |
| 11DS0359 | Soil                             | 2.6   | 10.8  | 23.5  | 121   | 0.4   | 16.3  | 16.7  | 1224  | 2.59  | 15.1  | 5.2   | 3.5   | 9.3   | 28    | 0.5   | 0.3   | 0.4   | 16    | 0.50  | 0.055 |
| 11DS0360 | Soil                             | 5.5   | 33.3  | 132.0 | 233   | 0.8   | 13.2  | 12.5  | 374   | 4.13  | 33.5  | 2.6   | 7.7   | 16.2  | 50    | 0.3   | 0.5   | 3.1   | 15    | 0.09  | 0.064 |
| 11DS0361 | Soil                             | 4.6   | 24.7  | 117.2 | 189   | 0.7   | 16.7  | 9.6   | 301   | 4.09  | 25.6  | 1.8   | 3.9   | 12.7  | 44    | 0.3   | 0.4   | 2.4   | 25    | 0.12  | 0.059 |
| 11DS0362 | Soil                             | 1.9   | 9.2   | 20.1  | 43    | 0.2   | 8.2   | 5.2   | 200   | 2.63  | 11.0  | 2.4   | 6.5   | 10.8  | 42    | <0.1  | 0.2   | 0.3   | 22    | 0.16  | 0.050 |
| 11DS0363 | Soil                             | 1.3   | 11.6  | 8.2   | 61    | 0.1   | 10.5  | 7.6   | 319   | 2.33  | 5.0   | 1.2   | 2.0   | 5.8   | 24    | <0.1  | 0.2   | 0.1   | 37    | 0.38  | 0.055 |
| 11DS0364 | Soil                             | 1.7   | 18.3  | 4.9   | 84    | <0.1  | 12.8  | 13.1  | 433   | 3.67  | 4.2   | 0.6   | 11.2  | 2.5   | 16    | <0.1  | 0.1   | <0.1  | 66    | 0.42  | 0.112 |
| 11DS0365 | Soil                             | 22.6  | 10.0  | 16.6  | 37    | 0.2   | 4.4   | 6.4   | 89    | 5.61  | 86.9  | 3.2   | 4.6   | 18.9  | 111   | <0.1  | 0.2   | 0.4   | 10    | 0.11  | 0.086 |





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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0336 | Soil                             | 12    | 23    | 0.95  | 219   | 0.070 | <1    | 2.14  | 0.021 | 0.22  | <0.1  | <0.01 | 5.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0337 | Soil                             | 19    | 47    | 1.37  | 232   | 0.203 | <1    | 2.25  | 0.008 | 1.05  | 0.3   | <0.01 | 2.6   | 0.5   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0338 | Soil                             | 9     | 21    | 0.92  | 217   | 0.121 | <1    | 2.01  | 0.011 | 0.57  | <0.1  | <0.01 | 3.3   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0339 | Soil                             | 17    | 37    | 0.82  | 242   | 0.042 | <1    | 1.52  | 0.009 | 0.14  | <0.1  | 0.01  | 4.0   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0340 | Soil                             | 6     | 25    | 0.49  | 186   | 0.062 | <1    | 1.31  | 0.010 | 0.22  | <0.1  | <0.01 | 1.8   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0341 | Soil                             | 8     | 31    | 0.56  | 246   | 0.068 | 2     | 1.59  | 0.011 | 0.16  | 0.1   | 0.02  | 2.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0342 | Soil                             | 25    | 10    | 0.29  | 196   | 0.056 | 3     | 1.32  | 0.084 | 0.14  | <0.1  | 0.01  | 2.0   | <0.1  | 0.39  | 3     | 2.2   | 0.6   |
| 11DS0343 | Soil                             | 23    | 12    | 0.36  | 90    | 0.072 | 3     | 1.42  | 0.030 | 0.11  | <0.1  | 0.01  | 2.0   | 0.1   | 0.14  | 4     | 1.4   | 0.3   |
| 11DS0344 | Soil                             | 31    | 19    | 0.39  | 170   | 0.064 | 3     | 1.45  | 0.028 | 0.17  | <0.1  | 0.01  | 2.2   | 0.1   | 0.17  | 5     | 0.7   | 0.3   |
| 11DS0345 | Soil                             | 23    | 13    | 0.33  | 220   | 0.012 | 4     | 1.36  | 0.013 | 0.11  | <0.1  | 0.02  | 3.0   | <0.1  | 0.07  | 3     | 0.7   | 0.9   |
| 11DS0346 | Soil                             | 21    | 18    | 0.38  | 219   | 0.052 | 2     | 1.15  | 0.030 | 0.11  | <0.1  | 0.02  | 3.3   | <0.1  | 0.11  | 3     | 0.5   | 0.5   |
| 11DS0347 | Soil                             | 15    | 17    | 0.80  | 160   | 0.135 | 2     | 1.78  | 0.023 | 0.34  | <0.1  | 0.01  | 1.7   | 0.2   | 0.08  | 5     | <0.5  | <0.2  |
| 11DS0348 | Soil                             | 28    | 16    | 0.78  | 131   | 0.118 | 3     | 1.58  | 0.009 | 0.17  | 0.1   | <0.01 | 2.5   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0349 | Soil                             | 27    | 8     | 1.41  | 410   | 0.155 | <1    | 1.95  | 0.011 | 0.67  | <0.1  | 0.02  | 3.0   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0350 | Soil                             | 7     | 49    | 2.24  | 504   | 0.227 | 1     | 2.50  | 0.028 | 0.85  | 0.1   | 0.03  | 6.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0351 | Soil                             | 23    | 21    | 0.74  | 257   | 0.077 | 2     | 1.50  | 0.013 | 0.27  | <0.1  | 0.03  | 3.5   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0352 | Soil                             | 10    | 10    | 1.51  | 302   | 0.255 | 1     | 2.17  | 0.011 | 1.07  | 0.1   | 0.02  | 5.6   | 0.5   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0353 | Soil                             | 21    | 31    | 0.94  | 193   | 0.113 | 1     | 1.64  | 0.020 | 0.23  | 0.2   | 0.04  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0354 | Soil                             | 42    | 10    | 0.38  | 154   | 0.037 | <1    | 1.23  | 0.009 | 0.37  | <0.1  | 0.01  | 3.2   | 0.2   | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0355 | Soil                             | 9     | 23    | 1.10  | 357   | 0.192 | 2     | 2.19  | 0.011 | 0.91  | 0.1   | 0.01  | 5.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0356 | Soil                             | 13    | 7     | 0.10  | 88    | 0.017 | 2     | 0.58  | 0.010 | 0.08  | <0.1  | <0.01 | 1.5   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| 11DS0357 | Soil                             | 19    | 168   | 1.59  | 356   | 0.131 | 2     | 3.03  | 0.013 | 0.39  | 0.1   | 0.02  | 7.5   | 0.2   | <0.05 | 9     | 1.1   | <0.2  |
| 11DS0358 | Soil                             | 44    | 20    | 0.28  | 130   | 0.024 | 1     | 1.38  | 0.006 | 0.16  | <0.1  | 0.02  | 1.7   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0359 | Soil                             | 31    | 17    | 0.28  | 272   | 0.017 | 3     | 1.18  | 0.021 | 0.09  | <0.1  | 0.03  | 2.0   | <0.1  | 0.09  | 3     | 0.8   | 0.7   |
| 11DS0360 | Soil                             | 29    | 11    | 0.16  | 217   | 0.014 | 2     | 0.83  | 0.063 | 0.23  | 0.1   | 0.02  | 2.4   | 0.1   | 0.41  | 2     | 2.5   | 1.9   |
| 11DS0361 | Soil                             | 29    | 19    | 0.32  | 193   | 0.029 | 5     | 1.09  | 0.070 | 0.22  | 0.1   | 0.02  | 2.5   | 0.1   | 0.40  | 3     | 2.2   | 1.4   |
| 11DS0362 | Soil                             | 31    | 13    | 0.25  | 151   | 0.036 | 4     | 1.21  | 0.053 | 0.13  | <0.1  | 0.01  | 1.8   | 0.1   | 0.20  | 4     | 0.9   | 0.7   |
| 11DS0363 | Soil                             | 16    | 17    | 0.49  | 183   | 0.082 | 3     | 1.22  | 0.014 | 0.15  | 0.2   | 0.01  | 2.2   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0364 | Soil                             | 13    | 14    | 0.94  | 411   | 0.171 | 2     | 2.15  | 0.011 | 0.80  | 0.2   | <0.01 | 3.6   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0365 | Soil                             | 52    | 7     | 0.10  | 128   | 0.042 | 4     | 1.14  | 0.389 | 0.27  | <0.1  | <0.01 | 2.8   | 0.1   | 1.42  | 3     | 2.4   | 0.6   |



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Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11DS0366 | Soil                             | 3.2        | 25.6       | 29.7       | 68       | 0.3        | 4.0        | 3.7        | 277      | 4.72      | 12.4       | 3.8        | 0.9        | 17.1       | 67       | <0.1       | 0.1        | 0.3        | 29       | 0.12      |
| 11DS0367 | Soil                             | 6.1        | 22.3       | 116.7      | 82       | 0.3        | 7.4        | 2.8        | 100      | 3.11      | 30.3       | 1.6        | 3.7        | 18.7       | 25       | 0.1        | 0.2        | 1.2        | 19       | 0.11      |
| 11DS0368 | Soil                             | 2.3        | 12.2       | 9.8        | 52       | <0.1       | 8.8        | 7.5        | 307      | 2.40      | 7.8        | 1.1        | 0.9        | 6.9        | 11       | <0.1       | 0.2        | 0.1        | 27       | 0.17      |
| 11DS0369 | Soil                             | 1.1        | 13.4       | 4.9        | 81       | <0.1       | 10.6       | 8.5        | 616      | 3.95      | 3.0        | 0.6        | <0.5       | 4.6        | 14       | <0.1       | 0.2        | 0.1        | 46       | 0.22      |
| 11DS0370 | Soil                             | 0.4        | 13.7       | 2.5        | 123      | <0.1       | 6.9        | 14.3       | 760      | 2.75      | 1.6        | 0.3        | <0.5       | 2.1        | 9        | <0.1       | 0.1        | <0.1       | 50       | 0.33      |
| 11DS0371 | Soil                             | 0.3        | 15.2       | 2.9        | 146      | <0.1       | 10.3       | 13.9       | 808      | 3.57      | 3.7        | 0.3        | <0.5       | 1.8        | 13       | <0.1       | 0.2        | <0.1       | 68       | 0.35      |
| 11DS0372 | Soil                             | 2.3        | 40.7       | 49.1       | 139      | 0.2        | 9.9        | 8.8        | 480      | 3.35      | 28.0       | 3.7        | 1.8        | 14.7       | 39       | 0.2        | 0.2        | 0.8        | 15       | 0.20      |
| 11DS0373 | Soil                             | 0.8        | 19.1       | 6.1        | 121      | <0.1       | 12.4       | 12.4       | 1249     | 4.60      | 3.5        | 0.7        | <0.5       | 5.8        | 13       | 0.3        | 0.2        | <0.1       | 86       | 0.40      |
| 11DS0374 | Soil                             | 1.2        | 26.4       | 11.8       | 64       | 0.1        | 16.7       | 9.6        | 533      | 2.80      | 3.4        | 0.8        | 6.7        | 7.3        | 17       | <0.1       | 0.2        | 0.2        | 42       | 0.44      |
| 11DS0375 | Soil                             | 1.8        | 18.8       | 12.0       | 79       | <0.1       | 22.4       | 9.2        | 432      | 3.08      | 8.1        | 1.1        | 3.6        | 6.2        | 24       | <0.1       | 0.4        | 0.2        | 45       | 0.30      |
| 11DS0376 | Soil                             | 3.4        | 29.8       | 54.5       | 79       | 0.3        | 11.5       | 4.1        | 141      | 4.12      | 16.9       | 2.2        | 4.7        | 18.6       | 52       | <0.1       | 0.3        | 0.7        | 26       | 0.10      |
| 11DS0377 | Soil                             | 2.5        | 26.8       | 26.4       | 58       | 0.2        | 7.8        | 4.3        | 232      | 3.53      | 4.0        | 3.6        | <0.5       | 16.4       | 47       | <0.1       | 0.2        | 0.3        | 34       | 0.12      |
| 11NG0320 | Soil                             | 1.2        | 14.3       | 6.8        | 48       | 0.1        | 11.1       | 8.7        | 416      | 1.98      | 2.4        | 0.4        | 8.9        | 1.3        | 34       | 0.2        | 0.1        | 0.1        | 44       | 0.60      |
| 11NG0321 | Soil                             | 1.2        | 16.8       | 7.9        | 47       | 0.1        | 12.4       | 8.0        | 407      | 1.87      | 2.8        | 0.5        | 1.9        | 1.3        | 39       | 0.1        | 0.2        | 0.1        | 42       | 0.66      |
| 11NG0322 | Soil                             | 3.4        | 16.4       | 9.9        | 68       | 0.1        | 11.0       | 8.8        | 381      | 2.96      | 3.8        | 3.0        | 1.8        | 11.3       | 37       | <0.1       | 0.2        | 0.2        | 37       | 0.28      |
| 11NG0323 | Soil                             | 1.6        | 17.4       | 13.3       | 49       | <0.1       | 9.1        | 6.4        | 240      | 2.74      | 7.7        | 3.0        | 4.2        | 14.7       | 53       | <0.1       | 0.3        | 0.2        | 26       | 0.29      |
| 11NG0324 | Soil                             | 1.1        | 27.5       | 10.5       | 57       | <0.1       | 23.0       | 10.8       | 447      | 2.41      | 7.4        | 1.0        | 1.6        | 5.5        | 35       | 0.2        | 0.6        | 0.2        | 53       | 0.49      |
| 11NG0325 | Soil                             | 1.2        | 18.4       | 10.8       | 127      | 0.1        | 6.3        | 9.1        | 439      | 3.20      | 1.6        | 2.7        | 0.9        | 10.2       | 24       | <0.1       | 0.1        | 0.1        | 40       | 0.16      |
| 11NG0326 | Soil                             | 1.9        | 11.2       | 132.7      | 100      | 0.4        | 3.8        | 2.5        | 158      | 2.27      | 42.3       | 3.1        | 3.3        | 15.8       | 58       | 0.1        | 0.2        | 2.7        | 9        | 0.16      |
| 11NG0327 | Soil                             | 1.9        | 9.9        | 32.0       | 50       | 0.1        | 11.7       | 6.8        | 215      | 2.82      | 18.9       | 1.7        | 1.4        | 8.2        | 24       | 0.2        | 0.3        | 0.2        | 40       | 0.14      |
| 11NG0328 | Soil                             | 1.4        | 14.3       | 16.9       | 53       | 0.2        | 11.3       | 7.6        | 448      | 2.56      | 8.3        | 0.8        | 1.2        | 4.2        | 22       | 0.1        | 0.3        | 0.2        | 31       | 0.27      |
| 11NG0329 | Soil                             | 1.0        | 14.2       | 8.2        | 73       | <0.1       | 9.6        | 8.2        | 392      | 3.17      | 2.9        | 2.1        | <0.5       | 9.3        | 34       | <0.1       | 0.2        | <0.1       | 31       | 0.20      |
| 11NG0330 | Soil                             | 2.2        | 9.0        | 12.4       | 41       | <0.1       | 4.9        | 5.0        | 211      | 2.44      | 3.4        | 2.2        | <0.5       | 7.8        | 74       | <0.1       | 0.1        | <0.1       | 14       | 0.20      |
| 11NG0331 | Soil                             | 1.2        | 15.3       | 12.7       | 57       | <0.1       | 19.6       | 9.9        | 333      | 2.60      | 4.9        | 1.1        | 1.8        | 8.0        | 21       | <0.1       | 0.3        | <0.1       | 53       | 0.21      |
| 11NG0332 | Soil                             | 1.0        | 12.1       | 10.9       | 52       | 0.1        | 12.5       | 8.6        | 339      | 2.29      | 2.9        | 1.0        | <0.5       | 8.7        | 32       | <0.1       | 0.3        | 0.1        | 43       | 0.39      |
| 11NG0333 | Soil                             | 0.4        | 41.2       | 6.6        | 88       | 0.1        | 19.2       | 30.8       | 914      | 5.24      | 2.8        | 1.0        | 2.8        | 2.8        | 54       | <0.1       | 0.3        | <0.1       | 105      | 3.98      |
| 11NG0334 | Soil                             | 2.9        | 58.1       | 20.1       | 88       | 0.2        | 16.9       | 10.0       | 713      | 3.63      | 32.4       | 2.9        | 2.2        | 5.4        | 13       | <0.1       | 0.4        | 0.3        | 18       | 0.31      |
| 11NG0335 | Soil                             | 1.9        | 60.2       | 8.2        | 82       | 0.2        | 39.9       | 22.7       | 568      | 4.74      | 5.9        | 1.3        | 1.7        | 4.6        | 30       | <0.1       | 0.2        | <0.1       | 123      | 0.56      |
| 11NG0336 | Soil                             | 2.0        | 21.7       | 20.9       | 57       | <0.1       | 23.5       | 10.6       | 406      | 2.77      | 7.0        | 4.0        | 0.7        | 30.5       | 29       | <0.1       | 0.4        | 0.1        | 29       | 0.33      |
| 11NG0337 | Soil                             | 1.7        | 17.0       | 7.2        | 88       | <0.1       | 24.1       | 16.8       | 569      | 3.49      | 6.8        | 4.5        | 1.6        | 8.1        | 66       | <0.1       | 0.2        | <0.1       | 43       | 0.47      |



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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0366 | Soil                             | 37    | 10    | 0.50  | 201   | 0.119 | 2     | 1.70  | 0.091 | 0.34  | <0.1  | <0.01 | 2.5   | 0.3   | 0.51  | 5     | 1.4   | 0.5   |
| 11DS0367 | Soil                             | 23    | 12    | 0.17  | 150   | 0.022 | 4     | 1.31  | 0.042 | 0.09  | <0.1  | 0.02  | 2.1   | 0.1   | 0.15  | 4     | 1.5   | 3.3   |
| 11DS0368 | Soil                             | 7     | 15    | 0.31  | 113   | 0.025 | 3     | 1.58  | 0.007 | 0.14  | <0.1  | <0.01 | 1.6   | 0.2   | <0.05 | 4     | <0.5  | 0.2   |
| 11DS0369 | Soil                             | 11    | 21    | 0.94  | 311   | 0.137 | 2     | 2.22  | 0.009 | 0.87  | 0.1   | <0.01 | 6.2   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0370 | Soil                             | 6     | 9     | 1.14  | 208   | 0.165 | 2     | 1.68  | 0.008 | 0.79  | 0.1   | <0.01 | 8.4   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0371 | Soil                             | 6     | 12    | 1.41  | 225   | 0.233 | 1     | 2.20  | 0.010 | 1.18  | 0.1   | <0.01 | 5.2   | 0.5   | <0.05 | 8     | 0.5   | <0.2  |
| 11DS0372 | Soil                             | 34    | 10    | 0.26  | 136   | 0.051 | 2     | 1.09  | 0.036 | 0.23  | <0.1  | 0.03  | 2.7   | 0.2   | 0.10  | 3     | 1.0   | 1.4   |
| 11DS0373 | Soil                             | 12    | 16    | 1.19  | 372   | 0.226 | 2     | 2.30  | 0.011 | 1.12  | <0.1  | 0.01  | 12.6  | 0.3   | <0.05 | 10    | 0.6   | <0.2  |
| 11DS0374 | Soil                             | 16    | 21    | 0.93  | 309   | 0.083 | 1     | 1.99  | 0.011 | 0.56  | <0.1  | 0.02  | 4.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0375 | Soil                             | 14    | 38    | 0.71  | 201   | 0.097 | <1    | 1.96  | 0.022 | 0.18  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11DS0376 | Soil                             | 40    | 16    | 0.24  | 182   | 0.031 | <1    | 1.08  | 0.127 | 0.15  | <0.1  | 0.02  | 2.5   | 0.1   | 0.57  | 3     | 2.4   | 1.3   |
| 11DS0377 | Soil                             | 26    | 15    | 0.45  | 163   | 0.131 | 1     | 1.70  | 0.040 | 0.19  | <0.1  | <0.01 | 2.1   | 0.2   | 0.22  | 5     | 1.1   | 0.6   |
| 11NG0320 | Soil                             | 6     | 16    | 0.66  | 277   | 0.119 | 2     | 1.31  | 0.013 | 0.22  | 0.1   | 0.03  | 1.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0321 | Soil                             | 8     | 18    | 0.58  | 322   | 0.105 | 2     | 1.25  | 0.016 | 0.20  | 0.1   | 0.04  | 1.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0322 | Soil                             | 28    | 19    | 0.69  | 240   | 0.153 | <1    | 1.58  | 0.026 | 0.27  | <0.1  | <0.01 | 2.5   | 0.3   | 0.07  | 5     | <0.5  | <0.2  |
| 11NG0323 | Soil                             | 27    | 15    | 0.47  | 141   | 0.088 | 2     | 1.41  | 0.060 | 0.10  | <0.1  | <0.01 | 2.1   | 0.1   | 0.13  | 3     | <0.5  | 0.2   |
| 11NG0324 | Soil                             | 16    | 27    | 0.58  | 217   | 0.093 | 2     | 1.22  | 0.032 | 0.09  | 0.2   | 0.02  | 3.0   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11NG0325 | Soil                             | 17    | 12    | 0.73  | 143   | 0.207 | <1    | 1.71  | 0.012 | 0.60  | <0.1  | <0.01 | 1.6   | 0.5   | <0.05 | 6     | <0.5  | 0.2   |
| 11NG0326 | Soil                             | 28    | 6     | 0.11  | 171   | 0.039 | <1    | 0.64  | 0.019 | 0.16  | <0.1  | <0.01 | 1.0   | 0.1   | 0.25  | 2     | 1.4   | 1.9   |
| 11NG0327 | Soil                             | 13    | 21    | 0.32  | 157   | 0.052 | <1    | 1.54  | 0.013 | 0.06  | <0.1  | 0.01  | 1.8   | <0.1  | <0.05 | 4     | 0.8   | 0.4   |
| 11NG0328 | Soil                             | 9     | 16    | 0.41  | 267   | 0.023 | 1     | 1.47  | 0.008 | 0.09  | 0.1   | <0.01 | 2.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0329 | Soil                             | 14    | 17    | 0.72  | 172   | 0.168 | <1    | 1.94  | 0.018 | 0.37  | <0.1  | <0.01 | 1.2   | 0.3   | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0330 | Soil                             | 19    | 8     | 0.37  | 202   | 0.039 | <1    | 1.46  | 0.032 | 0.08  | <0.1  | <0.01 | 1.3   | <0.1  | 0.07  | 3     | <0.5  | <0.2  |
| 11NG0331 | Soil                             | 12    | 33    | 0.56  | 207   | 0.103 | <1    | 1.61  | 0.012 | 0.26  | <0.1  | 0.01  | 2.3   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0332 | Soil                             | 11    | 19    | 0.43  | 205   | 0.078 | <1    | 1.51  | 0.009 | 0.21  | <0.1  | 0.01  | 1.7   | 0.2   | <0.05 | 5     | 0.5   | <0.2  |
| 11NG0333 | Soil                             | 18    | 24    | 1.92  | 349   | 0.141 | 2     | 2.54  | 0.018 | 0.53  | <0.1  | 0.02  | 8.3   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0334 | Soil                             | 32    | 11    | 0.29  | 134   | 0.007 | 2     | 1.24  | 0.006 | 0.15  | <0.1  | 0.04  | 4.5   | 0.1   | <0.05 | 3     | 0.8   | <0.2  |
| 11NG0335 | Soil                             | 18    | 52    | 1.54  | 376   | 0.214 | <1    | 2.60  | 0.017 | 0.69  | <0.1  | 0.03  | 6.5   | 0.2   | <0.05 | 8     | 1.1   | <0.2  |
| 11NG0336 | Soil                             | 47    | 29    | 0.45  | 195   | 0.091 | <1    | 1.46  | 0.012 | 0.32  | 0.1   | 0.01  | 3.8   | 0.3   | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0337 | Soil                             | 20    | 33    | 1.26  | 259   | 0.214 | <1    | 2.06  | 0.018 | 0.53  | 0.1   | <0.01 | 1.7   | 0.4   | 0.06  | 4     | 0.9   | <0.2  |



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Project: Mariposa

Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11NG0338 | Soil                             | 1.9        | 14.5       | 29.3       | 119      | 0.1        | 13.0       | 12.3       | 1186     | 3.66      | 13.1       | 3.5        | 2.1        | 6.7        | 84       | 0.3        | 0.2        | 0.6        | 34       | 0.67      |
| 11NG0339 | Soil                             | 1.8        | 24.6       | 14.6       | 72       | <0.1       | 23.1       | 11.7       | 367      | 2.78      | 9.4        | 1.8        | 13.5       | 7.3        | 37       | 0.1        | 0.4        | 0.5        | 53       | 0.53      |
| 11NG0340 | Soil                             | 1.8        | 27.3       | 11.5       | 78       | 0.1        | 21.9       | 10.3       | 348      | 2.70      | 7.8        | 1.6        | 11.5       | 6.4        | 36       | 0.1        | 0.4        | 0.5        | 47       | 0.57      |
| 11NG0341 | Soil                             | 1.7        | 27.5       | 12.2       | 86       | 0.1        | 22.3       | 11.3       | 349      | 2.82      | 8.5        | 1.7        | 9.5        | 6.8        | 38       | 0.1        | 0.5        | 0.6        | 48       | 0.57      |
| 11NG0342 | Soil                             | 1.6        | 9.7        | 7.0        | 57       | <0.1       | 13.7       | 10.6       | 373      | 2.48      | 3.4        | 0.6        | <0.5       | 2.4        | 20       | <0.1       | 0.2        | <0.1       | 31       | 0.33      |
| 11NG0343 | Soil                             | 2.2        | 14.3       | 8.8        | 57       | <0.1       | 15.2       | 8.5        | 389      | 2.66      | 7.2        | 0.8        | <0.5       | 5.3        | 20       | <0.1       | 0.4        | 0.1        | 42       | 0.26      |
| 11NG0344 | Soil                             | 2.5        | 14.4       | 15.0       | 86       | <0.1       | 16.5       | 9.5        | 422      | 2.71      | 14.0       | 1.3        | <0.5       | 11.8       | 30       | <0.1       | 0.7        | 0.2        | 41       | 0.34      |
| 11NG0345 | Soil                             | 1.9        | 18.3       | 13.3       | 125      | 0.1        | 9.8        | 20.1       | 775      | 4.63      | 4.4        | 2.4        | <0.5       | 6.0        | 27       | <0.1       | 0.4        | 0.3        | 62       | 0.26      |
| 11NG0346 | Soil                             | 1.8        | 21.9       | 16.2       | 66       | 0.1        | 17.0       | 13.3       | 582      | 3.23      | 5.7        | 2.7        | 2.1        | 13.4       | 24       | <0.1       | 0.3        | 0.3        | 24       | 0.23      |
| 11NG0347 | Soil                             | 3.0        | 27.6       | 158.1      | 127      | 0.9        | 14.1       | 5.2        | 243      | 3.63      | 14.5       | 4.3        | 4.8        | 13.3       | 77       | 0.2        | 0.3        | 4.9        | 33       | 0.17      |
| 11NG0348 | Soil                             | 2.1        | 17.6       | 103.4      | 192      | 0.3        | 16.8       | 11.1       | 522      | 3.34      | 19.9       | 2.4        | 1.0        | 9.0        | 38       | 0.2        | 0.3        | 3.4        | 45       | 0.24      |
| 11NG0349 | Soil                             | 1.7        | 31.7       | 48.2       | 95       | 0.2        | 8.1        | 6.6        | 312      | 2.75      | 7.9        | 2.9        | 1.7        | 9.9        | 51       | 0.1        | 0.2        | 0.4        | 16       | 0.17      |
| 11NG0350 | Soil                             | 0.9        | 16.1       | 9.7        | 131      | <0.1       | 14.4       | 9.0        | 234      | 2.38      | 6.5        | 0.9        | 1.4        | 3.4        | 39       | <0.1       | 0.3        | 0.2        | 43       | 0.22      |
| 11NG0351 | Soil                             | 0.5        | 15.4       | 6.0        | 77       | <0.1       | 8.3        | 13.1       | 577      | 3.33      | 1.7        | 1.3        | 1.3        | 7.8        | 24       | <0.1       | 0.1        | 0.1        | 42       | 0.37      |
| 11NG0352 | Soil                             | 0.9        | 15.7       | 6.1        | 85       | <0.1       | 13.0       | 13.0       | 567      | 3.43      | 3.6        | 1.4        | <0.5       | 6.9        | 38       | <0.1       | 0.2        | <0.1       | 52       | 0.56      |
| 11NG0353 | Soil                             | 1.1        | 22.2       | 12.4       | 68       | <0.1       | 19.4       | 13.4       | 559      | 3.23      | 3.8        | 2.8        | 0.7        | 22.7       | 26       | <0.1       | 0.2        | <0.1       | 43       | 0.57      |
| 11NG0354 | Soil                             | 1.3        | 15.1       | 17.6       | 84       | 0.1        | 11.2       | 8.5        | 427      | 2.39      | 7.3        | 1.6        | 7.4        | 4.2        | 52       | 0.2        | 0.2        | 0.4        | 38       | 0.57      |
| 11NG0355 | Soil                             | 2.4        | 19.9       | 7.5        | 72       | 0.3        | 16.6       | 10.6       | 453      | 2.72      | 13.1       | 2.6        | 9.3        | 3.3        | 35       | 0.2        | 0.2        | 0.1        | 49       | 0.91      |
| 11NG0356 | Soil                             | 1.3        | 22.4       | 7.4        | 91       | <0.1       | 16.5       | 16.2       | 557      | 4.14      | 13.2       | 0.8        | 14.1       | 4.5        | 25       | <0.1       | 0.2        | 0.2        | 79       | 0.59      |
| 11NG0357 | Soil                             | 1.2        | 20.1       | 11.3       | 54       | <0.1       | 16.4       | 9.9        | 338      | 2.63      | 11.6       | 1.0        | 6.9        | 8.1        | 21       | <0.1       | 0.3        | 0.3        | 50       | 0.36      |
| 11NG0358 | Soil                             | 2.0        | 18.3       | 8.8        | 63       | 0.2        | 10.9       | 13.8       | 292      | 3.95      | 14.0       | 2.2        | 33.2       | 13.2       | 43       | <0.1       | 0.3        | 0.1        | 34       | 0.29      |
| 11NG0359 | Soil                             | 1.7        | 31.6       | 214.9      | 270      | 1.2        | 11.8       | 11.0       | 535      | 3.32      | 34.9       | 2.8        | 4.1        | 13.6       | 23       | 0.7        | 0.4        | 4.8        | 35       | 0.31      |
| 11NG0360 | Soil                             | 1.3        | 28.5       | 7.3        | 100      | <0.1       | 18.5       | 13.6       | 425      | 3.50      | 7.1        | 0.7        | <0.5       | 3.5        | 17       | <0.1       | 0.3        | 0.1        | 76       | 0.30      |
| 11NG0361 | Soil                             | 1.3        | 28.3       | 8.9        | 111      | <0.1       | 17.2       | 13.6       | 492      | 3.68      | 7.3        | 0.7        | 1.6        | 3.7        | 19       | <0.1       | 0.3        | 0.1        | 80       | 0.33      |
| 11NG0362 | Soil                             | 9.2        | 173.7      | 7.5        | 94       | <0.1       | 30.8       | 17.2       | 458      | 5.51      | 14.0       | 1.7        | <0.5       | 10.0       | 42       | <0.1       | 0.3        | 0.1        | 91       | 0.46      |
| 11NG0363 | Soil                             | 2.6        | 34.1       | 12.3       | 80       | 0.1        | 22.2       | 11.5       | 462      | 3.58      | 10.6       | 1.5        | 1.5        | 9.1        | 29       | <0.1       | 0.4        | 0.2        | 67       | 0.27      |
| 11NG0364 | Soil                             | 7.3        | 19.1       | 19.3       | 43       | <0.1       | 4.1        | 5.0        | 131      | 4.43      | 83.9       | 2.9        | 2.6        | 19.5       | 72       | <0.1       | 0.3        | 0.3        | 22       | 0.12      |
| 11NG0365 | Soil                             | 4.1        | 15.1       | 14.6       | 45       | 0.2        | 11.1       | 5.2        | 216      | 2.96      | 22.7       | 1.8        | 3.5        | 8.7        | 36       | <0.1       | 0.3        | 0.3        | 34       | 0.23      |
| 11NG0366 | Soil                             | 4.9        | 21.0       | 44.3       | 58       | 0.3        | 8.9        | 3.1        | 99       | 2.83      | 28.8       | 2.7        | 8.5        | 11.2       | 32       | <0.1       | 0.3        | 0.6        | 27       | 0.10      |
| 11NG0367 | Soil                             | 3.8        | 17.4       | 39.6       | 61       | 0.2        | 13.0       | 5.2        | 144      | 2.74      | 16.0       | 1.5        | 7.4        | 8.0        | 24       | <0.1       | 0.3        | 0.9        | 37       | 0.10      |



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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0338 | Soil                             | 20    | 16    | 0.49  | 245   | 0.068 | <1    | 1.15  | 0.018 | 0.12  | <0.1  | 0.02  | 2.8   | <0.1  | 0.06  | 3     | 1.1   | 0.5   |
| 11NG0339 | Soil                             | 17    | 34    | 0.61  | 249   | 0.098 | <1    | 1.49  | 0.025 | 0.13  | 0.2   | 0.02  | 4.1   | 0.1   | <0.05 | 4     | 0.9   | 0.3   |
| 11NG0340 | Soil                             | 17    | 30    | 0.61  | 239   | 0.091 | <1    | 1.51  | 0.021 | 0.10  | 0.1   | 0.03  | 4.1   | <0.1  | <0.05 | 4     | 0.8   | 0.2   |
| 11NG0341 | Soil                             | 18    | 32    | 0.62  | 258   | 0.089 | 1     | 1.55  | 0.022 | 0.10  | 0.2   | 0.04  | 4.0   | <0.1  | <0.05 | 4     | 0.5   | 0.2   |
| 11NG0342 | Soil                             | 6     | 17    | 0.96  | 135   | 0.126 | <1    | 1.90  | 0.008 | 0.48  | <0.1  | <0.01 | 1.4   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0343 | Soil                             | 14    | 20    | 0.58  | 233   | 0.061 | <1    | 1.75  | 0.011 | 0.24  | <0.1  | 0.01  | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0344 | Soil                             | 8     | 33    | 0.93  | 258   | 0.073 | <1    | 2.16  | 0.008 | 0.19  | 0.1   | <0.01 | 2.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0345 | Soil                             | 21    | 14    | 1.03  | 352   | 0.159 | <1    | 2.65  | 0.009 | 0.57  | <0.1  | <0.01 | 3.6   | 0.5   | <0.05 | 7     | <0.5  | 0.2   |
| 11NG0346 | Soil                             | 29    | 22    | 0.49  | 405   | 0.047 | <1    | 1.35  | 0.012 | 0.12  | <0.1  | <0.01 | 3.1   | 0.1   | <0.05 | 3     | 0.6   | <0.2  |
| 11NG0347 | Soil                             | 27    | 26    | 0.61  | 202   | 0.084 | <1    | 1.79  | 0.026 | 0.11  | <0.1  | 0.02  | 2.7   | 0.1   | 0.10  | 4     | 2.1   | 1.3   |
| 11NG0348 | Soil                             | 13    | 26    | 0.86  | 186   | 0.136 | <1    | 1.98  | 0.027 | 0.21  | <0.1  | <0.01 | 1.8   | 0.2   | 0.10  | 5     | 1.4   | 4.8   |
| 11NG0349 | Soil                             | 31    | 12    | 0.35  | 108   | 0.059 | <1    | 1.27  | 0.036 | 0.10  | <0.1  | <0.01 | 2.2   | 0.1   | 0.13  | 2     | 1.2   | 1.1   |
| 11NG0350 | Soil                             | 8     | 22    | 0.59  | 191   | 0.078 | <1    | 1.55  | 0.014 | 0.21  | <0.1  | <0.01 | 1.8   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11NG0351 | Soil                             | 25    | 15    | 1.01  | 223   | 0.180 | <1    | 1.84  | 0.009 | 0.52  | <0.1  | <0.01 | 2.1   | 0.3   | <0.05 | 6     | 0.8   | <0.2  |
| 11NG0352 | Soil                             | 37    | 23    | 1.13  | 263   | 0.227 | <1    | 2.20  | 0.011 | 0.59  | <0.1  | <0.01 | 2.3   | 0.3   | <0.05 | 5     | 0.7   | <0.2  |
| 11NG0353 | Soil                             | 66    | 28    | 0.77  | 165   | 0.116 | 1     | 1.72  | 0.009 | 0.39  | <0.1  | 0.02  | 2.7   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0354 | Soil                             | 15    | 16    | 0.50  | 210   | 0.065 | 1     | 1.18  | 0.014 | 0.14  | <0.1  | 0.02  | 2.9   | <0.1  | <0.05 | 4     | <0.5  | 0.2   |
| 11NG0355 | Soil                             | 16    | 25    | 0.61  | 276   | 0.081 | 1     | 1.46  | 0.016 | 0.17  | 0.1   | 0.03  | 3.6   | 0.2   | 0.06  | 5     | 0.9   | <0.2  |
| 11NG0356 | Soil                             | 15    | 29    | 1.34  | 414   | 0.164 | <1    | 2.40  | 0.009 | 0.37  | 0.2   | 0.01  | 5.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0357 | Soil                             | 23    | 23    | 0.50  | 261   | 0.069 | <1    | 1.39  | 0.011 | 0.10  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0358 | Soil                             | 32    | 10    | 0.51  | 193   | 0.056 | <1    | 1.29  | 0.100 | 0.36  | <0.1  | 0.01  | 3.0   | 0.2   | 0.47  | 3     | <0.5  | <0.2  |
| 11NG0359 | Soil                             | 32    | 14    | 0.35  | 182   | 0.029 | <1    | 1.00  | 0.016 | 0.14  | <0.1  | 0.03  | 4.0   | 0.1   | <0.05 | 3     | 1.0   | 0.3   |
| 11NG0360 | Soil                             | 10    | 26    | 0.82  | 310   | 0.139 | <1    | 1.91  | 0.011 | 0.46  | <0.1  | <0.01 | 4.5   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0361 | Soil                             | 12    | 27    | 0.81  | 340   | 0.140 | <1    | 1.98  | 0.012 | 0.47  | <0.1  | <0.01 | 4.7   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0362 | Soil                             | 19    | 49    | 0.76  | 263   | 0.115 | <1    | 1.93  | 0.024 | 0.46  | <0.1  | <0.01 | 4.8   | 0.2   | <0.05 | 6     | 0.7   | 0.4   |
| 11NG0363 | Soil                             | 19    | 34    | 0.76  | 362   | 0.099 | <1    | 1.96  | 0.015 | 0.29  | <0.1  | 0.02  | 4.3   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0364 | Soil                             | 36    | 7     | 0.18  | 209   | 0.050 | <1    | 1.04  | 0.106 | 0.19  | <0.1  | 0.01  | 2.8   | <0.1  | 0.47  | 3     | 1.4   | 0.6   |
| 11NG0365 | Soil                             | 22    | 18    | 0.44  | 276   | 0.058 | <1    | 1.32  | 0.027 | 0.13  | <0.1  | 0.02  | 2.4   | 0.1   | 0.11  | 4     | 0.9   | 0.6   |
| 11NG0366 | Soil                             | 22    | 17    | 0.23  | 211   | 0.038 | <1    | 1.06  | 0.034 | 0.11  | <0.1  | 0.02  | 2.2   | <0.1  | 0.19  | 3     | 2.4   | 0.6   |
| 11NG0367 | Soil                             | 19    | 23    | 0.33  | 285   | 0.037 | <1    | 1.37  | 0.022 | 0.09  | <0.1  | 0.01  | 2.1   | <0.1  | 0.09  | 4     | 1.0   | 0.6   |



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Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |     |    |      |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V   | Ca | P    |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | %  | %    |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1 | 2  | 0.01 |
| 11NG0368 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0369 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0370 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0371 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0372 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0373 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0374 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0375 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0376 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0377 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0378 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0379 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0380 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0381 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0382 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0383 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0384 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0385 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0386 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0387 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0388 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0389 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0390 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0391 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0392 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0393 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0394 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0395 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11NG0396 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0288 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |



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Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0368 | Soil                             | 14    | 24    | 0.49  | 204   | 0.041 | <1    | 1.76  | 0.007 | 0.17  | <0.1  | 0.01  | 2.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0369 | Soil                             | 18    | 22    | 0.60  | 143   | 0.094 | <1    | 1.51  | 0.010 | 0.14  | 0.1   | <0.01 | 2.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0370 | Soil                             | 26    | 24    | 0.57  | 173   | 0.056 | <1    | 1.49  | 0.010 | 0.14  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0371 | Soil                             | 17    | 17    | 1.71  | 360   | 0.179 | <1    | 2.21  | 0.011 | 0.79  | <0.1  | 0.03  | 2.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0372 | Soil                             | 34    | 29    | 0.81  | 227   | 0.094 | 1     | 1.75  | 0.016 | 0.38  | 0.1   | 0.02  | 4.2   | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| 11NG0373 | Soil                             | 11    | 17    | 0.56  | 250   | 0.091 | <1    | 1.61  | 0.011 | 0.34  | <0.1  | 0.01  | 2.9   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0374 | Soil                             | 15    | 19    | 0.86  | 556   | 0.145 | <1    | 1.60  | 0.016 | 0.51  | 0.1   | 0.06  | 4.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0375 | Soil                             | 11    | 23    | 1.23  | 242   | 0.110 | <1    | 2.02  | 0.016 | 0.63  | <0.1  | <0.01 | 4.5   | 0.5   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0376 | Soil                             | 11    | 19    | 1.22  | 457   | 0.137 | <1    | 2.13  | 0.010 | 0.61  | 0.2   | <0.01 | 5.3   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11NG0377 | Soil                             | 25    | 27    | 0.58  | 243   | 0.044 | <1    | 1.63  | 0.014 | 0.10  | <0.1  | 0.03  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0378 | Soil                             | 69    | 25    | 0.42  | 192   | 0.028 | <1    | 1.40  | 0.005 | 0.09  | <0.1  | 0.01  | 2.4   | <0.1  | <0.05 | 3     | <0.5  | 0.4   |
| 11NG0379 | Soil                             | 27    | 26    | 0.64  | 171   | 0.053 | <1    | 1.85  | 0.030 | 0.26  | <0.1  | 0.01  | 5.1   | 0.3   | 0.17  | 5     | 1.3   | 0.6   |
| 11NG0380 | Soil                             | 56    | 8     | 0.04  | 229   | 0.002 | <1    | 0.51  | 0.131 | 0.30  | <0.1  | <0.01 | 2.0   | <0.1  | 0.84  | <1    | 2.5   | 0.3   |
| 11NG0381 | Soil                             | 52    | 5     | 0.05  | 247   | 0.003 | <1    | 0.51  | 0.106 | 0.27  | <0.1  | 0.01  | 2.0   | <0.1  | 0.75  | <1    | 2.4   | 0.3   |
| 11NG0382 | Soil                             | 21    | 31    | 0.56  | 331   | 0.058 | <1    | 1.72  | 0.023 | 0.16  | <0.1  | 0.02  | 3.3   | 0.2   | 0.15  | 6     | <0.5  | 0.4   |
| 11NG0383 | Soil                             | 12    | 20    | 0.58  | 302   | 0.076 | <1    | 1.52  | 0.011 | 0.11  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0384 | Soil                             | 15    | 12    | 0.33  | 117   | 0.015 | <1    | 1.67  | 0.012 | 0.06  | <0.1  | <0.01 | 1.3   | <0.1  | <0.05 | 3     | <0.5  | 0.5   |
| 11NG0385 | Soil                             | 54    | 10    | 0.15  | 172   | 0.084 | <1    | 0.90  | 0.129 | 0.29  | <0.1  | <0.01 | 2.1   | 0.1   | 0.80  | 4     | 4.4   | 0.2   |
| 11NG0386 | Soil                             | 22    | 15    | 0.32  | 166   | 0.098 | <1    | 1.60  | 0.159 | 0.25  | <0.1  | 0.01  | 1.7   | 0.2   | 0.72  | 5     | 6.2   | 1.2   |
| 11NG0387 | Soil                             | 27    | 24    | 0.70  | 130   | 0.095 | <1    | 1.95  | 0.012 | 0.11  | <0.1  | <0.01 | 3.0   | 0.2   | 0.06  | 4     | 0.9   | 1.2   |
| 11NG0388 | Soil                             | 37    | 22    | 1.01  | 173   | 0.135 | 2     | 1.88  | 0.012 | 0.49  | 0.1   | 0.01  | 2.0   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0389 | Soil                             | 10    | 33    | 1.52  | 330   | 0.190 | 2     | 2.39  | 0.011 | 0.70  | 0.2   | 0.01  | 5.6   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0390 | Soil                             | 6     | 26    | 0.75  | 249   | 0.129 | 1     | 1.69  | 0.011 | 0.30  | 0.2   | 0.01  | 4.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0391 | Soil                             | 10    | 21    | 1.01  | 451   | 0.176 | 2     | 1.58  | 0.023 | 0.43  | 0.2   | 0.03  | 4.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0392 | Soil                             | 26    | 13    | 0.28  | 145   | 0.041 | 1     | 1.22  | 0.038 | 0.11  | <0.1  | 0.02  | 2.8   | <0.1  | 0.19  | 4     | 0.5   | 0.3   |
| 11NG0393 | Soil                             | 24    | 8     | 0.46  | 239   | 0.082 | <1    | 1.28  | 0.085 | 0.20  | <0.1  | 0.02  | 1.9   | 0.2   | 0.32  | 3     | 2.3   | 0.4   |
| 11NG0394 | Soil                             | 17    | 19    | 0.99  | 320   | 0.182 | <1    | 2.13  | 0.011 | 0.85  | <0.1  | 0.01  | 2.3   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0395 | Soil                             | 11    | 13    | 1.21  | 167   | 0.149 | <1    | 2.43  | 0.008 | 0.68  | <0.1  | <0.01 | 2.1   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0396 | Soil                             | 18    | 17    | 0.48  | 196   | 0.028 | <1    | 1.68  | 0.005 | 0.12  | <0.1  | 0.01  | 1.8   | 0.1   | <0.05 | 5     | <0.5  | 0.2   |
| 11CB0288 | Soil                             | 9     | 34    | 0.60  | 371   | 0.084 | 1     | 1.87  | 0.010 | 0.20  | 0.1   | <0.01 | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB0289 | Soil |                                  | 1.5   | 12.1  | 12.1  | 48    | 0.2   | 9.3   | 7.4   | 401   | 2.81  | 8.2   | 1.0   | 9.0   | 7.5   | 40    | <0.1  | 0.5   | 0.2   | 34    | 0.22  | 0.043 |
| 11CB0290 | Soil |                                  | 1.5   | 13.8  | 13.2  | 68    | 0.2   | 7.7   | 8.7   | 413   | 3.02  | 3.8   | 2.5   | <0.5  | 14.7  | 36    | 0.1   | 0.2   | 0.1   | 30    | 0.20  | 0.051 |
| 11CB0291 | Soil |                                  | 2.1   | 16.4  | 14.0  | 59    | 0.3   | 15.9  | 9.0   | 246   | 3.18  | 8.5   | 0.9   | <0.5  | 5.9   | 13    | 0.1   | 0.5   | 0.2   | 59    | 0.12  | 0.028 |
| 11CB0292 | Soil |                                  | 1.4   | 22.6  | 12.3  | 59    | <0.1  | 23.5  | 9.9   | 312   | 3.01  | 9.2   | 0.9   | 1.3   | 8.2   | 17    | <0.1  | 0.6   | 0.2   | 65    | 0.17  | 0.018 |
| 11CB0293 | Soil |                                  | 2.1   | 9.4   | 228.0 | 67    | 0.5   | 8.8   | 3.7   | 120   | 3.04  | 36.4  | 2.0   | 4.8   | 13.9  | 43    | 0.2   | 0.4   | 8.0   | 28    | 0.08  | 0.033 |
| 11CB0294 | Soil |                                  | 1.4   | 15.8  | 15.6  | 46    | 0.1   | 16.2  | 7.3   | 201   | 2.68  | 9.3   | 1.3   | 1.3   | 6.5   | 30    | <0.1  | 0.4   | 0.3   | 49    | 0.15  | 0.028 |
| 11CB0295 | Soil |                                  | 1.1   | 9.7   | 9.9   | 72    | <0.1  | 15.8  | 8.2   | 163   | 2.45  | 5.3   | 0.3   | <0.5  | 2.4   | 15    | <0.1  | 0.4   | 0.2   | 57    | 0.14  | 0.036 |
| 11CB0296 | Soil |                                  | 1.2   | 15.9  | 8.5   | 60    | 0.1   | 22.1  | 10.6  | 331   | 2.94  | 7.3   | 0.6   | 4.2   | 4.8   | 21    | <0.1  | 0.5   | 0.2   | 60    | 0.17  | 0.023 |
| 11CB0297 | Soil |                                  | 1.0   | 11.6  | 7.7   | 76    | <0.1  | 12.7  | 9.7   | 414   | 3.13  | 4.7   | 1.2   | <0.5  | 7.0   | 19    | <0.1  | 0.3   | 0.2   | 54    | 0.16  | 0.037 |
| 11CB0298 | Soil |                                  | 0.7   | 14.6  | 6.8   | 66    | <0.1  | 27.4  | 13.0  | 174   | 2.44  | 3.3   | 0.6   | <0.5  | 3.4   | 36    | <0.1  | 0.2   | <0.1  | 41    | 0.25  | 0.019 |
| 11CB0299 | Soil |                                  | 0.7   | 23.4  | 8.0   | 63    | <0.1  | 15.4  | 12.8  | 490   | 2.99  | 4.8   | 1.7   | <0.5  | 17.9  | 93    | <0.1  | 0.3   | <0.1  | 46    | 5.57  | 0.073 |
| 11CB0300 | Soil |                                  | 0.7   | 20.2  | 13.0  | 51    | <0.1  | 17.0  | 9.9   | 396   | 2.55  | 5.8   | 1.5   | 6.7   | 24.4  | 19    | 0.1   | 0.4   | 0.3   | 43    | 0.35  | 0.030 |
| 11CB0301 | Soil |                                  | 0.6   | 19.0  | 13.0  | 51    | <0.1  | 16.2  | 9.3   | 383   | 2.45  | 5.3   | 1.5   | 0.6   | 25.6  | 18    | <0.1  | 0.3   | 0.2   | 41    | 0.33  | 0.032 |
| 11CB0302 | Soil |                                  | 1.3   | 27.6  | 9.9   | 57    | 0.1   | 23.1  | 14.1  | 516   | 3.67  | 14.6  | 1.3   | 2.3   | 4.5   | 32    | 0.2   | 0.4   | 0.2   | 60    | 0.98  | 0.043 |
| 11CB0303 | Soil |                                  | 2.0   | 23.4  | 15.3  | 72    | 0.2   | 18.8  | 11.4  | 679   | 3.61  | 21.2  | 2.5   | 15.2  | 10.1  | 79    | 0.2   | 0.4   | 0.2   | 43    | 0.99  | 0.118 |
| 11CB0304 | Soil |                                  | 2.2   | 27.2  | 14.7  | 89    | 0.2   | 14.9  | 14.3  | 412   | 4.82  | 23.0  | 9.8   | 0.6   | 13.8  | 96    | <0.1  | 0.4   | <0.1  | 26    | 0.38  | 0.100 |
| 11CB0305 | Soil |                                  | 2.1   | 33.2  | 42.5  | 88    | 0.1   | 12.7  | 12.2  | 285   | 3.50  | 28.2  | 0.9   | 2.1   | 5.1   | 24    | 0.2   | 0.6   | 1.2   | 62    | 0.14  | 0.034 |
| 11CB0306 | Soil |                                  | 2.5   | 46.5  | 18.8  | 78    | 0.2   | 33.8  | 13.1  | 327   | 3.08  | 22.3  | 1.3   | 3.0   | 8.5   | 24    | 0.2   | 0.5   | 1.5   | 61    | 0.42  | 0.045 |
| 11CB0307 | Soil |                                  | 1.1   | 30.6  | 11.7  | 87    | <0.1  | 22.9  | 20.2  | 546   | 3.81  | 8.5   | 1.0   | <0.5  | 6.6   | 28    | 0.1   | 0.2   | 0.9   | 71    | 0.57  | 0.064 |
| 11CB0308 | Soil |                                  | 1.4   | 37.8  | 21.3  | 70    | 0.2   | 21.6  | 11.3  | 324   | 2.62  | 9.6   | 2.2   | 1.5   | 8.1   | 41    | 0.4   | 0.5   | 0.7   | 51    | 0.89  | 0.053 |
| 11CB0309 | Soil |                                  | 1.1   | 14.7  | 8.1   | 54    | 0.1   | 20.1  | 11.6  | 586   | 2.79  | 7.2   | 0.5   | <0.5  | 3.4   | 24    | <0.1  | 0.4   | 0.1   | 59    | 0.45  | 0.024 |
| 11CB0310 | Soil |                                  | 2.9   | 23.5  | 11.2  | 56    | <0.1  | 10.6  | 6.6   | 326   | 2.66  | 5.0   | 0.8   | <0.5  | 3.4   | 29    | <0.1  | 0.2   | 0.1   | 47    | 0.23  | 0.027 |
| 11CB0311 | Soil |                                  | 1.5   | 16.6  | 6.1   | 67    | <0.1  | 13.1  | 10.5  | 276   | 3.06  | 4.4   | 0.6   | <0.5  | 2.9   | 12    | <0.1  | 0.2   | <0.1  | 65    | 0.23  | 0.048 |
| 11CB0312 | Soil |                                  | 1.8   | 16.2  | 13.8  | 67    | <0.1  | 12.2  | 7.4   | 379   | 2.22  | 4.4   | 0.9   | <0.5  | 4.5   | 20    | 0.2   | 0.3   | <0.1  | 40    | 0.38  | 0.030 |
| 11CB0313 | Soil |                                  | 3.6   | 17.7  | 89.7  | 133   | 0.7   | 11.1  | 6.2   | 170   | 3.00  | 19.5  | 5.2   | 6.7   | 17.8  | 38    | 0.1   | 0.3   | 2.2   | 13    | 0.37  | 0.035 |
| 11CB0314 | Soil |                                  | 4.0   | 25.7  | 187.7 | 145   | 1.3   | 9.3   | 3.8   | 177   | 4.53  | 41.7  | 5.0   | 6.2   | 16.5  | 116   | 0.3   | 0.3   | 8.8   | 26    | 0.22  | 0.063 |
| 11CB0315 | Soil |                                  | 3.0   | 15.5  | 88.3  | 195   | 0.3   | 4.2   | 5.4   | 223   | 3.65  | 38.6  | 3.0   | 5.0   | 20.9  | 65    | 0.2   | 0.2   | 2.8   | 14    | 0.15  | 0.045 |
| 11CB0316 | Soil |                                  | 1.8   | 15.2  | 52.7  | 80    | 0.3   | 7.2   | 5.2   | 259   | 2.87  | 14.6  | 2.5   | 5.5   | 12.1  | 88    | 0.1   | 0.2   | 0.6   | 23    | 0.30  | 0.043 |
| 11CB0317 | Soil |                                  | 1.1   | 14.4  | 10.3  | 178   | 0.1   | 10.8  | 8.9   | 236   | 2.62  | 5.7   | 1.8   | 2.3   | 4.0   | 25    | 0.1   | 0.3   | 0.2   | 31    | 0.29  | 0.047 |
| 11CB0318 | Soil |                                  | 1.1   | 18.3  | 12.5  | 177   | 0.2   | 13.2  | 11.1  | 322   | 3.00  | 6.9   | 2.3   | 1.8   | 4.7   | 29    | 0.2   | 0.3   | 0.2   | 34    | 0.31  | 0.056 |



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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0289 | Soil                             | 19    | 15    | 0.34  | 322   | 0.032 | 1     | 1.18  | 0.016 | 0.13  | <0.1  | 0.01  | 1.7   | <0.1  | 0.06  | 4     | <0.5  | <0.2  |
| 11CB0290 | Soil                             | 25    | 13    | 0.63  | 158   | 0.119 | 1     | 1.55  | 0.022 | 0.21  | <0.1  | <0.01 | 1.9   | 0.2   | 0.10  | 4     | <0.5  | <0.2  |
| 11CB0291 | Soil                             | 11    | 27    | 0.34  | 236   | 0.029 | <1    | 2.32  | 0.008 | 0.07  | 0.2   | 0.02  | 2.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0292 | Soil                             | 15    | 38    | 0.60  | 223   | 0.099 | <1    | 2.10  | 0.020 | 0.10  | 0.2   | 0.01  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0293 | Soil                             | 23    | 16    | 0.22  | 262   | 0.039 | <1    | 0.86  | 0.075 | 0.11  | <0.1  | 0.01  | 1.5   | <0.1  | 0.32  | 3     | 2.3   | 7.4   |
| 11CB0294 | Soil                             | 17    | 27    | 0.46  | 192   | 0.068 | <1    | 1.56  | 0.016 | 0.09  | <0.1  | <0.01 | 2.5   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0295 | Soil                             | 7     | 27    | 0.47  | 332   | 0.049 | <1    | 1.71  | 0.010 | 0.10  | 0.1   | <0.01 | 2.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0296 | Soil                             | 9     | 34    | 0.63  | 225   | 0.107 | 1     | 1.82  | 0.008 | 0.17  | <0.1  | 0.02  | 2.4   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0297 | Soil                             | 8     | 22    | 0.78  | 219   | 0.173 | 1     | 2.03  | 0.010 | 0.62  | 0.2   | <0.01 | 1.7   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0298 | Soil                             | 6     | 40    | 1.03  | 108   | 0.120 | 3     | 1.87  | 0.008 | 0.29  | <0.1  | <0.01 | 1.3   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0299 | Soil                             | 37    | 19    | 0.83  | 283   | 0.162 | 2     | 1.48  | 0.019 | 0.40  | 0.1   | 0.03  | 2.3   | 0.4   | 0.05  | 5     | <0.5  | <0.2  |
| 11CB0300 | Soil                             | 58    | 23    | 0.50  | 185   | 0.069 | 2     | 1.37  | 0.011 | 0.21  | 0.1   | 0.02  | 3.5   | 0.3   | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0301 | Soil                             | 58    | 24    | 0.49  | 181   | 0.067 | 1     | 1.26  | 0.010 | 0.22  | <0.1  | 0.02  | 3.4   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0302 | Soil                             | 19    | 28    | 0.62  | 210   | 0.057 | 2     | 1.78  | 0.015 | 0.23  | 0.2   | 0.02  | 6.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0303 | Soil                             | 20    | 24    | 0.57  | 362   | 0.060 | 3     | 1.11  | 0.019 | 0.16  | 0.2   | 0.03  | 3.3   | 0.1   | <0.05 | 4     | 0.7   | <0.2  |
| 11CB0304 | Soil                             | 36    | 21    | 0.68  | 261   | 0.074 | <1    | 1.64  | 0.124 | 0.20  | 0.1   | 0.02  | 2.5   | 0.2   | 0.39  | 3     | 1.0   | <0.2  |
| 11CB0305 | Soil                             | 11    | 26    | 0.56  | 171   | 0.065 | <1    | 1.92  | 0.012 | 0.17  | 0.1   | <0.01 | 2.5   | 0.2   | 0.07  | 6     | 0.7   | 0.3   |
| 11CB0306 | Soil                             | 23    | 54    | 0.78  | 217   | 0.058 | 1     | 1.69  | 0.013 | 0.09  | 0.1   | 0.02  | 4.6   | 0.1   | <0.05 | 5     | <0.5  | 0.6   |
| 11CB0307 | Soil                             | 12    | 35    | 1.24  | 242   | 0.182 | 1     | 2.35  | 0.013 | 0.64  | 0.2   | <0.01 | 2.8   | 0.3   | <0.05 | 6     | <0.5  | 0.2   |
| 11CB0308 | Soil                             | 30    | 30    | 0.59  | 297   | 0.058 | 2     | 1.57  | 0.013 | 0.12  | 0.2   | 0.04  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0309 | Soil                             | 9     | 31    | 0.65  | 333   | 0.074 | 1     | 1.65  | 0.011 | 0.25  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0310 | Soil                             | 11    | 15    | 0.76  | 209   | 0.082 | 2     | 1.56  | 0.018 | 0.20  | <0.1  | <0.01 | 2.4   | <0.1  | 0.08  | 5     | <0.5  | <0.2  |
| 11CB0311 | Soil                             | 5     | 16    | 0.71  | 261   | 0.162 | <1    | 1.81  | 0.009 | 0.51  | 0.1   | <0.01 | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0312 | Soil                             | 13    | 19    | 0.46  | 445   | 0.052 | 1     | 1.31  | 0.009 | 0.20  | 0.1   | 0.02  | 2.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0313 | Soil                             | 45    | 10    | 0.17  | 288   | 0.008 | 1     | 0.89  | 0.019 | 0.08  | 0.1   | 0.04  | 3.4   | <0.1  | 0.07  | 2     | 1.8   | 0.8   |
| 11CB0314 | Soil                             | 38    | 19    | 0.40  | 199   | 0.065 | <1    | 1.12  | 0.059 | 0.11  | <0.1  | 0.01  | 2.5   | 0.1   | 0.26  | 3     | 4.9   | 2.2   |
| 11CB0315 | Soil                             | 37    | 7     | 0.13  | 154   | 0.028 | <1    | 0.75  | 0.032 | 0.12  | <0.1  | 0.01  | 1.4   | <0.1  | 0.25  | 2     | 2.0   | 3.5   |
| 11CB0316 | Soil                             | 25    | 11    | 0.27  | 183   | 0.051 | <1    | 1.09  | 0.036 | 0.11  | <0.1  | 0.01  | 1.8   | <0.1  | 0.17  | 3     | 1.3   | 1.2   |
| 11CB0317 | Soil                             | 20    | 15    | 0.35  | 249   | 0.034 | <1    | 1.35  | 0.009 | 0.18  | <0.1  | 0.02  | 2.0   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11CB0318 | Soil                             | 23    | 16    | 0.38  | 296   | 0.039 | <1    | 1.65  | 0.010 | 0.19  | <0.1  | 0.03  | 2.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11CB0319 | Soil                             | 0.6              | 29.1             | 5.0              | 80             | <0.1             | 14.1             | 14.9             | 385            | 3.52            | 3.4              | 0.5             | 8.4              | 2.2              | 24             | <0.1             | 0.1              | <0.1             | 69            | 0.56            | 0.112           |
| 11CB0320 | Soil                             | 0.4              | 28.1             | 4.8              | 79             | <0.1             | 13.6             | 15.6             | 386            | 3.51            | 3.2              | 0.5             | 7.3              | 2.1              | 25             | <0.1             | 0.1              | <0.1             | 65            | 0.55            | 0.113           |
| 11CB0321 | Soil                             | 0.5              | 29.2             | 4.3              | 77             | <0.1             | 14.5             | 15.9             | 398            | 3.35            | 3.3              | 0.5             | 7.2              | 2.2              | 25             | <0.1             | 0.1              | <0.1             | 66            | 0.58            | 0.127           |
| 11CB0322 | Soil                             | 0.5              | 31.7             | 6.0              | 58             | <0.1             | 17.8             | 16.4             | 345            | 3.43            | 3.8              | 0.4             | 2.9              | 1.8              | 28             | <0.1             | 0.1              | <0.1             | 81            | 0.57            | 0.106           |
| 11CB0323 | Soil                             | 0.6              | 12.7             | 5.4              | 62             | <0.1             | 10.2             | 10.9             | 494            | 3.43            | 5.0              | 0.6             | 1.4              | 3.1              | 19             | 0.1              | 0.2              | 0.1              | 65            | 0.42            | 0.079           |
| 11CB0324 | Soil                             | 0.6              | 21.3             | 7.8              | 67             | <0.1             | 13.8             | 11.6             | 637            | 3.38            | 8.1              | 1.2             | 2.8              | 5.0              | 28             | <0.1             | 0.3              | 0.1              | 63            | 0.57            | 0.078           |
| 11CB0325 | Soil                             | 1.9              | 17.0             | 15.8             | 52             | 0.2              | 10.3             | 9.1              | 356            | 2.72            | 22.4             | 3.0             | 3.1              | 12.7             | 26             | <0.1             | 0.3              | 0.4              | 30            | 0.35            | 0.040           |
| 11CB0326 | Soil                             | 1.4              | 40.9             | 22.4             | 76             | 0.2              | 11.0             | 10.7             | 658            | 3.62            | 226.6            | 1.7             | 4.5              | 11.9             | 22             | 0.1              | 3.0              | 3.0              | 42            | 0.42            | 0.084           |
| 11CB0327 | Soil                             | 1.7              | 27.4             | 15.8             | 67             | <0.1             | 18.9             | 10.4             | 425            | 3.08            | 9.2              | 1.9             | 3.9              | 13.5             | 23             | <0.1             | 0.4              | 0.8              | 47            | 0.42            | 0.028           |
| 11CB0328 | Soil                             | 1.8              | 12.5             | 10.8             | 66             | <0.1             | 15.6             | 10.1             | 392            | 2.96            | 8.6              | 0.4             | 1.5              | 2.4              | 18             | <0.1             | 0.4              | 0.2              | 54            | 0.19            | 0.035           |
| 11CB0329 | Soil                             | 2.8              | 27.3             | 10.9             | 70             | <0.1             | 24.9             | 9.6              | 510            | 3.08            | 12.4             | 1.3             | 2.6              | 13.3             | 25             | <0.1             | 0.5              | 0.2              | 53            | 0.32            | 0.051           |
| 11CB0330 | Soil                             | 2.6              | 34.2             | 10.5             | 56             | <0.1             | 18.8             | 8.2              | 272            | 2.82            | 9.0              | 1.2             | 2.4              | 10.0             | 32             | <0.1             | 0.4              | 0.1              | 55            | 0.29            | 0.032           |
| 11CB0331 | Soil                             | 3.9              | 17.3             | 35.7             | 77             | 0.4              | 7.4              | 6.5              | 313            | 3.35            | 12.4             | 4.5             | 4.7              | 19.2             | 63             | 0.1              | 0.2              | 0.4              | 19            | 0.28            | 0.057           |
| 11CB0332 | Soil                             | 2.6              | 15.3             | 21.0             | 53             | 0.2              | 8.3              | 5.6              | 199            | 2.78            | 12.8             | 1.8             | 3.6              | 8.0              | 32             | <0.1             | 0.2              | 0.3              | 37            | 0.19            | 0.037           |
| 11CB0333 | Soil                             | 2.2              | 16.4             | 40.1             | 74             | 0.2              | 8.0              | 4.9              | 168            | 2.55            | 15.9             | 2.2             | 8.1              | 7.8              | 36             | <0.1             | 0.3              | 1.0              | 29            | 0.17            | 0.031           |
| 11CB0334 | Soil                             | 3.4              | 14.2             | 48.1             | 69             | 0.2              | 5.9              | 4.1              | 177            | 2.54            | 23.1             | 1.9             | 310.8            | 10.0             | 30             | 0.1              | 0.3              | 0.8              | 27            | 0.12            | 0.047           |
| 11CB0335 | Soil                             | 2.8              | 16.1             | 51.2             | 76             | 0.3              | 8.1              | 5.0              | 212            | 2.70            | 19.4             | 2.4             | 10.6             | 10.5             | 29             | <0.1             | 0.2              | 0.8              | 32            | 0.15            | 0.044           |
| 11CB0336 | Soil                             | 0.6              | 14.4             | 9.4              | 90             | <0.1             | 9.5              | 10.9             | 433            | 3.05            | 4.2              | 1.1             | 2.0              | 14.7             | 18             | <0.1             | 0.2              | 0.1              | 38            | 0.24            | 0.059           |
| 11CB0337 | Soil                             | 1.1              | 21.8             | 16.9             | 74             | <0.1             | 22.5             | 10.9             | 553            | 2.91            | 11.1             | 1.3             | 4.2              | 20.5             | 26             | <0.1             | 0.3              | 0.2              | 48            | 0.48            | 0.036           |
| 11CB0338 | Soil                             | 0.8              | 17.7             | 9.1              | 61             | <0.1             | 15.3             | 8.5              | 250            | 2.69            | 8.1              | 1.1             | 1.4              | 14.6             | 20             | <0.1             | 0.4              | 0.1              | 43            | 0.23            | 0.027           |
| 11CB0339 | Soil                             | 1.6              | 15.7             | 18.7             | 65             | 0.2              | 12.2             | 8.8              | 374            | 2.51            | 9.8              | 1.6             | 18.2             | 8.4              | 29             | <0.1             | 0.4              | 0.2              | 37            | 0.21            | 0.039           |
| 11CB0340 | Soil                             | 1.9              | 14.3             | 20.2             | 80             | 0.2              | 13.1             | 8.7              | 335            | 2.66            | 9.1              | 1.1             | 4.0              | 5.2              | 22             | 0.1              | 0.3              | 0.4              | 47            | 0.18            | 0.041           |
| 11CB0341 | Soil                             | 1.9              | 14.6             | 19.5             | 72             | 0.2              | 13.4             | 7.5              | 277            | 2.48            | 9.3              | 1.0             | 4.3              | 4.9              | 21             | 0.1              | 0.3              | 0.4              | 45            | 0.18            | 0.038           |
| 11CB0342 | Soil                             | 1.0              | 24.3             | 10.7             | 66             | 0.1              | 20.0             | 13.7             | 410            | 3.35            | 8.8              | 0.9             | 1.8              | 7.6              | 24             | <0.1             | 0.5              | 0.2              | 63            | 0.37            | 0.030           |
| 11CB0343 | Soil                             | 1.2              | 10.5             | 7.5              | 59             | <0.1             | 11.4             | 9.8              | 357            | 2.95            | 8.2              | 0.4             | 1.4              | 3.0              | 20             | <0.1             | 0.3              | 0.1              | 53            | 0.35            | 0.025           |
| 11CB0344 | Soil                             | 0.8              | 22.0             | 10.2             | 68             | 0.1              | 25.8             | 13.4             | 395            | 3.08            | 9.4              | 0.5             | 2.8              | 3.6              | 20             | <0.1             | 0.4              | 0.2              | 63            | 0.38            | 0.063           |
| 11CB0345 | Soil                             | 0.9              | 13.3             | 6.5              | 72             | <0.1             | 25.4             | 15.8             | 703            | 3.97            | 5.2              | 0.4             | <0.5             | 3.5              | 34             | <0.1             | 0.3              | 0.2              | 68            | 0.40            | 0.113           |
| 11CB0346 | Soil                             | 0.9              | 56.2             | 9.9              | 61             | 0.1              | 38.9             | 22.1             | 406            | 4.06            | 7.7              | 0.6             | 3.0              | 3.0              | 21             | 0.1              | 0.4              | 0.1              | 86            | 0.37            | 0.085           |
| 11CB0347 | Soil                             | 1.1              | 32.9             | 12.9             | 60             | <0.1             | 24.1             | 10.5             | 356            | 3.05            | 8.1              | 2.8             | 8.7              | 25.4             | 21             | <0.1             | 0.5              | 0.1              | 52            | 0.23            | 0.024           |
| 11CB0348 | Soil                             | 1.8              | 18.0             | 47.0             | 56             | 0.4              | 11.9             | 5.3              | 188            | 2.88            | 18.3             | 0.9             | 3.5              | 10.4             | 19             | 0.1              | 0.3              | 0.7              | 40            | 0.14            | 0.042           |



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Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0319 | Soil                             | 8     | 26    | 1.25  | 234   | 0.157 | <1    | 2.02  | 0.013 | 0.36  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0320 | Soil                             | 8     | 25    | 1.24  | 240   | 0.154 | 1     | 2.05  | 0.013 | 0.37  | <0.1  | 0.02  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0321 | Soil                             | 8     | 27    | 1.26  | 229   | 0.151 | <1    | 1.94  | 0.015 | 0.40  | <0.1  | 0.01  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0322 | Soil                             | 9     | 35    | 1.52  | 419   | 0.180 | <1    | 2.35  | 0.013 | 0.42  | 0.2   | 0.01  | 3.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0323 | Soil                             | 10    | 16    | 0.77  | 307   | 0.140 | <1    | 1.74  | 0.010 | 0.29  | 0.2   | 0.02  | 4.3   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0324 | Soil                             | 20    | 23    | 0.83  | 293   | 0.124 | <1    | 1.86  | 0.014 | 0.30  | 0.1   | 0.02  | 5.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0325 | Soil                             | 30    | 15    | 0.31  | 261   | 0.025 | <1    | 1.16  | 0.012 | 0.11  | <0.1  | 0.03  | 2.9   | <0.1  | <0.05 | 3     | 0.6   | <0.2  |
| 11CB0326 | Soil                             | 27    | 14    | 0.59  | 245   | 0.077 | 1     | 1.58  | 0.010 | 0.37  | <0.1  | 0.03  | 5.8   | 0.4   | <0.05 | 5     | 0.7   | 0.5   |
| 11CB0327 | Soil                             | 27    | 25    | 0.46  | 235   | 0.043 | 1     | 1.53  | 0.014 | 0.23  | 0.2   | 0.02  | 4.1   | 0.1   | <0.05 | 4     | <0.5  | 0.3   |
| 11CB0328 | Soil                             | 7     | 25    | 0.70  | 275   | 0.109 | 1     | 2.06  | 0.009 | 0.29  | 0.1   | 0.02  | 2.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0329 | Soil                             | 21    | 45    | 0.73  | 430   | 0.068 | 1     | 1.87  | 0.009 | 0.20  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0330 | Soil                             | 21    | 33    | 0.56  | 285   | 0.080 | <1    | 1.50  | 0.015 | 0.13  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | 0.3   |
| 11CB0331 | Soil                             | 41    | 10    | 0.26  | 284   | 0.053 | <1    | 1.23  | 0.037 | 0.14  | <0.1  | 0.02  | 2.9   | <0.1  | 0.21  | 3     | 1.3   | 0.8   |
| 11CB0332 | Soil                             | 17    | 15    | 0.40  | 165   | 0.067 | 1     | 1.32  | 0.018 | 0.13  | <0.1  | 0.03  | 2.2   | 0.1   | 0.08  | 4     | <0.5  | 0.5   |
| 11CB0333 | Soil                             | 20    | 13    | 0.32  | 228   | 0.049 | <1    | 1.09  | 0.028 | 0.09  | <0.1  | 0.02  | 2.2   | <0.1  | 0.10  | 3     | 0.9   | 0.5   |
| 11CB0334 | Soil                             | 21    | 11    | 0.24  | 148   | 0.042 | <1    | 1.07  | 0.029 | 0.11  | <0.1  | 0.02  | 1.5   | <0.1  | 0.15  | 3     | 0.8   | 0.5   |
| 11CB0335 | Soil                             | 23    | 16    | 0.33  | 178   | 0.047 | <1    | 1.31  | 0.023 | 0.12  | <0.1  | 0.03  | 2.1   | <0.1  | 0.10  | 4     | 1.3   | 0.5   |
| 11CB0336 | Soil                             | 11    | 15    | 0.70  | 181   | 0.155 | <1    | 1.62  | 0.008 | 0.59  | <0.1  | 0.01  | 1.5   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0337 | Soil                             | 29    | 41    | 0.81  | 189   | 0.081 | 1     | 1.69  | 0.012 | 0.27  | <0.1  | 0.04  | 4.3   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0338 | Soil                             | 24    | 23    | 0.56  | 154   | 0.120 | <1    | 1.52  | 0.010 | 0.29  | 0.1   | 0.01  | 2.3   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0339 | Soil                             | 21    | 23    | 0.49  | 258   | 0.059 | <1    | 1.36  | 0.021 | 0.13  | 0.1   | 0.02  | 2.5   | <0.1  | 0.09  | 4     | <0.5  | <0.2  |
| 11CB0340 | Soil                             | 14    | 23    | 0.42  | 264   | 0.047 | <1    | 1.59  | 0.012 | 0.11  | 0.1   | 0.09  | 2.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0341 | Soil                             | 14    | 23    | 0.42  | 247   | 0.048 | <1    | 1.54  | 0.012 | 0.11  | <0.1  | 0.02  | 2.3   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11CB0342 | Soil                             | 13    | 37    | 0.89  | 205   | 0.134 | <1    | 2.15  | 0.012 | 0.28  | 0.2   | <0.01 | 4.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0343 | Soil                             | 7     | 19    | 0.66  | 272   | 0.138 | <1    | 1.64  | 0.010 | 0.61  | <0.1  | 0.01  | 3.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0344 | Soil                             | 9     | 32    | 0.81  | 230   | 0.145 | 1     | 1.93  | 0.017 | 0.46  | 0.1   | 0.02  | 4.7   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0345 | Soil                             | 13    | 42    | 1.09  | 278   | 0.095 | 1     | 2.11  | 0.013 | 0.35  | <0.1  | <0.01 | 4.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0346 | Soil                             | 10    | 48    | 1.29  | 281   | 0.150 | 1     | 2.97  | 0.015 | 0.22  | 0.1   | 0.03  | 3.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0347 | Soil                             | 108   | 37    | 0.63  | 241   | 0.074 | 1     | 2.47  | 0.010 | 0.13  | 0.1   | 0.04  | 4.9   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0348 | Soil                             | 15    | 21    | 0.28  | 252   | 0.027 | <1    | 1.55  | 0.016 | 0.09  | <0.1  | 0.03  | 2.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |     |    |      |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V   | Ca | P    |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | %  | %    |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1 | 2  | 0.01 |
| 11CB0349 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0350 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0351 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0352 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0353 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0354 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0355 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0356 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0357 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0358 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0359 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0360 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0361 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0362 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0363 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0364 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0365 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11CB0366 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0305 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0306 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0307 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0308 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0309 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0310 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0311 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0312 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0313 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0314 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0315 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0316 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |



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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0349 | Soil                             | 12    | 17    | 0.33  | 154   | 0.036 | 1     | 1.62  | 0.012 | 0.11  | <0.1  | 0.03  | 1.6   | <0.1  | 0.11  | 5     | 0.9   | 0.3   |
| 11CB0350 | Soil                             | 31    | 22    | 0.48  | 183   | 0.069 | 1     | 1.77  | 0.086 | 0.20  | <0.1  | 0.02  | 2.9   | 0.1   | 0.46  | 5     | 2.1   | 0.6   |
| 11CB0351 | Soil                             | 14    | 46    | 0.91  | 185   | 0.121 | <1    | 1.71  | 0.014 | 0.47  | <0.1  | 0.02  | 3.9   | 0.3   | 0.11  | 6     | <0.5  | <0.2  |
| 11CB0352 | Soil                             | 5     | 23    | 0.97  | 181   | 0.167 | <1    | 2.71  | 0.018 | 0.47  | 0.1   | 0.01  | 5.0   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0353 | Soil                             | 11    | 23    | 0.34  | 142   | 0.073 | <1    | 1.50  | 0.011 | 0.08  | <0.1  | 0.02  | 2.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0354 | Soil                             | 65    | 21    | 0.27  | 365   | 0.030 | 1     | 1.32  | 0.143 | 0.12  | <0.1  | <0.01 | 2.1   | <0.1  | 0.51  | 4     | 1.6   | 0.4   |
| 11CB0355 | Soil                             | 12    | 31    | 0.39  | 154   | 0.060 | 2     | 1.66  | 0.057 | 0.08  | <0.1  | <0.01 | 2.3   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11CB0356 | Soil                             | 18    | 24    | 0.35  | 150   | 0.036 | 1     | 1.53  | 0.033 | 0.08  | 0.1   | <0.01 | 1.9   | <0.1  | 0.15  | 4     | 0.7   | <0.2  |
| 11CB0357 | Soil                             | 7     | 59    | 2.37  | 289   | 0.197 | 1     | 2.79  | 0.023 | 0.71  | <0.1  | <0.01 | 5.5   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11CB0358 | Soil                             | 9     | 22    | 0.73  | 295   | 0.165 | <1    | 1.96  | 0.009 | 0.48  | <0.1  | 0.01  | 6.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0359 | Soil                             | 6     | 23    | 0.76  | 283   | 0.163 | 1     | 1.69  | 0.010 | 0.48  | 0.1   | <0.01 | 3.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0360 | Soil                             | 13    | 22    | 0.96  | 360   | 0.179 | 1     | 1.81  | 0.018 | 0.65  | 0.1   | 0.03  | 5.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0361 | Soil                             | 13    | 20    | 0.96  | 365   | 0.174 | 2     | 1.75  | 0.019 | 0.62  | <0.1  | 0.04  | 5.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0362 | Soil                             | 14    | 26    | 0.43  | 145   | 0.054 | <1    | 1.63  | 0.012 | 0.07  | <0.1  | 0.02  | 3.3   | <0.1  | 0.06  | 4     | <0.5  | <0.2  |
| 11CB0363 | Soil                             | 23    | 11    | 0.16  | 154   | 0.029 | <1    | 1.05  | 0.052 | 0.12  | <0.1  | 0.02  | 1.8   | <0.1  | 0.29  | 3     | 1.5   | 0.3   |
| 11CB0364 | Soil                             | 19    | 21    | 0.39  | 307   | 0.045 | <1    | 1.37  | 0.016 | 0.16  | <0.1  | 0.02  | 2.2   | <0.1  | 0.08  | 5     | <0.5  | 0.3   |
| 11CB0365 | Soil                             | 11    | 48    | 0.66  | 246   | 0.067 | <1    | 1.79  | 0.012 | 0.14  | <0.1  | 0.02  | 3.7   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11CB0366 | Soil                             | 22    | 59    | 0.66  | 118   | 0.045 | <1    | 2.53  | 0.008 | 0.04  | <0.1  | 0.01  | 4.6   | <0.1  | <0.05 | 7     | 0.8   | <0.2  |
| 11TB0305 | Soil                             | 22    | 10    | 0.25  | 506   | 0.018 | <1    | 0.94  | 0.010 | 0.19  | <0.1  | 0.02  | 1.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0306 | Soil                             | 38    | 9     | 0.36  | 269   | 0.025 | <1    | 0.95  | 0.009 | 0.14  | <0.1  | 0.02  | 2.1   | <0.1  | <0.05 | 3     | 1.1   | 0.8   |
| 11TB0307 | Soil                             | 21    | 18    | 0.53  | 193   | 0.083 | 1     | 1.35  | 0.014 | 0.13  | <0.1  | 0.04  | 2.5   | 0.1   | 0.07  | 5     | 0.7   | <0.2  |
| 11TB0308 | Soil                             | 35    | 22    | 0.58  | 246   | 0.080 | <1    | 1.40  | 0.014 | 0.17  | 0.1   | 0.03  | 3.3   | 0.1   | <0.05 | 4     | 0.6   | <0.2  |
| 11TB0309 | Soil                             | 10    | 64    | 1.47  | 294   | 0.126 | <1    | 2.16  | 0.020 | 0.24  | <0.1  | 0.01  | 6.4   | <0.1  | <0.05 | 8     | 0.6   | <0.2  |
| 11TB0310 | Soil                             | 9     | 21    | 0.87  | 248   | 0.137 | <1    | 2.09  | 0.011 | 0.32  | 0.1   | <0.01 | 5.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0311 | Soil                             | 38    | 14    | 0.46  | 222   | 0.043 | <1    | 1.32  | 0.021 | 0.11  | <0.1  | 0.01  | 2.2   | <0.1  | 0.07  | 4     | <0.5  | <0.2  |
| 11TB0312 | Soil                             | 9     | 24    | 1.47  | 348   | 0.176 | <1    | 2.13  | 0.017 | 0.55  | <0.1  | <0.01 | 6.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0313 | Soil                             | 17    | 21    | 0.44  | 273   | 0.049 | 1     | 1.25  | 0.016 | 0.07  | 0.1   | 0.05  | 2.7   | <0.1  | <0.05 | 4     | 0.7   | <0.2  |
| 11TB0314 | Soil                             | 25    | 18    | 0.35  | 245   | 0.042 | 2     | 1.07  | 0.016 | 0.08  | <0.1  | 0.04  | 2.8   | <0.1  | 0.07  | 3     | <0.5  | <0.2  |
| 11TB0315 | Soil                             | 30    | 15    | 0.17  | 163   | 0.022 | <1    | 1.02  | 0.019 | 0.06  | <0.1  | 0.06  | 2.4   | <0.1  | 0.13  | 3     | 1.5   | 0.4   |
| 11TB0316 | Soil                             | 22    | 15    | 0.27  | 158   | 0.030 | <1    | 1.15  | 0.026 | 0.08  | <0.1  | 0.03  | 1.9   | 0.1   | 0.12  | 4     | 0.9   | 0.4   |



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Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11TB0317 | Soil                             | 1.6   | 18.2  | 41.7  | 59    | 0.4   | 7.1   | 3.7   | 113   | 1.62  | 10.4  | 3.5   | 5.6   | 5.3   | 31    | 0.2   | 0.2   | 1.1   | 20    | 0.23  | 0.039 |
| 11TB0318 | Soil                             | 2.2   | 22.5  | 34.4  | 109   | 0.2   | 66.2  | 13.4  | 297   | 3.30  | 13.6  | 2.8   | 2.9   | 11.1  | 33    | 0.3   | 0.3   | 0.4   | 50    | 0.57  | 0.100 |
| 11TB0319 | Soil                             | 1.1   | 8.1   | 17.0  | 41    | 0.1   | 6.9   | 3.8   | 128   | 1.79  | 5.3   | 1.3   | 2.8   | 3.6   | 18    | <0.1  | 0.2   | 0.2   | 21    | 0.31  | 0.051 |
| 11TB0320 | Soil                             | 1.3   | 13.1  | 8.5   | 70    | 0.2   | 8.4   | 10.4  | 577   | 2.59  | 4.3   | 2.1   | 5.2   | 4.2   | 34    | 0.1   | 0.3   | <0.1  | 34    | 0.70  | 0.055 |
| 11TB0321 | Soil                             | 1.4   | 13.4  | 11.1  | 62    | 0.2   | 10.3  | 8.5   | 297   | 2.41  | 6.6   | 1.9   | 13.9  | 6.7   | 28    | 0.1   | 0.3   | <0.1  | 30    | 0.63  | 0.056 |
| 11TB0322 | Soil                             | 1.1   | 26.9  | 10.3  | 59    | 0.2   | 15.1  | 12.6  | 280   | 2.82  | 11.1  | 0.9   | 22.6  | 6.8   | 20    | <0.1  | 0.4   | 0.1   | 64    | 0.40  | 0.056 |
| 11TB0323 | Soil                             | 0.8   | 24.4  | 6.0   | 60    | 0.3   | 18.3  | 12.8  | 569   | 2.82  | 4.7   | 1.4   | 3.6   | 2.9   | 44    | 0.1   | 0.2   | 0.1   | 59    | 1.06  | 0.080 |
| 11TB0324 | Soil                             | 1.0   | 23.8  | 6.8   | 93    | <0.1  | 18.3  | 12.0  | 573   | 2.87  | 5.4   | 0.8   | 3.7   | 4.7   | 19    | <0.1  | 0.3   | 0.1   | 59    | 0.36  | 0.064 |
| 11TB0325 | Soil                             | 1.4   | 17.5  | 13.0  | 99    | <0.1  | 11.4  | 12.8  | 1550  | 3.32  | 4.5   | 0.5   | <0.5  | 2.5   | 19    | <0.1  | 0.3   | 0.1   | 67    | 0.42  | 0.079 |
| 11TB0326 | Soil                             | 1.2   | 14.5  | 5.5   | 74    | 0.2   | 12.3  | 13.1  | 1374  | 3.74  | 3.3   | 0.4   | 1.1   | 1.9   | 23    | <0.1  | 0.2   | <0.1  | 83    | 0.42  | 0.042 |
| 11TB0327 | Soil                             | 1.5   | 13.4  | 12.0  | 36    | 0.1   | 8.5   | 5.2   | 504   | 1.76  | 7.4   | 1.4   | <0.5  | 12.8  | 20    | <0.1  | 0.2   | 0.1   | 29    | 0.28  | 0.036 |
| 11TB0328 | Soil                             | 2.0   | 14.3  | 12.6  | 53    | 0.1   | 12.5  | 10.0  | 366   | 3.14  | 14.8  | 1.3   | 0.6   | 7.4   | 23    | 0.2   | 0.3   | 0.2   | 60    | 0.27  | 0.040 |
| 11TB0329 | Soil                             | 2.0   | 18.9  | 113.6 | 144   | 0.2   | 8.4   | 5.7   | 228   | 2.41  | 25.9  | 2.1   | 2.3   | 10.4  | 13    | 0.2   | 0.3   | 3.5   | 23    | 0.14  | 0.019 |
| 11TB0330 | Soil                             | 1.5   | 14.9  | 10.5  | 58    | 0.1   | 19.1  | 11.1  | 426   | 2.83  | 7.6   | 0.7   | 0.7   | 5.5   | 21    | <0.1  | 0.4   | 0.3   | 61    | 0.26  | 0.018 |
| 11TB0331 | Soil                             | 0.9   | 8.5   | 11.2  | 61    | <0.1  | 10.5  | 7.0   | 359   | 2.69  | 3.8   | 0.5   | <0.5  | 2.3   | 12    | <0.1  | 0.2   | <0.1  | 57    | 0.28  | 0.078 |
| 11TB0332 | Soil                             | 2.5   | 23.3  | 10.9  | 105   | <0.1  | 47.0  | 14.1  | 315   | 3.79  | 9.3   | 1.2   | <0.5  | 11.8  | 22    | <0.1  | 0.3   | 0.2   | 67    | 0.43  | 0.089 |
| 11TB0333 | Soil                             | 3.3   | 23.6  | 9.9   | 52    | <0.1  | 29.4  | 9.1   | 264   | 2.72  | 9.6   | 1.1   | 1.5   | 6.4   | 25    | <0.1  | 0.4   | 0.1   | 48    | 0.33  | 0.051 |
| 11TB0334 | Soil                             | 1.9   | 15.9  | 13.7  | 54    | <0.1  | 12.2  | 8.1   | 304   | 2.50  | 6.8   | 2.0   | 1.3   | 10.1  | 21    | <0.1  | 0.3   | 0.2   | 29    | 0.23  | 0.022 |
| 11TB0335 | Soil                             | 2.3   | 23.6  | 22.1  | 47    | 0.1   | 18.8  | 8.2   | 328   | 2.36  | 8.1   | 1.3   | 3.8   | 9.2   | 28    | <0.1  | 0.3   | 0.6   | 40    | 0.32  | 0.028 |
| 11TB0336 | Soil                             | 2.8   | 17.0  | 15.3  | 38    | 0.1   | 12.0  | 5.1   | 158   | 2.29  | 10.6  | 1.0   | 7.2   | 6.8   | 30    | <0.1  | 0.4   | 0.7   | 40    | 0.21  | 0.020 |
| 11TB0337 | Soil                             | 3.0   | 22.7  | 28.8  | 58    | 0.3   | 14.2  | 8.0   | 245   | 2.75  | 12.5  | 2.3   | 6.4   | 9.2   | 32    | 0.1   | 0.3   | 0.7   | 38    | 0.28  | 0.045 |
| 11TB0338 | Soil                             | 9.9   | 55.4  | 39.0  | 125   | 0.1   | 14.3  | 19.9  | 759   | 3.53  | 17.2  | 3.9   | 10.0  | 19.2  | 20    | 0.3   | 1.0   | 0.6   | 10    | 0.17  | 0.037 |
| 11TB0339 | Soil                             | 1.5   | 18.5  | 16.1  | 104   | <0.1  | 9.8   | 8.2   | 341   | 2.58  | 4.9   | 2.0   | 1.6   | 10.3  | 14    | <0.1  | 0.3   | 0.2   | 31    | 0.18  | 0.022 |
| 11TB0340 | Soil                             | 2.4   | 23.1  | 21.8  | 77    | <0.1  | 12.8  | 14.2  | 614   | 2.93  | 6.8   | 3.7   | 15.2  | 15.8  | 20    | <0.1  | 0.7   | 0.3   | 20    | 0.18  | 0.033 |
| 11TB0341 | Soil                             | 2.3   | 23.7  | 21.3  | 71    | 0.1   | 13.5  | 14.7  | 660   | 2.94  | 6.3   | 3.7   | 18.3  | 15.4  | 21    | <0.1  | 0.6   | 0.2   | 22    | 0.19  | 0.034 |
| 11TB0342 | Soil                             | 4.2   | 18.2  | 11.5  | 37    | <0.1  | 18.3  | 6.8   | 187   | 2.71  | 14.3  | 1.7   | 2.8   | 8.2   | 33    | <0.1  | 0.3   | 0.1   | 43    | 0.32  | 0.037 |
| 11TB0343 | Soil                             | 2.0   | 24.2  | 11.9  | 69    | <0.1  | 17.0  | 10.3  | 414   | 3.23  | 15.3  | 0.6   | 1.3   | 3.6   | 24    | <0.1  | 0.3   | <0.1  | 69    | 0.46  | 0.055 |
| 11TB0344 | Soil                             | 1.0   | 17.9  | 8.7   | 56    | <0.1  | 27.9  | 11.5  | 208   | 2.80  | 8.6   | 0.8   | 3.1   | 7.0   | 23    | <0.1  | 0.4   | 0.1   | 60    | 0.31  | 0.052 |
| 11TB0345 | Soil                             | 2.5   | 18.4  | 10.7  | 52    | <0.1  | 15.3  | 10.2  | 345   | 2.74  | 10.4  | 1.0   | 1.2   | 6.0   | 28    | <0.1  | 0.3   | 0.1   | 54    | 0.39  | 0.044 |
| 11TB0346 | Soil                             | 2.2   | 21.6  | 10.9  | 48    | <0.1  | 18.3  | 8.3   | 252   | 2.48  | 10.5  | 1.6   | 8.3   | 7.2   | 27    | 0.1   | 0.3   | 0.1   | 47    | 0.34  | 0.038 |





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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 11TB0317 | Soil                             | 24    | 14    | 0.27  | 184   | 0.035 | 1     | 1.08  | 0.016 | 0.07  | <0.1  | 0.03  | 2.0   | 0.1   | 0.10  | 4     | 1.7   |
| 11TB0318 | Soil                             | 35    | 92    | 1.12  | 214   | 0.046 | 1     | 1.78  | 0.021 | 0.07  | 0.1   | 0.02  | 5.1   | <0.1  | 0.05  | 5     | 1.1   |
| 11TB0319 | Soil                             | 13    | 13    | 0.35  | 121   | 0.055 | <1    | 1.03  | 0.012 | 0.08  | 0.1   | 0.02  | 1.5   | <0.1  | 0.09  | 4     | 0.6   |
| 11TB0320 | Soil                             | 15    | 17    | 0.69  | 189   | 0.111 | 1     | 1.52  | 0.013 | 0.34  | 0.1   | 0.05  | 2.1   | 0.2   | 0.08  | 5     | 0.6   |
| 11TB0321 | Soil                             | 22    | 17    | 0.57  | 239   | 0.086 | 1     | 1.50  | 0.012 | 0.25  | <0.1  | 0.02  | 2.2   | 0.2   | <0.05 | 5     | 0.9   |
| 11TB0322 | Soil                             | 19    | 26    | 0.82  | 202   | 0.108 | 1     | 1.65  | 0.013 | 0.13  | 0.1   | 0.03  | 3.5   | <0.1  | <0.05 | 5     | <0.5  |
| 11TB0323 | Soil                             | 24    | 31    | 0.78  | 351   | 0.094 | 2     | 1.62  | 0.014 | 0.16  | 0.1   | 0.07  | 5.4   | <0.1  | <0.05 | 5     | <0.5  |
| 11TB0324 | Soil                             | 25    | 28    | 0.78  | 336   | 0.088 | 1     | 1.82  | 0.011 | 0.11  | <0.1  | 0.03  | 6.0   | <0.1  | <0.05 | 6     | <0.5  |
| 11TB0325 | Soil                             | 8     | 20    | 0.78  | 359   | 0.111 | <1    | 1.70  | 0.014 | 0.36  | 0.2   | 0.01  | 5.9   | 0.1   | <0.05 | 8     | 0.6   |
| 11TB0326 | Soil                             | 6     | 23    | 0.95  | 464   | 0.188 | 2     | 1.99  | 0.012 | 0.64  | 0.1   | 0.01  | 3.4   | 0.2   | <0.05 | 7     | <0.5  |
| 11TB0327 | Soil                             | 28    | 14    | 0.20  | 227   | 0.022 | 1     | 0.89  | 0.006 | 0.15  | 0.1   | 0.01  | 1.2   | <0.1  | <0.05 | 3     | <0.5  |
| 11TB0328 | Soil                             | 14    | 20    | 0.45  | 191   | 0.048 | 2     | 1.55  | 0.029 | 0.15  | <0.1  | 0.01  | 3.2   | 0.1   | 0.08  | 5     | <0.5  |
| 11TB0329 | Soil                             | 16    | 14    | 0.20  | 89    | 0.018 | 1     | 0.79  | 0.008 | 0.12  | <0.1  | 0.02  | 2.4   | 0.1   | <0.05 | 2     | 0.6   |
| 11TB0330 | Soil                             | 9     | 35    | 0.59  | 198   | 0.091 | 2     | 1.59  | 0.011 | 0.26  | 0.1   | 0.02  | 2.5   | 0.1   | <0.05 | 5     | <0.5  |
| 11TB0331 | Soil                             | 7     | 18    | 0.65  | 317   | 0.120 | 1     | 1.59  | 0.007 | 0.61  | <0.1  | <0.01 | 2.7   | 0.3   | <0.05 | 6     | <0.5  |
| 11TB0332 | Soil                             | 14    | 77    | 1.16  | 159   | 0.103 | 1     | 2.25  | 0.012 | 0.26  | 0.2   | <0.01 | 3.7   | 0.1   | <0.05 | 8     | <0.5  |
| 11TB0333 | Soil                             | 21    | 36    | 0.61  | 336   | 0.055 | 1     | 1.48  | 0.016 | 0.09  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 4     | <0.5  |
| 11TB0334 | Soil                             | 14    | 17    | 0.37  | 270   | 0.026 | <1    | 1.40  | 0.011 | 0.09  | <0.1  | <0.01 | 2.0   | <0.1  | <0.05 | 4     | 0.5   |
| 11TB0335 | Soil                             | 21    | 28    | 0.40  | 315   | 0.051 | 1     | 1.34  | 0.017 | 0.08  | 0.1   | 0.02  | 3.5   | <0.1  | <0.05 | 4     | <0.5  |
| 11TB0336 | Soil                             | 18    | 21    | 0.34  | 210   | 0.048 | <1    | 1.17  | 0.022 | 0.07  | <0.1  | <0.01 | 2.2   | <0.1  | <0.05 | 4     | 0.9   |
| 11TB0337 | Soil                             | 23    | 23    | 0.39  | 259   | 0.055 | <1    | 1.34  | 0.017 | 0.09  | <0.1  | 0.05  | 2.9   | <0.1  | <0.05 | 4     | <0.5  |
| 11TB0338 | Soil                             | 35    | 8     | 0.09  | 298   | 0.005 | 1     | 1.02  | 0.008 | 0.09  | 0.2   | <0.01 | 3.7   | 0.2   | <0.05 | 2     | 1.1   |
| 11TB0339 | Soil                             | 19    | 16    | 0.45  | 158   | 0.086 | <1    | 1.52  | 0.008 | 0.21  | <0.1  | 0.01  | 2.0   | 0.3   | <0.05 | 4     | 0.7   |
| 11TB0340 | Soil                             | 40    | 12    | 0.23  | 269   | 0.017 | <1    | 1.17  | 0.008 | 0.12  | <0.1  | 0.02  | 3.4   | <0.1  | <0.05 | 3     | <0.5  |
| 11TB0341 | Soil                             | 40    | 14    | 0.26  | 271   | 0.023 | 1     | 1.23  | 0.011 | 0.12  | <0.1  | 0.03  | 3.6   | <0.1  | <0.05 | 3     | 0.8   |
| 11TB0342 | Soil                             | 22    | 29    | 0.39  | 278   | 0.045 | 1     | 1.47  | 0.032 | 0.10  | <0.1  | 0.01  | 2.9   | <0.1  | 0.05  | 4     | 0.6   |
| 11TB0343 | Soil                             | 17    | 24    | 0.84  | 271   | 0.098 | <1    | 2.00  | 0.017 | 0.08  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 6     | <0.5  |
| 11TB0344 | Soil                             | 16    | 46    | 0.70  | 214   | 0.097 | 2     | 1.90  | 0.012 | 0.14  | 0.2   | <0.01 | 3.2   | 0.1   | <0.05 | 5     | <0.5  |
| 11TB0345 | Soil                             | 18    | 25    | 0.56  | 361   | 0.071 | <1    | 1.65  | 0.016 | 0.12  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 5     | <0.5  |
| 11TB0346 | Soil                             | 18    | 28    | 0.48  | 259   | 0.066 | 1     | 1.57  | 0.016 | 0.10  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 5     | 0.5   |



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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11TB0347 | Soil                             | 3.0        | 16.8       | 35.6       | 27       | 0.4        | 10.1       | 2.6        | 58       | 3.28      | 38.2       | 1.1        | 7.1        | 23.8       | 32       | <0.1       | 0.6        | 0.9        | 17       | 0.11      | 0.038      |
| 11TB0348 | Soil                             | 2.9        | 12.9       | 25.0       | 60       | 0.2        | 15.2       | 8.5        | 262      | 2.87      | 16.3       | 1.6        | 0.9        | 10.9       | 26       | 0.1        | 0.2        | 1.2        | 41       | 0.23      | 0.025      |
| 11TB0349 | Soil                             | 1.4        | 15.3       | 6.8        | 73       | 0.1        | 16.8       | 13.6       | 651      | 3.90      | 5.0        | 0.3        | <0.5       | 2.2        | 18       | 0.1        | 0.3        | <0.1       | 84       | 0.33      | 0.033      |
| 11TB0350 | Soil                             | 1.3        | 11.5       | 9.1        | 46       | 0.1        | 13.7       | 7.0        | 274      | 2.39      | 6.7        | 0.4        | 0.9        | 2.1        | 17       | 0.1        | 0.3        | 0.1        | 61       | 0.22      | 0.038      |
| 11TB0351 | Soil                             | 0.5        | 36.1       | 4.4        | 73       | <0.1       | 12.7       | 18.1       | 861      | 3.47      | 2.5        | 0.3        | <0.5       | 1.3        | 24       | <0.1       | 0.2        | <0.1       | 87       | 0.72      | 0.171      |
| 11TB0352 | Soil                             | 2.7        | 17.5       | 127.0      | 98       | 0.6        | 12.6       | 4.9        | 207      | 3.12      | 21.5       | 1.4        | 11.2       | 7.0        | 27       | 0.2        | 0.3        | 5.7        | 41       | 0.15      | 0.036      |
| 11TB0353 | Soil                             | 1.6        | 13.9       | 14.5       | 53       | 0.2        | 12.8       | 9.2        | 242      | 3.14      | 8.5        | 1.4        | 18.8       | 5.0        | 24       | 0.1        | 0.4        | 0.2        | 45       | 0.15      | 0.047      |
| 11TB0354 | Soil                             | 2.5        | 17.7       | 30.4       | 63       | 0.2        | 11.4       | 6.6        | 181      | 2.56      | 7.8        | 4.1        | 3.6        | 9.3        | 34       | 0.2        | 0.2        | 0.3        | 25       | 0.18      | 0.050      |
| 11TB0355 | Soil                             | 1.6        | 12.2       | 23.3       | 83       | 0.4        | 11.1       | 5.7        | 220      | 2.33      | 9.4        | 2.4        | 6.8        | 6.1        | 38       | <0.1       | 0.3        | 0.2        | 36       | 0.48      | 0.047      |
| 11TB0356 | Soil                             | 1.8        | 11.6       | 8.3        | 47       | 0.1        | 12.5       | 6.7        | 234      | 2.05      | 18.1       | 1.0        | 1.7        | 4.5        | 23       | <0.1       | 0.2        | 0.1        | 43       | 0.31      | 0.046      |
| 11TB0357 | Soil                             | 2.0        | 15.6       | 22.0       | 150      | 0.2        | 7.5        | 6.8        | 568      | 3.50      | 4.5        | 1.5        | 0.7        | 7.3        | 38       | <0.1       | 0.3        | 0.2        | 52       | 0.21      | 0.060      |
| 11TB0358 | Soil                             | 1.6        | 19.8       | 14.6       | 41       | <0.1       | 15.2       | 6.1        | 169      | 2.81      | 6.8        | 1.7        | 4.9        | 8.4        | 27       | <0.1       | 0.4        | 0.1        | 37       | 0.12      | 0.031      |
| 11TB0359 | Soil                             | 6.5        | 30.4       | 128.1      | 125      | 0.3        | 7.4        | 4.1        | 166      | 2.62      | 42.0       | 1.6        | 6.2        | 9.3        | 21       | 0.1        | 0.3        | 0.8        | 18       | 0.07      | 0.034      |
| 11TB0360 | Soil                             | 2.3        | 9.9        | 25.5       | 32       | 0.2        | 10.5       | 4.3        | 120      | 2.35      | 8.8        | 0.6        | 2.2        | 4.2        | 14       | 0.1        | 0.4        | 0.3        | 45       | 0.12      | 0.033      |
| 11TB0361 | Soil                             | 2.0        | 10.8       | 24.6       | 37       | 0.2        | 12.2       | 5.0        | 136      | 2.43      | 8.7        | 0.5        | 1.9        | 4.1        | 15       | 0.1        | 0.4        | 0.4        | 50       | 0.13      | 0.031      |
| 11TB0362 | Soil                             | 1.2        | 13.4       | 11.7       | 50       | <0.1       | 17.0       | 7.2        | 182      | 2.77      | 8.7        | 0.6        | 1.0        | 5.4        | 15       | 0.1        | 0.5        | 0.2        | 53       | 0.14      | 0.035      |
| 11TB0363 | Soil                             | 1.3        | 12.0       | 8.2        | 58       | 0.2        | 16.9       | 13.1       | 1209     | 3.19      | 3.4        | 0.4        | <0.5       | 2.2        | 20       | 0.1        | 0.4        | 0.1        | 57       | 0.30      | 0.035      |
| 11TB0364 | Soil                             | 0.9        | 28.0       | 6.7        | 58       | <0.1       | 34.5       | 13.7       | 451      | 2.59      | 5.0        | 0.4        | 4.8        | 2.8        | 24       | <0.1       | 0.3        | 0.1        | 51       | 0.41      | 0.046      |
| 11TB0365 | Soil                             | 0.8        | 12.9       | 6.7        | 95       | <0.1       | 13.2       | 13.1       | 864      | 2.92      | 2.8        | 0.2        | <0.5       | 2.3        | 21       | 0.1        | 0.4        | 0.1        | 55       | 0.35      | 0.047      |
| 11TB0366 | Soil                             | 1.1        | 10.8       | 6.9        | 65       | <0.1       | 13.7       | 11.3       | 409      | 3.36      | 4.5        | 0.3        | <0.5       | 1.9        | 15       | <0.1       | 0.3        | <0.1       | 58       | 0.23      | 0.021      |
| 11TB0367 | Soil                             | 1.3        | 19.3       | 7.1        | 59       | <0.1       | 13.2       | 10.5       | 499      | 3.04      | 4.0        | 0.7        | <0.5       | 3.3        | 36       | <0.1       | 0.2        | 0.1        | 42       | 0.30      | 0.066      |
| 11TB0368 | Soil                             | 1.8        | 16.9       | 14.8       | 65       | 0.2        | 16.4       | 9.0        | 472      | 2.66      | 6.6        | 1.2        | 3.9        | 6.3        | 22       | 0.3        | 0.3        | 0.2        | 47       | 0.34      | 0.050      |
| 11TB0369 | Soil                             | 3.2        | 19.1       | 25.8       | 60       | 0.4        | 16.7       | 9.3        | 436      | 3.36      | 15.0       | 1.3        | 3.8        | 8.4        | 24       | <0.1       | 0.4        | 0.4        | 47       | 0.13      | 0.037      |
| 11TB0370 | Soil                             | 2.2        | 15.3       | 28.6       | 63       | 0.2        | 10.4       | 4.8        | 206      | 3.15      | 15.5       | 2.4        | 1.4        | 12.0       | 44       | <0.1       | 0.3        | 0.5        | 38       | 0.17      | 0.040      |
| 11TB0371 | Soil                             | 2.6        | 38.6       | 19.7       | 24       | 0.2        | 8.3        | 2.4        | 113      | 2.48      | 4.9        | 3.7        | 4.2        | 11.4       | 55       | <0.1       | 0.2        | 0.2        | 25       | 0.11      | 0.046      |



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Project: Mariposa  
Report Date: July 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000588.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0347 | Soil                             | 38    | 14    | 0.13  | 164   | 0.011 | <1    | 0.68  | 0.092 | 0.12  | <0.1  | 0.02  | 1.6   | 0.1   | 0.38  | 2     | 1.6   | 3.9   |
| 11TB0348 | Soil                             | 21    | 25    | 0.43  | 163   | 0.060 | <1    | 1.36  | 0.024 | 0.32  | <0.1  | <0.01 | 2.7   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0349 | Soil                             | 5     | 30    | 1.06  | 353   | 0.227 | <1    | 2.23  | 0.011 | 0.90  | 0.1   | 0.01  | 3.4   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0350 | Soil                             | 9     | 28    | 0.40  | 161   | 0.069 | 1     | 1.46  | 0.011 | 0.06  | 0.2   | <0.01 | 2.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0351 | Soil                             | 5     | 18    | 1.37  | 337   | 0.179 | <1    | 2.18  | 0.013 | 0.48  | 0.1   | <0.01 | 2.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0352 | Soil                             | 18    | 23    | 0.44  | 133   | 0.066 | <1    | 1.41  | 0.027 | 0.09  | <0.1  | 0.01  | 1.9   | 0.1   | <0.05 | 5     | 0.7   | 3.9   |
| 11TB0353 | Soil                             | 14    | 23    | 0.47  | 178   | 0.036 | <1    | 1.76  | 0.017 | 0.11  | <0.1  | 0.02  | 2.0   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0354 | Soil                             | 29    | 15    | 0.25  | 156   | 0.021 | <1    | 1.09  | 0.025 | 0.10  | <0.1  | 0.02  | 2.0   | <0.1  | <0.05 | 3     | 1.0   | 0.3   |
| 11TB0355 | Soil                             | 20    | 19    | 0.40  | 168   | 0.050 | <1    | 1.46  | 0.021 | 0.07  | <0.1  | 0.04  | 3.2   | 0.1   | <0.05 | 4     | 1.3   | <0.2  |
| 11TB0356 | Soil                             | 14    | 22    | 0.47  | 201   | 0.073 | 1     | 1.24  | 0.010 | 0.08  | 0.1   | 0.03  | 2.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0357 | Soil                             | 19    | 15    | 0.97  | 280   | 0.115 | <1    | 2.02  | 0.011 | 0.41  | <0.1  | <0.01 | 3.3   | 0.4   | <0.05 | 7     | <0.5  | 0.6   |
| 11TB0358 | Soil                             | 18    | 25    | 0.38  | 150   | 0.035 | <1    | 1.80  | 0.020 | 0.06  | <0.1  | 0.01  | 2.4   | 0.1   | <0.05 | 5     | 0.5   | <0.2  |
| 11TB0359 | Soil                             | 31    | 13    | 0.16  | 258   | 0.016 | <1    | 0.84  | 0.032 | 0.10  | <0.1  | 0.02  | 1.2   | <0.1  | 0.14  | 3     | 2.7   | 2.4   |
| 11TB0360 | Soil                             | 9     | 22    | 0.26  | 126   | 0.041 | <1    | 1.47  | 0.007 | 0.07  | 0.1   | 0.02  | 1.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0361 | Soil                             | 9     | 24    | 0.28  | 144   | 0.048 | <1    | 1.56  | 0.008 | 0.07  | 0.1   | 0.03  | 1.7   | 0.1   | <0.05 | 6     | <0.5  | 0.2   |
| 11TB0362 | Soil                             | 11    | 30    | 0.41  | 154   | 0.057 | 1     | 1.67  | 0.007 | 0.08  | 0.1   | 0.02  | 2.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0363 | Soil                             | 9     | 27    | 0.75  | 591   | 0.071 | 1     | 1.87  | 0.009 | 0.32  | 0.1   | 0.01  | 3.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0364 | Soil                             | 7     | 50    | 0.99  | 258   | 0.110 | 1     | 1.59  | 0.014 | 0.16  | 0.1   | <0.01 | 3.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0365 | Soil                             | 8     | 21    | 0.94  | 273   | 0.133 | <1    | 1.92  | 0.010 | 0.36  | <0.1  | 0.02  | 5.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0366 | Soil                             | 5     | 21    | 0.78  | 274   | 0.160 | <1    | 1.94  | 0.013 | 0.37  | 0.1   | 0.01  | 2.9   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0367 | Soil                             | 9     | 18    | 0.83  | 242   | 0.132 | <1    | 1.78  | 0.010 | 0.64  | <0.1  | <0.01 | 2.8   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0368 | Soil                             | 12    | 33    | 0.65  | 201   | 0.081 | 2     | 1.64  | 0.011 | 0.25  | 0.1   | <0.01 | 3.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0369 | Soil                             | 16    | 32    | 0.34  | 192   | 0.053 | 2     | 1.66  | 0.028 | 0.10  | <0.1  | 0.02  | 2.9   | <0.1  | 0.10  | 5     | <0.5  | 0.7   |
| 11TB0370 | Soil                             | 19    | 18    | 0.39  | 185   | 0.084 | 1     | 1.48  | 0.034 | 0.15  | <0.1  | <0.01 | 2.2   | 0.1   | 0.17  | 5     | 0.8   | 0.4   |
| 11TB0371 | Soil                             | 28    | 16    | 0.23  | 129   | 0.053 | <1    | 1.25  | 0.049 | 0.11  | <0.1  | <0.01 | 1.7   | <0.1  | 0.25  | 4     | 1.5   | 0.3   |



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Project: Mariposa  
Report Date: July 27, 2011

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## QUALITY CONTROL REPORT

WHI11000588.1

| Method<br>Analyte | Unit<br>MDL | 1DX15     | 1DX15     | 1DX15     | 1DX15     | 1DX15     | 1DX15     | 1DX15     | 1DX15     | 1DX15   | 1DX15     | 1DX15    | 1DX15     | 1DX15     | 1DX15     | 1DX15     | 1DX15     | 1DX15     | 1DX15    | 1DX15   | 1DX15  |
|-------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|
|                   |             | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<br>ppm | Ni<br>ppm | Co<br>ppm | Mn<br>ppm | Fe<br>% | As<br>ppm | U<br>ppm | Au<br>ppb | Th<br>ppm | Sr<br>ppm | Cd<br>ppm | Sb<br>ppm | Bi<br>ppm | V<br>ppm | Ca<br>% | P<br>% |
|                   |             | 0.1       | 0.1       | 0.1       | 1         | 0.1       | 0.1       | 0.1       | 1         | 0.01    | 0.5       | 0.1      | 0.5       | 0.1       | 1         | 0.1       | 0.1       | 0.1       | 2        | 0.01    | 0.001  |
| Pulp Duplicates   |             |           |           |           |           |           |           |           |           |         |           |          |           |           |           |           |           |           |          |         |        |
| 11DS0310          | Soil        | 1.1       | 20.5      | 4.4       | 54        | <0.1      | 12.2      | 8.0       | 314       | 2.29    | 1.7       | 2.9      | 0.8       | 1.0       | 65        | 0.1       | 0.2       | <0.1      | 40       | 0.99    | 0.052  |
| REP 11DS0310      | QC          | 1.5       | 24.1      | 5.2       | 60        | <0.1      | 14.3      | 9.0       | 362       | 2.54    | 1.4       | 3.3      | 1.4       | 1.1       | 74        | 0.1       | 0.2       | <0.1      | 44       | 1.18    | 0.063  |
| 11DS0326          | Soil        | 1.4       | 14.8      | 17.3      | 57        | 0.1       | 8.6       | 7.8       | 286       | 2.81    | 7.2       | 2.6      | 2.2       | 7.7       | 32        | <0.1      | 0.3       | 0.2       | 35       | 0.27    | 0.046  |
| REP 11DS0326      | QC          | 1.4       | 14.8      | 17.3      | 58        | 0.1       | 9.0       | 8.1       | 291       | 2.80    | 7.5       | 2.6      | 11.6      | 7.5       | 32        | <0.1      | 0.3       | 0.2       | 36       | 0.26    | 0.048  |
| 11DS0356          | Soil        | 0.4       | 7.4       | 1.5       | 28        | <0.1      | 4.8       | 7.4       | 89        | 2.32    | 0.6       | 0.8      | <0.5      | 3.4       | 7         | <0.1      | <0.1      | <0.1      | 24       | 0.12    | 0.018  |
| REP 11DS0356      | QC          | 0.6       | 6.8       | 1.9       | 29        | <0.1      | 5.1       | 7.4       | 91        | 2.32    | 0.8       | 0.8      | 2.1       | 3.4       | 7         | <0.1      | <0.1      | <0.1      | 28       | 0.12    | 0.019  |
| 11DS0359          | Soil        | 2.6       | 10.8      | 23.5      | 121       | 0.4       | 16.3      | 16.7      | 1224      | 2.59    | 15.1      | 5.2      | 3.5       | 9.3       | 28        | 0.5       | 0.3       | 0.4       | 16       | 0.50    | 0.055  |
| REP 11DS0359      | QC          | 2.3       | 12.0      | 23.9      | 127       | 0.4       | 16.8      | 17.7      | 1299      | 2.70    | 15.8      | 5.4      | 2.1       | 9.3       | 29        | 0.5       | 0.3       | 0.4       | 18       | 0.54    | 0.057  |
| 11NG0332          | Soil        | 1.0       | 12.1      | 10.9      | 52        | 0.1       | 12.5      | 8.6       | 339       | 2.29    | 2.9       | 1.0      | <0.5      | 8.7       | 32        | <0.1      | 0.3       | 0.1       | 43       | 0.39    | 0.025  |
| REP 11NG0332      | QC          | 1.0       | 11.8      | 11.0      | 53        | 0.1       | 12.2      | 8.7       | 343       | 2.37    | 3.2       | 1.0      | <0.5      | 8.5       | 32        | 0.1       | 0.3       | 0.1       | 44       | 0.37    | 0.024  |
| 11NG0338          | Soil        | 1.9       | 14.5      | 29.3      | 119       | 0.1       | 13.0      | 12.3      | 1186      | 3.66    | 13.1      | 3.5      | 2.1       | 6.7       | 84        | 0.3       | 0.2       | 0.6       | 34       | 0.67    | 0.078  |
| REP 11NG0338      | QC          | 1.8       | 14.8      | 29.1      | 115       | 0.1       | 12.7      | 12.1      | 1191      | 3.67    | 13.5      | 3.4      | 3.9       | 6.6       | 85        | 0.2       | 0.2       | 0.6       | 33       | 0.67    | 0.074  |
| 11NG0358          | Soil        | 2.0       | 18.3      | 8.8       | 63        | 0.2       | 10.9      | 13.8      | 292       | 3.95    | 14.0      | 2.2      | 33.2      | 13.2      | 43        | <0.1      | 0.3       | 0.1       | 34       | 0.29    | 0.091  |
| REP 11NG0358      | QC          | 2.2       | 18.2      | 9.3       | 65        | 0.2       | 11.5      | 14.1      | 297       | 3.99    | 14.4      | 2.2      | 26.8      | 13.4      | 43        | <0.1      | 0.3       | 0.1       | 34       | 0.29    | 0.087  |
| 11NG0385          | Soil        | 2.7       | 4.8       | 21.8      | 114       | <0.1      | 5.0       | 3.8       | 106       | 6.20    | 52.3      | 3.4      | 1.3       | 17.0      | 161       | <0.1      | 0.5       | 0.3       | 22       | 0.08    | 0.098  |
| REP 11NG0385      | QC          | 2.8       | 4.5       | 22.1      | 113       | <0.1      | 4.6       | 3.8       | 106       | 6.11    | 51.4      | 3.3      | 2.3       | 17.0      | 163       | <0.1      | 0.4       | 0.3       | 22       | 0.08    | 0.094  |
| 11NG0390          | Soil        | 1.0       | 13.1      | 6.2       | 90        | <0.1      | 17.1      | 12.2      | 472       | 2.95    | 4.3       | 0.3      | <0.5      | 2.6       | 16        | <0.1      | 0.3       | 0.2       | 65       | 0.26    | 0.029  |
| REP 11NG0390      | QC          | 0.9       | 13.0      | 6.1       | 92        | <0.1      | 17.1      | 12.6      | 460       | 2.92    | 4.5       | 0.3      | <0.5      | 2.5       | 15        | <0.1      | 0.4       | 0.2       | 67       | 0.26    | 0.033  |
| 11CB0305          | Soil        | 2.1       | 33.2      | 42.5      | 88        | 0.1       | 12.7      | 12.2      | 285       | 3.50    | 28.2      | 0.9      | 2.1       | 5.1       | 24        | 0.2       | 0.6       | 1.2       | 62       | 0.14    | 0.034  |
| REP 11CB0305      | QC          | 2.2       | 33.6      | 44.3      | 87        | 0.1       | 14.3      | 12.7      | 282       | 3.47    | 28.1      | 0.9      | 0.7       | 5.1       | 26        | 0.2       | 0.5       | 1.3       | 64       | 0.14    | 0.033  |
| 11CB0316          | Soil        | 1.8       | 15.2      | 52.7      | 80        | 0.3       | 7.2       | 5.2       | 259       | 2.87    | 14.6      | 2.5      | 5.5       | 12.1      | 88        | 0.1       | 0.2       | 0.6       | 23       | 0.30    | 0.043  |
| REP 11CB0316      | QC          | 1.8       | 15.2      | 54.3      | 77        | 0.3       | 7.8       | 5.1       | 259       | 2.77    | 14.9      | 2.6      | 3.8       | 12.1      | 89        | 0.2       | 0.2       | 0.6       | 23       | 0.29    | 0.043  |
| 11CB0346          | Soil        | 0.9       | 56.2      | 9.9       | 61        | 0.1       | 38.9      | 22.1      | 406       | 4.06    | 7.7       | 0.6      | 3.0       | 3.0       | 21        | 0.1       | 0.4       | 0.1       | 86       | 0.37    | 0.085  |
| REP 11CB0346      | QC          | 0.8       | 56.2      | 10.1      | 60        | 0.1       | 39.3      | 22.4      | 415       | 4.10    | 7.7       | 0.6      | 1.2       | 3.1       | 21        | 0.2       | 0.4       | 0.1       | 87       | 0.37    | 0.083  |
| 11CB0350          | Soil        | 2.4       | 13.3      | 26.2      | 116       | 0.3       | 15.6      | 6.5       | 277       | 3.40    | 20.6      | 3.1      | 1.3       | 11.3      | 70        | 0.1       | 0.4       | 0.2       | 35       | 0.23    | 0.072  |
| REP 11CB0350      | QC          | 2.6       | 12.4      | 26.5      | 109       | 0.2       | 15.1      | 6.4       | 251       | 3.27    | 19.4      | 2.7      | 2.3       | 11.0      | 67        | 0.2       | 0.4       | 0.3       | 34       | 0.21    | 0.067  |
| 11TB0308          | Soil        | 0.7       | 25.1      | 9.3       | 56        | 0.1       | 13.1      | 9.8       | 375       | 2.37    | 4.7       | 1.8      | 7.6       | 8.0       | 36        | 0.1       | 0.3       | <0.1      | 39       | 0.97    | 0.069  |
| REP 11TB0308      | QC          | 0.7       | 26.0      | 9.7       | 53        | 0.1       | 13.4      | 9.7       | 358       | 2.29    | 4.8       | 1.9      | 7.5       | 8.2       | 37        | 0.1       | 0.3       | <0.1      | 36       | 0.97    | 0.070  |



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Project: Mariposa  
Report Date: July 27, 2011

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## QUALITY CONTROL REPORT

WHI11000588.1

| Method<br>Analyte<br>Unit<br>MDL |      | 1DX15     | 1DX15     | 1DX15   | 1DX15     | 1DX15   | 1DX15    | 1DX15   | 1DX15   | 1DX15  | 1DX15    | 1DX15     | 1DX15     | 1DX15     | 1DX15  | 1DX15     | 1DX15     | 1DX15     |
|----------------------------------|------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|
|                                  |      | La<br>ppm | Cr<br>ppm | Mg<br>% | Ba<br>ppm | Ti<br>% | B<br>ppm | Al<br>% | Na<br>% | K<br>% | W<br>ppm | Hg<br>ppm | Sc<br>ppm | Ti<br>ppm | S<br>% | Ga<br>ppm | Se<br>ppm | Te<br>ppm |
|                                  |      | 1         | 1         | 0.01    | 1         | 0.001   | 1        | 0.01    | 0.001   | 0.01   | 0.1      | 0.01      | 0.1       | 0.1       | 0.05   | 1         | 0.5       | 0.2       |
| Pulp Duplicates                  |      |           |           |         |           |         |          |         |         |        |          |           |           |           |        |           |           |           |
| 11DS0310                         | Soil | 8         | 10        | 0.69    | 400       | 0.110   | 1        | 1.34    | 0.009   | 0.47   | 0.1      | 0.02      | 1.2       | 0.2       | <0.05  | 4         | <0.5      | <0.2      |
| REP 11DS0310                     | QC   | 10        | 11        | 0.75    | 463       | 0.126   | 2        | 1.49    | 0.011   | 0.47   | 0.1      | 0.02      | 1.4       | 0.2       | <0.05  | 5         | 0.5       | <0.2      |
| 11DS0326                         | Soil | 22        | 16        | 0.60    | 163       | 0.082   | <1       | 1.47    | 0.019   | 0.17   | <0.1     | 0.01      | 1.8       | 0.2       | <0.05  | 4         | <0.5      | <0.2      |
| REP 11DS0326                     | QC   | 22        | 16        | 0.62    | 163       | 0.082   | <1       | 1.46    | 0.019   | 0.18   | <0.1     | <0.01     | 1.7       | 0.2       | 0.06   | 4         | <0.5      | <0.2      |
| 11DS0356                         | Soil | 13        | 7         | 0.10    | 88        | 0.017   | 2        | 0.58    | 0.010   | 0.08   | <0.1     | <0.01     | 1.5       | <0.1      | <0.05  | 2         | <0.5      | <0.2      |
| REP 11DS0356                     | QC   | 14        | 7         | 0.10    | 88        | 0.018   | 1        | 0.57    | 0.006   | 0.08   | <0.1     | <0.01     | 1.6       | <0.1      | <0.05  | 2         | <0.5      | <0.2      |
| 11DS0359                         | Soil | 31        | 17        | 0.28    | 272       | 0.017   | 3        | 1.18    | 0.021   | 0.09   | <0.1     | 0.03      | 2.0       | <0.1      | 0.09   | 3         | 0.8       | 0.7       |
| REP 11DS0359                     | QC   | 31        | 18        | 0.30    | 287       | 0.018   | 2        | 1.26    | 0.021   | 0.10   | <0.1     | 0.02      | 2.1       | 0.1       | 0.10   | 3         | 0.9       | 0.7       |
| 11NG0332                         | Soil | 11        | 19        | 0.43    | 205       | 0.078   | <1       | 1.51    | 0.009   | 0.21   | <0.1     | 0.01      | 1.7       | 0.2       | <0.05  | 5         | 0.5       | <0.2      |
| REP 11NG0332                     | QC   | 10        | 19        | 0.43    | 205       | 0.084   | <1       | 1.39    | 0.009   | 0.24   | <0.1     | 0.01      | 1.6       | 0.2       | <0.05  | 5         | <0.5      | <0.2      |
| 11NG0338                         | Soil | 20        | 16        | 0.49    | 245       | 0.068   | <1       | 1.15    | 0.018   | 0.12   | <0.1     | 0.02      | 2.8       | <0.1      | 0.06   | 3         | 1.1       | 0.5       |
| REP 11NG0338                     | QC   | 20        | 16        | 0.49    | 251       | 0.067   | 1        | 1.11    | 0.017   | 0.12   | 0.1      | 0.02      | 2.6       | <0.1      | 0.07   | 3         | 0.7       | 0.3       |
| 11NG0358                         | Soil | 32        | 10        | 0.51    | 193       | 0.056   | <1       | 1.29    | 0.100   | 0.36   | <0.1     | 0.01      | 3.0       | 0.2       | 0.47   | 3         | <0.5      | <0.2      |
| REP 11NG0358                     | QC   | 32        | 11        | 0.51    | 204       | 0.057   | <1       | 1.29    | 0.097   | 0.37   | <0.1     | 0.01      | 3.2       | 0.2       | 0.47   | 3         | <0.5      | <0.2      |
| 11NG0385                         | Soil | 54        | 10        | 0.15    | 172       | 0.084   | <1       | 0.90    | 0.129   | 0.29   | <0.1     | <0.01     | 2.1       | 0.1       | 0.80   | 4         | 4.4       | 0.2       |
| REP 11NG0385                     | QC   | 53        | 9         | 0.14    | 176       | 0.083   | <1       | 0.89    | 0.128   | 0.27   | <0.1     | <0.01     | 2.0       | 0.1       | 0.78   | 4         | 4.5       | 0.2       |
| 11NG0390                         | Soil | 6         | 26        | 0.75    | 249       | 0.129   | 1        | 1.69    | 0.011   | 0.30   | 0.2      | 0.01      | 4.6       | 0.2       | <0.05  | 6         | <0.5      | <0.2      |
| REP 11NG0390                     | QC   | 6         | 26        | 0.76    | 247       | 0.132   | 2        | 1.60    | 0.010   | 0.30   | 0.1      | 0.01      | 4.5       | 0.2       | <0.05  | 6         | <0.5      | <0.2      |
| 11CB0305                         | Soil | 11        | 26        | 0.56    | 171       | 0.065   | <1       | 1.92    | 0.012   | 0.17   | 0.1      | <0.01     | 2.5       | 0.2       | 0.07   | 6         | 0.7       | 0.3       |
| REP 11CB0305                     | QC   | 11        | 28        | 0.55    | 177       | 0.068   | 1        | 2.03    | 0.015   | 0.16   | <0.1     | 0.01      | 2.3       | 0.2       | 0.05   | 6         | <0.5      | 0.3       |
| 11CB0316                         | Soil | 25        | 11        | 0.27    | 183       | 0.051   | <1       | 1.09    | 0.036   | 0.11   | <0.1     | 0.01      | 1.8       | <0.1      | 0.17   | 3         | 1.3       | 1.2       |
| REP 11CB0316                     | QC   | 25        | 11        | 0.27    | 186       | 0.053   | <1       | 1.12    | 0.036   | 0.11   | <0.1     | 0.03      | 1.9       | <0.1      | 0.16   | 3         | 1.0       | 1.2       |
| 11CB0346                         | Soil | 10        | 48        | 1.29    | 281       | 0.150   | 1        | 2.97    | 0.015   | 0.22   | 0.1      | 0.03      | 3.9       | 0.2       | <0.05  | 7         | <0.5      | <0.2      |
| REP 11CB0346                     | QC   | 9         | 48        | 1.27    | 277       | 0.154   | 2        | 2.93    | 0.018   | 0.22   | 0.1      | 0.02      | 4.0       | 0.2       | <0.05  | 7         | <0.5      | <0.2      |
| 11CB0350                         | Soil | 31        | 22        | 0.48    | 183       | 0.069   | 1        | 1.77    | 0.086   | 0.20   | <0.1     | 0.02      | 2.9       | 0.1       | 0.46   | 5         | 2.1       | 0.6       |
| REP 11CB0350                     | QC   | 31        | 21        | 0.45    | 178       | 0.065   | <1       | 1.66    | 0.078   | 0.19   | <0.1     | 0.02      | 2.8       | <0.1      | 0.41   | 5         | 1.9       | 0.5       |
| 11TB0308                         | Soil | 35        | 22        | 0.58    | 246       | 0.080   | <1       | 1.40    | 0.014   | 0.17   | 0.1      | 0.03      | 3.3       | 0.1       | <0.05  | 4         | 0.6       | <0.2      |
| REP 11TB0308                     | QC   | 36        | 22        | 0.58    | 262       | 0.079   | 1        | 1.49    | 0.015   | 0.17   | <0.1     | 0.05      | 3.2       | 0.1       | <0.05  | 4         | 0.9       | <0.2      |



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Project: Mariposa

Report Date: July 27, 2011

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## QUALITY CONTROL REPORT

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|                     |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|                     |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|                     |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11TB0322            | Soil     | 1.1   | 26.9  | 10.3  | 59    | 0.2   | 15.1  | 12.6  | 280   | 2.82  | 11.1  | 0.9   | 22.6  | 6.8   | 20    | <0.1  | 0.4   | 0.1   | 64    | 0.40  | 0.056 |
| REP 11TB0322        | QC       | 1.2   | 28.3  | 11.2  | 62    | 0.2   | 16.3  | 12.5  | 283   | 2.88  | 11.9  | 1.0   | 27.3  | 7.0   | 22    | <0.1  | 0.4   | 0.1   | 64    | 0.40  | 0.056 |
| 11TB0347            | Soil     | 3.0   | 16.8  | 35.6  | 27    | 0.4   | 10.1  | 2.6   | 58    | 3.28  | 38.2  | 1.1   | 7.1   | 23.8  | 32    | <0.1  | 0.6   | 0.9   | 17    | 0.11  | 0.038 |
| REP 11TB0347        | QC       | 2.8   | 16.7  | 33.9  | 27    | 0.4   | 10.8  | 2.6   | 59    | 2.88  | 34.8  | 1.0   | 5.3   | 22.2  | 28    | <0.1  | 0.7   | 0.8   | 16    | 0.10  | 0.039 |
| 11TB0366            | Soil     | 1.1   | 10.8  | 6.9   | 65    | <0.1  | 13.7  | 11.3  | 409   | 3.36  | 4.5   | 0.3   | <0.5  | 1.9   | 15    | <0.1  | 0.3   | <0.1  | 58    | 0.23  | 0.021 |
| REP 11TB0366        | QC       | 1.1   | 10.3  | 6.8   | 62    | <0.1  | 12.9  | 10.5  | 409   | 3.30  | 4.0   | 0.3   | 0.7   | 1.9   | 14    | <0.1  | 0.2   | <0.1  | 56    | 0.22  | 0.021 |
| Reference Materials |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard | 14.7  | 108.6 | 124.4 | 303   | 1.8   | 37.9  | 7.3   | 605   | 2.38  | 25.6  | 2.8   | 118.8 | 7.0   | 65    | 2.3   | 5.4   | 6.1   | 43    | 0.68  | 0.078 |
| STD DS8             | Standard | 13.5  | 105.9 | 121.7 | 299   | 1.9   | 35.3  | 7.4   | 573   | 2.37  | 25.4  | 2.8   | 98.0  | 6.7   | 64    | 2.4   | 5.4   | 6.1   | 42    | 0.68  | 0.077 |
| STD DS8             | Standard | 13.3  | 118.9 | 129.3 | 314   | 1.9   | 40.7  | 7.9   | 627   | 2.53  | 27.8  | 2.6   | 104.5 | 6.4   | 62    | 2.4   | 5.5   | 6.5   | 44    | 0.68  | 0.082 |
| STD DS8             | Standard | 14.0  | 114.5 | 124.3 | 302   | 1.8   | 38.9  | 7.8   | 612   | 2.44  | 27.2  | 2.7   | 111.4 | 6.6   | 63    | 2.4   | 5.5   | 6.4   | 44    | 0.70  | 0.079 |
| STD DS8             | Standard | 13.8  | 112.5 | 125.7 | 316   | 1.8   | 39.7  | 7.7   | 596   | 2.47  | 26.6  | 2.9   | 116.4 | 7.1   | 62    | 2.5   | 5.7   | 6.3   | 42    | 0.70  | 0.088 |
| STD DS8             | Standard | 13.5  | 110.3 | 127.1 | 307   | 1.8   | 38.5  | 7.9   | 602   | 2.50  | 27.0  | 2.7   | 110.7 | 6.9   | 63    | 2.5   | 5.7   | 6.2   | 45    | 0.67  | 0.088 |
| STD DS8             | Standard | 13.2  | 102.9 | 109.1 | 296   | 1.7   | 36.1  | 6.8   | 583   | 2.32  | 23.8  | 2.3   | 112.8 | 6.0   | 60    | 2.3   | 4.6   | 5.6   | 38    | 0.66  | 0.076 |
| STD DS8             | Standard | 13.9  | 103.8 | 109.9 | 309   | 1.8   | 36.9  | 7.2   | 622   | 2.51  | 25.3  | 2.4   | 137.3 | 6.3   | 65    | 2.2   | 5.0   | 5.6   | 40    | 0.72  | 0.080 |
| STD DS8             | Standard | 12.5  | 101.7 | 115.7 | 305   | 1.8   | 35.4  | 7.1   | 543   | 2.39  | 25.6  | 2.5   | 108.2 | 5.8   | 57    | 2.1   | 5.7   | 5.9   | 36    | 0.65  | 0.080 |
| STD DS8             | Standard | 13.8  | 102.6 | 117.2 | 309   | 1.9   | 36.6  | 7.5   | 566   | 2.43  | 26.7  | 2.5   | 106.0 | 6.2   | 63    | 2.2   | 5.8   | 6.3   | 38    | 0.67  | 0.081 |
| STD DS8             | Standard | 14.9  | 115.1 | 126.6 | 290   | 1.6   | 38.4  | 7.4   | 587   | 2.29  | 23.2  | 3.0   | 99.9  | 7.2   | 68    | 1.8   | 5.7   | 6.5   | 39    | 0.66  | 0.073 |
| STD DS8             | Standard | 14.5  | 110.8 | 131.5 | 305   | 1.8   | 39.1  | 7.9   | 613   | 2.40  | 24.2  | 3.1   | 118.5 | 7.7   | 76    | 2.2   | 5.8   | 6.7   | 39    | 0.70  | 0.076 |
| STD DS8             | Standard | 12.6  | 104.3 | 130.1 | 318   | 1.8   | 37.0  | 7.2   | 584   | 2.44  | 26.8  | 2.8   | 118.5 | 7.0   | 71    | 2.3   | 5.8   | 7.0   | 40    | 0.69  | 0.080 |
| STD DS8             | Standard | 13.6  | 104.4 | 135.3 | 310   | 1.8   | 35.7  | 7.3   | 608   | 2.40  | 27.2  | 2.9   | 113.7 | 7.4   | 71    | 2.4   | 5.8   | 7.2   | 39    | 0.72  | 0.081 |
| STD DS8             | Standard | 13.1  | 109.8 | 135.9 | 305   | 1.7   | 38.2  | 7.6   | 593   | 2.39  | 24.5  | 2.9   | 102.6 | 6.9   | 65    | 2.4   | 5.6   | 6.7   | 41    | 0.62  | 0.075 |
| STD DS8             | Standard | 13.4  | 113.2 | 136.2 | 304   | 1.6   | 40.6  | 7.9   | 586   | 2.36  | 24.5  | 3.0   | 106.9 | 7.2   | 66    | 2.5   | 5.8   | 6.5   | 42    | 0.66  | 0.078 |
| STD DS8             | Standard | 13.6  | 106.6 | 124.9 | 300   | 1.7   | 36.4  | 7.7   | 597   | 2.37  | 24.2  | 2.7   | 99.8  | 7.0   | 61    | 1.9   | 5.3   | 6.0   | 40    | 0.67  | 0.072 |
| STD DS8             | Standard | 13.9  | 108.4 | 126.0 | 305   | 1.7   | 37.9  | 7.4   | 594   | 2.37  | 24.2  | 2.8   | 108.1 | 6.8   | 60    | 2.2   | 5.3   | 5.9   | 29    | 0.67  | 0.075 |
| STD DS8             | Standard | 11.3  | 108.4 | 128.3 | 317   | 1.8   | 37.8  | 7.3   | 612   | 2.48  | 27.2  | 2.8   | 112.9 | 6.9   | 68    | 2.2   | 5.8   | 7.1   | 41    | 0.69  | 0.080 |
| STD DS8             | Standard | 12.4  | 111.3 | 126.9 | 319   | 1.8   | 37.2  | 7.4   | 603   | 2.44  | 27.3  | 2.8   | 107.1 | 6.7   | 68    | 2.4   | 5.8   | 7.0   | 36    | 0.66  | 0.078 |
| STD DS8             | Standard | 11.7  | 103.3 | 128.7 | 299   | 1.7   | 38.0  | 7.0   | 593   | 2.16  | 24.8  | 2.6   | 100.2 | 6.2   | 67    | 2.4   | 5.8   | 6.6   | 40    | 0.67  | 0.076 |
| STD DS8 Expected    |          | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08  |



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Project: Mariposa

Report Date: July 27, 2011

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## QUALITY CONTROL REPORT

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|                     |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|---------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| 11TB0322            | Soil     | 19                      | 26                      | 0.82                     | 202                     | 0.108                     | 1                      | 1.65                     | 0.013                     | 0.13                    | 0.1                      | 0.03                       | 3.5                       | <0.1                      | <0.05                   | 5                       | <0.5                      | <0.2                      |
| REP 11TB0322        | QC       | 20                      | 27                      | 0.82                     | 205                     | 0.110                     | 2                      | 1.66                     | 0.014                     | 0.13                    | <0.1                     | 0.03                       | 3.4                       | <0.1                      | <0.05                   | 5                       | <0.5                      | <0.2                      |
| 11TB0347            | Soil     | 38                      | 14                      | 0.13                     | 164                     | 0.011                     | <1                     | 0.68                     | 0.092                     | 0.12                    | <0.1                     | 0.02                       | 1.6                       | 0.1                       | 0.38                    | 2                       | 1.6                       | 3.9                       |
| REP 11TB0347        | QC       | 40                      | 16                      | 0.14                     | 155                     | 0.015                     | <1                     | 0.68                     | 0.082                     | 0.12                    | <0.1                     | 0.01                       | 1.6                       | 0.1                       | 0.35                    | 2                       | 1.6                       | 3.4                       |
| 11TB0366            | Soil     | 5                       | 21                      | 0.78                     | 274                     | 0.160                     | <1                     | 1.94                     | 0.013                     | 0.37                    | 0.1                      | 0.01                       | 2.9                       | 0.3                       | <0.05                   | 6                       | <0.5                      | <0.2                      |
| REP 11TB0366        | QC       | 5                       | 21                      | 0.72                     | 269                     | 0.163                     | <1                     | 1.83                     | 0.011                     | 0.37                    | <0.1                     | <0.01                      | 3.0                       | 0.3                       | <0.05                   | 6                       | <0.5                      | <0.2                      |
| Reference Materials |          |                         |                         |                          |                         |                           |                        |                          |                           |                         |                          |                            |                           |                           |                         |                         |                           |                           |
| STD DS8             | Standard | 15                      | 120                     | 0.59                     | 276                     | 0.115                     | 3                      | 0.93                     | 0.099                     | 0.42                    | 2.9                      | 0.21                       | 2.2                       | 5.1                       | 0.14                    | 5                       | 5.3                       | 4.6                       |
| STD DS8             | Standard | 15                      | 116                     | 0.58                     | 274                     | 0.113                     | 2                      | 0.90                     | 0.102                     | 0.41                    | 2.9                      | 0.19                       | 2.1                       | 5.0                       | <0.05                   | 5                       | 5.7                       | 5.3                       |
| STD DS8             | Standard | 13                      | 122                     | 0.62                     | 277                     | 0.112                     | 2                      | 0.92                     | 0.097                     | 0.44                    | 3.0                      | 0.18                       | 2.3                       | 5.3                       | 0.16                    | 5                       | 5.2                       | 5.1                       |
| STD DS8             | Standard | 14                      | 120                     | 0.61                     | 296                     | 0.115                     | 1                      | 0.91                     | 0.094                     | 0.42                    | 2.9                      | 0.21                       | 2.4                       | 5.4                       | 0.15                    | 4                       | 4.7                       | 4.5                       |
| STD DS8             | Standard | 14                      | 117                     | 0.64                     | 291                     | 0.112                     | 3                      | 0.95                     | 0.101                     | 0.41                    | 3.2                      | 0.23                       | 2.4                       | 5.4                       | 0.16                    | 5                       | 5.2                       | 4.9                       |
| STD DS8             | Standard | 14                      | 123                     | 0.60                     | 288                     | 0.115                     | 3                      | 0.89                     | 0.092                     | 0.40                    | 3.0                      | 0.21                       | 2.3                       | 5.3                       | 0.17                    | 5                       | 4.9                       | 5.0                       |
| STD DS8             | Standard | 13                      | 109                     | 0.59                     | 278                     | 0.097                     | 4                      | 0.92                     | 0.111                     | 0.43                    | 3.0                      | 0.20                       | 2.8                       | 5.3                       | 0.11                    | 4                       | 5.4                       | 4.9                       |
| STD DS8             | Standard | 15                      | 115                     | 0.62                     | 300                     | 0.106                     | 4                      | 0.98                     | 0.100                     | 0.46                    | 3.0                      | 0.19                       | 2.9                       | 5.4                       | 0.13                    | 5                       | 5.8                       | 5.0                       |
| STD DS8             | Standard | 13                      | 111                     | 0.61                     | 257                     | 0.102                     | 2                      | 0.87                     | 0.086                     | 0.43                    | 2.9                      | 0.20                       | 1.8                       | 5.0                       | 0.16                    | 5                       | 5.6                       | 5.0                       |
| STD DS8             | Standard | 14                      | 115                     | 0.58                     | 275                     | 0.112                     | 1                      | 0.86                     | 0.093                     | 0.41                    | 3.2                      | 0.19                       | 2.0                       | 5.2                       | 0.11                    | 5                       | 5.6                       | 5.3                       |
| STD DS8             | Standard | 15                      | 119                     | 0.64                     | 261                     | 0.130                     | 3                      | 0.88                     | 0.089                     | 0.38                    | 2.6                      | 0.20                       | 2.2                       | 4.9                       | 0.08                    | 4                       | 4.6                       | 4.5                       |
| STD DS8             | Standard | 17                      | 121                     | 0.67                     | 284                     | 0.130                     | 3                      | 0.98                     | 0.099                     | 0.43                    | 2.7                      | 0.21                       | 2.4                       | 5.4                       | 0.11                    | 4                       | 5.0                       | 4.8                       |
| STD DS8             | Standard | 14                      | 115                     | 0.63                     | 276                     | 0.112                     | 3                      | 0.94                     | 0.104                     | 0.43                    | 3.1                      | 0.20                       | 2.2                       | 5.5                       | 0.15                    | 4                       | 6.0                       | 4.9                       |
| STD DS8             | Standard | 15                      | 117                     | 0.64                     | 290                     | 0.116                     | 3                      | 0.97                     | 0.103                     | 0.45                    | 3.1                      | 0.21                       | 2.4                       | 5.5                       | 0.16                    | 5                       | 5.3                       | 4.8                       |
| STD DS8             | Standard | 13                      | 119                     | 0.65                     | 274                     | 0.116                     | 2                      | 0.86                     | 0.084                     | 0.41                    | 2.8                      | 0.21                       | 1.9                       | 5.4                       | 0.10                    | 4                       | 4.3                       | 4.8                       |
| STD DS8             | Standard | 14                      | 120                     | 0.64                     | 273                     | 0.118                     | 2                      | 0.89                     | 0.081                     | 0.40                    | 3.0                      | 0.22                       | 1.8                       | 5.3                       | 0.10                    | 4                       | 4.8                       | 4.6                       |
| STD DS8             | Standard | 15                      | 118                     | 0.57                     | 268                     | 0.112                     | 2                      | 0.82                     | 0.086                     | 0.40                    | 2.8                      | 0.18                       | 2.3                       | 5.0                       | 0.14                    | 4                       | 4.9                       | 4.6                       |
| STD DS8             | Standard | 15                      | 116                     | 0.59                     | 286                     | 0.114                     | 3                      | 0.89                     | 0.088                     | 0.39                    | 3.0                      | 0.18                       | 2.0                       | 5.1                       | 0.15                    | 4                       | 5.9                       | 4.8                       |
| STD DS8             | Standard | 13                      | 118                     | 0.61                     | 272                     | 0.114                     | 3                      | 0.89                     | 0.099                     | 0.45                    | 2.9                      | 0.21                       | 2.5                       | 5.5                       | 0.16                    | 5                       | 4.9                       | 5.7                       |
| STD DS8             | Standard | 13                      | 115                     | 0.59                     | 272                     | 0.114                     | 2                      | 0.87                     | 0.096                     | 0.43                    | 3.0                      | 0.18                       | 2.5                       | 5.4                       | 0.15                    | 5                       | 4.7                       | 5.0                       |
| STD DS8             | Standard | 13                      | 111                     | 0.61                     | 263                     | 0.104                     | 1                      | 0.87                     | 0.081                     | 0.40                    | 2.9                      | 0.19                       | 2.0                       | 4.9                       | 0.15                    | 5                       | 4.7                       | 4.9                       |
| STD DS8 Expected    |          | 14.6                    | 115                     | 0.6045                   | 279                     | 0.113                     | 2.6                    | 0.93                     | 0.0883                    | 0.41                    | 3                        | 0.192                      | 2.3                       | 5.4                       | 0.1679                  | 4.7                     | 5.23                      | 5                         |





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Project: Mariposa

Report Date: July 27, 2011

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## QUALITY CONTROL REPORT

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|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|     |       | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|     |       | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | 0.01  | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |



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## QUALITY CONTROL REPORT

WHI11000588.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | La    | Cr    | Mg    | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|     |       | ppm   | ppm   | %     | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|     |       | 1     | 1     | 0.01  | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 02, 2011

Report Date: August 31, 2011

Page: 1 of 7

## CERTIFICATE OF ANALYSIS

WHI11000993.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-13  
P.O. Number  
Number of Samples: 180

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 178               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 178               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 178               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 178               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: August 31, 2011

Page: 2 of 7 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11DS0482 | Soil                             | 0.6        | 23.7       | 11.9       | 76       | <0.1       | 28.0       | 15.3       | 748      | 3.64      | 3.7        | 1.0        | 3.8        | 6.5        | 32       | 0.1        | 0.3        | 0.2        | 88       | 0.46      |
| 11DS0483 | Soil                             | 1.1        | 16.9       | 8.7        | 60       | <0.1       | 12.7       | 8.6        | 469      | 3.14      | 4.0        | 0.8        | 65.9       | 10.6       | 14       | 0.1        | 0.3        | 0.1        | 46       | 0.17      |
| 11DS0484 | Soil                             | 1.9        | 28.1       | 12.0       | 58       | <0.1       | 19.9       | 9.1        | 369      | 2.79      | 6.4        | 0.6        | 9.1        | 8.3        | 14       | 0.1        | 0.5        | 0.1        | 53       | 0.16      |
| 11DS0485 | Soil                             | 6.6        | 21.6       | 9.6        | 66       | <0.1       | 23.9       | 11.4       | 488      | 3.08      | 6.8        | 0.9        | 83.7       | 5.2        | 21       | 0.1        | 0.4        | 0.2        | 60       | 0.27      |
| 11DS0486 | Soil                             | 1.4        | 19.3       | 10.9       | 26       | 0.2        | 11.4       | 3.7        | 73       | 1.58      | 5.6        | 0.6        | 3.5        | 0.1        | 14       | 0.2        | 0.2        | 0.2        | 43       | 0.11      |
| 11DS0487 | Soil                             | 4.0        | 32.0       | 8.6        | 47       | 0.4        | 33.1       | 8.3        | 453      | 2.12      | 3.5        | 3.9        | 11.8       | 2.1        | 79       | 0.4        | 0.4        | 0.1        | 31       | 1.18      |
| 11DS0488 | Soil                             | 1.2        | 15.6       | 6.8        | 49       | 0.2        | 17.8       | 5.5        | 145      | 2.15      | 3.5        | 1.1        | 5.6        | 1.1        | 24       | 0.1        | 0.2        | 0.2        | 34       | 0.32      |
| 11DS0489 | Soil                             | 1.7        | 30.2       | 3.0        | 57       | <0.1       | 23.1       | 13.6       | 354      | 2.67      | 2.1        | 0.6        | <0.5       | 2.1        | 31       | <0.1       | 0.1        | <0.1       | 60       | 0.65      |
| 11DS0490 | Soil                             | 1.3        | 19.0       | 6.6        | 50       | <0.1       | 14.4       | 9.6        | 275      | 2.39      | 4.4        | 0.7        | 3.4        | 1.6        | 34       | 0.1        | 0.2        | 0.1        | 56       | 0.51      |
| 11DS0491 | Soil                             | 1.4        | 16.4       | 4.3        | 73       | <0.1       | 11.0       | 8.5        | 433      | 2.86      | 2.6        | 0.7        | 1.0        | 7.6        | 25       | <0.1       | 0.2        | <0.1       | 45       | 0.47      |
| 11DS0492 | Soil                             | 1.6        | 25.0       | 6.6        | 57       | 0.1        | 16.4       | 9.1        | 216      | 2.61      | 4.5        | 1.0        | 6.8        | 2.1        | 34       | 0.2        | 0.3        | 0.1        | 56       | 0.46      |
| 11DS0493 | Soil                             | 1.6        | 40.8       | 5.1        | 62       | <0.1       | 19.7       | 14.3       | 437      | 2.73      | 3.8        | 1.0        | 1.9        | 2.3        | 44       | 0.1        | 0.2        | <0.1       | 65       | 0.80      |
| 11DS0494 | Soil                             | 2.0        | 37.4       | 5.6        | 55       | 0.1        | 22.2       | 14.7       | 450      | 2.73      | 3.8        | 1.3        | 1.5        | 1.7        | 47       | <0.1       | 0.3        | 0.1        | 67       | 0.70      |
| 11DS0495 | Soil                             | 2.5        | 25.7       | 9.3        | 63       | <0.1       | 21.8       | 10.7       | 434      | 3.43      | 8.8        | 0.8        | 1.2        | 4.4        | 13       | 0.2        | 0.3        | 0.2        | 70       | 0.18      |
| 11DS0496 | Soil                             | 1.7        | 31.7       | 8.4        | 59       | <0.1       | 64.3       | 18.1       | 473      | 4.02      | 9.7        | 0.6        | 3.1        | 6.4        | 22       | <0.1       | 0.5        | 0.2        | 75       | 0.25      |
| 11DS0497 | Soil                             | 2.1        | 27.5       | 10.0       | 50       | <0.1       | 23.6       | 9.4        | 362      | 2.96      | 12.2       | 0.9        | 16.2       | 4.7        | 25       | <0.1       | 0.4        | 0.2        | 62       | 0.27      |
| 11DS0498 | Soil                             | 1.9        | 25.1       | 10.2       | 50       | <0.1       | 17.1       | 8.3        | 365      | 2.58      | 7.4        | 0.7        | 24.4       | 3.1        | 15       | 0.1        | 0.5        | 0.2        | 59       | 0.17      |
| 11DS0499 | Soil                             | 2.1        | 18.6       | 8.9        | 61       | <0.1       | 20.7       | 11.5       | 443      | 3.39      | 7.7        | 0.8        | 3.8        | 7.0        | 17       | 0.1        | 0.5        | 0.1        | 59       | 0.18      |
| 11DS0500 | Soil                             | 0.9        | 25.4       | 10.0       | 58       | <0.1       | 33.7       | 9.8        | 381      | 3.03      | 7.5        | 1.1        | 3.5        | 11.1       | 25       | <0.1       | 0.4        | 0.1        | 63       | 0.29      |
| 11DS0501 | Soil                             | 0.8        | 28.5       | 10.2       | 60       | <0.1       | 41.2       | 10.8       | 395      | 3.25      | 7.8        | 1.1        | 2.4        | 11.5       | 28       | <0.1       | 0.5        | 0.1        | 67       | 0.31      |
| 11DS0502 | Soil                             | 1.1        | 8.5        | 11.2       | 35       | <0.1       | 10.1       | 6.4        | 640      | 2.02      | 4.9        | 0.4        | 3.9        | 3.5        | 12       | <0.1       | 0.3        | 0.1        | 45       | 0.13      |
| 11DS0503 | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      |
| 11DS0504 | Soil                             | 0.9        | 15.4       | 6.3        | 65       | <0.1       | 15.7       | 8.5        | 428      | 2.93      | 4.9        | 1.2        | 1.5        | 7.5        | 19       | 0.1        | 0.3        | 0.1        | 55       | 0.23      |
| 11DS0505 | Soil                             | 0.6        | 18.1       | 6.8        | 80       | 0.1        | 18.0       | 12.5       | 593      | 3.51      | 5.0        | 0.9        | 1.3        | 5.6        | 19       | <0.1       | 0.2        | 0.1        | 77       | 0.34      |
| 11DS0506 | Soil                             | 0.7        | 30.5       | 9.6        | 90       | 0.2        | 42.9       | 17.9       | 626      | 3.67      | 4.5        | 0.6        | 0.5        | 3.2        | 23       | <0.1       | 0.2        | <0.1       | 106      | 0.38      |
| 11DS0507 | Soil                             | 0.7        | 21.2       | 8.8        | 63       | <0.1       | 30.2       | 13.3       | 301      | 2.90      | 6.9        | 0.6        | 4.4        | 4.0        | 21       | <0.1       | 0.3        | 0.1        | 61       | 0.26      |
| 11DS0508 | Soil                             | 0.6        | 35.6       | 7.0        | 85       | <0.1       | 42.1       | 22.9       | 416      | 4.60      | 4.2        | 0.4        | 1.5        | 2.1        | 17       | <0.1       | 0.2        | <0.1       | 101      | 0.32      |
| 11DS0509 | Soil                             | 0.4        | 44.5       | 6.6        | 151      | 0.1        | 39.8       | 26.4       | 805      | 5.23      | 3.2        | 0.7        | 4.3        | 4.4        | 26       | <0.1       | 0.2        | <0.1       | 143      | 0.81      |
| 11DS0510 | Soil                             | 1.4        | 38.0       | 6.1        | 96       | 0.1        | 13.0       | 18.5       | 370      | 4.23      | 4.4        | 0.4        | 3.5        | 3.4        | 33       | <0.1       | 0.3        | <0.1       | 94       | 0.77      |
| 11DS0511 | Soil                             | 0.5        | 28.3       | 6.9        | 43       | <0.1       | 11.7       | 6.6        | 309      | 3.18      | 3.8        | 1.2        | 9.0        | 15.1       | 22       | <0.1       | 0.4        | 0.5        | 27       | 0.35      |



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**Project:** Mariposa  
**Report Date:** August 31, 2011

**Page:** 2 of 7 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0482 | Soil                             | 22    | 75    | 1.51  | 507   | 0.161 | 3     | 2.56  | 0.019 | 0.36  | 0.1   | <0.01 | 5.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0483 | Soil                             | 19    | 21    | 0.49  | 241   | 0.072 | 2     | 2.10  | 0.008 | 0.16  | 0.1   | 0.01  | 4.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0484 | Soil                             | 21    | 31    | 0.47  | 261   | 0.058 | 2     | 2.17  | 0.009 | 0.08  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0485 | Soil                             | 20    | 36    | 0.65  | 509   | 0.067 | 1     | 1.99  | 0.011 | 0.08  | 0.1   | <0.01 | 5.1   | 0.1   | <0.05 | 5     | 0.8   | 0.3   |
| 11DS0486 | Soil                             | 15    | 20    | 0.19  | 219   | 0.011 | 2     | 1.20  | 0.007 | 0.05  | <0.1  | 0.03  | 0.5   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11DS0487 | Soil                             | 31    | 40    | 0.39  | 1216  | 0.025 | 3     | 1.66  | 0.014 | 0.05  | 0.1   | 0.10  | 4.5   | <0.1  | 0.14  | 4     | 0.9   | <0.2  |
| 11DS0488 | Soil                             | 17    | 32    | 0.42  | 385   | 0.030 | 1     | 1.67  | 0.012 | 0.06  | <0.1  | 0.05  | 3.7   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11DS0489 | Soil                             | 8     | 41    | 1.02  | 240   | 0.112 | <1    | 1.92  | 0.028 | 0.08  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0490 | Soil                             | 10    | 30    | 0.58  | 194   | 0.053 | <1    | 1.66  | 0.018 | 0.04  | 0.1   | 0.01  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0491 | Soil                             | 20    | 20    | 0.68  | 262   | 0.091 | <1    | 1.62  | 0.014 | 0.21  | <0.1  | <0.01 | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0492 | Soil                             | 12    | 31    | 0.72  | 193   | 0.063 | 2     | 1.81  | 0.018 | 0.05  | 0.1   | 0.04  | 3.6   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11DS0493 | Soil                             | 9     | 35    | 0.98  | 254   | 0.100 | <1    | 1.95  | 0.024 | 0.10  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11DS0494 | Soil                             | 12    | 39    | 0.92  | 400   | 0.050 | <1    | 2.22  | 0.025 | 0.06  | <0.1  | 0.03  | 6.1   | <0.1  | <0.05 | 6     | 0.8   | <0.2  |
| 11DS0495 | Soil                             | 15    | 35    | 0.59  | 165   | 0.072 | 1     | 2.28  | 0.010 | 0.08  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 7     | 0.8   | <0.2  |
| 11DS0496 | Soil                             | 15    | 79    | 0.90  | 270   | 0.064 | <1    | 2.92  | 0.009 | 0.09  | 0.1   | 0.01  | 5.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0497 | Soil                             | 27    | 37    | 0.52  | 438   | 0.060 | 1     | 2.03  | 0.012 | 0.06  | 0.1   | 0.04  | 4.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0498 | Soil                             | 15    | 30    | 0.41  | 210   | 0.059 | <1    | 1.88  | 0.010 | 0.07  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0499 | Soil                             | 17    | 34    | 0.53  | 200   | 0.090 | <1    | 2.37  | 0.011 | 0.13  | <0.1  | 0.02  | 4.3   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0500 | Soil                             | 38    | 49    | 0.72  | 374   | 0.091 | 2     | 2.03  | 0.012 | 0.08  | 0.1   | 0.04  | 6.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0501 | Soil                             | 40    | 56    | 0.80  | 417   | 0.106 | 1     | 2.21  | 0.012 | 0.08  | 0.1   | 0.02  | 6.8   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| 11DS0502 | Soil                             | 14    | 20    | 0.30  | 194   | 0.047 | 1     | 1.36  | 0.008 | 0.09  | 0.1   | 0.02  | 2.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0503 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11DS0504 | Soil                             | 33    | 28    | 0.63  | 249   | 0.099 | <1    | 1.77  | 0.011 | 0.13  | 0.1   | <0.01 | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0505 | Soil                             | 19    | 29    | 1.00  | 288   | 0.192 | <1    | 2.21  | 0.016 | 0.45  | 0.1   | 0.02  | 5.1   | 0.3   | <0.05 | 7     | 0.5   | <0.2  |
| 11DS0506 | Soil                             | 12    | 98    | 1.70  | 367   | 0.211 | <1    | 2.72  | 0.018 | 0.52  | <0.1  | <0.01 | 5.7   | 0.6   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0507 | Soil                             | 10    | 41    | 0.79  | 213   | 0.088 | 2     | 2.11  | 0.013 | 0.06  | 0.1   | 0.01  | 4.0   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11DS0508 | Soil                             | 7     | 78    | 1.73  | 174   | 0.219 | 2     | 3.38  | 0.016 | 0.30  | 0.1   | 0.01  | 5.5   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0509 | Soil                             | 25    | 85    | 2.23  | 643   | 0.335 | <1    | 3.56  | 0.024 | 0.87  | <0.1  | <0.01 | 9.5   | 0.5   | <0.05 | 11    | <0.5  | <0.2  |
| 11DS0510 | Soil                             | 12    | 19    | 1.22  | 440   | 0.228 | 1     | 2.75  | 0.017 | 0.32  | 0.1   | <0.01 | 5.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0511 | Soil                             | 55    | 21    | 0.39  | 812   | 0.018 | 2     | 1.51  | 0.009 | 0.17  | <0.1  | <0.01 | 5.1   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: August 31, 2011

Page: 3 of 7 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11DS0512 | Soil | 1.0                              | 18.6  | 10.1  | 65    | <0.1  | 20.5  | 9.8   | 353   | 3.24  | 8.3   | 0.8   | 2.6   | 7.7   | 19    | <0.1  | 0.4   | 0.2   | 67    | 0.17  | 0.020 |      |
| 11DS0513 | Soil | 1.0                              | 25.9  | 11.9  | 63    | <0.1  | 26.7  | 11.2  | 378   | 3.42  | 8.6   | 1.0   | 1.4   | 9.0   | 23    | <0.1  | 0.5   | 0.2   | 74    | 0.25  | 0.031 |      |
| 11DS0514 | Soil | 1.2                              | 22.1  | 8.1   | 60    | <0.1  | 28.1  | 10.5  | 426   | 2.93  | 11.0  | 1.0   | 13.0  | 9.0   | 25    | <0.1  | 0.5   | 0.1   | 62    | 0.30  | 0.032 |      |
| 11DS0515 | Soil | 1.7                              | 19.2  | 9.6   | 57    | <0.1  | 18.5  | 8.0   | 415   | 2.68  | 9.1   | 1.2   | 21.5  | 7.6   | 19    | <0.1  | 0.4   | 0.1   | 50    | 0.33  | 0.033 |      |
| 11DS0516 | Soil | 1.0                              | 24.9  | 8.4   | 55    | <0.1  | 21.0  | 8.3   | 317   | 2.75  | 8.6   | 1.0   | 20.8  | 5.1   | 21    | <0.1  | 0.4   | 0.1   | 59    | 0.26  | 0.040 |      |
| 11DS0517 | Soil | 0.8                              | 12.8  | 7.3   | 44    | <0.1  | 13.1  | 7.9   | 416   | 2.33  | 4.8   | 0.6   | <0.5  | 5.6   | 12    | <0.1  | 0.3   | <0.1  | 43    | 0.15  | 0.036 |      |
| 11DS0518 | Soil | 0.8                              | 14.1  | 6.3   | 35    | <0.1  | 12.1  | 7.6   | 256   | 1.94  | 3.5   | 0.6   | <0.5  | 9.0   | 28    | <0.1  | 0.3   | <0.1  | 33    | 0.11  | 0.015 |      |
| 11DS0519 | Soil | 1.0                              | 21.8  | 6.6   | 53    | <0.1  | 20.4  | 12.7  | 382   | 3.70  | 6.4   | 0.4   | 1.5   | 1.9   | 16    | <0.1  | 0.3   | 0.1   | 91    | 0.20  | 0.037 |      |
| 11DS0520 | Soil | 1.4                              | 25.5  | 7.5   | 54    | <0.1  | 35.5  | 11.4  | 303   | 3.24  | 7.5   | 0.4   | 2.4   | 1.4   | 22    | 0.1   | 0.3   | 0.1   | 75    | 0.23  | 0.039 |      |
| 11DS0521 | Soil | 1.4                              | 23.1  | 7.7   | 44    | <0.1  | 28.5  | 9.3   | 280   | 2.75  | 6.9   | 0.4   | 1.7   | 0.5   | 21    | 0.1   | 0.3   | 0.1   | 68    | 0.20  | 0.056 |      |
| 11DS0522 | Soil | 2.7                              | 31.3  | 6.8   | 62    | <0.1  | 21.0  | 9.6   | 344   | 2.73  | 4.2   | 1.0   | 5.0   | 8.5   | 46    | <0.1  | 0.3   | 0.1   | 47    | 0.45  | 0.043 |      |
| 11DS0523 | Soil | 3.0                              | 16.1  | 5.7   | 56    | <0.1  | 14.4  | 9.7   | 416   | 2.22  | 3.4   | 1.2   | 2.3   | 4.6   | 43    | <0.1  | 0.2   | <0.1  | 41    | 0.84  | 0.056 |      |
| 11DS0524 | Soil | 2.2                              | 25.1  | 7.4   | 54    | 0.1   | 12.4  | 7.8   | 264   | 2.55  | 5.0   | 1.0   | 3.6   | 4.6   | 21    | <0.1  | 0.3   | 0.1   | 49    | 0.35  | 0.048 |      |
| 11DS0525 | Soil | 1.8                              | 40.0  | 6.8   | 51    | 0.2   | 15.0  | 7.1   | 249   | 2.40  | 4.7   | 1.0   | 9.4   | 4.2   | 28    | <0.1  | 0.4   | 0.1   | 48    | 0.50  | 0.044 |      |
| 11DS0526 | Soil | 2.2                              | 19.3  | 7.1   | 56    | <0.1  | 13.2  | 8.8   | 418   | 2.53  | 4.6   | 0.6   | 8.3   | 5.2   | 45    | <0.1  | 0.3   | 0.2   | 47    | 0.66  | 0.047 |      |
| 11DS0527 | Soil | 3.0                              | 19.4  | 7.9   | 71    | 0.2   | 13.1  | 8.4   | 249   | 2.54  | 4.1   | 1.7   | 3.9   | 6.8   | 25    | <0.1  | 0.3   | 0.1   | 52    | 0.38  | 0.056 |      |
| 11DS0528 | Soil | 2.5                              | 29.7  | 9.7   | 61    | 0.1   | 14.4  | 6.4   | 409   | 2.53  | 5.3   | 1.4   | 10.0  | 6.1   | 35    | <0.1  | 0.3   | 0.2   | 38    | 0.45  | 0.042 |      |
| 11DS0529 | Soil | 2.1                              | 18.7  | 9.7   | 62    | 0.1   | 21.7  | 9.1   | 262   | 3.02  | 10.6  | 0.7   | 5.8   | 5.0   | 14    | 0.1   | 0.5   | 0.2   | 59    | 0.17  | 0.030 |      |
| 11DS0530 | Soil | 0.8                              | 24.0  | 7.4   | 43    | <0.1  | 18.7  | 8.1   | 381   | 2.23  | 5.4   | 1.1   | 7.0   | 5.5   | 21    | <0.1  | 0.4   | 0.1   | 45    | 0.28  | 0.040 |      |
| 11DS0531 | Soil | 0.7                              | 29.9  | 8.3   | 66    | <0.1  | 59.3  | 14.3  | 477   | 3.37  | 2.8   | 1.0   | 2.1   | 6.8   | 46    | 0.1   | 0.5   | <0.1  | 58    | 0.43  | 0.124 |      |
| 11DS0532 | Soil | 1.5                              | 20.7  | 7.1   | 84    | <0.1  | 5.7   | 13.4  | 617   | 4.97  | 5.1   | 0.6   | 0.7   | 2.4   | 24    | <0.1  | 0.4   | 0.1   | 118   | 0.38  | 0.148 |      |
| 11DS0533 | Soil | 1.1                              | 33.8  | 7.1   | 58    | <0.1  | 13.9  | 7.2   | 365   | 2.65  | 4.2   | 1.0   | 19.0  | 7.4   | 22    | <0.1  | 0.3   | 0.1   | 43    | 0.40  | 0.051 |      |
| 11DS0534 | Soil | 1.4                              | 19.1  | 7.5   | 48    | <0.1  | 17.3  | 8.4   | 318   | 2.50  | 7.4   | 0.8   | 20.6  | 5.2   | 20    | <0.1  | 0.4   | 0.1   | 53    | 0.22  | 0.024 |      |
| 11DS0535 | Soil | 0.9                              | 22.4  | 8.5   | 51    | <0.1  | 20.6  | 8.5   | 330   | 2.64  | 7.2   | 0.9   | 4.1   | 6.7   | 25    | <0.1  | 0.4   | 0.1   | 56    | 0.33  | 0.041 |      |
| 11DS0536 | Soil | 1.0                              | 23.1  | 9.2   | 53    | <0.1  | 22.0  | 9.8   | 344   | 2.91  | 8.5   | 0.9   | 17.4  | 8.1   | 21    | <0.1  | 0.4   | 0.1   | 63    | 0.22  | 0.024 |      |
| 11DS0537 | Soil | 1.4                              | 13.3  | 8.0   | 62    | 0.1   | 22.3  | 11.2  | 843   | 3.19  | 4.1   | 0.5   | 2.3   | 8.8   | 14    | <0.1  | 0.3   | <0.1  | 48    | 0.19  | 0.072 |      |
| 11DS0538 | Soil | 1.1                              | 23.2  | 8.6   | 49    | <0.1  | 25.7  | 10.2  | 287   | 2.89  | 8.8   | 0.7   | 6.6   | 6.7   | 20    | <0.1  | 0.6   | 0.1   | 59    | 0.22  | 0.026 |      |
| 11DS0539 | Soil | 1.5                              | 84.7  | 12.7  | 54    | <0.1  | 147.4 | 18.8  | 330   | 3.82  | 3.4   | 1.4   | 2.5   | 11.7  | 60    | <0.1  | 0.4   | 0.3   | 48    | 0.57  | 0.163 |      |
| 11DS0540 | Soil | 1.4                              | 34.8  | 3.9   | 91    | 0.5   | 9.6   | 16.7  | 433   | 4.39  | 2.5   | 0.8   | 6.2   | 2.6   | 29    | <0.1  | 0.2   | <0.1  | 112   | 0.64  | 0.104 |      |
| 11DS0541 | Soil | 1.4                              | 33.6  | 4.8   | 87    | 0.4   | 9.7   | 16.4  | 436   | 4.15  | 2.6   | 0.8   | 7.0   | 2.6   | 31    | <0.1  | 0.2   | <0.1  | 103   | 0.65  | 0.097 |      |



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Project: Mariposa  
Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0512 | Soil                             | 20    | 38    | 0.57  | 213   | 0.075 | <1    | 2.20  | 0.012 | 0.09  | <0.1  | 0.02  | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0513 | Soil                             | 28    | 48    | 0.73  | 355   | 0.098 | 2     | 2.44  | 0.014 | 0.08  | 0.1   | 0.03  | 5.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0514 | Soil                             | 32    | 44    | 0.66  | 356   | 0.109 | <1    | 1.85  | 0.013 | 0.09  | 0.1   | 0.03  | 6.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0515 | Soil                             | 33    | 33    | 0.51  | 300   | 0.083 | 1     | 1.59  | 0.013 | 0.14  | 0.1   | 0.02  | 4.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0516 | Soil                             | 20    | 36    | 0.59  | 345   | 0.071 | 1     | 1.90  | 0.012 | 0.06  | 0.1   | 0.03  | 4.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0517 | Soil                             | 13    | 21    | 0.39  | 145   | 0.070 | 1     | 1.48  | 0.010 | 0.12  | <0.1  | 0.01  | 3.1   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0518 | Soil                             | 19    | 20    | 0.29  | 207   | 0.043 | 1     | 1.49  | 0.007 | 0.08  | <0.1  | <0.01 | 2.8   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0519 | Soil                             | 6     | 42    | 0.89  | 132   | 0.112 | <1    | 2.55  | 0.014 | 0.06  | <0.1  | 0.02  | 3.6   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0520 | Soil                             | 8     | 64    | 0.79  | 172   | 0.094 | <1    | 2.06  | 0.011 | 0.07  | <0.1  | 0.02  | 3.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0521 | Soil                             | 8     | 54    | 0.62  | 147   | 0.079 | <1    | 1.80  | 0.011 | 0.07  | <0.1  | 0.03  | 2.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0522 | Soil                             | 35    | 42    | 0.62  | 353   | 0.077 | <1    | 1.63  | 0.012 | 0.13  | <0.1  | 0.03  | 5.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0523 | Soil                             | 16    | 29    | 0.55  | 321   | 0.056 | <1    | 1.36  | 0.015 | 0.07  | <0.1  | 0.04  | 3.9   | <0.1  | 0.06  | 4     | <0.5  | <0.2  |
| 11DS0524 | Soil                             | 14    | 24    | 0.46  | 212   | 0.054 | <1    | 1.54  | 0.013 | 0.06  | 0.1   | 0.05  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0525 | Soil                             | 43    | 25    | 0.53  | 302   | 0.064 | <1    | 1.68  | 0.014 | 0.09  | 0.1   | 0.04  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0526 | Soil                             | 16    | 23    | 0.51  | 315   | 0.038 | <1    | 1.67  | 0.014 | 0.06  | <0.1  | 0.04  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0527 | Soil                             | 21    | 24    | 0.50  | 322   | 0.081 | <1    | 1.59  | 0.013 | 0.08  | 0.2   | 0.06  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0528 | Soil                             | 29    | 23    | 0.42  | 406   | 0.029 | <1    | 1.67  | 0.010 | 0.08  | <0.1  | 0.03  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0529 | Soil                             | 11    | 34    | 0.48  | 334   | 0.051 | <1    | 2.05  | 0.009 | 0.05  | 0.2   | 0.03  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0530 | Soil                             | 22    | 28    | 0.43  | 561   | 0.046 | <1    | 1.44  | 0.011 | 0.05  | <0.1  | 0.04  | 4.7   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0531 | Soil                             | 36    | 73    | 0.74  | 589   | 0.045 | <1    | 1.84  | 0.008 | 0.11  | <0.1  | 0.07  | 8.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0532 | Soil                             | 6     | 11    | 0.85  | 219   | 0.122 | <1    | 2.23  | 0.018 | 0.31  | 0.1   | 0.01  | 7.1   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS0533 | Soil                             | 30    | 24    | 0.57  | 325   | 0.068 | <1    | 1.59  | 0.010 | 0.14  | <0.1  | 0.02  | 3.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0534 | Soil                             | 16    | 34    | 0.48  | 275   | 0.066 | <1    | 1.58  | 0.010 | 0.05  | <0.1  | 0.02  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0535 | Soil                             | 21    | 35    | 0.55  | 271   | 0.097 | <1    | 1.63  | 0.012 | 0.07  | 0.1   | 0.03  | 5.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0536 | Soil                             | 22    | 40    | 0.55  | 291   | 0.095 | <1    | 1.98  | 0.009 | 0.06  | 0.1   | 0.04  | 5.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0537 | Soil                             | 18    | 35    | 0.60  | 194   | 0.086 | <1    | 1.85  | 0.008 | 0.18  | <0.1  | 0.02  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0538 | Soil                             | 17    | 38    | 0.52  | 376   | 0.073 | <1    | 1.89  | 0.012 | 0.06  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0539 | Soil                             | 76    | 176   | 1.02  | 1070  | 0.049 | <1    | 2.11  | 0.013 | 0.16  | <0.1  | 0.01  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0540 | Soil                             | 12    | 17    | 0.99  | 513   | 0.260 | <1    | 2.27  | 0.018 | 0.70  | <0.1  | 0.03  | 6.9   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0541 | Soil                             | 11    | 19    | 0.96  | 504   | 0.237 | <1    | 2.19  | 0.019 | 0.62  | <0.1  | 0.03  | 6.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |





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**Project:** Mariposa  
**Report Date:** August 31, 2011

**Page:** 4 of 7 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |      |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11DS0542 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0543 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0544 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0545 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0546 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0547 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0548 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0549 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0550 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0551 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0552 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0553 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0554 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0555 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0556 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0557 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0558 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0559 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0560 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0561 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0562 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0563 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0564 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0565 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0566 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0567 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0568 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0569 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0570 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11DS0571 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |



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Project: Mariposa  
Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0542 | Soil                             | 20    | 20    | 0.50  | 339   | 0.059 | <1    | 1.55  | 0.028 | 0.13  | <0.1  | 0.04  | 3.8   | 0.2   | 0.14  | 5     | <0.5  | <0.2  |
| 11DS0543 | Soil                             | 9     | 88    | 1.28  | 254   | 0.169 | <1    | 2.10  | 0.026 | 0.20  | <0.1  | <0.01 | 4.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0544 | Soil                             | 27    | 32    | 0.73  | 232   | 0.097 | <1    | 1.73  | 0.012 | 0.11  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0545 | Soil                             | 5     | 53    | 1.58  | 344   | 0.276 | <1    | 2.38  | 0.020 | 0.77  | <0.1  | 0.01  | 3.9   | 0.5   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0546 | Soil                             | 9     | 26    | 0.83  | 242   | 0.213 | <1    | 1.73  | 0.010 | 0.66  | 0.1   | 0.02  | 4.0   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0547 | Soil                             | 29    | 19    | 0.50  | 253   | 0.091 | <1    | 1.41  | 0.010 | 0.23  | <0.1  | 0.01  | 4.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0548 | Soil                             | 14    | 20    | 0.54  | 245   | 0.071 | <1    | 1.40  | 0.019 | 0.12  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0549 | Soil                             | 5     | 17    | 0.56  | 129   | 0.072 | <1    | 1.65  | 0.009 | 0.10  | <0.1  | 0.03  | 1.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0550 | Soil                             | 6     | 15    | 0.39  | 204   | 0.035 | <1    | 1.27  | 0.008 | 0.14  | <0.1  | 0.02  | 1.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0551 | Soil                             | 13    | 34    | 0.62  | 208   | 0.087 | <1    | 1.66  | 0.016 | 0.09  | 0.1   | 0.03  | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0552 | Soil                             | 8     | 14    | 0.76  | 195   | 0.170 | <1    | 1.82  | 0.016 | 0.30  | <0.1  | 0.02  | 3.6   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0553 | Soil                             | 15    | 16    | 0.61  | 419   | 0.104 | <1    | 1.64  | 0.016 | 0.16  | 0.1   | 0.04  | 3.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0554 | Soil                             | 41    | 8     | 0.24  | 924   | 0.017 | <1    | 1.35  | 0.008 | 0.23  | <0.1  | 0.02  | 6.8   | 0.2   | <0.05 | 4     | <0.5  | 0.4   |
| 11DS0555 | Soil                             | 25    | 38    | 0.49  | 574   | 0.049 | 2     | 1.46  | 0.010 | 0.05  | 0.1   | 0.02  | 5.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0556 | Soil                             | 18    | 24    | 0.40  | 249   | 0.043 | 3     | 1.15  | 0.007 | 0.06  | <0.1  | 0.02  | 2.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0557 | Soil                             | 19    | 32    | 0.88  | 321   | 0.055 | 2     | 2.03  | 0.016 | 0.07  | <0.1  | 0.01  | 5.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0558 | Soil                             | 11    | 31    | 0.45  | 213   | 0.058 | 2     | 1.44  | 0.008 | 0.05  | 0.2   | 0.02  | 3.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0559 | Soil                             | 30    | 20    | 0.44  | 414   | 0.054 | 3     | 1.28  | 0.009 | 0.13  | 0.1   | 0.04  | 4.3   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0560 | Soil                             | 17    | 31    | 0.47  | 251   | 0.059 | 2     | 1.71  | 0.008 | 0.10  | 0.1   | 0.01  | 4.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0561 | Soil                             | 17    | 29    | 0.43  | 238   | 0.054 | 1     | 1.55  | 0.008 | 0.09  | <0.1  | 0.02  | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0562 | Soil                             | 15    | 35    | 0.46  | 356   | 0.042 | 1     | 1.59  | 0.008 | 0.05  | 0.1   | 0.02  | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0563 | Soil                             | 3     | 36    | 1.25  | 191   | 0.119 | 1     | 2.08  | 0.016 | 0.07  | <0.1  | <0.01 | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0564 | Soil                             | 10    | 61    | 0.65  | 189   | 0.032 | 2     | 2.10  | 0.006 | 0.11  | <0.1  | 0.02  | 3.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0565 | Soil                             | 20    | 88    | 1.42  | 339   | 0.105 | 1     | 2.64  | 0.007 | 0.08  | <0.1  | 0.02  | 3.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0566 | Soil                             | 12    | 38    | 0.58  | 208   | 0.029 | 1     | 2.62  | 0.006 | 0.06  | <0.1  | 0.02  | 4.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0567 | Soil                             | 28    | 12    | 1.10  | 383   | 0.136 | <1    | 2.23  | 0.009 | 0.39  | 0.2   | <0.01 | 5.2   | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS0568 | Soil                             | 71    | 17    | 0.71  | 279   | 0.055 | 2     | 1.64  | 0.011 | 0.13  | <0.1  | 0.01  | 5.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0569 | Soil                             | 9     | 12    | 0.73  | 216   | 0.115 | 2     | 2.22  | 0.006 | 0.48  | <0.1  | <0.01 | 3.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0570 | Soil                             | 12    | 28    | 1.16  | 199   | 0.238 | <1    | 2.51  | 0.007 | 0.79  | <0.1  | <0.01 | 2.7   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0571 | Soil                             | 34    | 21    | 0.52  | 336   | 0.031 | <1    | 1.46  | 0.008 | 0.07  | 0.1   | 0.02  | 5.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |



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Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0572 | Soil |                                  | 1.2   | 20.1  | 11.7  | 49    | 0.1   | 16.8  | 9.2   | 318   | 2.68  | 5.1   | 0.6   | 1.5   | 3.9   | 19    | <0.1  | 0.3   | 0.1   | 53    | 0.41  | 0.037 |
| 11DS0573 | Soil |                                  | 0.9   | 33.5  | 6.2   | 59    | <0.1  | 18.8  | 11.9  | 332   | 3.10  | 3.4   | 0.4   | 1.7   | 4.4   | 19    | <0.1  | 0.3   | <0.1  | 56    | 0.30  | 0.033 |
| 11DS0574 | Soil |                                  | 0.7   | 26.8  | 6.0   | 45    | <0.1  | 17.9  | 10.4  | 224   | 2.66  | 5.4   | 0.3   | 0.5   | 2.0   | 14    | <0.1  | 0.3   | <0.1  | 59    | 0.23  | 0.025 |
| 11DS0575 | Soil |                                  | 0.3   | 41.0  | 1.4   | 25    | <0.1  | 9.5   | 8.4   | 185   | 1.39  | 1.1   | 0.2   | <0.5  | 1.4   | 13    | <0.1  | <0.1  | <0.1  | 34    | 0.51  | 0.152 |
| 11DS0576 | Soil |                                  | 1.1   | 32.5  | 14.4  | 58    | <0.1  | 29.5  | 14.7  | 465   | 2.86  | 2.7   | 1.4   | 11.4  | 10.3  | 24    | <0.1  | 0.3   | 0.1   | 69    | 0.33  | 0.036 |
| 11DS0577 | Soil |                                  | 1.5   | 25.1  | 7.0   | 59    | 0.2   | 18.3  | 8.0   | 377   | 2.37  | 3.3   | 1.4   | 18.4  | 4.0   | 37    | <0.1  | 0.4   | <0.1  | 43    | 0.49  | 0.064 |
| 11DS0578 | Soil |                                  | 1.0   | 18.3  | 17.2  | 35    | <0.1  | 14.3  | 5.2   | 423   | 1.72  | 4.0   | 0.8   | 6.5   | 7.6   | 25    | <0.1  | 0.4   | 0.1   | 27    | 0.32  | 0.024 |
| 11DS0579 | Soil |                                  | 1.7   | 25.0  | 13.7  | 67    | 0.2   | 24.3  | 14.7  | 1336  | 3.02  | 6.2   | 1.3   | 18.0  | 4.9   | 41    | 0.2   | 0.4   | 0.2   | 54    | 0.62  | 0.079 |
| 11DS0580 | Soil |                                  | 2.0   | 25.7  | 14.0  | 55    | 0.1   | 19.2  | 7.8   | 308   | 2.40  | 5.6   | 1.7   | 36.6  | 7.5   | 27    | 0.1   | 0.4   | 0.2   | 42    | 0.25  | 0.032 |
| 11DS0581 | Soil |                                  | 1.9   | 26.2  | 18.5  | 55    | 0.1   | 18.3  | 7.8   | 317   | 2.42  | 5.6   | 1.8   | 35.4  | 7.4   | 27    | 0.1   | 0.4   | 0.2   | 41    | 0.25  | 0.032 |
| 11DS0582 | Soil |                                  | 4.1   | 74.8  | 29.6  | 187   | 0.4   | 15.5  | 14.3  | 505   | 3.51  | 8.5   | 4.4   | 47.0  | 5.2   | 91    | 0.7   | 0.6   | 0.4   | 49    | 0.66  | 0.081 |
| 11DS0583 | Soil |                                  | 2.3   | 40.4  | 17.2  | 110   | 0.7   | 11.4  | 11.5  | 302   | 3.26  | 8.1   | 1.3   | 3.3   | 4.0   | 22    | 0.2   | 0.2   | 0.3   | 80    | 0.41  | 0.063 |
| 11DS0584 | Soil |                                  | 1.7   | 36.6  | 14.6  | 96    | 0.8   | 21.2  | 11.5  | 330   | 2.85  | 6.4   | 1.2   | 3.0   | 3.1   | 35    | 0.4   | 0.3   | 0.2   | 64    | 0.69  | 0.062 |
| 11DS0585 | Soil |                                  | 1.2   | 24.7  | 10.5  | 74    | 0.5   | 12.2  | 11.3  | 277   | 2.75  | 4.4   | 0.7   | 0.8   | 1.8   | 25    | 0.1   | 0.2   | 0.2   | 67    | 0.43  | 0.080 |
| 11DS0586 | Soil |                                  | 0.8   | 21.7  | 8.4   | 66    | 0.7   | 11.7  | 9.7   | 178   | 2.42  | 3.5   | 0.7   | 2.3   | 1.8   | 21    | <0.1  | 0.2   | 0.1   | 57    | 0.35  | 0.060 |
| 11DS0587 | Soil |                                  | 0.7   | 20.7  | 7.5   | 52    | 0.6   | 11.5  | 5.7   | 135   | 1.99  | 2.6   | 0.8   | 2.7   | 1.0   | 42    | 0.1   | <0.1  | <0.1  | 36    | 0.31  | 0.057 |
| 11DS0588 | Soil |                                  | 1.2   | 23.1  | 6.7   | 50    | 1.3   | 12.7  | 11.7  | 449   | 2.33  | 2.9   | 1.3   | 5.9   | 1.1   | 65    | 0.2   | 0.2   | <0.1  | 36    | 1.69  | 0.055 |
| 11DS0589 | Soil |                                  | 0.9   | 25.4  | 9.4   | 58    | <0.1  | 25.8  | 11.7  | 426   | 3.02  | 7.6   | 0.8   | 1.7   | 8.3   | 23    | <0.1  | 0.4   | 0.1   | 61    | 0.28  | 0.036 |
| 11DS0590 | Soil |                                  | 0.8   | 31.6  | 7.9   | 63    | <0.1  | 26.3  | 12.4  | 511   | 3.25  | 7.4   | 0.7   | 2.1   | 5.5   | 29    | <0.1  | 0.4   | 0.1   | 67    | 0.35  | 0.048 |
| 11DS0591 | Soil |                                  | 0.7   | 14.1  | 7.2   | 52    | <0.1  | 18.0  | 9.5   | 269   | 2.71  | 8.3   | 0.6   | 1.6   | 8.7   | 15    | 0.1   | 0.5   | 0.1   | 50    | 0.12  | 0.038 |
| 11DS0592 | Soil |                                  | 0.9   | 20.7  | 6.7   | 67    | <0.1  | 16.9  | 8.3   | 286   | 3.11  | 7.8   | 0.5   | 1.3   | 10.4  | 11    | <0.1  | 0.4   | 0.1   | 55    | 0.13  | 0.052 |
| 11DS0593 | Soil |                                  | 0.6   | 15.6  | 5.8   | 63    | <0.1  | 17.3  | 8.8   | 313   | 3.00  | 3.7   | 0.4   | 1.0   | 10.1  | 19    | <0.1  | 0.2   | 0.3   | 45    | 0.22  | 0.031 |
| 11DS0594 | Soil |                                  | 0.9   | 17.9  | 7.4   | 69    | <0.1  | 19.4  | 12.3  | 422   | 3.25  | 3.4   | 0.7   | 1.2   | 13.4  | 23    | <0.1  | 0.2   | <0.1  | 48    | 0.22  | 0.031 |
| 11DS0595 | Soil |                                  | 4.3   | 33.8  | 10.1  | 88    | <0.1  | 23.2  | 11.3  | 636   | 3.80  | 5.9   | 0.8   | 4.8   | 7.9   | 15    | 0.1   | 0.4   | 0.2   | 54    | 0.15  | 0.058 |
| 11DS0596 | Soil |                                  | 2.8   | 20.9  | 7.3   | 68    | <0.1  | 20.6  | 9.5   | 282   | 3.57  | 5.5   | 0.7   | 1.4   | 7.9   | 11    | 0.1   | 0.4   | 0.3   | 47    | 0.11  | 0.040 |
| 11DS0597 | Soil |                                  | 1.3   | 31.5  | 14.7  | 64    | <0.1  | 47.1  | 12.5  | 489   | 3.04  | 5.8   | 1.0   | 3.5   | 11.4  | 44    | <0.1  | 0.4   | 0.2   | 54    | 0.40  | 0.087 |
| 11DS0598 | Soil |                                  | 0.6   | 33.9  | 4.1   | 55    | <0.1  | 9.0   | 8.3   | 442   | 3.21  | 2.1   | 0.9   | 0.9   | 20.8  | 11    | 0.1   | 0.1   | <0.1  | 43    | 0.15  | 0.061 |
| 11DS0599 | Soil |                                  | 1.2   | 16.9  | 7.5   | 61    | 0.1   | 16.5  | 8.7   | 296   | 2.52  | 3.4   | 1.3   | 3.0   | 4.5   | 40    | <0.1  | 0.2   | 0.1   | 51    | 0.46  | 0.097 |
| 11DS0600 | Soil |                                  | 1.1   | 31.0  | 5.0   | 65    | 0.2   | 13.1  | 13.4  | 475   | 3.26  | 1.5   | 1.2   | 1.8   | 3.2   | 31    | 0.2   | 0.2   | <0.1  | 77    | 0.51  | 0.122 |
| 11DS0601 | Soil |                                  | 1.0   | 29.7  | 5.6   | 70    | 0.1   | 13.9  | 14.9  | 527   | 3.48  | 1.6   | 1.0   | 1.6   | 3.5   | 28    | 0.1   | 0.2   | <0.1  | 83    | 0.51  | 0.118 |



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Project: Mariposa  
Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0572 | Soil                             | 15    | 29    | 0.54  | 301   | 0.043 | <1    | 1.63  | 0.010 | 0.06  | 0.1   | 0.03  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0573 | Soil                             | 10    | 29    | 0.72  | 249   | 0.051 | <1    | 1.92  | 0.010 | 0.08  | <0.1  | 0.01  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0574 | Soil                             | 4     | 31    | 0.68  | 156   | 0.065 | 1     | 2.13  | 0.011 | 0.05  | <0.1  | 0.01  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0575 | Soil                             | 3     | 8     | 0.41  | 121   | 0.057 | 1     | 1.36  | 0.031 | 0.11  | <0.1  | <0.01 | 2.0   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0576 | Soil                             | 27    | 73    | 0.65  | 319   | 0.111 | <1    | 1.68  | 0.013 | 0.10  | <0.1  | 0.04  | 7.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0577 | Soil                             | 29    | 24    | 0.39  | 446   | 0.035 | <1    | 1.38  | 0.010 | 0.10  | 0.1   | 0.03  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0578 | Soil                             | 25    | 20    | 0.38  | 407   | 0.020 | 3     | 1.17  | 0.008 | 0.06  | <0.1  | 0.02  | 4.0   | 0.1   | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0579 | Soil                             | 25    | 34    | 0.42  | 1088  | 0.021 | 2     | 1.84  | 0.010 | 0.07  | 0.1   | 0.05  | 4.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0580 | Soil                             | 24    | 31    | 0.37  | 559   | 0.038 | 1     | 1.38  | 0.010 | 0.08  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0581 | Soil                             | 24    | 29    | 0.36  | 558   | 0.032 | <1    | 1.38  | 0.009 | 0.08  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0582 | Soil                             | 21    | 30    | 0.68  | 469   | 0.051 | 1     | 1.50  | 0.010 | 0.23  | <0.1  | 0.03  | 6.3   | 0.2   | <0.05 | 5     | 0.6   | 0.6   |
| 11DS0583 | Soil                             | 14    | 24    | 0.84  | 269   | 0.116 | <1    | 1.84  | 0.013 | 0.28  | 0.1   | 0.03  | 4.5   | 0.3   | <0.05 | 6     | <0.5  | 0.2   |
| 11DS0584 | Soil                             | 14    | 27    | 0.78  | 323   | 0.094 | 1     | 1.78  | 0.017 | 0.12  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0585 | Soil                             | 9     | 21    | 0.67  | 231   | 0.116 | 2     | 1.61  | 0.012 | 0.17  | 0.1   | 0.03  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0586 | Soil                             | 9     | 20    | 0.64  | 202   | 0.108 | <1    | 1.53  | 0.012 | 0.13  | 0.1   | 0.04  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0587 | Soil                             | 9     | 22    | 0.56  | 165   | 0.088 | <1    | 1.41  | 0.013 | 0.12  | <0.1  | 0.03  | 2.2   | 0.2   | 0.07  | 6     | <0.5  | <0.2  |
| 11DS0588 | Soil                             | 16    | 17    | 0.43  | 344   | 0.067 | 3     | 1.31  | 0.015 | 0.08  | <0.1  | 0.06  | 2.8   | 0.1   | 0.14  | 4     | 0.6   | <0.2  |
| 11DS0589 | Soil                             | 23    | 38    | 0.62  | 351   | 0.089 | <1    | 1.93  | 0.009 | 0.09  | 0.1   | 0.02  | 5.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0590 | Soil                             | 23    | 39    | 0.76  | 386   | 0.102 | <1    | 2.01  | 0.011 | 0.11  | 0.1   | 0.04  | 5.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0591 | Soil                             | 12    | 30    | 0.52  | 152   | 0.082 | 2     | 2.10  | 0.011 | 0.10  | 0.1   | 0.04  | 3.3   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11DS0592 | Soil                             | 14    | 22    | 0.58  | 158   | 0.076 | 2     | 2.09  | 0.007 | 0.14  | <0.1  | 0.03  | 2.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0593 | Soil                             | 15    | 28    | 0.80  | 203   | 0.068 | 1     | 2.54  | 0.007 | 0.20  | <0.1  | 0.01  | 3.4   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11DS0594 | Soil                             | 32    | 34    | 0.79  | 697   | 0.062 | 1     | 2.25  | 0.009 | 0.17  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11DS0595 | Soil                             | 24    | 29    | 0.40  | 308   | 0.025 | 1     | 1.65  | 0.007 | 0.10  | 0.1   | 0.01  | 4.3   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11DS0596 | Soil                             | 22    | 27    | 0.43  | 245   | 0.022 | 1     | 2.00  | 0.008 | 0.09  | <0.1  | 0.01  | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0597 | Soil                             | 41    | 67    | 0.94  | 567   | 0.060 | 1     | 1.80  | 0.019 | 0.08  | 0.1   | 0.03  | 6.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0598 | Soil                             | 41    | 19    | 0.75  | 232   | 0.137 | 2     | 1.90  | 0.010 | 0.50  | <0.1  | 0.01  | 4.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0599 | Soil                             | 24    | 32    | 0.54  | 559   | 0.055 | 1     | 1.47  | 0.012 | 0.09  | 0.2   | 0.05  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0600 | Soil                             | 24    | 35    | 1.05  | 416   | 0.114 | 2     | 1.92  | 0.025 | 0.21  | <0.1  | 0.02  | 5.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0601 | Soil                             | 20    | 38    | 1.22  | 384   | 0.137 | 1     | 2.06  | 0.024 | 0.26  | <0.1  | 0.02  | 5.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |



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Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0602 | Soil                             | 0.8   | 24.4  | 6.1   | 59    | <0.1  | 17.1  | 11.8  | 358   | 2.96  | 6.1   | 0.5   | 2.1   | 3.6   | 24    | <0.1  | 0.3   | 0.1   | 66    | 0.37  | 0.072 |
| 11DS0603 | Soil                             | 1.1   | 19.6  | 8.1   | 54    | <0.1  | 19.4  | 11.1  | 317   | 2.84  | 6.1   | 0.5   | 1.8   | 5.4   | 23    | <0.1  | 0.3   | 0.1   | 60    | 0.32  | 0.057 |
| 11DS0604 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11DS0605 | Soil                             | 1.6   | 13.2  | 6.7   | 58    | <0.1  | 11.4  | 7.3   | 297   | 2.33  | 4.1   | 0.8   | 3.1   | 7.3   | 36    | <0.1  | 0.3   | <0.1  | 40    | 0.37  | 0.066 |
| 11DS0606 | Soil                             | 1.4   | 23.9  | 10.4  | 67    | <0.1  | 31.2  | 14.8  | 477   | 3.22  | 3.8   | 0.9   | 8.7   | 6.6   | 38    | <0.1  | 0.2   | 0.1   | 59    | 0.50  | 0.100 |
| 11DS0607 | Soil                             | 0.8   | 49.1  | 5.3   | 81    | <0.1  | 17.4  | 16.8  | 597   | 4.37  | 3.0   | 0.7   | 5.7   | 4.9   | 30    | 0.1   | 0.4   | <0.1  | 79    | 0.59  | 0.121 |
| 11DS0608 | Soil                             | 0.9   | 16.2  | 10.8  | 53    | <0.1  | 13.9  | 6.2   | 305   | 2.28  | 3.5   | 0.9   | 6.8   | 8.4   | 23    | <0.1  | 0.3   | <0.1  | 33    | 0.27  | 0.047 |
| 11DS0609 | Soil                             | 1.4   | 16.5  | 8.8   | 84    | <0.1  | 15.6  | 9.0   | 419   | 3.78  | 5.1   | 1.0   | 68.4  | 10.2  | 29    | <0.1  | 0.5   | 0.1   | 36    | 0.36  | 0.056 |
| 11DS0610 | Soil                             | 1.9   | 12.8  | 14.8  | 51    | <0.1  | 15.2  | 7.6   | 506   | 2.64  | 7.0   | 0.6   | 43.7  | 5.8   | 19    | <0.1  | 0.5   | 0.2   | 51    | 0.19  | 0.034 |
| 11DS0611 | Soil                             | 1.0   | 21.9  | 12.6  | 70    | <0.1  | 14.7  | 8.2   | 349   | 2.86  | 8.1   | 1.0   | 11.7  | 12.6  | 23    | <0.1  | 0.4   | 0.1   | 31    | 0.29  | 0.063 |
| 11DS0612 | Soil                             | 1.5   | 17.3  | 14.4  | 43    | <0.1  | 17.4  | 6.9   | 294   | 2.25  | 5.7   | 0.9   | 21.1  | 12.8  | 24    | <0.1  | 1.5   | <0.1  | 28    | 0.31  | 0.053 |
| 11DS0613 | Soil                             | 2.0   | 27.8  | 9.6   | 38    | 0.3   | 15.2  | 6.9   | 367   | 2.25  | 4.8   | 2.4   | 11.3  | 7.4   | 43    | 0.1   | 0.4   | 0.2   | 38    | 0.63  | 0.036 |
| 11DS0614 | Soil                             | 1.8   | 48.5  | 8.6   | 53    | 0.2   | 9.1   | 4.4   | 132   | 1.96  | 6.2   | 1.0   | 3.4   | 1.4   | 20    | 0.1   | 0.3   | 0.3   | 35    | 0.26  | 0.059 |
| 11DS0615 | Soil                             | 1.1   | 23.4  | 7.5   | 44    | 0.2   | 8.9   | 2.8   | 86    | 1.26  | 8.2   | 0.7   | 4.2   | 0.9   | 18    | 0.1   | 0.2   | 0.7   | 23    | 0.24  | 0.048 |
| 11DS0616 | Soil                             | 0.7   | 28.4  | 9.2   | 38    | 0.2   | 10.3  | 3.0   | 73    | 1.46  | 7.6   | 0.6   | 2.6   | 0.6   | 20    | 0.1   | 0.2   | 0.3   | 20    | 0.23  | 0.055 |
| 11DS0617 | Soil                             | 0.9   | 78.5  | 9.6   | 56    | 0.3   | 13.4  | 4.5   | 134   | 2.00  | 8.5   | 1.2   | 3.9   | 2.0   | 20    | 0.2   | 0.3   | 0.4   | 36    | 0.21  | 0.061 |
| 11DS0618 | Soil                             | 2.6   | 78.6  | 14.6  | 96    | 0.3   | 21.9  | 8.4   | 218   | 2.55  | 13.7  | 1.7   | 3.6   | 7.1   | 26    | 0.3   | 0.6   | 0.4   | 45    | 0.30  | 0.062 |
| 11DS0619 | Soil                             | 2.8   | 32.3  | 13.6  | 88    | 0.2   | 15.8  | 8.9   | 379   | 3.15  | 14.7  | 0.9   | 5.8   | 4.6   | 17    | 0.3   | 0.6   | 0.5   | 59    | 0.20  | 0.055 |
| 11DS0620 | Soil                             | 2.1   | 20.9  | 14.7  | 61    | 0.3   | 12.7  | 5.5   | 229   | 2.94  | 12.8  | 0.5   | 2.1   | 2.6   | 17    | 0.3   | 0.5   | 0.3   | 65    | 0.18  | 0.073 |
| 11DS0621 | Soil                             | 1.7   | 17.6  | 14.6  | 46    | 0.4   | 9.3   | 3.7   | 167   | 2.27  | 8.7   | 0.5   | 1.9   | 2.1   | 17    | 0.3   | 0.3   | 0.4   | 57    | 0.19  | 0.058 |
| 11DS0622 | Soil                             | 2.3   | 32.3  | 11.9  | 93    | 0.1   | 14.5  | 7.5   | 305   | 2.83  | 10.8  | 0.9   | 2.3   | 4.8   | 20    | 0.2   | 0.5   | 0.7   | 57    | 0.26  | 0.043 |
| 11DS0623 | Soil                             | 1.8   | 20.0  | 15.4  | 63    | 0.3   | 13.7  | 5.8   | 214   | 2.40  | 7.9   | 0.8   | 2.8   | 2.4   | 20    | 0.5   | 0.4   | 0.3   | 52    | 0.21  | 0.048 |
| 11DS0624 | Soil                             | 1.2   | 25.7  | 10.4  | 64    | <0.1  | 22.0  | 10.1  | 327   | 2.77  | 9.2   | 1.1   | 6.3   | 5.9   | 24    | 0.1   | 0.5   | 0.2   | 60    | 0.26  | 0.027 |
| 11DS0625 | Soil                             | 1.4   | 33.5  | 12.2  | 82    | <0.1  | 23.8  | 10.9  | 452   | 2.96  | 9.0   | 1.3   | 2.3   | 5.4   | 26    | 0.2   | 0.5   | 0.3   | 59    | 0.37  | 0.050 |
| 11DS0626 | Soil                             | 1.1   | 24.8  | 10.4  | 71    | 0.1   | 18.3  | 8.4   | 312   | 2.64  | 7.4   | 0.8   | 2.1   | 5.6   | 21    | 0.1   | 0.4   | 0.2   | 56    | 0.26  | 0.038 |
| 11DS0627 | Soil                             | 1.2   | 39.7  | 14.3  | 103   | 0.5   | 20.0  | 12.1  | 358   | 3.23  | 7.1   | 0.9   | 6.1   | 5.2   | 22    | 0.3   | 0.4   | 0.7   | 70    | 0.24  | 0.027 |
| 11DS0628 | Soil                             | 1.5   | 40.9  | 29.7  | 107   | 0.2   | 15.1  | 20.0  | 858   | 5.40  | 5.7   | 0.4   | 0.8   | 1.8   | 20    | 0.2   | 0.3   | 0.4   | 133   | 0.37  | 0.066 |
| 11DS0629 | Soil                             | 0.8   | 24.4  | 9.8   | 94    | <0.1  | 11.9  | 19.4  | 586   | 4.47  | 2.8   | 0.8   | 1.0   | 3.3   | 34    | <0.1  | 0.2   | <0.1  | 84    | 0.50  | 0.065 |
| 11DS0630 | Soil                             | 0.7   | 25.3  | 9.2   | 74    | <0.1  | 16.1  | 14.9  | 305   | 3.75  | 5.9   | 0.5   | 1.5   | 2.4   | 25    | <0.1  | 0.3   | 0.1   | 108   | 0.32  | 0.050 |
| 11DS0631 | Soil                             | 2.0   | 12.2  | 8.8   | 43    | <0.1  | 7.4   | 6.9   | 481   | 2.29  | 4.5   | 0.5   | 2.9   | 1.2   | 17    | <0.1  | 0.2   | 0.1   | 55    | 0.13  | 0.044 |



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Project: Mariposa  
Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0602 | Soil                             | 14    | 31    | 0.75  | 290   | 0.089 | 2     | 2.01  | 0.015 | 0.07  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0603 | Soil                             | 17    | 36    | 0.71  | 250   | 0.084 | 1     | 1.80  | 0.013 | 0.07  | 0.1   | 0.01  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0604 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11DS0605 | Soil                             | 18    | 20    | 0.47  | 339   | 0.067 | <1    | 1.28  | 0.010 | 0.11  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0606 | Soil                             | 21    | 51    | 0.83  | 440   | 0.072 | 1     | 1.71  | 0.016 | 0.11  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0607 | Soil                             | 18    | 24    | 0.88  | 541   | 0.059 | 1     | 1.93  | 0.017 | 0.18  | <0.1  | 0.01  | 8.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0608 | Soil                             | 32    | 20    | 0.36  | 547   | 0.040 | <1    | 1.15  | 0.012 | 0.09  | <0.1  | 0.02  | 3.8   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0609 | Soil                             | 32    | 19    | 0.61  | 746   | 0.053 | 2     | 2.04  | 0.010 | 0.32  | 0.2   | 0.03  | 5.8   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0610 | Soil                             | 21    | 26    | 0.36  | 372   | 0.049 | 1     | 1.34  | 0.007 | 0.09  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11DS0611 | Soil                             | 32    | 19    | 0.33  | 422   | 0.017 | 1     | 1.48  | 0.008 | 0.10  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0612 | Soil                             | 37    | 30    | 0.29  | 702   | 0.027 | 2     | 0.98  | 0.013 | 0.11  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0613 | Soil                             | 91    | 25    | 0.32  | 1063  | 0.030 | 2     | 1.33  | 0.011 | 0.10  | 0.1   | 0.05  | 6.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0614 | Soil                             | 14    | 20    | 0.36  | 159   | 0.052 | 2     | 1.28  | 0.010 | 0.07  | 0.1   | 0.04  | 1.8   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11DS0615 | Soil                             | 10    | 19    | 0.27  | 89    | 0.039 | 1     | 1.02  | 0.011 | 0.04  | 0.2   | 0.04  | 1.5   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0616 | Soil                             | 8     | 22    | 0.24  | 112   | 0.042 | 1     | 1.03  | 0.011 | 0.03  | 0.1   | 0.05  | 1.5   | <0.1  | <0.05 | 4     | 0.8   | <0.2  |
| 11DS0617 | Soil                             | 18    | 27    | 0.38  | 167   | 0.048 | 1     | 1.51  | 0.010 | 0.05  | 0.1   | 0.06  | 2.5   | 0.1   | <0.05 | 5     | 0.8   | <0.2  |
| 11DS0618 | Soil                             | 35    | 32    | 0.55  | 298   | 0.057 | 1     | 1.78  | 0.013 | 0.08  | 0.1   | 0.05  | 3.6   | 0.1   | <0.05 | 6     | 0.7   | 0.3   |
| 11DS0619 | Soil                             | 15    | 29    | 0.50  | 195   | 0.071 | 2     | 2.04  | 0.011 | 0.09  | 0.2   | 0.04  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0620 | Soil                             | 13    | 25    | 0.35  | 185   | 0.071 | <1    | 1.64  | 0.008 | 0.07  | 0.2   | 0.03  | 2.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0621 | Soil                             | 12    | 20    | 0.25  | 173   | 0.070 | 1     | 1.32  | 0.009 | 0.07  | 0.1   | 0.02  | 1.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0622 | Soil                             | 16    | 27    | 0.51  | 239   | 0.092 | <1    | 1.70  | 0.010 | 0.11  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0623 | Soil                             | 12    | 27    | 0.35  | 188   | 0.073 | 1     | 1.63  | 0.011 | 0.07  | 0.1   | 0.04  | 2.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0624 | Soil                             | 20    | 36    | 0.57  | 259   | 0.088 | 1     | 1.77  | 0.016 | 0.05  | 0.2   | 0.02  | 4.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0625 | Soil                             | 20    | 38    | 0.64  | 332   | 0.106 | 1     | 1.83  | 0.015 | 0.12  | 0.2   | 0.03  | 5.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0626 | Soil                             | 17    | 31    | 0.58  | 210   | 0.095 | 1     | 1.70  | 0.013 | 0.07  | 0.2   | 0.01  | 3.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0627 | Soil                             | 15    | 32    | 0.83  | 279   | 0.137 | 1     | 2.39  | 0.013 | 0.14  | 0.1   | 0.05  | 5.4   | 0.3   | <0.05 | 6     | <0.5  | 0.5   |
| 11DS0628 | Soil                             | 5     | 26    | 1.31  | 187   | 0.125 | <1    | 2.98  | 0.016 | 0.20  | 0.1   | 0.01  | 8.2   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0629 | Soil                             | 13    | 18    | 1.28  | 198   | 0.112 | 1     | 2.54  | 0.014 | 0.12  | <0.1  | <0.01 | 7.0   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0630 | Soil                             | 9     | 27    | 0.97  | 198   | 0.185 | 1     | 2.88  | 0.014 | 0.19  | 0.1   | 0.01  | 4.5   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0631 | Soil                             | 14    | 17    | 0.31  | 288   | 0.047 | <1    | 1.57  | 0.008 | 0.07  | <0.1  | 0.02  | 2.7   | 0.1   | 0.05  | 8     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11DS0632 | Soil                             | 0.7        | 27.6       | 7.6        | 91       | <0.1       | 19.5       | 15.1       | 495      | 4.16      | 4.6        | 0.7        | 2.7        | 5.4        | 47       | <0.1       | 0.3        | <0.1       | 84       | 0.35      |
| 11DS0633 | Soil                             | 3.1        | 21.9       | 6.4        | 46       | <0.1       | 10.1       | 5.2        | 199      | 2.36      | 3.5        | 0.4        | 0.6        | 4.3        | 15       | <0.1       | 0.2        | <0.1       | 40       | 0.13      |
| 11DS0634 | Soil                             | 1.9        | 24.3       | 10.0       | 73       | <0.1       | 18.3       | 11.1       | 397      | 3.67      | 6.6        | 1.0        | 4.6        | 8.6        | 16       | <0.1       | 0.5        | 0.1        | 64       | 0.14      |
| 11DS0635 | Soil                             | 1.1        | 21.0       | 13.3       | 79       | <0.1       | 18.6       | 11.1       | 279      | 4.08      | 3.2        | 0.7        | 1.1        | 7.3        | 19       | <0.1       | 0.3        | <0.1       | 47       | 0.18      |
| 11DS0636 | Soil                             | 4.4        | 18.4       | 7.7        | 88       | <0.1       | 15.6       | 9.1        | 445      | 3.45      | 4.8        | 0.8        | 1.6        | 10.2       | 19       | 0.1        | 0.6        | <0.1       | 55       | 0.20      |
| 11DS0637 | Soil                             | 0.8        | 17.5       | 3.9        | 122      | <0.1       | 18.3       | 16.9       | 682      | 4.28      | 1.3        | 1.0        | 0.6        | 11.3       | 47       | <0.1       | 0.1        | <0.1       | 71       | 0.67      |
| 11DS0638 | Soil                             | 2.0        | 25.1       | 7.0        | 54       | 0.1        | 21.4       | 7.8        | 337      | 2.46      | 1.9        | 1.8        | 2.0        | 7.8        | 32       | 0.1        | 0.2        | <0.1       | 41       | 0.26      |
| 11DS0639 | Soil                             | 0.8        | 25.0       | 5.3        | 69       | 0.1        | 19.6       | 8.1        | 325      | 2.74      | 1.5        | 1.7        | 6.7        | 4.9        | 51       | 0.1        | 0.2        | <0.1       | 43       | 0.61      |
| 11DS0640 | Soil                             | 0.8        | 26.7       | 3.3        | 81       | <0.1       | 5.7        | 9.6        | 559      | 3.28      | 0.8        | 0.8        | 5.0        | 11.1       | 35       | <0.1       | 0.1        | <0.1       | 50       | 0.46      |
| 11DS0641 | Soil                             | 0.7        | 26.0       | 2.7        | 84       | <0.1       | 6.0        | 9.3        | 551      | 3.32      | 0.7        | 0.8        | 3.7        | 9.9        | 32       | <0.1       | 0.1        | <0.1       | 52       | 0.42      |
| 11DS0642 | Soil                             | 0.5        | 34.1       | 2.6        | 106      | <0.1       | 9.0        | 12.4       | 641      | 4.11      | 1.1        | 0.6        | 2.4        | 10.1       | 37       | <0.1       | 0.2        | <0.1       | 66       | 0.48      |
| 11DS0643 | Soil                             | 0.9        | 22.2       | 5.8        | 57       | <0.1       | 15.7       | 13.4       | 439      | 2.85      | 5.4        | 0.4        | 4.2        | 3.7        | 21       | <0.1       | 0.3        | <0.1       | 56       | 0.30      |
| 11DS0644 | Soil                             | 1.0        | 25.6       | 4.5        | 56       | <0.1       | 19.1       | 12.5       | 359      | 3.03      | 3.1        | 0.6        | 6.2        | 2.8        | 30       | <0.1       | 0.2        | <0.1       | 73       | 0.46      |
| 11DS0645 | Soil                             | 3.4        | 30.7       | 6.1        | 53       | 0.1        | 17.8       | 10.8       | 382      | 2.72      | 4.6        | 2.0        | 3.4        | 5.7        | 52       | <0.1       | 0.3        | <0.1       | 53       | 0.43      |
| 11DS0646 | Soil                             | 8.9        | 17.6       | 6.1        | 48       | 0.1        | 13.5       | 15.6       | 988      | 2.69      | 3.4        | 2.3        | 2.2        | 4.4        | 76       | 0.1        | 0.2        | <0.1       | 50       | 0.78      |
| 11DS0647 | Soil                             | 2.8        | 28.4       | 11.0       | 65       | 0.1        | 15.8       | 11.5       | 481      | 3.30      | 4.7        | 2.5        | 2.9        | 9.3        | 51       | 0.1        | 0.4        | 0.1        | 55       | 0.53      |
| 11DS0648 | Soil                             | 1.3        | 17.2       | 9.5        | 56       | 0.1        | 12.8       | 8.7        | 370      | 2.40      | 3.5        | 1.0        | 2.7        | 3.5        | 40       | <0.1       | 0.2        | 0.1        | 45       | 0.48      |
| 11DS0649 | Soil                             | 1.3        | 93.0       | 13.2       | 91       | <0.1       | 18.8       | 7.3        | 362      | 3.52      | 2.6        | 1.2        | 15.4       | 15.7       | 44       | <0.1       | 0.7        | 0.1        | 35       | 0.38      |
| 11DS0650 | Soil                             | 0.9        | 59.4       | 6.1        | 70       | 0.1        | 21.5       | 14.3       | 439      | 3.47      | 3.5        | 1.1        | 8.3        | 7.4        | 39       | <0.1       | 0.4        | 0.1        | 62       | 0.64      |
| 11DS0651 | Soil                             | 0.9        | 12.4       | 9.2        | 49       | <0.1       | 11.6       | 6.3        | 241      | 2.81      | 5.6        | 0.5        | 2.9        | 6.0        | 15       | <0.1       | 0.3        | 0.1        | 42       | 0.18      |
| 11DS0652 | Soil                             | 1.4        | 11.7       | 10.7       | 45       | 0.1        | 10.2       | 4.7        | 192      | 2.73      | 8.1        | 0.4        | 10.8       | 3.5        | 13       | 0.1        | 0.4        | 0.2        | 62       | 0.15      |
| 11DS0653 | Soil                             | 1.8        | 17.4       | 9.3        | 60       | <0.1       | 24.1       | 8.5        | 430      | 2.81      | 4.7        | 1.0        | 13.4       | 8.5        | 24       | 0.1        | 0.5        | 0.1        | 34       | 0.30      |
| 11DS0654 | Soil                             | 1.3        | 12.1       | 15.3       | 48       | <0.1       | 32.0       | 9.1        | 306      | 2.55      | 4.4        | 0.5        | 14.5       | 4.7        | 19       | 0.2        | 0.4        | 0.1        | 54       | 0.22      |
| 11DS0655 | Soil                             | 3.4        | 16.6       | 8.9        | 54       | 0.1        | 16.1       | 9.8        | 856      | 2.28      | 3.8        | 4.5        | 2.9        | 5.1        | 39       | 0.2        | 0.3        | 0.1        | 45       | 0.43      |
| 11DS0656 | Soil                             | 2.9        | 15.7       | 13.6       | 56       | <0.1       | 13.6       | 11.7       | 822      | 2.57      | 6.5        | 0.9        | 3.3        | 3.2        | 26       | 0.1        | 0.3        | 0.2        | 56       | 0.31      |
| 11DS0657 | Soil                             | 1.7        | 11.9       | 9.8        | 47       | <0.1       | 12.6       | 7.1        | 217      | 2.09      | 5.6        | 0.7        | 11.6       | 2.9        | 23       | 0.1        | 0.3        | 0.1        | 42       | 0.29      |
| 11DS0658 | Soil                             | 2.1        | 15.8       | 9.3        | 49       | 0.1        | 15.8       | 8.0        | 256      | 2.31      | 6.0        | 1.5        | 3.9        | 4.4        | 31       | 0.1        | 0.3        | 0.1        | 44       | 0.39      |
| 11DS0659 | Soil                             | 2.2        | 28.1       | 8.1        | 51       | 0.1        | 16.3       | 9.7        | 415      | 2.24      | 6.6        | 0.9        | 3.4        | 3.1        | 32       | 0.1        | 0.3        | 0.2        | 42       | 0.52      |
| 11DS0660 | Soil                             | 4.1        | 98.6       | 11.0       | 81       | 0.4        | 11.4       | 7.1        | 309      | 2.34      | 51.0       | 1.3        | 2.2        | 1.7        | 22       | 0.1        | 0.9        | 0.6        | 31       | 0.23      |
| 11DS0661 | Soil                             | 4.3        | 97.8       | 10.0       | 70       | 0.4        | 10.7       | 7.4        | 323      | 2.27      | 52.0       | 1.3        | 4.2        | 1.3        | 24       | 0.2        | 1.0        | 0.6        | 31       | 0.24      |





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**Project:** Mariposa  
**Report Date:** August 31, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000993.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0632 | Soil                             | 22    | 37    | 1.13  | 426   | 0.170 | <1    | 2.67  | 0.012 | 0.25  | <0.1  | 0.02  | 6.1   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS0633 | Soil                             | 19    | 16    | 0.41  | 433   | 0.024 | <1    | 1.47  | 0.008 | 0.07  | <0.1  | <0.01 | 1.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0634 | Soil                             | 21    | 32    | 0.61  | 202   | 0.066 | <1    | 2.39  | 0.011 | 0.12  | <0.1  | 0.02  | 4.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0635 | Soil                             | 28    | 26    | 0.34  | 667   | 0.008 | <1    | 1.56  | 0.007 | 0.08  | <0.1  | <0.01 | 4.2   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0636 | Soil                             | 24    | 25    | 0.54  | 316   | 0.052 | <1    | 2.01  | 0.010 | 0.15  | 0.2   | 0.01  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0637 | Soil                             | 37    | 34    | 1.20  | 603   | 0.112 | <1    | 2.40  | 0.024 | 0.31  | <0.1  | <0.01 | 6.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0638 | Soil                             | 32    | 35    | 0.49  | 321   | 0.045 | <1    | 1.53  | 0.009 | 0.12  | <0.1  | 0.03  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0639 | Soil                             | 30    | 24    | 0.55  | 561   | 0.057 | <1    | 1.40  | 0.019 | 0.20  | <0.1  | 0.03  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0640 | Soil                             | 30    | 9     | 0.73  | 819   | 0.095 | <1    | 1.62  | 0.010 | 0.51  | <0.1  | <0.01 | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0641 | Soil                             | 29    | 10    | 0.73  | 817   | 0.109 | <1    | 1.61  | 0.010 | 0.54  | <0.1  | <0.01 | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0642 | Soil                             | 23    | 19    | 0.93  | 659   | 0.143 | <1    | 1.95  | 0.011 | 0.49  | <0.1  | <0.01 | 5.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0643 | Soil                             | 10    | 28    | 0.71  | 272   | 0.075 | <1    | 1.69  | 0.015 | 0.12  | <0.1  | 0.01  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0644 | Soil                             | 10    | 36    | 0.95  | 378   | 0.089 | <1    | 1.84  | 0.015 | 0.25  | <0.1  | <0.01 | 4.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0645 | Soil                             | 31    | 29    | 0.63  | 471   | 0.069 | <1    | 1.67  | 0.014 | 0.08  | <0.1  | 0.03  | 5.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0646 | Soil                             | 27    | 25    | 0.66  | 451   | 0.073 | <1    | 1.45  | 0.027 | 0.08  | 0.1   | 0.03  | 4.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0647 | Soil                             | 26    | 27    | 0.67  | 643   | 0.095 | <1    | 1.99  | 0.011 | 0.19  | <0.1  | 0.02  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0648 | Soil                             | 21    | 23    | 0.40  | 758   | 0.032 | <1    | 1.22  | 0.010 | 0.09  | <0.1  | 0.02  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0649 | Soil                             | 45    | 33    | 0.52  | 415   | 0.059 | <1    | 1.50  | 0.009 | 0.20  | <0.1  | 0.02  | 4.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0650 | Soil                             | 48    | 32    | 0.86  | 741   | 0.069 | <1    | 1.87  | 0.012 | 0.19  | <0.1  | 0.03  | 6.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0651 | Soil                             | 19    | 19    | 0.33  | 289   | 0.022 | <1    | 1.44  | 0.006 | 0.08  | <0.1  | 0.01  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0652 | Soil                             | 12    | 24    | 0.31  | 168   | 0.048 | <1    | 1.45  | 0.007 | 0.07  | <0.1  | 0.02  | 2.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0653 | Soil                             | 27    | 29    | 0.33  | 624   | 0.022 | <1    | 1.19  | 0.009 | 0.08  | <0.1  | 0.02  | 4.5   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11DS0654 | Soil                             | 21    | 69    | 0.49  | 364   | 0.057 | <1    | 1.16  | 0.009 | 0.09  | <0.1  | 0.01  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0655 | Soil                             | 26    | 28    | 0.44  | 444   | 0.045 | <1    | 1.70  | 0.012 | 0.05  | <0.1  | 0.05  | 4.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0656 | Soil                             | 18    | 28    | 0.39  | 338   | 0.041 | <1    | 1.52  | 0.010 | 0.07  | <0.1  | 0.02  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0657 | Soil                             | 14    | 25    | 0.40  | 208   | 0.044 | <1    | 1.42  | 0.009 | 0.06  | 0.1   | 0.03  | 2.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0658 | Soil                             | 21    | 27    | 0.38  | 327   | 0.046 | <1    | 1.57  | 0.011 | 0.04  | 0.1   | 0.04  | 3.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0659 | Soil                             | 15    | 24    | 0.41  | 306   | 0.046 | <1    | 1.38  | 0.011 | 0.04  | 0.2   | 0.04  | 3.5   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0660 | Soil                             | 17    | 18    | 0.30  | 187   | 0.027 | <1    | 1.37  | 0.010 | 0.13  | 0.1   | 0.04  | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0661 | Soil                             | 18    | 18    | 0.30  | 201   | 0.025 | <1    | 1.37  | 0.010 | 0.12  | 0.1   | 0.04  | 2.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: August 31, 2011

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## QUALITY CONTROL REPORT

WHI11000993.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11DS0490            | Soil                             | 1.3   | 19.0  | 6.6   | 50    | <0.1  | 14.4  | 9.6   | 275   | 2.39  | 4.4   | 0.7   | 3.4   | 1.6   | 34    | 0.1   | 0.2   | 0.1   | 56    | 0.51  | 0.059 |
| REP 11DS0490        | QC                               | 1.5   | 20.1  | 7.0   | 53    | <0.1  | 15.3  | 10.0  | 291   | 2.50  | 4.9   | 0.7   | 1.6   | 1.7   | 36    | <0.1  | 0.2   | 0.1   | 58    | 0.55  | 0.062 |
| 11DS0516            | Soil                             | 1.0   | 24.9  | 8.4   | 55    | <0.1  | 21.0  | 8.3   | 317   | 2.75  | 8.6   | 1.0   | 20.8  | 5.1   | 21    | <0.1  | 0.4   | 0.1   | 59    | 0.26  | 0.040 |
| REP 11DS0516        | QC                               | 0.9   | 24.8  | 7.9   | 52    | <0.1  | 20.7  | 8.0   | 313   | 2.62  | 8.0   | 1.0   | 20.9  | 5.1   | 20    | <0.1  | 0.4   | 0.1   | 59    | 0.26  | 0.036 |
| 11DS0535            | Soil                             | 0.9   | 22.4  | 8.5   | 51    | <0.1  | 20.6  | 8.5   | 330   | 2.64  | 7.2   | 0.9   | 4.1   | 6.7   | 25    | <0.1  | 0.4   | 0.1   | 56    | 0.33  | 0.041 |
| REP 11DS0535        | QC                               | 1.0   | 23.4  | 8.9   | 52    | <0.1  | 21.1  | 8.4   | 336   | 2.67  | 7.6   | 1.0   | 5.2   | 6.7   | 25    | <0.1  | 0.4   | 0.1   | 57    | 0.35  | 0.042 |
| 11DS0546            | Soil                             | 1.2   | 13.4  | 5.8   | 75    | <0.1  | 21.4  | 11.0  | 710   | 3.47  | 2.4   | 0.5   | <0.5  | 4.1   | 16    | 0.1   | 0.2   | <0.1  | 82    | 0.21  | 0.051 |
| REP 11DS0546        | QC                               | 1.2   | 13.4  | 5.9   | 74    | <0.1  | 20.6  | 10.9  | 706   | 3.44  | 2.5   | 0.5   | 1.3   | 4.2   | 16    | 0.2   | 0.2   | 0.1   | 81    | 0.21  | 0.050 |
| 11DS0563            | Soil                             | 0.8   | 35.0  | 3.7   | 59    | <0.1  | 17.8  | 15.8  | 474   | 3.29  | 4.8   | 0.3   | <0.5  | 1.3   | 19    | <0.1  | 0.3   | <0.1  | 75    | 0.42  | 0.080 |
| REP 11DS0563        | QC                               | 1.0   | 36.8  | 4.1   | 60    | <0.1  | 17.9  | 16.0  | 492   | 3.36  | 4.9   | 0.3   | 0.9   | 1.4   | 20    | <0.1  | 0.3   | <0.1  | 79    | 0.44  | 0.082 |
| 11DS0583            | Soil                             | 2.3   | 40.4  | 17.2  | 110   | 0.7   | 11.4  | 11.5  | 302   | 3.26  | 8.1   | 1.3   | 3.3   | 4.0   | 22    | 0.2   | 0.2   | 0.3   | 80    | 0.41  | 0.063 |
| REP 11DS0583        | QC                               | 2.3   | 39.5  | 16.6  | 109   | 0.7   | 11.3  | 11.4  | 302   | 3.28  | 7.6   | 1.3   | 3.1   | 4.1   | 22    | 0.2   | 0.2   | 0.3   | 79    | 0.40  | 0.062 |
| 11DS0595            | Soil                             | 4.3   | 33.8  | 10.1  | 88    | <0.1  | 23.2  | 11.3  | 636   | 3.80  | 5.9   | 0.8   | 4.8   | 7.9   | 15    | 0.1   | 0.4   | 0.2   | 54    | 0.15  | 0.058 |
| REP 11DS0595        | QC                               | 4.5   | 35.0  | 9.3   | 89    | <0.1  | 23.4  | 11.5  | 607   | 3.89  | 6.0   | 0.8   | 3.3   | 8.3   | 15    | 0.1   | 0.4   | 0.2   | 51    | 0.15  | 0.054 |
| 11DS0624            | Soil                             | 1.2   | 25.7  | 10.4  | 64    | <0.1  | 22.0  | 10.1  | 327   | 2.77  | 9.2   | 1.1   | 6.3   | 5.9   | 24    | 0.1   | 0.5   | 0.2   | 60    | 0.26  | 0.027 |
| REP 11DS0624        | QC                               | 1.1   | 25.5  | 11.0  | 64    | <0.1  | 20.7  | 10.0  | 339   | 2.74  | 9.2   | 1.1   | 3.4   | 5.9   | 23    | 0.1   | 0.5   | 0.2   | 59    | 0.25  | 0.027 |
| 11DS0639            | Soil                             | 0.8   | 25.0  | 5.3   | 69    | 0.1   | 19.6  | 8.1   | 325   | 2.74  | 1.5   | 1.7   | 6.7   | 4.9   | 51    | 0.1   | 0.2   | <0.1  | 43    | 0.61  | 0.110 |
| REP 11DS0639        | QC                               | 0.7   | 23.8  | 5.0   | 66    | 0.2   | 19.1  | 8.0   | 310   | 2.67  | 1.2   | 1.6   | 3.7   | 5.0   | 50    | 0.2   | 0.2   | <0.1  | 42    | 0.59  | 0.109 |
| 11DS0650            | Soil                             | 0.9   | 59.4  | 6.1   | 70    | 0.1   | 21.5  | 14.3  | 439   | 3.47  | 3.5   | 1.1   | 8.3   | 7.4   | 39    | <0.1  | 0.4   | 0.1   | 62    | 0.64  | 0.127 |
| REP 11DS0650        | QC                               | 0.8   | 58.8  | 6.1   | 68    | 0.1   | 21.3  | 14.3  | 446   | 3.49  | 3.3   | 1.2   | 10.4  | 7.6   | 40    | <0.1  | 0.5   | 0.1   | 64    | 0.63  | 0.131 |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard                         | 13.2  | 107.7 | 125.8 | 311   | 1.9   | 37.8  | 7.5   | 618   | 2.47  | 26.4  | 2.7   | 121.1 | 6.9   | 67    | 2.4   | 6.0   | 6.4   | 44    | 0.71  | 0.085 |
| STD DS8             | Standard                         | 12.0  | 103.9 | 121.5 | 307   | 1.6   | 37.3  | 7.4   | 564   | 2.34  | 25.5  | 2.7   | 109.7 | 6.3   | 57    | 2.4   | 5.0   | 6.3   | 41    | 0.67  | 0.074 |
| STD DS8             | Standard                         | 14.4  | 116.5 | 127.3 | 313   | 1.9   | 41.1  | 8.0   | 637   | 2.51  | 25.2  | 3.1   | 111.8 | 7.4   | 74    | 2.4   | 6.0   | 6.8   | 46    | 0.72  | 0.078 |
| STD DS8             | Standard                         | 12.0  | 113.2 | 120.8 | 303   | 1.7   | 38.5  | 7.7   | 570   | 2.32  | 24.1  | 2.6   | 103.6 | 6.0   | 58    | 2.3   | 4.9   | 6.1   | 42    | 0.62  | 0.075 |
| STD DS8             | Standard                         | 13.6  | 125.6 | 126.4 | 323   | 1.7   | 43.1  | 8.3   | 634   | 2.59  | 26.3  | 2.7   | 108.1 | 6.4   | 62    | 2.5   | 5.5   | 6.4   | 45    | 0.70  | 0.084 |
| STD DS8             | Standard                         | 11.8  | 107.4 | 123.5 | 335   | 1.8   | 40.3  | 7.2   | 610   | 2.41  | 24.4  | 2.8   | 114.6 | 7.0   | 67    | 2.4   | 5.2   | 6.6   | 43    | 0.70  | 0.079 |
| STD DS8             | Standard                         | 11.7  | 103.1 | 111.3 | 286   | 1.6   | 34.7  | 6.8   | 568   | 2.25  | 22.8  | 2.4   | 88.3  | 6.1   | 62    | 2.2   | 5.0   | 6.0   | 39    | 0.64  | 0.072 |



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Report Date: August 31, 2011

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## QUALITY CONTROL REPORT

WHI11000993.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11DS0490            | Soil                             | 10    | 30    | 0.58  | 194   | 0.053 | <1    | 1.66  | 0.018 | 0.04  | 0.1   | 0.01  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11DS0490        | QC                               | 10    | 31    | 0.63  | 208   | 0.055 | <1    | 1.71  | 0.020 | 0.04  | 0.1   | 0.03  | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0516            | Soil                             | 20    | 36    | 0.59  | 345   | 0.071 | 1     | 1.90  | 0.012 | 0.06  | 0.1   | 0.03  | 4.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11DS0516        | QC                               | 20    | 36    | 0.56  | 338   | 0.074 | 2     | 1.79  | 0.011 | 0.06  | 0.1   | 0.03  | 4.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0535            | Soil                             | 21    | 35    | 0.55  | 271   | 0.097 | <1    | 1.63  | 0.012 | 0.07  | 0.1   | 0.03  | 5.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11DS0535        | QC                               | 21    | 36    | 0.56  | 276   | 0.098 | <1    | 1.65  | 0.012 | 0.07  | 0.1   | 0.04  | 5.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0546            | Soil                             | 9     | 26    | 0.83  | 242   | 0.213 | <1    | 1.73  | 0.010 | 0.66  | 0.1   | 0.02  | 4.0   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11DS0546        | QC                               | 9     | 26    | 0.82  | 240   | 0.213 | <1    | 1.75  | 0.011 | 0.67  | 0.1   | 0.01  | 4.0   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0563            | Soil                             | 3     | 36    | 1.25  | 191   | 0.119 | 1     | 2.08  | 0.016 | 0.07  | <0.1  | <0.01 | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| REP 11DS0563        | QC                               | 4     | 36    | 1.28  | 196   | 0.141 | <1    | 2.15  | 0.018 | 0.08  | <0.1  | <0.01 | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0583            | Soil                             | 14    | 24    | 0.84  | 269   | 0.116 | <1    | 1.84  | 0.013 | 0.28  | 0.1   | 0.03  | 4.5   | 0.3   | <0.05 | 6     | <0.5  | 0.2   |
| REP 11DS0583        | QC                               | 14    | 23    | 0.84  | 267   | 0.116 | <1    | 1.86  | 0.013 | 0.27  | 0.1   | 0.03  | 4.6   | 0.3   | <0.05 | 6     | 0.6   | <0.2  |
| 11DS0595            | Soil                             | 24    | 29    | 0.40  | 308   | 0.025 | 1     | 1.65  | 0.007 | 0.10  | 0.1   | 0.01  | 4.3   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| REP 11DS0595        | QC                               | 26    | 28    | 0.39  | 325   | 0.026 | 1     | 1.59  | 0.010 | 0.10  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11DS0624            | Soil                             | 20    | 36    | 0.57  | 259   | 0.088 | 1     | 1.77  | 0.016 | 0.05  | 0.2   | 0.02  | 4.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11DS0624        | QC                               | 19    | 35    | 0.57  | 263   | 0.080 | 1     | 1.75  | 0.013 | 0.05  | 0.1   | 0.02  | 5.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0639            | Soil                             | 30    | 24    | 0.55  | 561   | 0.057 | <1    | 1.40  | 0.019 | 0.20  | <0.1  | 0.03  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11DS0639        | QC                               | 29    | 23    | 0.55  | 529   | 0.058 | <1    | 1.43  | 0.018 | 0.19  | <0.1  | 0.04  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0650            | Soil                             | 48    | 32    | 0.86  | 741   | 0.069 | <1    | 1.87  | 0.012 | 0.19  | <0.1  | 0.03  | 6.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11DS0650        | QC                               | 48    | 31    | 0.86  | 744   | 0.067 | <1    | 1.80  | 0.012 | 0.19  | <0.1  | 0.04  | 7.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard                         | 15    | 118   | 0.62  | 306   | 0.117 | 3     | 0.94  | 0.095 | 0.43  | 3.2   | 0.20  | 2.5   | 5.5   | 0.15  | 5     | 5.8   | 5.0   |
| STD DS8             | Standard                         | 13    | 113   | 0.59  | 265   | 0.108 | 3     | 0.93  | 0.082 | 0.40  | 3.0   | 0.21  | 2.3   | 5.3   | 0.18  | 4     | 4.9   | 5.1   |
| STD DS8             | Standard                         | 18    | 126   | 0.68  | 283   | 0.137 | 2     | 0.95  | 0.087 | 0.42  | 2.9   | 0.20  | 2.5   | 5.3   | 0.15  | 5     | 5.0   | 4.5   |
| STD DS8             | Standard                         | 11    | 117   | 0.57  | 251   | 0.110 | 2     | 0.82  | 0.076 | 0.36  | 2.7   | 0.19  | 2.0   | 5.2   | 0.12  | 4     | 4.9   | 4.7   |
| STD DS8             | Standard                         | 13    | 129   | 0.64  | 285   | 0.129 | 2     | 0.90  | 0.088 | 0.42  | 3.1   | 0.20  | 2.2   | 5.4   | 0.17  | 5     | 5.5   | 4.7   |
| STD DS8             | Standard                         | 16    | 118   | 0.65  | 292   | 0.114 | 3     | 0.92  | 0.096 | 0.41  | 3.2   | 0.20  | 2.4   | 5.3   | 0.17  | 5     | 5.3   | 5.4   |
| STD DS8             | Standard                         | 14    | 111   | 0.56  | 252   | 0.111 | 2     | 0.83  | 0.075 | 0.37  | 2.7   | 0.17  | 2.1   | 4.9   | 0.08  | 4     | 4.5   | 4.9   |



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Project: Mariposa

Report Date: August 31, 2011

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## QUALITY CONTROL REPORT

WHI11000993.1

|                  |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                  |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                  |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                  |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| STD DS8          | Standard | 14.1  | 117.5 | 127.5 | 321   | 1.8   | 40.5  | 8.3   | 623   | 2.55  | 24.9  | 2.8   | 118.4 | 7.0   | 63    | 2.4   | 5.5   | 6.6   | 46    | 0.72  | 0.077  |
| STD DS8 Expected |          | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Project: Mariposa  
Report Date: August 31, 2011

Page: 2 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11000993.1

|                  |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| STD DS8          | Standard | 15                      | 125                     | 0.62                     | 285                     | 0.115                     | 3                      | 0.94                     | 0.099                     | 0.42                    | 3.0                      | 0.19                       | 2.6                       | 5.5                       | 0.09                    | 5                       | 5.8                       | 5.1                       |
| STD DS8 Expected |          | 14.6                    | 115                     | 0.6045                   | 279                     | 0.113                     | 2.6                    | 0.93                     | 0.0883                    | 0.41                    | 3                        | 0.192                      | 2.3                       | 5.4                       | 0.1679                  | 4.7                     | 5.23                      | 5                         |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 02, 2011

Report Date: August 28, 2011

Page: 1 of 8

## CERTIFICATE OF ANALYSIS

WHI11000994.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-14  
P.O. Number  
Number of Samples: 189

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 189               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 189               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 189               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 189               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: August 28, 2011

Page: 2 of 8 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB0468 | Soil                             | 1.1   | 11.6  | 7.5   | 58    | <0.1  | 13.2  | 6.8   | 577   | 2.89  | 6.9   | 0.6   | 0.8   | 3.2   | 16    | <0.1  | 0.3   | 0.2   | 65    | 0.23  | 0.038 |
| 11CB0469 | Soil                             | 0.8   | 17.1  | 7.0   | 72    | 0.1   | 18.2  | 9.5   | 609   | 3.23  | 4.9   | 0.6   | 3.1   | 4.4   | 26    | <0.1  | 0.2   | 0.1   | 72    | 0.47  | 0.037 |
| 11CB0470 | Soil                             | 1.1   | 14.7  | 8.6   | 65    | 0.3   | 19.3  | 10.9  | 816   | 3.31  | 5.2   | 0.6   | 1.9   | 3.5   | 23    | 0.1   | 0.3   | 0.2   | 81    | 0.31  | 0.031 |
| 11CB0471 | Soil                             | 0.6   | 23.9  | 8.2   | 58    | 0.1   | 19.4  | 11.3  | 253   | 2.95  | 5.0   | 0.8   | 6.2   | 3.6   | 27    | <0.1  | 0.3   | 0.1   | 66    | 0.39  | 0.028 |
| 11CB0472 | Soil                             | 1.1   | 27.2  | 9.1   | 68    | 0.2   | 33.6  | 14.4  | 271   | 3.88  | 6.3   | 0.4   | 1.4   | 2.0   | 17    | 0.1   | 0.3   | 0.1   | 94    | 0.21  | 0.047 |
| 11CB0473 | Soil                             | 0.8   | 24.8  | 9.4   | 87    | 0.4   | 26.0  | 14.7  | 535   | 3.43  | 4.7   | 0.5   | 2.0   | 2.2   | 28    | <0.1  | 0.3   | 0.1   | 88    | 0.71  | 0.070 |
| 11CB0474 | Soil                             | 1.6   | 43.3  | 11.2  | 69    | 0.2   | 17.1  | 12.3  | 484   | 3.38  | 5.4   | 1.1   | 3.7   | 5.6   | 26    | 0.1   | 0.5   | 0.3   | 64    | 0.53  | 0.059 |
| 11CB0475 | Soil                             | 2.3   | 39.4  | 16.8  | 84    | 0.1   | 17.9  | 8.8   | 418   | 2.96  | 8.0   | 0.8   | 2.4   | 6.3   | 22    | 0.2   | 0.5   | 0.3   | 49    | 0.33  | 0.047 |
| 11CB0476 | Soil                             | 0.8   | 18.6  | 9.8   | 59    | 0.1   | 17.4  | 9.3   | 457   | 2.88  | 5.9   | 1.1   | 3.0   | 8.9   | 22    | <0.1  | 0.3   | 0.1   | 60    | 0.32  | 0.032 |
| 11CB0477 | Soil                             | 1.4   | 20.7  | 10.6  | 59    | <0.1  | 24.6  | 11.2  | 410   | 3.19  | 9.5   | 0.8   | 6.6   | 4.7   | 17    | 0.1   | 0.4   | 0.2   | 65    | 0.18  | 0.035 |
| 11CB0478 | Soil                             | 1.6   | 12.2  | 8.3   | 48    | <0.1  | 8.7   | 5.3   | 203   | 3.39  | 5.0   | 0.7   | 79.9  | 4.0   | 12    | 0.1   | 0.4   | 0.1   | 54    | 0.12  | 0.031 |
| 11CB0479 | Soil                             | 3.4   | 22.3  | 9.3   | 41    | <0.1  | 17.4  | 7.2   | 300   | 2.61  | 6.8   | 1.0   | 40.7  | 5.4   | 23    | <0.1  | 0.4   | 0.2   | 50    | 0.25  | 0.020 |
| 11CB0480 | Soil                             | 3.8   | 35.8  | 10.7  | 53    | 0.1   | 23.5  | 8.2   | 317   | 2.83  | 6.7   | 1.2   | 20.4  | 4.9   | 27    | <0.1  | 0.4   | 0.2   | 54    | 0.33  | 0.047 |
| 11CB0481 | Soil                             | 4.0   | 39.7  | 11.4  | 57    | 0.1   | 24.5  | 9.6   | 337   | 3.01  | 7.7   | 1.3   | 23.5  | 6.5   | 27    | <0.1  | 0.4   | 0.2   | 57    | 0.33  | 0.042 |
| 11CB0482 | Soil                             | 2.2   | 22.4  | 10.4  | 54    | <0.1  | 26.0  | 7.9   | 348   | 2.33  | 5.5   | 1.2   | 6.7   | 3.2   | 22    | 0.1   | 0.3   | 0.2   | 40    | 0.26  | 0.076 |
| 11CB0483 | Soil                             | 2.2   | 22.6  | 9.2   | 60    | 0.2   | 28.3  | 7.9   | 161   | 2.55  | 5.9   | 1.5   | 14.7  | 4.4   | 26    | 0.2   | 0.4   | 0.2   | 49    | 0.33  | 0.100 |
| 11CB0484 | Soil                             | 1.7   | 23.7  | 7.8   | 56    | 0.1   | 18.4  | 9.8   | 217   | 2.78  | 5.0   | 1.2   | 6.8   | 2.5   | 24    | 0.1   | 0.3   | 0.1   | 60    | 0.41  | 0.072 |
| 11CB0485 | Soil                             | 1.7   | 21.9  | 6.8   | 47    | 0.1   | 16.1  | 11.5  | 365   | 2.42  | 5.3   | 1.1   | 1.1   | 2.0   | 37    | <0.1  | 0.2   | 0.1   | 56    | 0.51  | 0.064 |
| 11CB0486 | Soil                             | 1.4   | 20.9  | 5.0   | 49    | <0.1  | 15.3  | 8.3   | 249   | 2.30  | 3.3   | 0.9   | 0.6   | 2.4   | 34    | 0.1   | 0.2   | 0.1   | 49    | 0.48  | 0.056 |
| 11CB0487 | Soil                             | 1.8   | 18.2  | 7.8   | 55    | 0.1   | 17.9  | 9.6   | 320   | 2.69  | 4.9   | 0.8   | <0.5  | 3.4   | 35    | <0.1  | 0.2   | 0.1   | 59    | 0.52  | 0.052 |
| 11CB0488 | Soil                             | 1.2   | 23.1  | 6.8   | 62    | <0.1  | 18.2  | 10.4  | 241   | 2.77  | 5.0   | 0.8   | 3.0   | 2.9   | 34    | <0.1  | 0.3   | 0.1   | 61    | 0.42  | 0.065 |
| 11CB0489 | Soil                             | 2.6   | 17.3  | 6.2   | 49    | <0.1  | 15.2  | 9.1   | 405   | 2.32  | 4.1   | 1.1   | 2.8   | 2.2   | 43    | <0.1  | 0.2   | 0.1   | 50    | 0.71  | 0.051 |
| 11CB0490 | Soil                             | 1.3   | 34.6  | 6.4   | 55    | <0.1  | 21.3  | 13.5  | 402   | 2.62  | 4.9   | 0.9   | 2.1   | 2.4   | 35    | <0.1  | 0.2   | 0.1   | 60    | 0.53  | 0.053 |
| 11CB0491 | Soil                             | 4.0   | 33.7  | 9.1   | 60    | 0.2   | 19.9  | 11.8  | 516   | 3.48  | 5.2   | 1.7   | 2.4   | 2.5   | 31    | 0.2   | 0.4   | 0.2   | 64    | 0.46  | 0.057 |
| 11CB0492 | Soil                             | 1.3   | 17.4  | 10.6  | 46    | <0.1  | 20.6  | 7.9   | 193   | 3.07  | 8.9   | 0.6   | 17.2  | 3.9   | 15    | 0.1   | 0.4   | 0.2   | 70    | 0.16  | 0.027 |
| 11CB0493 | Soil                             | 2.0   | 25.2  | 9.8   | 48    | <0.1  | 19.6  | 8.2   | 266   | 3.07  | 9.3   | 0.8   | 15.5  | 6.6   | 16    | <0.1  | 0.4   | 0.2   | 62    | 0.17  | 0.024 |
| 11CB0494 | Soil                             | 6.0   | 16.3  | 9.8   | 51    | <0.1  | 14.9  | 7.8   | 253   | 3.45  | 8.8   | 0.6   | 80.8  | 4.0   | 16    | 0.1   | 0.4   | 0.1   | 56    | 0.12  | 0.029 |
| 11CB0495 | Soil                             | 1.4   | 19.1  | 10.9  | 55    | <0.1  | 21.4  | 9.5   | 287   | 3.56  | 12.9  | 0.5   | 30.5  | 4.6   | 16    | 0.1   | 0.5   | 0.2   | 71    | 0.18  | 0.029 |
| 11CB0496 | Soil                             | 1.0   | 19.1  | 9.4   | 52    | <0.1  | 18.3  | 8.7   | 285   | 2.77  | 7.7   | 0.9   | 10.5  | 7.3   | 19    | <0.1  | 0.4   | 0.1   | 59    | 0.22  | 0.037 |
| 11CB0497 | Soil                             | 1.7   | 13.4  | 10.2  | 62    | <0.1  | 15.2  | 10.0  | 847   | 3.59  | 9.0   | 0.5   | 33.4  | 2.5   | 10    | 0.2   | 0.4   | 0.2   | 66    | 0.10  | 0.093 |





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Project: Mariposa  
Report Date: August 28, 2011

Page: 2 of 8 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0468 | Soil                             | 13    | 24    | 0.50  | 218   | 0.094 | 4     | 1.56  | 0.009 | 0.17  | 0.1   | 0.03  | 2.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0469 | Soil                             | 17    | 29    | 0.86  | 294   | 0.145 | 4     | 1.97  | 0.014 | 0.26  | 0.2   | 0.01  | 4.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0470 | Soil                             | 13    | 34    | 0.95  | 304   | 0.122 | 3     | 1.95  | 0.012 | 0.21  | 0.1   | 0.02  | 4.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0471 | Soil                             | 14    | 32    | 0.85  | 221   | 0.106 | 3     | 2.10  | 0.017 | 0.10  | <0.1  | 0.01  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0472 | Soil                             | 6     | 71    | 1.05  | 195   | 0.143 | 3     | 2.62  | 0.015 | 0.23  | 0.2   | 0.02  | 3.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0473 | Soil                             | 10    | 54    | 1.23  | 287   | 0.147 | 3     | 2.27  | 0.020 | 0.14  | <0.1  | 0.01  | 4.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0474 | Soil                             | 20    | 27    | 0.75  | 462   | 0.084 | 3     | 1.95  | 0.014 | 0.10  | 0.1   | 0.02  | 5.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0475 | Soil                             | 20    | 27    | 0.51  | 550   | 0.041 | 3     | 1.65  | 0.012 | 0.12  | <0.1  | 0.03  | 3.3   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11CB0476 | Soil                             | 45    | 32    | 0.58  | 540   | 0.062 | 2     | 1.94  | 0.013 | 0.08  | 0.1   | 0.03  | 4.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0477 | Soil                             | 16    | 42    | 0.59  | 229   | 0.069 | 3     | 2.17  | 0.009 | 0.07  | <0.1  | 0.02  | 4.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0478 | Soil                             | 12    | 17    | 0.25  | 152   | 0.026 | 2     | 1.87  | 0.007 | 0.09  | <0.1  | <0.01 | 3.4   | 0.1   | <0.05 | 7     | <0.5  | 0.2   |
| 11CB0479 | Soil                             | 20    | 31    | 0.47  | 603   | 0.050 | 2     | 1.68  | 0.012 | 0.06  | 0.1   | 0.02  | 5.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0480 | Soil                             | 29    | 39    | 0.54  | 555   | 0.064 | 1     | 1.98  | 0.011 | 0.07  | 0.1   | 0.04  | 5.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0481 | Soil                             | 31    | 42    | 0.57  | 571   | 0.067 | 1     | 2.09  | 0.013 | 0.07  | 0.1   | 0.04  | 5.3   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0482 | Soil                             | 21    | 33    | 0.44  | 308   | 0.046 | 2     | 1.54  | 0.010 | 0.10  | 0.1   | 0.03  | 2.9   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0483 | Soil                             | 23    | 46    | 0.54  | 316   | 0.049 | 2     | 1.74  | 0.011 | 0.08  | <0.1  | 0.05  | 4.0   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11CB0484 | Soil                             | 13    | 34    | 0.65  | 347   | 0.056 | 2     | 1.88  | 0.017 | 0.05  | 0.1   | 0.05  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0485 | Soil                             | 11    | 29    | 0.60  | 257   | 0.051 | 3     | 1.68  | 0.020 | 0.04  | 0.1   | 0.04  | 4.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0486 | Soil                             | 13    | 31    | 0.62  | 208   | 0.077 | 3     | 1.74  | 0.017 | 0.07  | 0.1   | <0.01 | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0487 | Soil                             | 13    | 31    | 0.64  | 261   | 0.072 | 2     | 1.80  | 0.014 | 0.06  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0488 | Soil                             | 12    | 36    | 0.74  | 189   | 0.085 | 2     | 1.83  | 0.019 | 0.06  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0489 | Soil                             | 10    | 30    | 0.63  | 247   | 0.063 | <1    | 1.50  | 0.019 | 0.05  | <0.1  | 0.05  | 3.4   | <0.1  | 0.06  | 5     | 0.7   | <0.2  |
| 11CB0490 | Soil                             | 11    | 34    | 0.81  | 259   | 0.067 | <1    | 2.00  | 0.022 | 0.05  | <0.1  | 0.03  | 4.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0491 | Soil                             | 19    | 36    | 0.53  | 435   | 0.032 | <1    | 2.04  | 0.014 | 0.07  | <0.1  | 0.03  | 7.0   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0492 | Soil                             | 13    | 37    | 0.49  | 256   | 0.069 | 2     | 2.23  | 0.010 | 0.05  | 0.1   | 0.04  | 3.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0493 | Soil                             | 17    | 34    | 0.51  | 221   | 0.069 | <1    | 2.20  | 0.008 | 0.07  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0494 | Soil                             | 13    | 26    | 0.36  | 248   | 0.038 | <1    | 2.21  | 0.008 | 0.08  | <0.1  | 0.03  | 3.3   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0495 | Soil                             | 12    | 33    | 0.54  | 216   | 0.074 | <1    | 2.35  | 0.011 | 0.07  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0496 | Soil                             | 28    | 32    | 0.59  | 214   | 0.080 | 2     | 2.00  | 0.011 | 0.08  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11CB0497 | Soil                             | 11    | 30    | 0.36  | 168   | 0.061 | <1    | 2.15  | 0.008 | 0.09  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 8     | 0.6   | <0.2  |



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Project: Mariposa  
Report Date: August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |      |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11CB0498 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0499 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0500 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0501 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0502 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0503 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0504 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0505 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0506 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0507 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0508 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0509 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0510 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0511 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0512 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0513 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0514 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0515 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0516 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0517 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0518 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0519 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0520 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0521 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0522 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0523 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0524 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0525 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0526 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11CB0527 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |



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**Report Date:** August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0498 | Soil                             | 19    | 45    | 0.57  | 219   | 0.081 | 1     | 2.42  | 0.010 | 0.07  | 0.1   | 0.01  | 3.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0499 | Soil                             | 33    | 33    | 0.58  | 363   | 0.086 | <1    | 1.63  | 0.016 | 0.07  | 0.1   | 0.03  | 5.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0500 | Soil                             | 20    | 32    | 0.59  | 263   | 0.074 | <1    | 1.79  | 0.011 | 0.06  | 0.1   | 0.01  | 3.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0501 | Soil                             | 20    | 32    | 0.59  | 266   | 0.083 | <1    | 1.59  | 0.013 | 0.05  | 0.1   | <0.01 | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0502 | Soil                             | 16    | 50    | 0.56  | 246   | 0.061 | <1    | 2.45  | 0.010 | 0.07  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0503 | Soil                             | 11    | 40    | 0.44  | 169   | 0.068 | <1    | 1.86  | 0.008 | 0.05  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0504 | Soil                             | 16    | 32    | 0.32  | 383   | 0.031 | 1     | 1.85  | 0.007 | 0.04  | 0.1   | 0.03  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0505 | Soil                             | 9     | 54    | 0.70  | 227   | 0.068 | 2     | 2.46  | 0.011 | 0.06  | 0.1   | 0.03  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0506 | Soil                             | 15    | 56    | 0.74  | 424   | 0.035 | 1     | 1.75  | 0.014 | 0.05  | 0.1   | 0.04  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0507 | Soil                             | 27    | 34    | 0.52  | 394   | 0.038 | 1     | 1.43  | 0.014 | 0.05  | <0.1  | 0.05  | 4.1   | <0.1  | 0.06  | 4     | <0.5  | <0.2  |
| 11CB0508 | Soil                             | 19    | 29    | 0.47  | 279   | 0.039 | 2     | 1.18  | 0.013 | 0.07  | 0.2   | 0.02  | 3.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0509 | Soil                             | 26    | 23    | 0.51  | 314   | 0.046 | 2     | 1.54  | 0.013 | 0.08  | 0.1   | 0.05  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0510 | Soil                             | 20    | 32    | 0.63  | 249   | 0.047 | 2     | 2.02  | 0.012 | 0.05  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0511 | Soil                             | 29    | 31    | 0.54  | 513   | 0.027 | <1    | 1.73  | 0.012 | 0.06  | 0.1   | 0.06  | 6.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0512 | Soil                             | 16    | 44    | 0.58  | 352   | 0.064 | <1    | 2.08  | 0.008 | 0.06  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0513 | Soil                             | 25    | 27    | 0.46  | 471   | 0.027 | 1     | 1.47  | 0.013 | 0.06  | 0.1   | 0.07  | 4.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0514 | Soil                             | 23    | 31    | 0.48  | 300   | 0.044 | <1    | 2.12  | 0.009 | 0.06  | <0.1  | 0.03  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0515 | Soil                             | 11    | 34    | 0.43  | 186   | 0.042 | <1    | 2.35  | 0.007 | 0.07  | 0.1   | 0.03  | 3.3   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB0516 | Soil                             | 20    | 26    | 0.41  | 224   | 0.021 | <1    | 2.25  | 0.009 | 0.11  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0517 | Soil                             | 23    | 68    | 0.70  | 323   | 0.045 | <1    | 2.53  | 0.008 | 0.05  | 0.1   | 0.03  | 5.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0518 | Soil                             | 23    | 46    | 0.61  | 349   | 0.065 | <1    | 2.05  | 0.010 | 0.06  | 0.1   | 0.03  | 5.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0519 | Soil                             | 33    | 31    | 0.46  | 590   | 0.057 | <1    | 1.57  | 0.011 | 0.10  | 0.1   | 0.04  | 4.5   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11CB0520 | Soil                             | 34    | 35    | 0.49  | 687   | 0.043 | 2     | 2.09  | 0.013 | 0.08  | 0.2   | 0.07  | 5.1   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11CB0521 | Soil                             | 37    | 36    | 0.50  | 738   | 0.040 | 1     | 2.17  | 0.013 | 0.08  | 0.1   | 0.09  | 5.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0522 | Soil                             | 15    | 27    | 0.56  | 188   | 0.074 | <1    | 1.85  | 0.009 | 0.18  | 0.2   | 0.01  | 3.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0523 | Soil                             | 18    | 24    | 0.51  | 298   | 0.071 | <1    | 1.79  | 0.009 | 0.15  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0524 | Soil                             | 21    | 37    | 0.55  | 275   | 0.061 | 1     | 2.29  | 0.009 | 0.11  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0525 | Soil                             | 10    | 34    | 0.72  | 296   | 0.079 | 1     | 2.24  | 0.011 | 0.08  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0526 | Soil                             | 21    | 28    | 0.50  | 635   | 0.050 | <1    | 1.56  | 0.011 | 0.08  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0527 | Soil                             | 11    | 15    | 0.66  | 318   | 0.098 | 1     | 1.67  | 0.015 | 0.14  | 0.1   | 0.04  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11CB0528 | Soil                             | 1.4        | 18.3       | 10.5       | 66       | 0.8        | 8.4        | 8.7        | 195      | 3.23      | 6.0        | 0.7        | 15.5       | 2.1        | 53       | <0.1       | 0.2        | <0.1       | 54       | 0.39      |
| 11CB0529 | Soil                             | 0.9        | 21.0       | 11.1       | 50       | 0.2        | 43.0       | 11.0       | 227      | 2.96      | 5.8        | 0.5        | 1.8        | 2.8        | 24       | <0.1       | 0.2        | 0.1        | 71       | 0.33      |
| 11CB0530 | Soil                             | 0.5        | 19.4       | 7.6        | 101      | <0.1       | 9.7        | 12.3       | 160      | 3.93      | 2.5        | 0.3        | <0.5       | 2.6        | 12       | <0.1       | 0.1        | <0.1       | 49       | 0.29      |
| 11CB0531 | Soil                             | 1.2        | 20.7       | 10.7       | 70       | 0.5        | 21.1       | 9.7        | 237      | 3.02      | 4.3        | 0.8        | 4.7        | 2.7        | 32       | <0.1       | 0.1        | <0.1       | 64       | 0.40      |
| 11CB0532 | Soil                             | 0.8        | 16.1       | 10.0       | 72       | 0.2        | 14.0       | 11.2       | 512      | 3.49      | 4.7        | 0.9        | 1.4        | 4.9        | 19       | <0.1       | 0.2        | 0.1        | 82       | 0.32      |
| 11CB0533 | Soil                             | 1.3        | 13.2       | 10.0       | 72       | 0.2        | 13.6       | 8.5        | 373      | 3.27      | 4.8        | 0.7        | 1.1        | 5.1        | 16       | 0.1        | 0.2        | 0.1        | 49       | 0.27      |
| 11CB0534 | Soil                             | 0.8        | 17.5       | 11.9       | 74       | 0.6        | 13.5       | 11.3       | 604      | 2.48      | 3.1        | 0.7        | 4.2        | 1.9        | 68       | 0.9        | 0.2        | <0.1       | 42       | 1.22      |
| 11CB0535 | Soil                             | 0.7        | 17.2       | 10.4       | 45       | 0.5        | 10.0       | 5.6        | 113      | 2.01      | 3.2        | 0.7        | 5.2        | 0.8        | 20       | 0.1        | 0.1        | 0.1        | 37       | 0.23      |
| 11CB0536 | Soil                             | 0.7        | 17.0       | 11.4       | 59       | 0.4        | 8.7        | 6.2        | 155      | 2.05      | 3.4        | 0.6        | 3.2        | 1.4        | 18       | 0.1        | 0.1        | 0.2        | 48       | 0.25      |
| 11CB0537 | Soil                             | 0.7        | 30.6       | 6.5        | 87       | 0.4        | 6.8        | 14.4       | 149      | 3.32      | 1.4        | 0.5        | 5.1        | 1.4        | 19       | <0.1       | 0.1        | <0.1       | 79       | 0.35      |
| 11CB0538 | Soil                             | 1.3        | 22.9       | 8.3        | 63       | 0.7        | 8.4        | 10.0       | 220      | 2.70      | 2.9        | 0.9        | 12.8       | 1.8        | 31       | 0.1        | 0.1        | <0.1       | 60       | 0.47      |
| 11CB0539 | Soil                             | 1.3        | 31.6       | 20.4       | 109      | 0.2        | 11.7       | 13.6       | 373      | 4.11      | 8.6        | 1.0        | 3.1        | 4.4        | 25       | 0.2        | 0.3        | 0.2        | 91       | 0.65      |
| 11CB0540 | Soil                             | 1.0        | 19.8       | 13.9       | 42       | <0.1       | 13.9       | 7.2        | 360      | 2.41      | 4.3        | 1.0        | 18.8       | 6.2        | 18       | <0.1       | 0.3        | 0.1        | 35       | 0.27      |
| 11CB0541 | Soil                             | 0.9        | 18.4       | 10.0       | 44       | <0.1       | 13.5       | 7.2        | 313      | 2.43      | 4.6        | 0.9        | 14.7       | 6.0        | 18       | <0.1       | 0.3        | <0.1       | 37       | 0.29      |
| 11CB0542 | Soil                             | 1.1        | 17.2       | 19.0       | 47       | <0.1       | 22.2       | 7.9        | 240      | 2.55      | 7.7        | 0.7        | 45.5       | 7.7        | 19       | <0.1       | 0.4        | 0.1        | 50       | 0.22      |
| 11CB0543 | Soil                             | 1.2        | 14.7       | 10.0       | 46       | 0.2        | 14.8       | 6.1        | 176      | 2.82      | 7.6        | 0.5        | 5.8        | 4.7        | 13       | <0.1       | 0.3        | 0.2        | 56       | 0.16      |
| 11CB0544 | Soil                             | 0.7        | 18.5       | 11.3       | 48       | <0.1       | 19.6       | 8.8        | 278      | 2.52      | 7.0        | 0.7        | 41.0       | 3.9        | 15       | <0.1       | 0.4        | 0.1        | 52       | 0.22      |
| 11CB0545 | Soil                             | 0.4        | 53.8       | 3.2        | 58       | <0.1       | 9.4        | 12.7       | 438      | 3.44      | 2.1        | 0.5        | 1.2        | 2.9        | 20       | <0.1       | 0.1        | <0.1       | 79       | 0.59      |
| 11CB0546 | Soil                             | 1.0        | 15.0       | 15.5       | 42       | <0.1       | 18.3       | 7.2        | 299      | 2.58      | 5.8        | 0.5        | 3.5        | 2.8        | 25       | 0.1        | 0.3        | 0.1        | 55       | 0.41      |
| 11CB0547 | Soil                             | 1.3        | 10.1       | 10.8       | 32       | 0.2        | 11.4       | 11.1       | 1015     | 1.91      | 4.4        | 0.4        | 3.4        | 2.2        | 13       | <0.1       | 0.2        | 0.2        | 47       | 0.17      |
| 11CB0548 | Soil                             | 0.8        | 19.1       | 11.2       | 45       | <0.1       | 22.6       | 9.2        | 234      | 2.76      | 9.1        | 0.4        | 4.3        | 3.0        | 12       | <0.1       | 0.4        | 0.1        | 57       | 0.15      |
| 11CB0549 | Soil                             | 1.1        | 15.2       | 8.7        | 43       | <0.1       | 16.7       | 7.9        | 223      | 3.01      | 7.0        | 0.4        | 3.7        | 2.3        | 13       | <0.1       | 0.3        | 0.2        | 66       | 0.18      |
| 11CB0550 | Soil                             | 1.1        | 18.3       | 13.0       | 50       | 0.1        | 20.4       | 8.3        | 318      | 2.63      | 6.8        | 0.6        | 1.2        | 3.7        | 16       | <0.1       | 0.4        | 0.2        | 58       | 0.23      |
| 11CB0551 | Soil                             | 1.0        | 15.2       | 10.3       | 46       | 0.1        | 16.2       | 6.6        | 311      | 2.50      | 8.0        | 0.7        | 3.7        | 4.9        | 11       | 0.1        | 0.4        | 0.2        | 52       | 0.13      |
| 11CB0552 | Soil                             | 0.8        | 10.0       | 10.9       | 53       | <0.1       | 6.7        | 9.2        | 1610     | 1.81      | 2.0        | 0.4        | 1.6        | 2.7        | 9        | 0.1        | 0.1        | 0.1        | 36       | 0.11      |
| 11CB0553 | Soil                             | 1.0        | 19.4       | 10.8       | 47       | <0.1       | 25.6       | 9.7        | 388      | 2.51      | 6.8        | 0.8        | 23.9       | 2.4        | 19       | <0.1       | 0.4        | 0.1        | 51       | 0.32      |
| 11CB0554 | Soil                             | 1.2        | 23.9       | 11.6       | 64       | <0.1       | 20.1       | 11.0       | 399      | 3.18      | 7.1        | 0.7        | 2.7        | 5.6        | 14       | <0.1       | 0.3        | 0.1        | 55       | 0.19      |
| 11CB0555 | Soil                             | 0.8        | 17.4       | 9.8        | 55       | <0.1       | 14.8       | 7.8        | 237      | 3.00      | 6.6        | 0.8        | 2.7        | 4.2        | 8        | 0.1        | 0.4        | 0.2        | 54       | 0.12      |
| 11CB0556 | Soil                             | 0.9        | 16.9       | 9.0        | 69       | <0.1       | 19.7       | 9.1        | 355      | 3.47      | 7.6        | 0.7        | 1.3        | 7.0        | 10       | <0.1       | 0.4        | 0.1        | 54       | 0.09      |
| 11CB0557 | Soil                             | 1.1        | 21.2       | 9.2        | 56       | <0.1       | 15.9       | 9.9        | 324      | 2.96      | 8.9        | 1.0        | 8.4        | 6.1        | 9        | <0.1       | 0.4        | 0.2        | 60       | 0.09      |



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Report Date: August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0528 | Soil                             | 13    | 15    | 0.62  | 217   | 0.095 | <1    | 1.65  | 0.023 | 0.22  | <0.1  | 0.04  | 3.0   | 0.2   | 0.08  | 5     | <0.5  | <0.2  |
| 11CB0529 | Soil                             | 10    | 61    | 0.93  | 166   | 0.114 | 1     | 1.99  | 0.017 | 0.08  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0530 | Soil                             | 8     | 13    | 1.18  | 211   | 0.173 | <1    | 2.71  | 0.010 | 0.63  | <0.1  | 0.01  | 4.6   | 0.5   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0531 | Soil                             | 11    | 37    | 0.97  | 220   | 0.112 | 1     | 2.14  | 0.015 | 0.20  | <0.1  | 0.03  | 3.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0532 | Soil                             | 22    | 25    | 0.95  | 257   | 0.148 | 1     | 1.99  | 0.012 | 0.41  | 0.1   | 0.02  | 4.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0533 | Soil                             | 21    | 24    | 0.61  | 214   | 0.085 | <1    | 1.79  | 0.008 | 0.26  | 0.1   | 0.03  | 3.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0534 | Soil                             | 12    | 21    | 0.67  | 261   | 0.117 | 4     | 1.75  | 0.025 | 0.16  | 0.2   | 0.03  | 2.6   | 0.2   | 0.10  | 6     | 0.5   | <0.2  |
| 11CB0535 | Soil                             | 9     | 18    | 0.45  | 135   | 0.058 | 1     | 1.30  | 0.012 | 0.09  | <0.1  | 0.05  | 2.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0536 | Soil                             | 8     | 17    | 0.50  | 146   | 0.072 | <1    | 1.28  | 0.010 | 0.10  | 0.1   | 0.04  | 2.4   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11CB0537 | Soil                             | 7     | 12    | 0.88  | 192   | 0.163 | <1    | 2.25  | 0.018 | 0.58  | <0.1  | <0.01 | 3.3   | 0.5   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0538 | Soil                             | 11    | 15    | 0.65  | 266   | 0.107 | <1    | 1.75  | 0.013 | 0.15  | <0.1  | 0.04  | 3.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0539 | Soil                             | 13    | 24    | 1.04  | 516   | 0.128 | <1    | 2.10  | 0.013 | 0.49  | 0.1   | 0.02  | 7.0   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0540 | Soil                             | 28    | 21    | 0.35  | 515   | 0.024 | 3     | 1.23  | 0.008 | 0.08  | <0.1  | 0.03  | 3.5   | <0.1  | <0.05 | 4     | 1.0   | <0.2  |
| 11CB0541 | Soil                             | 27    | 21    | 0.36  | 467   | 0.030 | 2     | 1.18  | 0.008 | 0.08  | <0.1  | 0.03  | 3.5   | <0.1  | <0.05 | 4     | 0.6   | <0.2  |
| 11CB0542 | Soil                             | 23    | 37    | 0.46  | 364   | 0.063 | 2     | 1.76  | 0.008 | 0.06  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0543 | Soil                             | 15    | 27    | 0.35  | 215   | 0.042 | 2     | 1.81  | 0.006 | 0.07  | 0.1   | 0.01  | 2.7   | <0.1  | <0.05 | 6     | 0.8   | <0.2  |
| 11CB0544 | Soil                             | 13    | 35    | 0.51  | 231   | 0.048 | 2     | 1.76  | 0.009 | 0.05  | 0.1   | 0.03  | 3.7   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11CB0545 | Soil                             | 9     | 13    | 0.80  | 293   | 0.071 | <1    | 1.95  | 0.018 | 0.27  | <0.1  | 0.01  | 5.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0546 | Soil                             | 12    | 28    | 0.43  | 283   | 0.055 | 1     | 1.56  | 0.009 | 0.07  | 0.1   | 0.02  | 2.6   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11CB0547 | Soil                             | 11    | 21    | 0.30  | 246   | 0.060 | <1    | 1.05  | 0.008 | 0.07  | 0.1   | <0.01 | 2.2   | <0.1  | <0.05 | 5     | 0.9   | <0.2  |
| 11CB0548 | Soil                             | 8     | 33    | 0.46  | 215   | 0.052 | <1    | 1.87  | 0.007 | 0.04  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0549 | Soil                             | 10    | 32    | 0.44  | 206   | 0.033 | <1    | 1.80  | 0.008 | 0.04  | 0.1   | 0.01  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0550 | Soil                             | 12    | 35    | 0.54  | 276   | 0.052 | <1    | 1.75  | 0.009 | 0.05  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0551 | Soil                             | 12    | 28    | 0.38  | 189   | 0.043 | <1    | 1.83  | 0.007 | 0.05  | 0.2   | 0.04  | 3.4   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11CB0552 | Soil                             | 11    | 13    | 0.31  | 177   | 0.063 | <1    | 0.96  | 0.006 | 0.19  | <0.1  | 0.01  | 2.3   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11CB0553 | Soil                             | 13    | 34    | 0.54  | 305   | 0.045 | 1     | 1.54  | 0.010 | 0.05  | 0.2   | 0.03  | 4.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0554 | Soil                             | 15    | 29    | 0.55  | 313   | 0.051 | <1    | 1.98  | 0.008 | 0.08  | <0.1  | <0.01 | 4.3   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11CB0555 | Soil                             | 11    | 24    | 0.45  | 146   | 0.050 | <1    | 1.93  | 0.007 | 0.10  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11CB0556 | Soil                             | 14    | 30    | 0.58  | 176   | 0.033 | <1    | 2.23  | 0.006 | 0.12  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0557 | Soil                             | 16    | 30    | 0.46  | 166   | 0.066 | <1    | 2.05  | 0.006 | 0.07  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |       |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca   | P     |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %    | %     |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2    | 0.01  |
| 11CB0558 | Soil   |         |      |     | 1.2   | 23.1  | 9.1   | 59    | <0.1  | 19.4  | 10.7  | 294   | 3.17  | 6.8   | 0.5   | 1.1   | 5.8   | 9     | 0.1   | 0.3   | 0.1   | 57    | 0.10 | 0.029 |
| 11CB0559 | Soil   |         |      |     | 1.3   | 13.9  | 9.9   | 49    | <0.1  | 17.1  | 8.1   | 225   | 2.73  | 8.5   | 0.5   | 2.4   | 4.4   | 11    | 0.1   | 0.4   | 0.1   | 53    | 0.11 | 0.036 |
| 11CB0560 | Soil   |         |      |     | 0.8   | 22.3  | 8.0   | 69    | 0.1   | 13.8  | 11.1  | 545   | 3.08  | 2.8   | 0.5   | 4.5   | 4.2   | 21    | 0.1   | 0.2   | <0.1  | 50    | 0.46 | 0.049 |
| 11CB0561 | Soil   |         |      |     | 0.8   | 23.5  | 7.6   | 61    | 0.1   | 13.6  | 10.8  | 558   | 2.94  | 3.0   | 0.6   | 3.2   | 3.6   | 22    | <0.1  | 0.2   | 0.1   | 51    | 0.49 | 0.044 |
| 11CB0562 | Soil   |         |      |     | 0.9   | 26.4  | 9.9   | 44    | <0.1  | 17.1  | 8.4   | 215   | 2.58  | 4.4   | 0.3   | 2.1   | 1.6   | 18    | 0.1   | 0.2   | 0.1   | 60    | 0.33 | 0.025 |
| 11CB0563 | Soil   |         |      |     | 0.8   | 23.4  | 5.9   | 39    | 0.1   | 14.1  | 9.1   | 591   | 2.17  | 3.9   | 0.2   | 1.4   | 1.0   | 20    | <0.1  | 0.2   | <0.1  | 49    | 0.46 | 0.051 |
| 11CB0564 | Soil   |         |      |     | 0.6   | 34.7  | 5.8   | 40    | <0.1  | 15.6  | 8.1   | 261   | 2.09  | 2.8   | 0.5   | 2.2   | 2.1   | 21    | <0.1  | 0.1   | <0.1  | 47    | 0.53 | 0.082 |
| 11CB0565 | Soil   |         |      |     | 0.8   | 38.4  | 7.3   | 49    | <0.1  | 25.7  | 10.5  | 330   | 2.88  | 3.1   | 1.5   | 4.8   | 2.9   | 35    | <0.1  | 0.2   | <0.1  | 70    | 0.62 | 0.085 |
| 11CB0566 | Soil   |         |      |     | 2.6   | 26.7  | 21.9  | 51    | 0.1   | 23.7  | 8.2   | 377   | 2.57  | 2.4   | 4.3   | 5.6   | 5.7   | 44    | <0.1  | 0.2   | 0.1   | 42    | 0.49 | 0.049 |
| 11CB0567 | Soil   |         |      |     | 0.8   | 19.8  | 5.6   | 56    | <0.1  | 16.5  | 9.3   | 205   | 1.88  | 2.5   | 1.4   | 15.4  | 3.6   | 31    | 0.1   | 0.2   | <0.1  | 41    | 0.56 | 0.087 |
| 11CB0568 | Soil   |         |      |     | 1.2   | 20.7  | 12.0  | 58    | 0.1   | 12.7  | 6.0   | 203   | 2.18  | 6.6   | 0.9   | 4.2   | 1.3   | 14    | 0.1   | 0.3   | 0.2   | 44    | 0.18 | 0.050 |
| 11CB0569 | Soil   |         |      |     | 0.5   | 13.7  | 8.1   | 39    | 0.1   | 9.3   | 3.1   | 86    | 1.26  | 3.7   | 0.9   | 2.8   | 1.1   | 17    | <0.1  | 0.2   | 0.2   | 21    | 0.24 | 0.040 |
| 11CB0570 | Soil   |         |      |     | 1.4   | 16.9  | 12.5  | 63    | 0.2   | 12.8  | 6.2   | 218   | 2.51  | 7.6   | 0.6   | 1.5   | 3.5   | 14    | 0.1   | 0.3   | 0.2   | 51    | 0.24 | 0.035 |
| 11CB0571 | Soil   |         |      |     | 1.3   | 22.6  | 12.8  | 63    | 0.5   | 12.1  | 7.3   | 213   | 2.31  | 7.2   | 0.8   | 4.6   | 2.7   | 21    | 0.2   | 0.2   | 0.2   | 52    | 0.48 | 0.044 |
| 11CB0572 | Soil   |         |      |     | 1.3   | 27.8  | 13.8  | 54    | 0.5   | 10.3  | 4.5   | 161   | 1.65  | 4.8   | 3.6   | 11.6  | 2.2   | 21    | 0.5   | 0.2   | 0.3   | 36    | 0.37 | 0.025 |
| 11CB0573 | Soil   |         |      |     | 1.3   | 24.4  | 11.5  | 69    | 0.3   | 13.5  | 10.6  | 452   | 2.50  | 3.9   | 0.8   | 2.7   | 1.7   | 24    | 0.2   | 0.2   | 0.2   | 52    | 0.57 | 0.048 |
| 11CB0574 | Soil   |         |      |     | 0.7   | 20.1  | 7.8   | 67    | 0.6   | 9.8   | 8.9   | 186   | 2.52  | 4.0   | 0.6   | 5.0   | 2.3   | 16    | <0.1  | 0.1   | 0.1   | 51    | 0.27 | 0.053 |
| 11CB0575 | Soil   |         |      |     | 0.6   | 21.6  | 8.3   | 66    | 0.3   | 11.2  | 10.1  | 224   | 2.87  | 3.7   | 0.7   | 6.1   | 2.9   | 52    | <0.1  | 0.1   | <0.1  | 52    | 0.43 | 0.065 |
| 11CB0576 | Soil   |         |      |     | 1.1   | 19.3  | 9.6   | 49    | <0.1  | 11.8  | 6.9   | 237   | 3.25  | 6.7   | 0.5   | <0.5  | 3.1   | 8     | <0.1  | 0.3   | 0.2   | 77    | 0.09 | 0.028 |
| 11CB0577 | Soil   |         |      |     | 0.9   | 20.9  | 9.9   | 67    | <0.1  | 18.4  | 12.5  | 407   | 2.72  | 7.1   | 0.9   | 0.7   | 4.4   | 11    | <0.1  | 0.4   | 0.2   | 58    | 0.10 | 0.034 |
| 11CB0578 | Soil   |         |      |     | 1.3   | 15.6  | 8.5   | 69    | <0.1  | 12.4  | 9.3   | 558   | 3.38  | 7.6   | 0.4   | <0.5  | 3.3   | 8     | <0.1  | 0.4   | 0.2   | 62    | 0.09 | 0.041 |
| 11CB0579 | Soil   |         |      |     | 1.1   | 23.7  | 11.2  | 73    | 0.1   | 17.3  | 11.1  | 437   | 3.21  | 7.0   | 1.0   | <0.5  | 7.3   | 10    | <0.1  | 0.5   | 0.2   | 57    | 0.09 | 0.038 |
| 11CB0580 | Soil   |         |      |     | 1.0   | 52.8  | 9.6   | 99    | <0.1  | 10.0  | 10.5  | 400   | 4.15  | 4.4   | 0.8   | 1.4   | 10.0  | 12    | <0.1  | 0.3   | 0.4   | 46    | 0.12 | 0.042 |
| 11CB0581 | Soil   |         |      |     | 1.6   | 58.0  | 10.0  | 112   | <0.1  | 15.4  | 11.8  | 387   | 4.45  | 4.1   | 0.9   | 0.6   | 9.9   | 14    | <0.1  | 0.4   | 0.2   | 51    | 0.14 | 0.047 |
| 11CB0582 | Soil   |         |      |     | 1.0   | 32.2  | 9.0   | 59    | <0.1  | 18.9  | 9.0   | 322   | 3.19  | 8.1   | 0.7   | 1.8   | 7.7   | 11    | <0.1  | 0.4   | 0.1   | 58    | 0.12 | 0.033 |
| 11CB0583 | Soil   |         |      |     | 1.3   | 33.8  | 10.4  | 63    | <0.1  | 15.4  | 7.8   | 290   | 3.43  | 5.8   | 1.0   | 0.5   | 8.3   | 15    | <0.1  | 0.3   | 0.1   | 48    | 0.12 | 0.031 |
| 11CB0584 | Soil   |         |      |     | 1.3   | 29.2  | 10.0  | 66    | <0.1  | 17.5  | 9.1   | 373   | 3.39  | 8.0   | 1.4   | 1.8   | 9.2   | 13    | <0.1  | 0.4   | 0.1   | 53    | 0.10 | 0.028 |
| 11CB0585 | Soil   |         |      |     | 1.5   | 18.5  | 12.2  | 50    | <0.1  | 14.3  | 6.3   | 382   | 3.07  | 7.5   | 0.4   | <0.5  | 3.4   | 12    | <0.1  | 0.4   | 0.2   | 56    | 0.12 | 0.084 |
| 11CB0586 | Soil   |         |      |     | 2.1   | 21.9  | 11.0  | 51    | <0.1  | 21.4  | 8.8   | 365   | 2.89  | 5.0   | 0.8   | <0.5  | 4.9   | 16    | <0.1  | 0.3   | 0.1   | 52    | 0.17 | 0.033 |
| 11CB0587 | Soil   |         |      |     | 3.4   | 19.8  | 10.2  | 50    | 0.1   | 19.4  | 7.7   | 532   | 2.37  | 3.3   | 2.1   | <0.5  | 4.1   | 55    | 0.2   | 0.3   | 0.1   | 48    | 0.56 | 0.030 |



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**Report Date:** August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0558 | Soil                             | 10    | 28    | 0.60  | 162   | 0.038 | <1    | 2.36  | 0.006 | 0.08  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0559 | Soil                             | 12    | 29    | 0.38  | 132   | 0.035 | <1    | 1.71  | 0.007 | 0.05  | <0.1  | 0.02  | 2.7   | 0.1   | <0.05 | 5     | 0.7   | <0.2  |
| 11CB0560 | Soil                             | 17    | 26    | 0.69  | 347   | 0.022 | 2     | 1.86  | 0.011 | 0.10  | <0.1  | 0.03  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0561 | Soil                             | 17    | 26    | 0.68  | 349   | 0.024 | <1    | 1.87  | 0.012 | 0.10  | <0.1  | 0.02  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0562 | Soil                             | 7     | 33    | 0.79  | 188   | 0.046 | <1    | 1.83  | 0.012 | 0.04  | <0.1  | 0.02  | 3.6   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0563 | Soil                             | 4     | 26    | 0.58  | 155   | 0.047 | <1    | 1.63  | 0.016 | 0.05  | <0.1  | 0.03  | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0564 | Soil                             | 9     | 21    | 0.59  | 212   | 0.052 | 1     | 1.37  | 0.019 | 0.05  | <0.1  | <0.01 | 4.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0565 | Soil                             | 15    | 37    | 0.82  | 304   | 0.064 | <1    | 2.01  | 0.019 | 0.05  | <0.1  | 0.04  | 8.0   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11CB0566 | Soil                             | 54    | 32    | 0.38  | 334   | 0.023 | <1    | 1.54  | 0.010 | 0.10  | <0.1  | 0.05  | 5.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0567 | Soil                             | 19    | 25    | 0.55  | 386   | 0.046 | <1    | 1.32  | 0.014 | 0.06  | 0.2   | 0.04  | 4.4   | <0.1  | <0.05 | 4     | 0.5   | <0.2  |
| 11CB0568 | Soil                             | 16    | 22    | 0.36  | 159   | 0.036 | 1     | 1.44  | 0.008 | 0.05  | 0.2   | 0.02  | 2.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0569 | Soil                             | 12    | 17    | 0.27  | 167   | 0.034 | 3     | 1.04  | 0.009 | 0.04  | 0.2   | 0.03  | 2.1   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0570 | Soil                             | 12    | 22    | 0.42  | 167   | 0.062 | 1     | 1.54  | 0.008 | 0.06  | 0.1   | <0.01 | 2.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0571 | Soil                             | 10    | 20    | 0.55  | 174   | 0.075 | <1    | 1.35  | 0.010 | 0.08  | 0.2   | 0.03  | 3.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0572 | Soil                             | 13    | 17    | 0.31  | 213   | 0.051 | <1    | 1.02  | 0.009 | 0.07  | 0.2   | 0.02  | 2.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0573 | Soil                             | 10    | 20    | 0.62  | 210   | 0.073 | <1    | 1.70  | 0.012 | 0.07  | 0.1   | 0.03  | 3.2   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11CB0574 | Soil                             | 10    | 16    | 0.60  | 121   | 0.079 | 1     | 1.55  | 0.010 | 0.10  | 0.1   | 0.01  | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0575 | Soil                             | 13    | 17    | 0.75  | 167   | 0.099 | 2     | 1.84  | 0.025 | 0.18  | <0.1  | <0.01 | 3.1   | 0.2   | 0.11  | 5     | <0.5  | <0.2  |
| 11CB0576 | Soil                             | 9     | 22    | 0.45  | 115   | 0.106 | 4     | 1.86  | 0.007 | 0.08  | 0.2   | 0.03  | 2.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0577 | Soil                             | 12    | 31    | 0.49  | 219   | 0.069 | 2     | 2.10  | 0.007 | 0.10  | 0.2   | 0.05  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0578 | Soil                             | 8     | 23    | 0.56  | 200   | 0.100 | 3     | 2.04  | 0.007 | 0.20  | 0.1   | 0.03  | 2.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0579 | Soil                             | 27    | 30    | 0.48  | 257   | 0.071 | 2     | 2.19  | 0.007 | 0.17  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0580 | Soil                             | 24    | 14    | 0.38  | 184   | 0.028 | 2     | 1.91  | 0.006 | 0.13  | <0.1  | 0.02  | 4.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0581 | Soil                             | 23    | 23    | 0.42  | 206   | 0.035 | 3     | 1.85  | 0.007 | 0.13  | <0.1  | 0.02  | 5.6   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| 11CB0582 | Soil                             | 18    | 29    | 0.50  | 208   | 0.061 | <1    | 1.99  | 0.008 | 0.10  | 0.1   | 0.05  | 3.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0583 | Soil                             | 30    | 23    | 0.39  | 488   | 0.029 | 2     | 1.73  | 0.006 | 0.10  | 0.1   | 0.03  | 3.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0584 | Soil                             | 26    | 30    | 0.40  | 257   | 0.047 | 1     | 1.82  | 0.007 | 0.07  | <0.1  | 0.04  | 5.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0585 | Soil                             | 13    | 22    | 0.30  | 144   | 0.029 | <1    | 1.36  | 0.005 | 0.07  | 0.1   | 0.02  | 2.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0586 | Soil                             | 19    | 32    | 0.43  | 566   | 0.023 | 1     | 1.71  | 0.007 | 0.06  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0587 | Soil                             | 21    | 29    | 0.42  | 768   | 0.031 | <1    | 1.51  | 0.009 | 0.07  | <0.1  | 0.02  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB0588 | Soil                             | 2.8   | 39.2  | 9.2   | 76    | <0.1  | 43.7  | 15.4  | 387   | 3.37  | 1.6   | 0.9   | 2.0   | 2.9   | 46    | <0.1  | 0.1   | <0.1  | 61    | 0.60  | 0.053 |
| 11CB0589 | Soil                             | 2.1   | 35.2  | 5.4   | 66    | <0.1  | 28.0  | 13.1  | 411   | 2.85  | 1.4   | 1.8   | 51.0  | 3.1   | 56    | 0.1   | 0.2   | <0.1  | 54    | 0.81  | 0.074 |
| 11CB0590 | Soil                             | 1.5   | 55.6  | 4.5   | 47    | <0.1  | 57.8  | 14.7  | 301   | 2.68  | 1.3   | 1.0   | <0.5  | 2.0   | 49    | <0.1  | <0.1  | <0.1  | 56    | 0.82  | 0.180 |
| 11CB0591 | Soil                             | 1.5   | 21.5  | 8.8   | 56    | <0.1  | 14.8  | 11.5  | 621   | 3.08  | 3.6   | 0.9   | 5.2   | 4.7   | 40    | <0.1  | 0.2   | 0.1   | 55    | 0.51  | 0.095 |
| 11CB0592 | Soil                             | 1.5   | 21.0  | 9.0   | 61    | <0.1  | 15.9  | 11.1  | 661   | 2.87  | 3.1   | 0.9   | 5.1   | 4.3   | 40    | <0.1  | 0.2   | 0.1   | 54    | 0.53  | 0.103 |
| 11CB0593 | Soil                             | 0.8   | 13.6  | 7.1   | 52    | <0.1  | 13.3  | 8.5   | 250   | 2.36  | 4.1   | 0.6   | 6.3   | 4.8   | 24    | <0.1  | 0.2   | <0.1  | 46    | 0.36  | 0.065 |
| 11CB0594 | Soil                             | 1.4   | 32.3  | 11.9  | 71    | 0.2   | 79.4  | 21.2  | 1294  | 3.43  | 3.7   | 1.3   | 6.2   | 3.5   | 64    | 0.2   | 0.4   | 0.2   | 63    | 0.87  | 0.182 |
| 11CB0595 | Soil                             | 1.0   | 14.2  | 14.3  | 57    | 0.2   | 15.9  | 6.4   | 319   | 2.21  | 4.7   | 0.8   | 8.2   | 2.7   | 55    | 0.1   | 0.3   | 0.2   | 51    | 0.71  | 0.037 |
| 11CB0596 | Soil                             | 1.5   | 13.8  | 15.0  | 51    | <0.1  | 17.7  | 8.5   | 464   | 2.55  | 5.3   | 0.6   | 34.0  | 4.7   | 24    | 0.1   | 0.3   | 0.1   | 50    | 0.38  | 0.042 |
| 11CB0597 | Soil                             | 1.2   | 14.3  | 14.8  | 53    | <0.1  | 17.1  | 8.1   | 353   | 2.43  | 5.2   | 0.6   | 9.3   | 4.6   | 29    | 0.1   | 0.3   | 0.1   | 46    | 0.46  | 0.041 |
| 11CB0598 | Soil                             | 1.0   | 20.6  | 16.7  | 53    | <0.1  | 54.9  | 12.7  | 355   | 2.83  | 4.4   | 0.7   | 11.8  | 6.5   | 52    | <0.1  | 0.3   | 0.2   | 61    | 0.64  | 0.128 |
| 11CB0599 | Soil                             | 1.3   | 14.9  | 20.7  | 46    | <0.1  | 19.9  | 7.0   | 258   | 2.51  | 5.8   | 0.4   | 2.2   | 3.7   | 24    | 0.2   | 0.3   | 0.1   | 51    | 0.41  | 0.032 |
| 11CB0600 | Soil                             | 1.6   | 23.1  | 17.7  | 51    | 0.2   | 19.0  | 8.6   | 613   | 2.39  | 4.7   | 1.1   | 8.5   | 4.2   | 26    | 0.1   | 0.3   | 0.2   | 49    | 0.37  | 0.039 |
| 11CB0601 | Soil                             | 1.5   | 24.4  | 20.4  | 48    | 0.2   | 18.2  | 11.1  | 904   | 2.44  | 4.7   | 1.3   | 11.0  | 4.4   | 30    | 0.2   | 0.3   | 0.2   | 48    | 0.40  | 0.041 |
| 11CB0602 | Soil                             | 1.4   | 22.5  | 10.7  | 56    | 0.1   | 13.6  | 7.0   | 229   | 2.30  | 7.7   | 0.7   | 1.1   | 1.2   | 17    | 0.1   | 0.3   | 0.3   | 47    | 0.20  | 0.046 |
| 11CB0603 | Soil                             | 1.1   | 25.8  | 13.9  | 54    | 0.2   | 12.4  | 4.7   | 103   | 1.94  | 6.9   | 0.8   | <0.5  | 0.8   | 16    | 0.2   | 0.3   | 0.2   | 38    | 0.19  | 0.050 |
| 11CB0604 | Soil                             | 1.3   | 22.3  | 13.1  | 63    | 0.1   | 13.8  | 8.8   | 309   | 2.61  | 9.3   | 0.9   | 2.4   | 3.3   | 15    | 0.2   | 0.3   | 0.3   | 53    | 0.18  | 0.044 |
| 11CB0605 | Soil                             | 1.7   | 38.8  | 18.5  | 88    | 0.3   | 18.6  | 6.9   | 266   | 2.74  | 7.6   | 1.9   | 2.2   | 3.0   | 23    | 0.6   | 0.4   | 0.5   | 47    | 0.24  | 0.053 |
| 11CB0606 | Soil                             | 1.3   | 15.6  | 12.4  | 59    | 0.1   | 11.4  | 4.9   | 195   | 2.55  | 6.1   | 0.5   | 1.5   | 3.1   | 14    | 0.3   | 0.3   | 0.3   | 51    | 0.18  | 0.035 |
| 11CB0607 | Soil                             | 1.7   | 38.2  | 21.7  | 57    | 0.9   | 16.4  | 6.0   | 265   | 2.95  | 7.5   | 2.7   | 5.3   | 5.4   | 34    | 0.3   | 0.3   | 0.3   | 48    | 0.39  | 0.082 |
| 11CB0608 | Soil                             | 1.9   | 24.1  | 17.8  | 73    | 0.2   | 21.6  | 7.4   | 282   | 3.00  | 9.5   | 1.0   | 3.7   | 3.7   | 24    | 0.3   | 0.3   | 0.4   | 58    | 0.35  | 0.053 |
| 11CB0609 | Soil                             | 2.1   | 40.0  | 16.2  | 70    | 0.3   | 15.9  | 6.8   | 234   | 2.68  | 7.1   | 0.8   | 1.3   | 3.6   | 20    | 0.3   | 0.3   | 0.5   | 53    | 0.29  | 0.062 |
| 11CB0610 | Soil                             | 1.4   | 26.4  | 11.1  | 67    | 0.4   | 14.1  | 7.0   | 281   | 2.21  | 5.2   | 0.7   | 0.9   | 3.7   | 20    | 0.2   | 0.2   | 0.3   | 52    | 0.34  | 0.053 |
| 11CB0611 | Soil                             | 1.2   | 27.6  | 13.6  | 84    | 0.4   | 13.4  | 9.2   | 343   | 2.80  | 4.1   | 0.9   | 2.6   | 3.1   | 24    | 0.3   | 0.2   | 0.3   | 63    | 0.56  | 0.052 |
| 11CB0612 | Soil                             | 1.2   | 29.7  | 11.8  | 101   | 0.3   | 14.7  | 14.0  | 459   | 3.68  | 6.3   | 0.8   | 3.1   | 4.0   | 26    | 0.2   | 0.3   | 0.2   | 78    | 0.64  | 0.070 |
| 11CB0613 | Soil                             | 1.5   | 29.2  | 17.0  | 92    | 0.1   | 20.3  | 13.4  | 427   | 3.48  | 4.3   | 1.0   | 2.6   | 3.8   | 34    | 0.2   | 0.2   | 0.2   | 78    | 0.73  | 0.061 |
| 11CB0614 | Soil                             | 0.9   | 21.5  | 12.4  | 73    | 0.2   | 13.7  | 10.7  | 307   | 2.90  | 5.4   | 0.6   | 3.2   | 3.1   | 20    | <0.1  | 0.2   | 0.2   | 68    | 0.38  | 0.053 |
| 11CB0615 | Soil                             | 1.0   | 22.9  | 10.5  | 75    | 0.3   | 14.3  | 11.0  | 250   | 3.21  | 5.1   | 0.6   | 2.8   | 2.5   | 22    | <0.1  | 0.2   | 0.2   | 68    | 0.44  | 0.066 |
| 11CB0616 | Soil                             | 0.7   | 26.8  | 6.9   | 84    | 0.2   | 17.5  | 15.7  | 317   | 3.55  | 4.9   | 0.7   | 3.6   | 3.5   | 27    | <0.1  | 0.3   | <0.1  | 75    | 0.38  | 0.077 |
| 11CB0617 | Soil                             | 0.8   | 22.3  | 8.8   | 62    | 0.2   | 18.9  | 11.4  | 235   | 2.97  | 7.1   | 0.9   | 2.4   | 6.2   | 20    | <0.1  | 0.4   | 0.1   | 56    | 0.23  | 0.059 |



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**Project:** Mariposa  
**Report Date:** August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0588 | Soil                             | 12    | 85    | 1.27  | 463   | 0.042 | 1     | 2.32  | 0.014 | 0.05  | <0.1  | 0.02  | 6.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0589 | Soil                             | 13    | 54    | 0.97  | 512   | 0.030 | <1    | 1.86  | 0.014 | 0.07  | <0.1  | 0.03  | 5.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0590 | Soil                             | 9     | 55    | 0.85  | 403   | 0.066 | 1     | 1.62  | 0.020 | 0.07  | <0.1  | 0.02  | 5.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0591 | Soil                             | 25    | 29    | 0.65  | 325   | 0.053 | <1    | 1.39  | 0.014 | 0.07  | 0.1   | 0.03  | 3.9   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11CB0592 | Soil                             | 23    | 28    | 0.58  | 328   | 0.049 | 2     | 1.34  | 0.014 | 0.07  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0593 | Soil                             | 19    | 22    | 0.46  | 251   | 0.057 | 1     | 1.20  | 0.010 | 0.06  | 0.1   | 0.03  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0594 | Soil                             | 32    | 69    | 0.82  | 746   | 0.060 | 3     | 1.77  | 0.010 | 0.17  | 0.2   | 0.09  | 6.9   | 0.2   | 0.10  | 6     | <0.5  | <0.2  |
| 11CB0595 | Soil                             | 15    | 26    | 0.45  | 586   | 0.042 | 1     | 1.37  | 0.011 | 0.06  | 0.1   | 0.03  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0596 | Soil                             | 18    | 30    | 0.45  | 348   | 0.052 | <1    | 1.36  | 0.009 | 0.06  | 0.1   | 0.03  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0597 | Soil                             | 17    | 26    | 0.42  | 550   | 0.044 | <1    | 1.42  | 0.009 | 0.06  | 0.1   | 0.04  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0598 | Soil                             | 25    | 96    | 0.84  | 512   | 0.085 | <1    | 1.71  | 0.011 | 0.09  | 0.1   | 0.04  | 4.0   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0599 | Soil                             | 13    | 31    | 0.41  | 474   | 0.052 | <1    | 1.39  | 0.009 | 0.06  | 0.1   | 0.02  | 2.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0600 | Soil                             | 28    | 32    | 0.39  | 759   | 0.045 | 1     | 1.52  | 0.010 | 0.08  | 0.1   | 0.03  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0601 | Soil                             | 36    | 30    | 0.40  | 845   | 0.043 | <1    | 1.59  | 0.010 | 0.08  | 0.1   | 0.04  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0602 | Soil                             | 11    | 23    | 0.36  | 152   | 0.044 | 1     | 1.40  | 0.009 | 0.05  | 0.2   | 0.03  | 2.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0603 | Soil                             | 13    | 21    | 0.31  | 161   | 0.032 | <1    | 1.24  | 0.007 | 0.04  | 0.2   | 0.08  | 1.7   | <0.1  | <0.05 | 4     | 0.7   | <0.2  |
| 11CB0604 | Soil                             | 13    | 28    | 0.38  | 146   | 0.050 | 1     | 1.60  | 0.008 | 0.05  | 0.2   | 0.04  | 2.4   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11CB0605 | Soil                             | 28    | 29    | 0.43  | 390   | 0.047 | <1    | 2.04  | 0.009 | 0.08  | 0.2   | 0.06  | 3.7   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| 11CB0606 | Soil                             | 15    | 20    | 0.34  | 175   | 0.069 | <1    | 1.35  | 0.008 | 0.10  | 0.2   | 0.02  | 2.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0607 | Soil                             | 71    | 26    | 0.37  | 500   | 0.037 | <1    | 2.38  | 0.012 | 0.09  | 0.1   | 0.04  | 4.7   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11CB0608 | Soil                             | 15    | 31    | 0.53  | 296   | 0.060 | <1    | 1.97  | 0.009 | 0.10  | 0.2   | 0.03  | 3.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0609 | Soil                             | 18    | 24    | 0.49  | 251   | 0.073 | <1    | 1.81  | 0.009 | 0.13  | 0.2   | 0.03  | 3.2   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| 11CB0610 | Soil                             | 12    | 23    | 0.64  | 185   | 0.083 | <1    | 1.55  | 0.010 | 0.06  | 0.2   | 0.01  | 3.0   | 0.1   | <0.05 | 5     | 0.7   | <0.2  |
| 11CB0611 | Soil                             | 13    | 25    | 0.74  | 244   | 0.110 | <1    | 1.75  | 0.012 | 0.18  | 0.2   | 0.04  | 4.5   | 0.2   | 0.05  | 7     | <0.5  | <0.2  |
| 11CB0612 | Soil                             | 14    | 23    | 0.93  | 288   | 0.143 | 2     | 2.18  | 0.018 | 0.24  | 0.2   | 0.01  | 5.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0613 | Soil                             | 13    | 32    | 0.97  | 299   | 0.161 | <1    | 2.25  | 0.020 | 0.17  | 0.1   | <0.01 | 4.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0614 | Soil                             | 10    | 25    | 0.73  | 213   | 0.114 | <1    | 1.86  | 0.015 | 0.10  | 0.2   | 0.03  | 3.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0615 | Soil                             | 11    | 26    | 0.71  | 185   | 0.112 | <1    | 1.98  | 0.015 | 0.12  | <0.1  | 0.02  | 3.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0616 | Soil                             | 15    | 27    | 0.98  | 247   | 0.155 | <1    | 2.20  | 0.017 | 0.21  | 0.1   | <0.01 | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0617 | Soil                             | 15    | 34    | 0.62  | 177   | 0.086 | <1    | 2.72  | 0.012 | 0.13  | <0.1  | 0.04  | 3.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |       |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca   | P     |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %    | %     |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2    | 0.01  |
| 11CB0618 | Soil   |         |      |     | 1.1   | 20.7  | 11.2  | 60    | 0.2   | 16.5  | 10.8  | 201   | 3.98  | 8.4   | 0.4   | 6.1   | 3.0   | 27    | <0.1  | 0.4   | 0.1   | 92    | 0.18 | 0.050 |
| 11CB0619 | Soil   |         |      |     | 0.8   | 25.9  | 8.4   | 84    | 0.3   | 10.9  | 13.1  | 340   | 3.67  | 4.8   | 0.4   | 1.5   | 1.6   | 15    | 0.1   | 0.2   | 0.1   | 99    | 0.24 | 0.100 |
| 11CB0620 | Soil   |         |      |     | 1.1   | 25.7  | 10.4  | 73    | <0.1  | 19.8  | 14.3  | 335   | 3.77  | 6.9   | 0.4   | 1.8   | 2.9   | 17    | <0.1  | 0.2   | 0.2   | 84    | 0.26 | 0.037 |
| 11CB0621 | Soil   |         |      |     | 1.3   | 23.9  | 10.7  | 75    | <0.1  | 18.2  | 13.6  | 318   | 3.81  | 6.8   | 0.4   | 2.8   | 2.8   | 19    | 0.1   | 0.3   | 0.2   | 87    | 0.26 | 0.035 |
| 11CB0622 | Soil   |         |      |     | 0.8   | 31.7  | 10.6  | 63    | <0.1  | 22.1  | 8.8   | 319   | 2.75  | 6.4   | 0.8   | 3.5   | 5.3   | 29    | <0.1  | 0.4   | 0.1   | 57    | 0.40 | 0.066 |
| 11CB0623 | Soil   |         |      |     | 0.8   | 19.4  | 9.0   | 54    | <0.1  | 16.9  | 8.5   | 355   | 3.03  | 6.8   | 0.6   | 0.6   | 1.4   | 19    | 0.1   | 0.4   | 0.1   | 69    | 0.23 | 0.075 |
| 11CB0624 | Soil   |         |      |     | 1.4   | 16.8  | 11.4  | 53    | 0.1   | 20.9  | 10.1  | 322   | 3.50  | 10.6  | 0.5   | 1.0   | 3.7   | 17    | 0.1   | 0.5   | 0.2   | 79    | 0.17 | 0.028 |
| 11CB0625 | Soil   |         |      |     | 1.0   | 21.3  | 11.1  | 57    | <0.1  | 22.6  | 10.3  | 333   | 3.11  | 8.7   | 0.8   | 2.1   | 4.6   | 17    | <0.1  | 0.3   | 0.2   | 67    | 0.20 | 0.037 |
| 11CB0626 | Soil   |         |      |     | 1.0   | 20.9  | 11.8  | 56    | <0.1  | 26.0  | 11.0  | 332   | 3.32  | 9.5   | 0.6   | 3.7   | 6.1   | 16    | 0.1   | 0.4   | 0.1   | 58    | 0.16 | 0.027 |
| 11CB0627 | Soil   |         |      |     | 1.0   | 18.8  | 11.7  | 45    | <0.1  | 21.0  | 8.3   | 242   | 2.77  | 7.6   | 0.9   | 2.2   | 2.7   | 16    | <0.1  | 0.4   | 0.2   | 67    | 0.14 | 0.043 |
| 11CB0628 | Soil   |         |      |     | 1.1   | 36.1  | 13.5  | 80    | <0.1  | 43.8  | 15.8  | 436   | 3.91  | 7.8   | 0.8   | 1.5   | 11.6  | 16    | 0.2   | 0.3   | 0.1   | 69    | 0.15 | 0.037 |
| 11CB0629 | Soil   |         |      |     | 1.0   | 21.7  | 10.4  | 58    | <0.1  | 22.2  | 10.6  | 389   | 3.38  | 8.2   | 0.7   | 2.4   | 6.7   | 19    | 0.1   | 0.4   | 0.1   | 66    | 0.18 | 0.030 |
| 11CB0630 | Soil   |         |      |     | 1.0   | 14.2  | 11.9  | 46    | <0.1  | 15.7  | 7.5   | 224   | 3.30  | 10.2  | 0.9   | 2.5   | 5.6   | 14    | <0.1  | 0.5   | 0.2   | 69    | 0.13 | 0.032 |
| 11CB0631 | Soil   |         |      |     | 0.8   | 12.7  | 10.5  | 38    | <0.1  | 11.8  | 5.8   | 174   | 2.46  | 6.3   | 0.5   | 1.2   | 4.3   | 20    | <0.1  | 0.3   | 0.1   | 45    | 0.17 | 0.022 |
| 11CB0632 | Soil   |         |      |     | 1.4   | 15.4  | 10.9  | 51    | <0.1  | 16.1  | 7.4   | 261   | 3.10  | 9.5   | 0.8   | 2.6   | 6.2   | 14    | <0.1  | 0.5   | 0.2   | 69    | 0.14 | 0.034 |
| 11CB0633 | Soil   |         |      |     | 1.3   | 18.0  | 11.4  | 52    | <0.1  | 22.0  | 11.2  | 375   | 3.28  | 11.2  | 0.6   | 13.1  | 7.0   | 15    | <0.1  | 0.5   | 0.2   | 63    | 0.15 | 0.039 |
| 11CB0634 | Soil   |         |      |     | 1.3   | 16.1  | 11.5  | 49    | <0.1  | 36.2  | 11.6  | 318   | 3.43  | 9.5   | 0.6   | 5.1   | 4.8   | 14    | <0.1  | 0.5   | 0.2   | 78    | 0.15 | 0.044 |
| 11CB0635 | Soil   |         |      |     | 0.8   | 14.1  | 6.8   | 54    | <0.1  | 14.0  | 6.1   | 185   | 2.59  | 3.5   | 0.5   | 11.3  | 11.9  | 19    | 0.1   | 0.4   | <0.1  | 39    | 0.22 | 0.053 |
| 11CB0636 | Soil   |         |      |     | 0.7   | 51.5  | 8.0   | 75    | <0.1  | 9.9   | 13.5  | 523   | 4.34  | 3.2   | 0.5   | 2.1   | 2.7   | 11    | <0.1  | 0.5   | <0.1  | 82    | 0.22 | 0.086 |
| 11CB0637 | Soil   |         |      |     | 1.1   | 37.9  | 9.3   | 55    | <0.1  | 19.7  | 9.4   | 262   | 3.05  | 8.4   | 0.8   | 5.3   | 5.9   | 19    | <0.1  | 0.4   | 0.2   | 67    | 0.19 | 0.027 |
| 11CB0638 | Soil   |         |      |     | 0.9   | 13.8  | 10.6  | 67    | <0.1  | 24.9  | 7.8   | 297   | 3.60  | 3.3   | 0.5   | 1.3   | 12.7  | 17    | 0.2   | 0.4   | <0.1  | 48    | 0.25 | 0.054 |
| 11CB0639 | Soil   |         |      |     | 0.9   | 19.8  | 8.8   | 50    | <0.1  | 8.8   | 9.0   | 366   | 3.01  | 5.4   | 0.6   | <0.5  | 3.1   | 22    | <0.1  | 0.2   | 0.1   | 81    | 0.35 | 0.040 |
| 11CB0640 | Soil   |         |      |     | 0.9   | 34.3  | 9.9   | 55    | <0.1  | 23.4  | 10.5  | 398   | 3.02  | 8.7   | 1.3   | 8.6   | 8.1   | 21    | <0.1  | 0.5   | 0.1   | 66    | 0.23 | 0.039 |
| 11CB0641 | Soil   |         |      |     | 0.8   | 26.9  | 9.8   | 54    | <0.1  | 22.3  | 10.3  | 365   | 3.18  | 8.1   | 1.0   | 6.0   | 7.9   | 21    | 0.1   | 0.4   | 0.1   | 68    | 0.24 | 0.033 |
| 11CB0642 | Soil   |         |      |     | 1.0   | 23.3  | 12.2  | 58    | <0.1  | 19.8  | 12.2  | 385   | 3.65  | 6.5   | 0.5   | 6.9   | 5.5   | 25    | <0.1  | 0.3   | 0.1   | 84    | 0.34 | 0.029 |
| 11CB0643 | Soil   |         |      |     | 1.5   | 26.3  | 21.5  | 63    | 0.2   | 13.6  | 9.7   | 523   | 2.96  | 3.1   | 1.2   | 13.4  | 6.9   | 45    | 0.2   | 0.4   | <0.1  | 51    | 0.52 | 0.072 |
| 11CB0644 | Soil   |         |      |     | 1.4   | 29.1  | 11.8  | 65    | 0.1   | 24.5  | 12.0  | 547   | 3.17  | 3.8   | 1.2   | 26.5  | 4.3   | 66    | 0.1   | 0.4   | 0.1   | 60    | 0.89 | 0.076 |
| 11CB0645 | Soil   |         |      |     | 1.2   | 16.6  | 11.5  | 45    | 0.1   | 12.0  | 6.7   | 261   | 2.31  | 3.2   | 2.1   | 15.0  | 9.0   | 44    | 0.1   | 0.4   | <0.1  | 33    | 0.67 | 0.064 |
| 11CB0646 | Soil   |         |      |     | 0.8   | 12.2  | 11.6  | 47    | 0.1   | 10.5  | 7.5   | 175   | 2.58  | 3.4   | 1.3   | 8.3   | 10.6  | 30    | <0.1  | 0.5   | <0.1  | 38    | 0.50 | 0.047 |
| 11CB0647 | Soil   |         |      |     | 1.0   | 12.2  | 12.7  | 52    | <0.1  | 8.7   | 9.8   | 615   | 2.81  | 3.9   | 0.6   | 5.6   | 3.9   | 10    | 0.1   | 0.4   | 0.1   | 44    | 0.11 | 0.064 |



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**Project:** Mariposa  
**Report Date:** August 28, 2011

**Page:** 7 of 8 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0618 | Soil                             | 10    | 31    | 0.83  | 198   | 0.124 | <1    | 2.48  | 0.013 | 0.18  | <0.1  | 0.02  | 3.9   | 0.2   | 0.06  | 8     | <0.5  | <0.2  |
| 11CB0619 | Soil                             | 7     | 21    | 0.86  | 204   | 0.190 | <1    | 2.69  | 0.014 | 0.37  | <0.1  | 0.02  | 3.4   | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11CB0620 | Soil                             | 9     | 31    | 0.87  | 188   | 0.115 | <1    | 2.63  | 0.013 | 0.11  | <0.1  | 0.02  | 3.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0621 | Soil                             | 9     | 31    | 0.87  | 186   | 0.130 | <1    | 2.63  | 0.014 | 0.11  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0622 | Soil                             | 31    | 32    | 0.58  | 505   | 0.078 | <1    | 1.78  | 0.016 | 0.07  | 0.1   | 0.03  | 5.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0623 | Soil                             | 11    | 28    | 0.50  | 215   | 0.066 | 1     | 1.98  | 0.011 | 0.07  | <0.1  | 0.02  | 3.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0624 | Soil                             | 11    | 44    | 0.59  | 245   | 0.072 | <1    | 2.51  | 0.009 | 0.07  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0625 | Soil                             | 13    | 36    | 0.55  | 332   | 0.061 | <1    | 2.46  | 0.012 | 0.06  | 0.1   | 0.03  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0626 | Soil                             | 15    | 32    | 0.48  | 335   | 0.047 | 1     | 2.09  | 0.010 | 0.07  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0627 | Soil                             | 18    | 38    | 0.47  | 204   | 0.061 | <1    | 2.13  | 0.010 | 0.06  | 0.1   | 0.03  | 3.3   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11CB0628 | Soil                             | 18    | 64    | 0.78  | 259   | 0.098 | <1    | 3.12  | 0.011 | 0.14  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0629 | Soil                             | 20    | 37    | 0.57  | 305   | 0.074 | 1     | 2.60  | 0.011 | 0.09  | <0.1  | 0.03  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0630 | Soil                             | 19    | 38    | 0.49  | 181   | 0.075 | 1     | 2.29  | 0.011 | 0.05  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0631 | Soil                             | 26    | 25    | 0.40  | 270   | 0.037 | <1    | 2.01  | 0.007 | 0.07  | <0.1  | 0.03  | 2.5   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11CB0632 | Soil                             | 17    | 35    | 0.45  | 169   | 0.072 | <1    | 2.11  | 0.009 | 0.05  | 0.2   | 0.04  | 2.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0633 | Soil                             | 15    | 34    | 0.50  | 162   | 0.067 | <1    | 2.29  | 0.010 | 0.06  | 0.1   | 0.03  | 3.1   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11CB0634 | Soil                             | 15    | 54    | 0.63  | 220   | 0.087 | 1     | 2.19  | 0.010 | 0.06  | <0.1  | 0.02  | 3.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0635 | Soil                             | 31    | 30    | 0.40  | 256   | 0.034 | <1    | 1.61  | 0.008 | 0.10  | 0.1   | 0.03  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0636 | Soil                             | 6     | 18    | 0.52  | 165   | 0.020 | <1    | 2.61  | 0.014 | 0.22  | <0.1  | 0.02  | 8.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0637 | Soil                             | 18    | 38    | 0.56  | 237   | 0.089 | 1     | 2.30  | 0.012 | 0.08  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0638 | Soil                             | 30    | 48    | 0.46  | 526   | 0.046 | <1    | 1.69  | 0.008 | 0.19  | <0.1  | <0.01 | 4.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0639 | Soil                             | 18    | 21    | 0.63  | 543   | 0.087 | <1    | 1.83  | 0.017 | 0.12  | <0.1  | 0.02  | 4.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0640 | Soil                             | 18    | 40    | 0.63  | 378   | 0.081 | 1     | 2.42  | 0.015 | 0.07  | <0.1  | 0.06  | 6.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0641 | Soil                             | 16    | 38    | 0.70  | 372   | 0.072 | <1    | 2.48  | 0.015 | 0.08  | <0.1  | 0.05  | 5.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0642 | Soil                             | 17    | 40    | 0.75  | 472   | 0.059 | <1    | 2.50  | 0.014 | 0.08  | <0.1  | 0.03  | 6.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0643 | Soil                             | 34    | 26    | 0.53  | 769   | 0.026 | <1    | 1.69  | 0.014 | 0.10  | <0.1  | 0.05  | 6.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0644 | Soil                             | 23    | 37    | 0.61  | 594   | 0.035 | <1    | 1.96  | 0.018 | 0.08  | <0.1  | 0.06  | 6.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0645 | Soil                             | 40    | 20    | 0.33  | 742   | 0.021 | 2     | 1.39  | 0.013 | 0.09  | 0.1   | 0.05  | 4.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0646 | Soil                             | 33    | 23    | 0.37  | 690   | 0.033 | 1     | 1.50  | 0.012 | 0.11  | <0.1  | 0.04  | 4.2   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11CB0647 | Soil                             | 21    | 19    | 0.31  | 117   | 0.027 | <1    | 1.60  | 0.009 | 0.12  | <0.1  | 0.01  | 2.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11CB0648 | Soil                             | 0.9   | 22.9  | 10.2  | 52    | <0.1  | 18.2  | 9.3   | 331   | 2.93  | 5.5   | 0.9   | 4.0   | 5.7   | 18    | <0.1  | 0.4   | 0.1   | 61    | 0.23  | 0.046 |
| 11CB0649 | Soil                             | 2.1   | 18.1  | 11.9  | 44    | <0.1  | 13.1  | 4.4   | 192   | 2.17  | 6.4   | 0.6   | 1.0   | 0.5   | 16    | 0.2   | 0.4   | 0.2   | 63    | 0.16  | 0.056 |
| 11CB0650 | Soil                             | 1.4   | 20.4  | 12.4  | 50    | <0.1  | 23.9  | 8.8   | 306   | 2.64  | 6.2   | 0.8   | 7.7   | 2.7   | 23    | 0.1   | 0.4   | 0.1   | 64    | 0.25  | 0.043 |
| 11CB0651 | Soil                             | 0.9   | 21.6  | 9.8   | 49    | <0.1  | 23.3  | 7.8   | 248   | 2.53  | 5.7   | 0.8   | 1.8   | 1.9   | 20    | 0.1   | 0.4   | 0.1   | 60    | 0.21  | 0.057 |
| 11CB0652 | Soil                             | 2.1   | 27.8  | 14.0  | 58    | 0.1   | 43.6  | 10.9  | 300   | 3.18  | 7.8   | 0.9   | 2.6   | 4.3   | 24    | 0.1   | 0.4   | 0.2   | 70    | 0.27  | 0.064 |
| 11CB0653 | Soil                             | 1.0   | 22.6  | 8.9   | 49    | <0.1  | 29.6  | 12.6  | 289   | 3.32  | 9.2   | 0.8   | 5.8   | 6.2   | 23    | <0.1  | 0.5   | 0.1   | 74    | 0.25  | 0.040 |
| 11CB0654 | Soil                             | 1.4   | 36.6  | 10.4  | 61    | 0.1   | 36.2  | 14.7  | 280   | 3.73  | 10.4  | 1.4   | 1.7   | 6.6   | 19    | <0.1  | 0.6   | 0.2   | 82    | 0.20  | 0.056 |
| 11CB0655 | Soil                             | 1.6   | 24.2  | 10.1  | 56    | 0.2   | 25.9  | 10.4  | 266   | 3.25  | 10.1  | 1.1   | 1.7   | 5.7   | 24    | <0.1  | 0.5   | 0.2   | 79    | 0.17  | 0.027 |
| 11CB0656 | Soil                             | 1.5   | 18.3  | 11.2  | 68    | 0.3   | 18.8  | 9.3   | 307   | 3.53  | 9.3   | 0.9   | 2.7   | 3.9   | 15    | 0.1   | 0.5   | 0.2   | 74    | 0.14  | 0.057 |



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**Project:** Mariposa  
**Report Date:** August 28, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000994.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0648 | Soil                             | 22    | 35    | 0.69  | 179   | 0.097 | 2     | 2.02  | 0.011 | 0.09  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0649 | Soil                             | 19    | 24    | 0.25  | 147   | 0.046 | <1    | 1.28  | 0.009 | 0.07  | <0.1  | 0.02  | 1.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0650 | Soil                             | 23    | 37    | 0.57  | 203   | 0.083 | 1     | 1.87  | 0.014 | 0.07  | <0.1  | 0.03  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0651 | Soil                             | 19    | 36    | 0.55  | 179   | 0.078 | 2     | 1.85  | 0.012 | 0.07  | <0.1  | 0.02  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0652 | Soil                             | 28    | 56    | 0.67  | 306   | 0.077 | 1     | 2.30  | 0.010 | 0.06  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0653 | Soil                             | 15    | 49    | 0.72  | 237   | 0.120 | 1     | 2.61  | 0.012 | 0.09  | 0.2   | 0.02  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0654 | Soil                             | 22    | 45    | 0.69  | 282   | 0.102 | 2     | 3.00  | 0.012 | 0.11  | 0.2   | 0.03  | 4.9   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11CB0655 | Soil                             | 13    | 43    | 0.62  | 173   | 0.091 | <1    | 2.53  | 0.016 | 0.06  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0656 | Soil                             | 12    | 36    | 0.64  | 133   | 0.115 | <1    | 2.67  | 0.009 | 0.18  | 0.1   | 0.03  | 3.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |



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Report Date: August 28, 2011

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## QUALITY CONTROL REPORT

WHI11000994.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 0.001 |
| 11CB0485            | Soil                             | 1.7   | 21.9  | 6.8   | 47    | 0.1   | 16.1  | 11.5  | 365   | 2.42  | 5.3   | 1.1   | 1.1   | 2.0   | 37    | <0.1  | 0.2   | 0.1   | 56    | 0.51  |
| REP 11CB0485        | QC                               | 1.9   | 22.7  | 7.3   | 49    | <0.1  | 17.1  | 12.2  | 382   | 2.62  | 5.7   | 1.1   | 1.2   | 2.1   | 38    | <0.1  | 0.2   | 0.1   | 58    | 0.53  |
| 11CB0502            | Soil                             | 1.9   | 18.4  | 10.6  | 57    | <0.1  | 28.8  | 12.1  | 443   | 3.42  | 10.5  | 0.6   | 16.4  | 5.8   | 17    | 0.2   | 0.5   | 0.2   | 68    | 0.17  |
| REP 11CB0502        | QC                               | 1.7   | 18.1  | 10.6  | 54    | <0.1  | 28.8  | 11.9  | 428   | 3.38  | 10.2  | 0.5   | 16.4  | 5.8   | 16    | 0.2   | 0.5   | 0.2   | 65    | 0.16  |
| 11CB0511            | Soil                             | 2.2   | 37.7  | 8.4   | 55    | 0.1   | 20.2  | 11.1  | 491   | 2.79  | 5.4   | 1.3   | 2.1   | 3.8   | 27    | <0.1  | 0.4   | 0.1   | 54    | 0.49  |
| REP 11CB0511        | QC                               | 2.2   | 36.8  | 8.1   | 52    | 0.2   | 20.5  | 10.7  | 488   | 2.77  | 5.1   | 1.3   | 2.8   | 4.2   | 27    | <0.1  | 0.4   | 0.1   | 52    | 0.48  |
| 11CB0537            | Soil                             | 0.7   | 30.6  | 6.5   | 87    | 0.4   | 6.8   | 14.4  | 149   | 3.32  | 1.4   | 0.5   | 5.1   | 1.4   | 19    | <0.1  | 0.1   | <0.1  | 79    | 0.35  |
| REP 11CB0537        | QC                               | 0.8   | 30.7  | 6.2   | 90    | 0.3   | 7.0   | 14.9  | 149   | 3.31  | 1.5   | 0.5   | 4.9   | 1.4   | 19    | <0.1  | 0.1   | <0.1  | 79    | 0.36  |
| 11CB0550            | Soil                             | 1.1   | 18.3  | 13.0  | 50    | 0.1   | 20.4  | 8.3   | 318   | 2.63  | 6.8   | 0.6   | 1.2   | 3.7   | 16    | <0.1  | 0.4   | 0.2   | 58    | 0.23  |
| REP 11CB0550        | QC                               | 1.0   | 17.8  | 12.2  | 50    | 0.2   | 19.8  | 8.5   | 320   | 2.73  | 7.1   | 0.6   | <0.5  | 3.8   | 16    | <0.1  | 0.3   | 0.1   | 62    | 0.22  |
| 11CB0567            | Soil                             | 0.8   | 19.8  | 5.6   | 56    | <0.1  | 16.5  | 9.3   | 205   | 1.88  | 2.5   | 1.4   | 15.4  | 3.6   | 31    | 0.1   | 0.2   | <0.1  | 41    | 0.56  |
| REP 11CB0567        | QC                               | 0.9   | 19.3  | 5.5   | 51    | <0.1  | 15.7  | 8.7   | 196   | 1.83  | 2.5   | 1.4   | 5.1   | 3.4   | 29    | <0.1  | 0.2   | <0.1  | 41    | 0.57  |
| 11CB0581            | Soil                             | 1.6   | 58.0  | 10.0  | 112   | <0.1  | 15.4  | 11.8  | 387   | 4.45  | 4.1   | 0.9   | 0.6   | 9.9   | 14    | <0.1  | 0.4   | 0.2   | 51    | 0.14  |
| REP 11CB0581        | QC                               | 1.7   | 56.8  | 10.7  | 107   | <0.1  | 13.7  | 11.4  | 367   | 4.46  | 3.7   | 0.9   | <0.5  | 9.4   | 14    | <0.1  | 0.3   | 0.3   | 52    | 0.15  |
| 11CB0607            | Soil                             | 1.7   | 38.2  | 21.7  | 57    | 0.9   | 16.4  | 6.0   | 265   | 2.95  | 7.5   | 2.7   | 5.3   | 5.4   | 34    | 0.3   | 0.3   | 0.3   | 48    | 0.39  |
| REP 11CB0607        | QC                               | 1.6   | 37.1  | 22.6  | 55    | 1.0   | 15.7  | 6.2   | 257   | 2.90  | 7.5   | 2.9   | 1.0   | 5.3   | 31    | 0.4   | 0.3   | 0.4   | 46    | 0.37  |
| 11CB0626            | Soil                             | 1.0   | 20.9  | 11.8  | 56    | <0.1  | 26.0  | 11.0  | 332   | 3.32  | 9.5   | 0.6   | 3.7   | 6.1   | 16    | 0.1   | 0.4   | 0.1   | 58    | 0.16  |
| REP 11CB0626        | QC                               | 1.1   | 22.0  | 12.0  | 58    | <0.1  | 27.0  | 11.1  | 334   | 3.37  | 10.0  | 0.6   | 2.6   | 6.1   | 17    | 0.1   | 0.5   | 0.1   | 59    | 0.17  |
| 11CB0642            | Soil                             | 1.0   | 23.3  | 12.2  | 58    | <0.1  | 19.8  | 12.2  | 385   | 3.65  | 6.5   | 0.5   | 6.9   | 5.5   | 25    | <0.1  | 0.3   | 0.1   | 84    | 0.34  |
| REP 11CB0642        | QC                               | 1.0   | 22.6  | 12.0  | 56    | <0.1  | 18.7  | 12.0  | 363   | 3.62  | 6.2   | 0.6   | 8.5   | 5.5   | 24    | <0.1  | 0.3   | <0.1  | 79    | 0.32  |
| 11CB0652            | Soil                             | 2.1   | 27.8  | 14.0  | 58    | 0.1   | 43.6  | 10.9  | 300   | 3.18  | 7.8   | 0.9   | 2.6   | 4.3   | 24    | 0.1   | 0.4   | 0.2   | 70    | 0.27  |
| REP 11CB0652        | QC                               | 2.1   | 27.7  | 14.8  | 56    | <0.1  | 44.0  | 10.6  | 298   | 3.14  | 8.1   | 0.8   | 4.6   | 4.3   | 24    | 0.1   | 0.4   | 0.2   | 70    | 0.26  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard                         | 14.4  | 116.5 | 127.3 | 313   | 1.9   | 41.1  | 8.0   | 637   | 2.51  | 25.2  | 3.1   | 111.8 | 7.4   | 74    | 2.4   | 6.0   | 6.8   | 46    | 0.72  |
| STD DS8             | Standard                         | 12.4  | 103.8 | 123.2 | 304   | 1.8   | 36.7  | 7.2   | 579   | 2.39  | 24.6  | 2.6   | 118.7 | 6.6   | 61    | 2.5   | 4.8   | 6.6   | 40    | 0.65  |
| STD DS8             | Standard                         | 12.9  | 109.8 | 125.2 | 298   | 1.8   | 37.3  | 7.0   | 626   | 2.45  | 25.3  | 2.8   | 116.4 | 7.2   | 64    | 2.4   | 4.9   | 5.7   | 41    | 0.70  |
| STD DS8             | Standard                         | 13.5  | 111.1 | 124.8 | 305   | 2.0   | 39.7  | 7.5   | 632   | 2.41  | 25.5  | 2.8   | 132.0 | 6.9   | 68    | 2.5   | 5.5   | 6.5   | 42    | 0.71  |
| STD DS8             | Standard                         | 12.2  | 109.5 | 123.2 | 311   | 1.7   | 38.1  | 7.3   | 612   | 2.49  | 24.8  | 2.6   | 104.5 | 6.3   | 60    | 2.1   | 5.1   | 6.4   | 40    | 0.66  |





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Project: Mariposa

Report Date: August 28, 2011

Page: 1 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11000994.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11CB0485            | Soil                             | 11    | 29    | 0.60  | 257   | 0.051 | 3     | 1.68  | 0.020 | 0.04  | 0.1   | 0.04  | 4.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11CB0485        | QC                               | 11    | 30    | 0.57  | 267   | 0.053 | 2     | 1.65  | 0.018 | 0.05  | 0.2   | 0.05  | 4.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0502            | Soil                             | 16    | 50    | 0.56  | 246   | 0.061 | <1    | 2.45  | 0.010 | 0.07  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB0502        | QC                               | 15    | 48    | 0.55  | 241   | 0.053 | <1    | 2.31  | 0.010 | 0.06  | <0.1  | 0.02  | 3.7   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0511            | Soil                             | 29    | 31    | 0.54  | 513   | 0.027 | <1    | 1.73  | 0.012 | 0.06  | 0.1   | 0.06  | 6.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11CB0511        | QC                               | 29    | 31    | 0.54  | 519   | 0.026 | <1    | 1.71  | 0.012 | 0.05  | 0.1   | 0.06  | 6.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0537            | Soil                             | 7     | 12    | 0.88  | 192   | 0.163 | <1    | 2.25  | 0.018 | 0.58  | <0.1  | <0.01 | 3.3   | 0.5   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB0537        | QC                               | 6     | 12    | 0.88  | 191   | 0.164 | <1    | 2.23  | 0.018 | 0.59  | <0.1  | <0.01 | 3.4   | 0.5   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0550            | Soil                             | 12    | 35    | 0.54  | 276   | 0.052 | <1    | 1.75  | 0.009 | 0.05  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11CB0550        | QC                               | 13    | 34    | 0.54  | 273   | 0.056 | <1    | 1.93  | 0.008 | 0.05  | <0.1  | 0.03  | 4.1   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11CB0567            | Soil                             | 19    | 25    | 0.55  | 386   | 0.046 | <1    | 1.32  | 0.014 | 0.06  | 0.2   | 0.04  | 4.4   | <0.1  | <0.05 | 4     | 0.5   | <0.2  |
| REP 11CB0567        | QC                               | 19    | 24    | 0.51  | 381   | 0.044 | 2     | 1.19  | 0.013 | 0.06  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 4     | 0.7   | <0.2  |
| 11CB0581            | Soil                             | 23    | 23    | 0.42  | 206   | 0.035 | 3     | 1.85  | 0.007 | 0.13  | <0.1  | 0.02  | 5.6   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| REP 11CB0581        | QC                               | 23    | 21    | 0.41  | 201   | 0.036 | 2     | 1.89  | 0.007 | 0.12  | 0.1   | 0.04  | 5.5   | 0.1   | <0.05 | 7     | <0.5  | 0.4   |
| 11CB0607            | Soil                             | 71    | 26    | 0.37  | 500   | 0.037 | <1    | 2.38  | 0.012 | 0.09  | 0.1   | 0.04  | 4.7   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| REP 11CB0607        | QC                               | 70    | 25    | 0.35  | 494   | 0.028 | <1    | 2.35  | 0.010 | 0.08  | 0.1   | 0.03  | 4.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0626            | Soil                             | 15    | 32    | 0.48  | 335   | 0.047 | 1     | 2.09  | 0.010 | 0.07  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11CB0626        | QC                               | 15    | 33    | 0.50  | 348   | 0.050 | <1    | 2.13  | 0.010 | 0.07  | <0.1  | 0.04  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0642            | Soil                             | 17    | 40    | 0.75  | 472   | 0.059 | <1    | 2.50  | 0.014 | 0.08  | <0.1  | 0.03  | 6.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB0642        | QC                               | 16    | 37    | 0.75  | 468   | 0.057 | <1    | 2.47  | 0.013 | 0.08  | <0.1  | 0.02  | 6.0   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0652            | Soil                             | 28    | 56    | 0.67  | 306   | 0.077 | 1     | 2.30  | 0.010 | 0.06  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB0652        | QC                               | 28    | 56    | 0.65  | 302   | 0.078 | <1    | 2.27  | 0.010 | 0.06  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard                         | 18    | 126   | 0.68  | 283   | 0.137 | 2     | 0.95  | 0.087 | 0.42  | 2.9   | 0.20  | 2.5   | 5.3   | 0.15  | 5     | 5.0   | 4.5   |
| STD DS8             | Standard                         | 14    | 112   | 0.58  | 261   | 0.098 | 2     | 0.85  | 0.083 | 0.39  | 3.0   | 0.24  | 1.9   | 5.4   | 0.09  | 5     | 5.2   | 5.1   |
| STD DS8             | Standard                         | 16    | 115   | 0.61  | 281   | 0.116 | 2     | 0.92  | 0.094 | 0.41  | 2.8   | 0.20  | 2.4   | 5.4   | 0.16  | 5     | 5.8   | 4.7   |
| STD DS8             | Standard                         | 16    | 120   | 0.60  | 301   | 0.118 | 3     | 0.91  | 0.088 | 0.42  | 3.2   | 0.18  | 2.5   | 5.7   | 0.15  | 5     | 6.5   | 5.6   |
| STD DS8             | Standard                         | 14    | 109   | 0.59  | 265   | 0.107 | 2     | 0.88  | 0.078 | 0.40  | 3.1   | 0.19  | 2.2   | 5.3   | 0.17  | 5     | 5.3   | 5.0   |



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Project: Mariposa

Report Date: August 28, 2011

Page: 2 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11000994.1

|                  |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                  |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                  |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                  |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| STD DS8          | Standard | 11.3  | 104.4 | 111.1 | 284   | 1.6   | 34.0  | 6.8   | 588   | 2.23  | 23.1  | 2.5   | 106.4 | 5.8   | 55    | 2.1   | 4.4   | 5.7   | 38    | 0.62  | 0.072  |
| STD DS8 Expected |          | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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**Project:** Mariposa  
**Report Date:** August 28, 2011

**Page:** 2 of 2 **Part** 2

## QUALITY CONTROL REPORT

WHI11000994.1

|                  |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| STD DS8          | Standard | 13                      | 103                     | 0.56                     | 240                     | 0.098                     | 3                      | 0.82                     | 0.077                     | 0.38                    | 2.9                      | 0.17                       | 2.2                       | 4.8                       | 0.16                    | 4                       | 4.8                       | 4.6                       |
| STD DS8 Expected |          | 14.6                    | 115                     | 0.6045                   | 279                     | 0.113                     | 2.6                    | 0.93                     | 0.0883                    | 0.41                    | 3                        | 0.192                      | 2.3                       | 5.4                       | 0.1679                  | 4.7                     | 5.23                      | 5                         |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 02, 2011

Report Date: September 03, 2011

Page: 1 of 8

## CERTIFICATE OF ANALYSIS

WHI11000995.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-16  
P.O. Number  
Number of Samples: 200

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 199               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 199               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 199               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 197               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: September 03, 2011

Page: 2 of 8 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11TB0482 | Soil                             | 1.3        | 23.4       | 10.6       | 65       | 0.1        | 15.4       | 9.4        | 459      | 3.52      | 7.8        | 0.5        | 2.5        | 3.5        | 33       | <0.1       | 0.4        | 0.2        | 78       | 0.37      |
| 11TB0483 | Soil                             | 1.4        | 13.4       | 13.9       | 50       | <0.1       | 16.0       | 7.9        | 252      | 3.28      | 8.8        | 0.5        | 1.5        | 6.5        | 31       | 0.1        | 0.5        | 0.1        | 54       | 0.14      |
| 11TB0484 | Soil                             | 2.4        | 42.9       | 19.3       | 56       | 0.1        | 16.3       | 7.0        | 366      | 2.46      | 4.7        | 1.1        | 7.7        | 7.7        | 21       | <0.1       | 1.1        | 0.4        | 35       | 0.26      |
| 11TB0485 | Soil                             | 1.0        | 28.6       | 13.3       | 73       | 0.1        | 27.0       | 15.4       | 369      | 4.24      | 7.1        | 0.4        | 6.8        | 2.5        | 15       | <0.1       | 0.4        | 0.1        | 100      | 0.20      |
| 11TB0486 | Soil                             | 1.2        | 32.7       | 11.6       | 52       | 0.3        | 27.6       | 13.1       | 235      | 3.31      | 9.4        | 0.5        | 4.8        | 2.7        | 18       | <0.1       | 0.4        | 0.1        | 77       | 0.20      |
| 11TB0487 | Soil                             | 1.1        | 14.5       | 11.2       | 46       | <0.1       | 15.7       | 8.4        | 272      | 3.07      | 8.6        | 0.7        | 2.4        | 3.7        | 13       | <0.1       | 0.5        | 0.2        | 66       | 0.12      |
| 11TB0488 | Soil                             | 1.2        | 18.3       | 11.3       | 58       | <0.1       | 20.5       | 10.1       | 298      | 3.57      | 11.3       | 0.8        | 2.7        | 4.5        | 13       | <0.1       | 0.6        | 0.2        | 69       | 0.13      |
| 11TB0489 | Soil                             | 0.9        | 17.6       | 10.9       | 47       | 0.1        | 18.3       | 7.1        | 211      | 2.87      | 9.1        | 0.8        | 2.4        | 5.3        | 16       | <0.1       | 0.4        | 0.2        | 61       | 0.16      |
| 11TB0490 | Soil                             | 1.0        | 10.1       | 8.2        | 120      | 0.1        | 8.4        | 11.5       | 947      | 4.04      | 4.0        | 0.4        | <0.5       | 3.3        | 12       | 0.2        | 0.2        | 0.1        | 83       | 0.29      |
| 11TB0491 | Soil                             | 0.5        | 46.1       | 14.2       | 58       | <0.1       | 30.7       | 15.6       | 515      | 3.34      | 4.3        | 0.2        | 0.6        | 1.5        | 10       | 0.3        | 0.3        | <0.1       | 102      | 0.24      |
| 11TB0492 | Soil                             | 1.9        | 31.7       | 11.9       | 78       | <0.1       | 15.1       | 7.5        | 458      | 3.70      | 8.4        | 0.6        | 0.8        | 3.2        | 13       | 0.2        | 0.4        | 0.2        | 76       | 0.14      |
| 11TB0493 | Soil                             | 1.6        | 12.5       | 17.0       | 66       | 0.1        | 15.3       | 6.8        | 416      | 3.09      | 5.8        | 0.6        | 3.4        | 3.1        | 13       | <0.1       | 0.4        | 0.2        | 61       | 0.15      |
| 11TB0494 | Soil                             | 1.5        | 15.8       | 12.0       | 67       | 0.2        | 33.8       | 10.1       | 509      | 3.31      | 4.3        | 0.6        | 2.1        | 4.7        | 23       | <0.1       | 0.3        | 0.1        | 65       | 0.30      |
| 11TB0495 | Soil                             | 1.5        | 18.5       | 15.9       | 65       | 0.2        | 24.1       | 8.6        | 535      | 3.15      | 9.4        | 0.6        | 3.4        | 4.2        | 15       | 0.1        | 0.5        | 0.2        | 67       | 0.16      |
| 11TB0496 | Soil                             | 2.1        | 17.7       | 10.0       | 50       | 0.4        | 16.9       | 8.8        | 153      | 3.97      | 10.8       | 0.6        | 1.1        | 2.2        | 10       | 0.1        | 0.7        | 0.2        | 83       | 0.08      |
| 11TB0497 | Soil                             | 1.3        | 22.4       | 10.7       | 59       | 1.1        | 28.5       | 14.0       | 269      | 3.54      | 10.6       | 0.5        | 3.3        | 3.5        | 14       | 0.1        | 0.5        | 0.2        | 75       | 0.12      |
| 11TB0498 | Soil                             | 1.1        | 15.0       | 11.0       | 53       | 0.3        | 13.2       | 5.6        | 291      | 2.72      | 8.0        | 0.5        | 1.7        | 2.1        | 16       | 0.1        | 0.5        | 0.2        | 61       | 0.15      |
| 11TB0499 | Soil                             | 2.4        | 131.7      | 12.5       | 71       | 0.2        | 13.3       | 8.0        | 294      | 3.64      | 8.0        | 1.4        | 6.1        | 9.5        | 17       | <0.1       | 2.9        | 0.8        | 38       | 0.16      |
| 11TB0500 | Soil                             | 0.9        | 9.7        | 8.6        | 40       | <0.1       | 6.4        | 5.0        | 166      | 2.57      | 2.8        | 0.7        | 4.4        | 10.2       | 16       | <0.1       | 0.3        | <0.1       | 26       | 0.07      |
| 11TB0501 | Soil                             | 1.0        | 10.5       | 11.5       | 42       | <0.1       | 7.3        | 5.2        | 187      | 2.73      | 3.2        | 0.7        | 3.3        | 12.6       | 16       | <0.1       | 0.4        | <0.1       | 28       | 0.07      |
| 11TB0502 | Soil                             | 0.7        | 11.0       | 11.0       | 71       | <0.1       | 6.5        | 7.1        | 441      | 3.09      | 2.8        | 0.6        | 309.0      | 18.1       | 11       | <0.1       | 0.3        | <0.1       | 27       | 0.06      |
| 11TB0503 | Soil                             | 1.2        | 15.4       | 8.7        | 84       | 0.1        | 10.0       | 6.8        | 943      | 2.76      | 5.0        | 0.4        | 1.8        | 3.0        | 20       | 0.2        | 0.2        | 0.1        | 52       | 0.28      |
| 11TB0504 | Soil                             | 1.2        | 21.1       | 8.6        | 75       | <0.1       | 15.9       | 8.2        | 465      | 3.29      | 5.6        | 0.7        | 1.6        | 5.1        | 17       | <0.1       | 0.4        | 0.1        | 58       | 0.18      |
| 11TB0505 | Soil                             | 1.0        | 14.9       | 8.3        | 71       | 0.1        | 16.9       | 8.9        | 501      | 3.50      | 6.2        | 0.7        | 1.9        | 4.5        | 18       | <0.1       | 0.4        | 0.1        | 64       | 0.20      |
| 11TB0506 | Soil                             | 0.9        | 14.2       | 6.8        | 69       | <0.1       | 11.7       | 7.6        | 481      | 2.89      | 5.4        | 0.8        | 1.5        | 6.1        | 15       | <0.1       | 0.3        | 0.1        | 49       | 0.19      |
| 11TB0507 | Soil                             | 0.8        | 19.5       | 9.1        | 65       | 0.1        | 31.8       | 11.3       | 529      | 3.19      | 4.9        | 0.9        | 1.3        | 6.0        | 24       | 0.1        | 0.3        | 0.1        | 65       | 0.36      |
| 11TB0508 | Soil                             | 1.3        | 13.1       | 9.2        | 63       | 0.2        | 13.7       | 8.6        | 438      | 3.35      | 7.4        | 0.5        | 4.9        | 3.4        | 12       | <0.1       | 0.4        | 0.1        | 78       | 0.14      |
| 11TB0509 | Soil                             | 0.9        | 11.6       | 10.3       | 51       | 0.3        | 13.6       | 6.7        | 289      | 3.60      | 8.9        | 0.5        | 21.9       | 3.5        | 14       | <0.1       | 0.5        | 0.2        | 68       | 0.15      |
| 11TB0510 | Soil                             | 0.9        | 25.0       | 7.7        | 51       | 0.1        | 21.8       | 10.2       | 233      | 2.79      | 7.5        | 0.6        | 13.0       | 3.6        | 19       | <0.1       | 0.4        | 0.1        | 58       | 0.21      |
| 11TB0511 | Soil                             | 0.7        | 28.7       | 8.4        | 64       | 0.2        | 19.2       | 11.2       | 305      | 2.94      | 4.3        | 0.7        | 16.9       | 3.8        | 23       | <0.1       | 0.2        | <0.1       | 62       | 0.40      |



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**Project:** Mariposa  
**Report Date:** September 03, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0482 | Soil                             | 8     | 34    | 0.81  | 274   | 0.113 | 1     | 1.95  | 0.012 | 0.12  | 0.2   | 0.02  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0483 | Soil                             | 15    | 28    | 0.48  | 250   | 0.056 | <1    | 2.05  | 0.008 | 0.16  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0484 | Soil                             | 36    | 26    | 0.33  | 1054  | 0.021 | <1    | 1.29  | 0.011 | 0.07  | 0.1   | 0.03  | 4.2   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11TB0485 | Soil                             | 7     | 59    | 1.19  | 208   | 0.174 | <1    | 3.39  | 0.013 | 0.21  | 0.1   | 0.02  | 3.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0486 | Soil                             | 9     | 46    | 0.70  | 215   | 0.087 | <1    | 2.67  | 0.014 | 0.04  | 0.1   | 0.03  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0487 | Soil                             | 12    | 33    | 0.53  | 184   | 0.067 | <1    | 2.09  | 0.009 | 0.06  | 0.1   | 0.03  | 4.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0488 | Soil                             | 12    | 37    | 0.54  | 180   | 0.081 | <1    | 2.50  | 0.010 | 0.07  | 0.2   | 0.04  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0489 | Soil                             | 14    | 33    | 0.51  | 200   | 0.072 | <1    | 2.18  | 0.010 | 0.07  | 0.1   | 0.03  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0490 | Soil                             | 14    | 20    | 1.30  | 358   | 0.239 | <1    | 2.00  | 0.011 | 0.50  | 0.1   | 0.02  | 11.2  | 0.2   | <0.05 | 12    | <0.5  | <0.2  |
| 11TB0491 | Soil                             | 4     | 47    | 1.24  | 152   | 0.162 | <1    | 2.06  | 0.022 | 0.13  | <0.1  | 0.01  | 5.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0492 | Soil                             | 11    | 34    | 0.73  | 211   | 0.159 | <1    | 2.13  | 0.010 | 0.29  | 0.1   | 0.02  | 5.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0493 | Soil                             | 13    | 28    | 0.59  | 177   | 0.117 | <1    | 1.67  | 0.008 | 0.20  | 0.2   | 0.02  | 4.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0494 | Soil                             | 22    | 47    | 0.90  | 419   | 0.051 | <1    | 2.22  | 0.014 | 0.12  | 0.1   | 0.01  | 5.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0495 | Soil                             | 11    | 38    | 0.63  | 268   | 0.094 | <1    | 2.28  | 0.010 | 0.12  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0496 | Soil                             | 9     | 28    | 0.37  | 102   | 0.056 | <1    | 2.00  | 0.007 | 0.07  | 0.2   | 0.02  | 2.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0497 | Soil                             | 8     | 49    | 0.62  | 176   | 0.088 | <1    | 2.70  | 0.011 | 0.06  | 0.1   | 0.05  | 3.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0498 | Soil                             | 13    | 24    | 0.42  | 325   | 0.046 | <1    | 1.87  | 0.009 | 0.08  | 0.1   | 0.02  | 2.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0499 | Soil                             | 36    | 21    | 0.34  | 618   | 0.022 | <1    | 1.61  | 0.010 | 0.10  | <0.1  | 0.02  | 5.7   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0500 | Soil                             | 21    | 12    | 0.33  | 166   | 0.015 | <1    | 1.85  | 0.006 | 0.18  | <0.1  | 0.01  | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0501 | Soil                             | 23    | 14    | 0.34  | 163   | 0.019 | <1    | 1.83  | 0.007 | 0.17  | <0.1  | 0.02  | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0502 | Soil                             | 21    | 12    | 0.46  | 173   | 0.159 | <1    | 1.72  | 0.008 | 0.51  | <0.1  | 0.01  | 4.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0503 | Soil                             | 11    | 19    | 0.61  | 291   | 0.143 | <1    | 1.40  | 0.009 | 0.40  | 0.1   | 0.01  | 3.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0504 | Soil                             | 19    | 28    | 0.73  | 262   | 0.125 | <1    | 2.08  | 0.012 | 0.20  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0505 | Soil                             | 14    | 30    | 0.72  | 220   | 0.123 | <1    | 2.13  | 0.010 | 0.17  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0506 | Soil                             | 19    | 22    | 0.61  | 241   | 0.111 | <1    | 1.73  | 0.010 | 0.20  | 0.1   | 0.01  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0507 | Soil                             | 29    | 43    | 0.96  | 363   | 0.120 | <1    | 1.92  | 0.017 | 0.13  | 0.1   | 0.03  | 5.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0508 | Soil                             | 11    | 26    | 0.78  | 189   | 0.140 | <1    | 2.07  | 0.011 | 0.20  | 0.1   | 0.03  | 4.6   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0509 | Soil                             | 11    | 27    | 0.53  | 191   | 0.082 | <1    | 1.88  | 0.009 | 0.11  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0510 | Soil                             | 13    | 33    | 0.57  | 205   | 0.076 | <1    | 1.86  | 0.013 | 0.05  | 0.1   | 0.02  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0511 | Soil                             | 14    | 33    | 0.82  | 230   | 0.110 | <1    | 1.88  | 0.017 | 0.08  | <0.1  | 0.02  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: September 03, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method | Analyte | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |      |
|----------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11TB0512 | Soil   |         | 0.9  | 22.0 | 10.7  | 69    | 0.2   | 31.0  | 14.0  | 308   | 3.68  | 7.1   | 0.4   | 14.6  | 2.1   | 23    | <0.1  | 0.3   | 0.1   | 83    | 0.24  | 0.032 |    |      |
| 11TB0513 | Soil   |         | 1.1  | 21.8 | 9.5   | 62    | 0.3   | 19.0  | 10.3  | 265   | 3.39  | 6.6   | 0.8   | 1.8   | 2.3   | 20    | <0.1  | 0.4   | 0.1   | 77    | 0.25  | 0.031 |    |      |
| 11TB0514 | Soil   |         | 0.9  | 21.3 | 9.1   | 66    | 0.1   | 18.3  | 11.1  | 427   | 3.43  | 7.3   | 0.8   | 4.1   | 6.0   | 18    | <0.1  | 0.4   | 0.2   | 70    | 0.19  | 0.025 |    |      |
| 11TB0515 | Soil   |         | 1.0  | 12.7 | 9.3   | 59    | 0.2   | 12.7  | 7.5   | 249   | 3.24  | 6.7   | 0.6   | 6.6   | 3.1   | 16    | <0.1  | 0.4   | 0.2   | 63    | 0.18  | 0.038 |    |      |
| 11TB0516 | Soil   |         | 1.8  | 24.6 | 12.5  | 42    | 0.3   | 8.4   | 5.3   | 441   | 1.79  | 3.2   | 0.7   | 10.7  | 4.4   | 13    | 0.2   | 0.5   | 0.6   | 36    | 0.14  | 0.029 |    |      |
| 11TB0517 | Soil   |         | 3.3  | 40.4 | 11.4  | 53    | 0.3   | 18.5  | 8.0   | 219   | 3.05  | 9.9   | 0.7   | 3.1   | 7.2   | 22    | <0.1  | 0.6   | 0.2   | 53    | 0.24  | 0.023 |    |      |
| 11TB0518 | Soil   |         | 1.1  | 17.1 | 10.4  | 39    | 0.1   | 14.8  | 7.1   | 253   | 2.58  | 6.5   | 0.6   | 4.9   | 7.2   | 18    | <0.1  | 0.5   | 0.2   | 40    | 0.15  | 0.032 |    |      |
| 11TB0519 | Soil   |         | 1.1  | 15.2 | 9.3   | 43    | 0.1   | 21.0  | 6.7   | 247   | 2.64  | 7.9   | 0.5   | 37.1  | 5.2   | 20    | <0.1  | 0.5   | 0.2   | 53    | 0.16  | 0.032 |    |      |
| 11TB0520 | Soil   |         | 1.2  | 14.7 | 10.4  | 50    | 0.1   | 18.1  | 10.2  | 370   | 3.01  | 9.3   | 0.4   | 3.0   | 4.6   | 14    | 0.1   | 0.6   | 0.2   | 65    | 0.14  | 0.033 |    |      |
| 11TB0521 | Soil   |         | 0.8  | 23.6 | 9.1   | 52    | <0.1  | 23.8  | 9.6   | 277   | 2.80  | 11.2  | 0.8   | 4.1   | 6.2   | 21    | <0.1  | 0.6   | 0.2   | 60    | 0.17  | 0.016 |    |      |
| 11TB0522 | Soil   |         | 1.2  | 15.1 | 10.2  | 45    | <0.1  | 15.0  | 5.8   | 189   | 2.67  | 8.7   | 0.6   | 4.8   | 3.2   | 18    | <0.1  | 0.4   | 0.2   | 58    | 0.16  | 0.036 |    |      |
| 11TB0523 | Soil   |         | 1.7  | 14.5 | 11.1  | 55    | 0.1   | 19.0  | 8.4   | 317   | 3.62  | 9.3   | 0.6   | 5.5   | 6.1   | 11    | 0.2   | 0.5   | 0.2   | 68    | 0.11  | 0.086 |    |      |
| 11TB0524 | Soil   |         | 1.4  | 17.8 | 9.9   | 55    | 0.1   | 21.1  | 9.1   | 296   | 3.33  | 9.7   | 0.5   | 4.1   | 5.2   | 14    | 0.1   | 0.5   | 0.2   | 68    | 0.13  | 0.030 |    |      |
| 11TB0525 | Soil   |         | 1.5  | 18.7 | 14.9  | 79    | <0.1  | 21.8  | 8.4   | 289   | 3.33  | 12.1  | 0.6   | 10.3  | 6.3   | 16    | 0.1   | 0.6   | 0.2   | 68    | 0.15  | 0.035 |    |      |
| 11TB0526 | Soil   |         | 1.4  | 18.4 | 11.5  | 56    | 0.1   | 21.7  | 7.8   | 292   | 3.39  | 9.9   | 0.6   | 7.9   | 6.6   | 15    | 0.1   | 0.5   | 0.2   | 66    | 0.16  | 0.031 |    |      |
| 11TB0527 | Soil   |         | 1.5  | 16.6 | 9.1   | 50    | 0.2   | 18.5  | 6.9   | 211   | 3.42  | 14.0  | 0.4   | 33.4  | 4.5   | 13    | <0.1  | 0.6   | 0.2   | 65    | 0.11  | 0.021 |    |      |
| 11TB0528 | Soil   |         | 1.7  | 15.8 | 8.9   | 58    | <0.1  | 16.0  | 6.9   | 326   | 3.34  | 32.1  | 0.6   | 54.7  | 4.5   | 15    | 0.1   | 0.8   | 0.2   | 63    | 0.15  | 0.034 |    |      |
| 11TB0529 | Soil   |         | 2.4  | 22.3 | 10.4  | 52    | <0.1  | 23.2  | 9.9   | 393   | 2.99  | 14.0  | 0.8   | 44.0  | 5.2   | 21    | 0.1   | 0.7   | 0.2   | 57    | 0.22  | 0.033 |    |      |
| 11TB0530 | Soil   |         | 2.8  | 15.0 | 9.8   | 48    | <0.1  | 17.3  | 6.7   | 237   | 3.40  | 15.0  | 0.5   | 7.0   | 4.3   | 13    | <0.1  | 0.6   | 0.2   | 68    | 0.10  | 0.037 |    |      |
| 11TB0531 | Soil   |         | 1.5  | 14.1 | 10.1  | 43    | <0.1  | 12.0  | 5.9   | 199   | 3.00  | 8.9   | 0.4   | 2.3   | 5.7   | 12    | <0.1  | 0.4   | 0.1   | 40    | 0.08  | 0.027 |    |      |
| 11TB0532 | Soil   |         | 1.3  | 21.0 | 11.3  | 44    | <0.1  | 21.6  | 9.0   | 185   | 2.77  | 9.8   | 1.1   | 3.7   | 7.8   | 14    | <0.1  | 0.5   | 0.2   | 64    | 0.14  | 0.032 |    |      |
| 11TB0533 | Soil   |         | 1.4  | 26.2 | 9.6   | 50    | <0.1  | 24.4  | 10.2  | 282   | 3.10  | 8.9   | 0.6   | 2.8   | 3.4   | 18    | <0.1  | 0.4   | 0.2   | 69    | 0.18  | 0.041 |    |      |
| 11TB0534 | Soil   |         | 1.2  | 40.2 | 7.0   | 56    | <0.1  | 22.8  | 15.1  | 628   | 3.54  | 4.6   | 0.5   | 1.5   | 3.6   | 22    | <0.1  | 0.5   | 0.1   | 64    | 0.35  | 0.052 |    |      |
| 11TB0535 | Soil   |         | 3.2  | 38.9 | 5.6   | 68    | <0.1  | 67.0  | 15.5  | 364   | 2.93  | 3.6   | 0.5   | 1.0   | 2.5   | 39    | 0.1   | 0.2   | <0.1  | 77    | 0.59  | 0.126 |    |      |
| 11TB0536 | Soil   |         | 8.9  | 31.2 | 8.9   | 64    | 0.3   | 19.6  | 13.2  | 628   | 2.98  | 5.3   | 2.5   | 4.1   | 2.9   | 37    | 0.2   | 0.3   | 0.1   | 58    | 0.68  | 0.092 |    |      |
| 11TB0537 | Soil   |         | 3.1  | 18.0 | 10.2  | 66    | <0.1  | 47.6  | 10.9  | 607   | 3.42  | 9.3   | 1.2   | 72.9  | 7.6   | 28    | 0.1   | 0.8   | 0.1   | 54    | 0.34  | 0.116 |    |      |
| 11TB0538 | Soil   |         | 1.3  | 17.2 | 11.1  | 62    | <0.1  | 25.5  | 10.5  | 353   | 3.82  | 9.7   | 0.8   | 1.3   | 5.7   | 18    | 0.1   | 0.5   | 0.2   | 75    | 0.14  | 0.034 |    |      |
| 11TB0539 | Soil   |         | 1.1  | 21.7 | 9.8   | 65    | <0.1  | 46.3  | 12.3  | 500   | 3.47  | 7.6   | 1.0   | 1.1   | 9.8   | 46    | <0.1  | 0.5   | 0.2   | 62    | 0.25  | 0.047 |    |      |
| 11TB0540 | Soil   |         | 0.9  | 21.5 | 7.8   | 56    | <0.1  | 23.5  | 8.9   | 308   | 2.99  | 6.3   | 1.0   | 2.1   | 6.4   | 25    | <0.1  | 0.5   | 0.2   | 54    | 0.20  | 0.029 |    |      |
| 11TB0541 | Soil   |         | 1.0  | 21.6 | 8.7   | 54    | <0.1  | 23.8  | 8.8   | 297   | 2.97  | 6.6   | 1.0   | 2.6   | 6.6   | 24    | <0.1  | 0.4   | 0.1   | 56    | 0.20  | 0.027 |    |      |





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Report Date: September 03, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0512 | Soil                             | 6     | 53    | 0.95  | 180   | 0.135 | <1    | 2.60  | 0.015 | 0.08  | 0.2   | 0.02  | 4.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0513 | Soil                             | 9     | 39    | 0.72  | 201   | 0.151 | <1    | 2.20  | 0.013 | 0.09  | 0.1   | 0.03  | 3.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0514 | Soil                             | 12    | 30    | 0.73  | 218   | 0.085 | 4     | 2.44  | 0.011 | 0.07  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0515 | Soil                             | 16    | 24    | 0.56  | 349   | 0.057 | <1    | 1.95  | 0.009 | 0.11  | 0.1   | 0.02  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0516 | Soil                             | 27    | 15    | 0.22  | 442   | 0.038 | <1    | 1.07  | 0.009 | 0.11  | <0.1  | 0.02  | 2.1   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0517 | Soil                             | 14    | 31    | 0.48  | 412   | 0.039 | <1    | 2.21  | 0.012 | 0.08  | 0.1   | 0.05  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0518 | Soil                             | 22    | 23    | 0.34  | 318   | 0.024 | 1     | 1.73  | 0.010 | 0.09  | 0.1   | 0.02  | 2.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0519 | Soil                             | 18    | 34    | 0.48  | 269   | 0.049 | <1    | 1.62  | 0.010 | 0.07  | 0.1   | 0.03  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0520 | Soil                             | 11    | 30    | 0.46  | 175   | 0.049 | <1    | 2.00  | 0.009 | 0.08  | 0.1   | 0.03  | 3.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0521 | Soil                             | 22    | 37    | 0.58  | 207   | 0.077 | <1    | 1.92  | 0.012 | 0.06  | 0.1   | 0.02  | 5.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0522 | Soil                             | 29    | 25    | 0.41  | 244   | 0.047 | <1    | 1.69  | 0.009 | 0.06  | 0.2   | 0.03  | 2.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0523 | Soil                             | 13    | 44    | 0.48  | 209   | 0.045 | <1    | 2.11  | 0.009 | 0.08  | 0.1   | 0.04  | 4.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0524 | Soil                             | 13    | 34    | 0.49  | 199   | 0.069 | <1    | 2.21  | 0.009 | 0.07  | 0.2   | 0.02  | 3.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0525 | Soil                             | 17    | 38    | 0.55  | 248   | 0.068 | <1    | 2.33  | 0.009 | 0.07  | 0.1   | 0.03  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0526 | Soil                             | 16    | 49    | 0.55  | 233   | 0.054 | <1    | 2.21  | 0.009 | 0.06  | 0.1   | 0.03  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0527 | Soil                             | 12    | 34    | 0.46  | 193   | 0.062 | <1    | 2.14  | 0.010 | 0.07  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0528 | Soil                             | 15    | 29    | 0.47  | 191   | 0.071 | <1    | 1.79  | 0.009 | 0.10  | 0.1   | 0.02  | 3.7   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0529 | Soil                             | 23    | 36    | 0.49  | 490   | 0.044 | 1     | 2.09  | 0.011 | 0.06  | 0.1   | 0.03  | 5.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0530 | Soil                             | 15    | 32    | 0.40  | 148   | 0.060 | <1    | 1.90  | 0.008 | 0.07  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0531 | Soil                             | 10    | 21    | 0.35  | 176   | 0.033 | <1    | 2.18  | 0.007 | 0.10  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0532 | Soil                             | 24    | 39    | 0.49  | 237   | 0.066 | <1    | 2.34  | 0.010 | 0.05  | 0.2   | 0.06  | 5.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0533 | Soil                             | 13    | 39    | 0.59  | 213   | 0.058 | <1    | 2.14  | 0.011 | 0.05  | 0.1   | 0.03  | 4.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0534 | Soil                             | 11    | 36    | 0.58  | 265   | 0.019 | <1    | 1.83  | 0.012 | 0.07  | <0.1  | 0.02  | 9.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0535 | Soil                             | 8     | 106   | 1.38  | 196   | 0.162 | <1    | 1.60  | 0.018 | 0.20  | 0.1   | 0.01  | 3.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0536 | Soil                             | 28    | 29    | 0.61  | 490   | 0.050 | <1    | 1.96  | 0.015 | 0.06  | 0.1   | 0.05  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0537 | Soil                             | 30    | 44    | 0.42  | 437   | 0.036 | <1    | 1.65  | 0.010 | 0.05  | 0.1   | 0.02  | 8.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0538 | Soil                             | 19    | 46    | 0.63  | 285   | 0.082 | <1    | 2.50  | 0.010 | 0.07  | 0.1   | 0.03  | 4.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0539 | Soil                             | 33    | 81    | 0.76  | 354   | 0.057 | <1    | 2.24  | 0.011 | 0.08  | <0.1  | 0.03  | 5.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0540 | Soil                             | 31    | 39    | 0.58  | 409   | 0.056 | <1    | 1.96  | 0.010 | 0.08  | <0.1  | 0.03  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0541 | Soil                             | 27    | 41    | 0.61  | 423   | 0.054 | <1    | 2.17  | 0.011 | 0.08  | <0.1  | 0.03  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: September 03, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11TB0542 | Soil                             | 2.4        | 29.2       | 10.4       | 59       | 0.2        | 23.1       | 9.1        | 547      | 2.82      | 5.4        | 4.0        | 6.6        | 6.4        | 37       | 0.1        | 0.4        | 0.2        | 49       | 0.45      |
| 11TB0543 | Soil                             | 4.2        | 22.5       | 8.3        | 60       | 0.2        | 15.9       | 8.3        | 616      | 2.31      | 4.0        | 6.2        | 7.2        | 5.6        | 50       | 0.2        | 0.4        | 0.1        | 39       | 0.87      |
| 11TB0544 | Soil                             | 1.1        | 24.2       | 10.6       | 50       | <0.1       | 18.9       | 7.8        | 341      | 2.55      | 8.6        | 0.9        | 17.3       | 5.8        | 26       | 0.1        | 0.4        | 0.2        | 56       | 0.36      |
| 11TB0545 | Soil                             | 1.3        | 29.0       | 11.7       | 56       | 0.1        | 16.8       | 6.3        | 317      | 2.53      | 6.7        | 0.9        | 32.1       | 6.7        | 23       | 0.1        | 0.4        | 0.2        | 53       | 0.27      |
| 11TB0546 | Soil                             | 1.2        | 18.8       | 9.8        | 56       | 0.1        | 24.0       | 9.4        | 436      | 2.99      | 8.1        | 0.8        | 12.9       | 7.5        | 23       | <0.1       | 0.5        | 0.2        | 65       | 0.24      |
| 11TB0547 | Soil                             | 1.1        | 14.5       | 9.0        | 48       | 0.2        | 14.9       | 7.0        | 419      | 2.50      | 4.9        | 0.7        | 2.8        | 6.8        | 25       | 0.1        | 0.3        | 0.1        | 46       | 0.31      |
| 11TB0548 | Soil                             | 1.5        | 15.8       | 11.4       | 63       | 0.1        | 15.9       | 7.6        | 523      | 3.26      | 8.4        | 0.6        | 4.3        | 5.0        | 20       | 0.2        | 0.7        | 0.2        | 64       | 0.26      |
| 11TB0549 | Soil                             | 2.1        | 45.8       | 11.9       | 75       | 0.5        | 12.8       | 12.0       | 457      | 3.09      | 5.1        | 1.4        | 3.8        | 3.9        | 41       | 0.1        | 0.3        | 0.2        | 63       | 0.91      |
| 11TB0550 | Soil                             | 1.3        | 25.6       | 5.4        | 78       | 0.7        | 7.5        | 13.6       | 312      | 3.54      | 5.8        | 0.5        | 12.2       | 1.7        | 38       | <0.1       | 0.2        | <0.1       | 68       | 0.52      |
| 11TB0551 | Soil                             | 0.8        | 19.5       | 6.3        | 59       | 0.4        | 12.0       | 10.5       | 555      | 2.54      | 2.7        | 1.1        | 9.5        | 2.8        | 42       | <0.1       | 0.2        | 0.1        | 40       | 0.66      |
| 11TB0552 | Soil                             | 0.7        | 11.6       | 8.1        | 82       | 0.1        | 10.2       | 6.9        | 350      | 3.28      | 5.8        | 0.5        | 3.0        | 2.1        | 25       | <0.1       | 0.2        | <0.1       | 55       | 0.30      |
| 11TB0553 | Soil                             | 0.6        | 16.9       | 8.3        | 56       | 0.2        | 14.6       | 10.0       | 301      | 2.93      | 4.7        | 0.5        | 4.7        | 2.4        | 26       | 0.1        | 0.2        | <0.1       | 73       | 0.36      |
| 11TB0554 | Soil                             | 0.8        | 22.1       | 4.1        | 85       | 0.3        | 11.8       | 10.0       | 641      | 3.36      | 2.3        | 1.2        | 11.2       | 6.6        | 17       | <0.1       | 0.1        | 0.1        | 62       | 0.32      |
| 11TB0555 | Soil                             | 0.8        | 18.2       | 5.8        | 70       | 0.3        | 14.4       | 8.3        | 460      | 2.87      | 3.0        | 1.4        | 7.0        | 5.1        | 32       | <0.1       | 0.3        | 0.1        | 50       | 0.61      |
| 11TB0556 | Soil                             | 1.2        | 17.6       | 7.6        | 70       | 0.5        | 12.1       | 8.5        | 274      | 2.85      | 3.9        | 0.9        | 10.4       | 2.3        | 41       | <0.1       | 0.2        | 0.1        | 46       | 0.57      |
| 11TB0557 | Soil                             | 0.9        | 14.1       | 5.9        | 33       | 0.4        | 9.5        | 4.2        | 83       | 1.59      | 2.4        | 0.6        | 4.1        | 0.6        | 24       | <0.1       | 0.2        | 0.1        | 27       | 0.28      |
| 11TB0558 | Soil                             | 1.1        | 16.4       | 11.4       | 84       | 0.5        | 12.3       | 10.4       | 291      | 2.56      | 5.4        | 0.6        | 4.4        | 1.8        | 19       | 0.1        | 0.2        | 0.2        | 58       | 0.30      |
| 11TB0559 | Soil                             | 1.3        | 22.4       | 8.3        | 74       | 0.2        | 12.3       | 10.7       | 340      | 2.38      | 2.9        | 1.9        | 5.7        | 2.6        | 57       | 0.2        | 0.2        | 0.1        | 47       | 0.67      |
| 11TB0560 | Soil                             | 1.0        | 21.9       | 5.4        | 77       | 0.3        | 13.0       | 12.2       | 377      | 3.08      | 3.3        | 0.8        | 13.7       | 2.2        | 35       | <0.1       | 0.2        | <0.1       | 60       | 0.52      |
| 11TB0561 | Soil                             | 0.8        | 20.1       | 5.1        | 71       | 0.3        | 14.2       | 11.8       | 328      | 3.06      | 3.0        | 0.7        | 6.8        | 2.5        | 35       | <0.1       | 0.2        | <0.1       | 59       | 0.51      |
| 11TB0562 | Soil                             | 1.7        | 26.9       | 7.2        | 85       | 0.3        | 8.3        | 11.7       | 378      | 3.73      | 2.1        | 1.2        | 1.7        | 2.3        | 33       | <0.1       | 0.1        | <0.1       | 72       | 0.56      |
| 11TB0563 | Soil                             | 1.4        | 43.4       | 49.7       | 101      | 0.2        | 13.9       | 8.5        | 438      | 2.72      | 5.0        | 0.9        | 9.7        | 3.8        | 28       | 0.3        | 0.3        | 0.2        | 53       | 0.54      |
| 11TB0564 | Soil                             | 1.2        | 13.8       | 8.4        | 55       | <0.1       | 19.0       | 8.6        | 343      | 3.32      | 6.0        | 0.5        | 5.7        | 6.8        | 17       | 0.1        | 0.4        | 0.1        | 52       | 0.17      |
| 11TB0565 | Soil                             | 1.0        | 13.3       | 9.7        | 41       | <0.1       | 14.9       | 6.0        | 166      | 2.27      | 5.9        | 0.5        | 3.1        | 4.6        | 21       | <0.1       | 0.3        | 0.2        | 53       | 0.26      |
| 11TB0566 | Soil                             | 1.1        | 13.8       | 8.9        | 40       | 0.2        | 16.4       | 6.2        | 413      | 1.95      | 4.2        | 0.8        | 105.6      | 4.2        | 24       | 0.1        | 0.3        | 0.2        | 39       | 0.30      |
| 11TB0567 | Soil                             | 1.1        | 17.2       | 7.8        | 51       | 0.2        | 12.9       | 8.7        | 400      | 2.62      | 5.4        | 0.6        | 5.4        | 3.8        | 19       | <0.1       | 0.2        | 0.1        | 59       | 0.31      |
| 11TB0568 | Soil                             | 1.3        | 23.6       | 7.1        | 53       | 0.2        | 22.7       | 10.1       | 474      | 2.54      | 5.0        | 1.2        | 9.7        | 3.6        | 34       | 0.1        | 0.2        | 0.1        | 56       | 0.57      |
| 11TB0569 | Soil                             | 0.2        | 32.2       | 2.4        | 35       | <0.1       | 10.6       | 8.9        | 282      | 1.81      | 1.8        | 0.4        | 1.1        | 1.2        | 17       | <0.1       | <0.1       | <0.1       | 48       | 0.62      |
| 11TB0570 | Soil                             | 1.4        | 22.0       | 8.4        | 57       | 0.1        | 18.0       | 9.1        | 339      | 3.42      | 7.5        | 0.4        | 8.1        | 3.7        | 16       | <0.1       | 0.4        | 0.2        | 75       | 0.21      |
| 11TB0571 | Soil                             | 1.2        | 14.9       | 9.3        | 45       | 0.2        | 17.2       | 8.5        | 404      | 2.70      | 7.3        | 0.4        | 0.8        | 2.0        | 18       | <0.1       | 0.3        | 0.2        | 68       | 0.22      |



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**Project:** Mariposa  
**Report Date:** September 03, 2011

**Page:** 4 of 8 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0542 | Soil                             | 41    | 34    | 0.58  | 780   | 0.061 | 1     | 1.82  | 0.013 | 0.09  | 0.1   | 0.05  | 6.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0543 | Soil                             | 34    | 23    | 0.49  | 677   | 0.056 | 2     | 1.59  | 0.015 | 0.13  | 0.1   | 0.05  | 4.8   | 0.1   | <0.05 | 5     | 0.8   | <0.2  |
| 11TB0544 | Soil                             | 19    | 34    | 0.53  | 302   | 0.074 | <1    | 1.73  | 0.013 | 0.05  | 0.1   | 0.02  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0545 | Soil                             | 25    | 31    | 0.48  | 348   | 0.076 | <1    | 1.58  | 0.010 | 0.08  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0546 | Soil                             | 21    | 42    | 0.58  | 363   | 0.074 | <1    | 2.04  | 0.012 | 0.07  | 0.1   | 0.02  | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0547 | Soil                             | 26    | 23    | 0.39  | 517   | 0.041 | <1    | 1.48  | 0.011 | 0.12  | <0.1  | 0.02  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0548 | Soil                             | 15    | 27    | 0.55  | 310   | 0.043 | <1    | 2.13  | 0.010 | 0.13  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0549 | Soil                             | 21    | 19    | 0.70  | 560   | 0.096 | <1    | 1.95  | 0.017 | 0.13  | 0.1   | 0.05  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0550 | Soil                             | 9     | 12    | 0.88  | 251   | 0.181 | <1    | 2.11  | 0.029 | 0.44  | <0.1  | 0.01  | 3.1   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0551 | Soil                             | 22    | 17    | 0.55  | 309   | 0.068 | <1    | 1.73  | 0.016 | 0.18  | 0.1   | 0.04  | 3.6   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0552 | Soil                             | 8     | 17    | 0.65  | 214   | 0.144 | <1    | 1.93  | 0.014 | 0.26  | 0.1   | 0.01  | 2.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0553 | Soil                             | 11    | 29    | 1.06  | 214   | 0.172 | <1    | 2.09  | 0.015 | 0.28  | 0.1   | 0.02  | 2.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0554 | Soil                             | 26    | 22    | 1.03  | 267   | 0.141 | <1    | 2.04  | 0.010 | 0.66  | <0.1  | 0.03  | 6.4   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0555 | Soil                             | 46    | 23    | 0.65  | 372   | 0.065 | 1     | 1.79  | 0.011 | 0.25  | 0.1   | 0.06  | 5.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0556 | Soil                             | 11    | 19    | 0.66  | 166   | 0.100 | <1    | 1.79  | 0.027 | 0.14  | 0.1   | 0.04  | 2.7   | 0.2   | 0.06  | 5     | <0.5  | <0.2  |
| 11TB0557 | Soil                             | 9     | 18    | 0.27  | 107   | 0.049 | <1    | 1.00  | 0.012 | 0.06  | <0.1  | 0.03  | 1.7   | 0.1   | 0.07  | 5     | <0.5  | <0.2  |
| 11TB0558 | Soil                             | 10    | 22    | 0.63  | 219   | 0.097 | 1     | 1.65  | 0.012 | 0.14  | 0.1   | 0.03  | 2.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0559 | Soil                             | 15    | 19    | 0.61  | 320   | 0.068 | <1    | 1.54  | 0.019 | 0.15  | 0.1   | 0.03  | 3.8   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0560 | Soil                             | 12    | 20    | 0.75  | 217   | 0.118 | <1    | 1.94  | 0.016 | 0.24  | <0.1  | 0.02  | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0561 | Soil                             | 12    | 21    | 0.77  | 203   | 0.118 | <1    | 1.91  | 0.017 | 0.22  | <0.1  | 0.02  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0562 | Soil                             | 15    | 15    | 0.87  | 374   | 0.134 | <1    | 2.36  | 0.015 | 0.33  | <0.1  | 0.03  | 3.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0563 | Soil                             | 19    | 25    | 0.54  | 816   | 0.046 | <1    | 1.68  | 0.012 | 0.11  | 0.1   | 0.04  | 3.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0564 | Soil                             | 21    | 35    | 0.52  | 313   | 0.050 | <1    | 2.28  | 0.009 | 0.23  | 0.1   | 0.02  | 4.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0565 | Soil                             | 17    | 28    | 0.40  | 322   | 0.071 | <1    | 1.71  | 0.009 | 0.07  | <0.1  | 0.02  | 3.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0566 | Soil                             | 24    | 25    | 0.30  | 451   | 0.036 | <1    | 1.50  | 0.009 | 0.10  | 0.1   | 0.04  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0567 | Soil                             | 11    | 27    | 0.57  | 218   | 0.068 | <1    | 1.85  | 0.014 | 0.06  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0568 | Soil                             | 18    | 32    | 0.62  | 401   | 0.060 | <1    | 1.83  | 0.018 | 0.05  | 0.1   | 0.04  | 5.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0569 | Soil                             | 6     | 17    | 0.63  | 164   | 0.083 | <1    | 1.67  | 0.029 | 0.05  | <0.1  | <0.01 | 5.0   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11TB0570 | Soil                             | 11    | 35    | 0.67  | 218   | 0.072 | <1    | 2.27  | 0.012 | 0.08  | 0.1   | 0.02  | 4.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0571 | Soil                             | 11    | 33    | 0.49  | 257   | 0.063 | <1    | 1.92  | 0.014 | 0.04  | <0.1  | 0.02  | 2.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |



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Project:

Mariposa

Report Date:

September 03, 2011

Page:

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Part 1

## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11TB0572 | Soil                             | 1.2        | 24.4       | 8.0        | 54       | <0.1       | 22.6       | 9.9        | 440      | 3.22      | 6.5        | 0.7        | 1.2        | 4.7        | 18       | <0.1       | 0.3        | 0.1        | 66       | 0.22      | 0.026      |
| 11TB0573 | Soil                             | 0.8        | 28.2       | 6.8        | 68       | <0.1       | 22.1       | 15.9       | 508      | 4.24      | 3.5        | 0.7        | 1.4        | 7.4        | 22       | <0.1       | 0.4        | <0.1       | 69       | 0.38      | 0.064      |
| 11TB0574 | Soil                             | 1.1        | 33.5       | 9.6        | 54       | <0.1       | 25.8       | 8.7        | 252      | 3.00      | 8.1        | 0.8        | 2.8        | 6.1        | 15       | 0.1        | 0.5        | 0.1        | 52       | 0.19      | 0.039      |
| 11TB0575 | Soil                             | 1.2        | 29.0       | 10.5       | 57       | 0.2        | 22.3       | 9.9        | 300      | 3.16      | 8.6        | 0.9        | 4.0        | 6.9        | 15       | <0.1       | 0.9        | 0.2        | 62       | 0.18      | 0.035      |
| 11TB0576 | Soil                             | 1.3        | 33.0       | 5.2        | 77       | <0.1       | 132.7      | 26.9       | 493      | 4.07      | 4.2        | 0.5        | 1.1        | 1.7        | 38       | 0.2        | 0.2        | <0.1       | 79       | 0.89      | 0.363      |
| 11TB0577 | Soil                             | 1.6        | 13.2       | 13.1       | 79       | <0.1       | 8.1        | 6.3        | 314      | 3.56      | 4.1        | 0.6        | 2.4        | 1.9        | 8        | <0.1       | 0.4        | 0.1        | 58       | 0.09      | 0.045      |
| 11TB0578 | Soil                             | 1.2        | 15.9       | 9.8        | 85       | <0.1       | 22.2       | 11.4       | 482      | 3.46      | 11.1       | 0.5        | 1.9        | 3.3        | 14       | 0.2        | 0.5        | 0.2        | 70       | 0.14      | 0.064      |
| 11TB0579 | Soil                             | 1.1        | 12.7       | 10.4       | 95       | 0.1        | 18.2       | 11.5       | 483      | 4.16      | 8.5        | 0.4        | 1.2        | 4.2        | 13       | <0.1       | 0.4        | 0.1        | 83       | 0.18      | 0.048      |
| 11TB0580 | Soil                             | 0.9        | 28.2       | 7.1        | 101      | <0.1       | 13.6       | 11.9       | 579      | 3.80      | 5.4        | 1.1        | 2.4        | 10.3       | 17       | <0.1       | 0.3        | <0.1       | 63       | 0.22      | 0.046      |
| 11TB0581 | Soil                             | 0.9        | 31.5       | 8.3        | 116      | <0.1       | 11.2       | 12.5       | 650      | 4.18      | 4.3        | 1.2        | 2.2        | 11.3       | 17       | <0.1       | 0.2        | <0.1       | 65       | 0.26      | 0.050      |
| 11TB0582 | Soil                             | 0.8        | 32.4       | 7.0        | 53       | <0.1       | 21.9       | 12.1       | 493      | 3.10      | 3.7        | 0.6        | 2.2        | 3.0        | 33       | <0.1       | 0.2        | <0.1       | 70       | 0.53      | 0.046      |
| 11TB0583 | Soil                             | 2.8        | 27.4       | 16.4       | 49       | <0.1       | 16.8       | 8.2        | 336      | 2.94      | 4.1        | 0.8        | 28.7       | 7.4        | 17       | <0.1       | 0.4        | 0.1        | 45       | 0.31      | 0.036      |
| 11TB0584 | Soil                             | 0.7        | 28.9       | 6.5        | 47       | <0.1       | 21.1       | 11.2       | 281      | 2.77      | 4.9        | 0.3        | 2.4        | 2.0        | 18       | <0.1       | 0.2        | <0.1       | 63       | 0.39      | 0.034      |
| 11TB0585 | Soil                             | 0.5        | 29.2       | 6.1        | 43       | <0.1       | 15.1       | 9.0        | 268      | 2.37      | 3.3        | 0.3        | 17.2       | 2.1        | 18       | <0.1       | 0.2        | <0.1       | 53       | 0.50      | 0.086      |
| 11TB0586 | Soil                             | 0.3        | 35.5       | 2.4        | 29       | <0.1       | 11.5       | 7.5        | 219      | 1.71      | 2.2        | 0.2        | 1.4        | 1.4        | 22       | <0.1       | 0.1        | <0.1       | 40       | 0.64      | 0.119      |
| 11TB0587 | Soil                             | 0.7        | 32.0       | 5.1        | 52       | <0.1       | 12.1       | 11.9       | 367      | 3.25      | 3.3        | 1.0        | 6.5        | 3.4        | 19       | <0.1       | 0.1        | <0.1       | 73       | 0.61      | 0.108      |
| 11TB0588 | Soil                             | 0.8        | 10.7       | 7.1        | 43       | <0.1       | 14.2       | 6.0        | 293      | 2.14      | 5.5        | 0.6        | 5.1        | 5.9        | 20       | <0.1       | 0.3        | 0.1        | 45       | 0.28      | 0.041      |
| 11TB0589 | Soil                             | 0.7        | 10.1       | 8.2        | 30       | <0.1       | 12.1       | 3.7        | 76       | 1.93      | 3.2        | 0.5        | 8.0        | 10.9       | 18       | <0.1       | 0.2        | 0.2        | 24       | 0.18      | 0.021      |
| 11TB0590 | Soil                             | 1.9        | 35.5       | 7.6        | 80       | 0.2        | 9.6        | 4.7        | 437      | 3.16      | 3.2        | 1.0        | 10.8       | 5.5        | 22       | 0.3        | 0.5        | 1.6        | 33       | 0.22      | 0.050      |
| 11TB0591 | Soil                             | 4.1        | 102.6      | 41.3       | 189      | 0.5        | 7.2        | 10.6       | 471      | 3.78      | 4.2        | 2.0        | 102.6      | 5.7        | 73       | 0.5        | 0.6        | 0.9        | 44       | 0.35      | 0.063      |
| 11TB0592 | Soil                             | 1.7        | 28.3       | 15.5       | 103      | 1.0        | 10.7       | 6.1        | 216      | 2.33      | 9.3        | 1.2        | 5.9        | 2.9        | 23       | 0.2        | 0.2        | 0.6        | 50       | 0.33      | 0.061      |
| 11TB0593 | Soil                             | 1.4        | 29.2       | 14.3       | 102      | 0.2        | 33.9       | 16.5       | 435      | 4.15      | 7.0        | 0.8        | 3.5        | 4.5        | 39       | 0.2        | 0.4        | 0.2        | 101      | 0.64      | 0.094      |
| 11TB0594 | Soil                             | 1.4        | 21.7       | 9.1        | 66       | 0.5        | 13.0       | 8.1        | 208      | 2.46      | 6.3        | 0.9        | 5.9        | 2.6        | 26       | 0.8        | 0.8        | 0.7        | 55       | 0.38      | 0.058      |
| 11TB0595 | Soil                             | 1.1        | 16.1       | 10.7       | 55       | 0.2        | 9.0        | 7.7        | 169      | 2.12      | 3.5        | 0.5        | 3.3        | 2.0        | 19       | 0.1        | 0.2        | 0.3        | 48       | 0.35      | 0.037      |
| 11TB0596 | Soil                             | 0.8        | 19.6       | 7.2        | 56       | 0.3        | 10.6       | 8.9        | 161      | 2.55      | 3.5        | 0.5        | 3.3        | 1.6        | 26       | <0.1       | 0.2        | 0.2        | 64       | 0.25      | 0.052      |
| 11TB0597 | Soil                             | 1.1        | 13.5       | 11.0       | 51       | 0.6        | 10.4       | 6.6        | 153      | 2.96      | 5.8        | 0.4        | 2.1        | 1.6        | 18       | 0.1        | 0.3        | 0.2        | 76       | 0.17      | 0.049      |
| 11TB0598 | Soil                             | 0.7        | 25.5       | 8.1        | 57       | <0.1       | 23.8       | 10.5       | 316      | 3.02      | 7.5        | 0.9        | 1.9        | 8.3        | 16       | 0.2        | 0.4        | 0.2        | 56       | 0.15      | 0.050      |
| 11TB0599 | Soil                             | 0.9        | 15.9       | 8.9        | 77       | <0.1       | 11.3       | 9.6        | 653      | 3.23      | 5.3        | 0.5        | 1.9        | 9.2        | 14       | 0.2        | 0.4        | 0.1        | 50       | 0.17      | 0.052      |
| 11TB0600 | Soil                             | 1.0        | 14.1       | 8.2        | 60       | <0.1       | 22.0       | 10.4       | 311      | 3.15      | 8.6        | 0.5        | 2.5        | 6.9        | 13       | <0.1       | 0.5        | 0.1        | 59       | 0.13      | 0.040      |
| 11TB0601 | Soil                             | 1.1        | 13.4       | 9.6        | 59       | <0.1       | 20.1       | 9.9        | 358      | 3.16      | 8.9        | 0.5        | 1.7        | 6.5        | 14       | <0.1       | 0.5        | 0.2        | 62       | 0.13      | 0.039      |



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**Project:** Mariposa  
**Report Date:** September 03, 2011

**Page:** 5 of 8 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 11TB0572 | Soil                             | 17    | 41    | 0.60  | 295   | 0.044 | <1    | 2.29  | 0.010 | 0.06  | <0.1  | 0.02  | 4.8   | 0.1   | <0.05 | 7     | <0.5  |
| 11TB0573 | Soil                             | 25    | 39    | 0.81  | 304   | 0.015 | <1    | 2.63  | 0.010 | 0.10  | <0.1  | 0.02  | 8.2   | 0.1   | <0.05 | 7     | <0.5  |
| 11TB0574 | Soil                             | 20    | 34    | 0.55  | 252   | 0.043 | <1    | 2.27  | 0.008 | 0.07  | 0.1   | 0.03  | 3.5   | 0.1   | <0.05 | 6     | <0.5  |
| 11TB0575 | Soil                             | 17    | 38    | 0.48  | 316   | 0.051 | 2     | 2.68  | 0.010 | 0.08  | 0.1   | 0.07  | 4.2   | 0.1   | <0.05 | 6     | <0.5  |
| 11TB0576 | Soil                             | 10    | 124   | 1.85  | 236   | 0.159 | <1    | 2.56  | 0.021 | 0.61  | 0.1   | 0.01  | 2.7   | 0.4   | <0.05 | 9     | <0.5  |
| 11TB0577 | Soil                             | 14    | 17    | 0.31  | 155   | 0.034 | <1    | 1.77  | 0.008 | 0.14  | <0.1  | <0.01 | 3.2   | 0.1   | <0.05 | 8     | <0.5  |
| 11TB0578 | Soil                             | 10    | 34    | 0.58  | 213   | 0.082 | 1     | 2.43  | 0.012 | 0.11  | 0.1   | 0.03  | 3.0   | 0.1   | <0.05 | 7     | <0.5  |
| 11TB0579 | Soil                             | 8     | 27    | 0.78  | 236   | 0.131 | <1    | 2.43  | 0.009 | 0.29  | <0.1  | 0.02  | 3.2   | 0.2   | <0.05 | 8     | <0.5  |
| 11TB0580 | Soil                             | 26    | 21    | 0.75  | 265   | 0.107 | <1    | 2.30  | 0.012 | 0.27  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 7     | <0.5  |
| 11TB0581 | Soil                             | 29    | 18    | 0.80  | 287   | 0.115 | <1    | 2.31  | 0.014 | 0.34  | <0.1  | 0.02  | 5.0   | 0.2   | <0.05 | 8     | <0.5  |
| 11TB0582 | Soil                             | 13    | 43    | 0.98  | 427   | 0.067 | <1    | 2.05  | 0.018 | 0.07  | <0.1  | 0.02  | 5.6   | <0.1  | <0.05 | 6     | <0.5  |
| 11TB0583 | Soil                             | 23    | 26    | 0.41  | 441   | 0.025 | <1    | 1.62  | 0.010 | 0.08  | <0.1  | 0.01  | 4.6   | <0.1  | <0.05 | 4     | <0.5  |
| 11TB0584 | Soil                             | 7     | 36    | 0.85  | 201   | 0.075 | <1    | 2.17  | 0.024 | 0.05  | <0.1  | 0.02  | 3.8   | <0.1  | <0.05 | 5     | <0.5  |
| 11TB0585 | Soil                             | 7     | 29    | 0.69  | 168   | 0.066 | <1    | 1.86  | 0.025 | 0.08  | <0.1  | <0.01 | 3.9   | <0.1  | <0.05 | 5     | <0.5  |
| 11TB0586 | Soil                             | 5     | 15    | 0.51  | 148   | 0.048 | <1    | 1.65  | 0.057 | 0.04  | <0.1  | 0.01  | 3.0   | <0.1  | <0.05 | 4     | <0.5  |
| 11TB0587 | Soil                             | 13    | 17    | 0.64  | 270   | 0.080 | <1    | 2.39  | 0.038 | 0.10  | <0.1  | 0.02  | 7.2   | <0.1  | <0.05 | 6     | <0.5  |
| 11TB0588 | Soil                             | 22    | 22    | 0.41  | 263   | 0.048 | 1     | 1.36  | 0.009 | 0.09  | 0.1   | 0.02  | 2.6   | <0.1  | <0.05 | 5     | <0.5  |
| 11TB0589 | Soil                             | 40    | 15    | 0.22  | 283   | 0.007 | <1    | 1.73  | 0.007 | 0.08  | <0.1  | 0.02  | 2.3   | 0.1   | <0.05 | 4     | <0.5  |
| 11TB0590 | Soil                             | 25    | 13    | 0.27  | 789   | 0.014 | <1    | 1.43  | 0.008 | 0.17  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 5     | <0.5  |
| 11TB0591 | Soil                             | 18    | 13    | 0.58  | 403   | 0.078 | <1    | 1.68  | 0.009 | 0.46  | 0.1   | 0.02  | 4.0   | 0.3   | <0.05 | 6     | <0.5  |
| 11TB0592 | Soil                             | 20    | 23    | 0.71  | 220   | 0.108 | <1    | 1.66  | 0.013 | 0.20  | 0.2   | 0.04  | 3.5   | 0.3   | <0.05 | 6     | <0.5  |
| 11TB0593 | Soil                             | 12    | 32    | 1.43  | 312   | 0.187 | <1    | 2.35  | 0.022 | 0.49  | 0.1   | 0.01  | 6.2   | 0.3   | <0.05 | 8     | <0.5  |
| 11TB0594 | Soil                             | 12    | 23    | 0.61  | 233   | 0.090 | 6     | 1.59  | 0.015 | 0.08  | 0.2   | 0.04  | 4.0   | 0.1   | <0.05 | 6     | <0.5  |
| 11TB0595 | Soil                             | 8     | 17    | 0.48  | 114   | 0.080 | 1     | 1.23  | 0.014 | 0.06  | 0.2   | 0.02  | 2.9   | 0.1   | <0.05 | 5     | <0.5  |
| 11TB0596 | Soil                             | 9     | 20    | 0.72  | 146   | 0.119 | 2     | 1.60  | 0.016 | 0.16  | <0.1  | 0.02  | 2.9   | 0.2   | <0.05 | 7     | <0.5  |
| 11TB0597 | Soil                             | 7     | 21    | 0.49  | 115   | 0.095 | <1    | 1.75  | 0.010 | 0.08  | <0.1  | 0.03  | 2.6   | 0.1   | <0.05 | 8     | <0.5  |
| 11TB0598 | Soil                             | 25    | 38    | 0.65  | 216   | 0.078 | 1     | 2.28  | 0.011 | 0.14  | <0.1  | 0.03  | 4.1   | 0.1   | <0.05 | 6     | 0.5   |
| 11TB0599 | Soil                             | 16    | 19    | 0.52  | 215   | 0.067 | <1    | 2.10  | 0.009 | 0.20  | <0.1  | 0.02  | 2.6   | 0.1   | <0.05 | 8     | <0.5  |
| 11TB0600 | Soil                             | 11    | 38    | 0.62  | 167   | 0.078 | <1    | 2.69  | 0.009 | 0.13  | <0.1  | 0.02  | 3.6   | <0.1  | <0.05 | 7     | <0.5  |
| 11TB0601 | Soil                             | 11    | 36    | 0.58  | 181   | 0.076 | <1    | 2.55  | 0.009 | 0.12  | 0.1   | 0.01  | 3.5   | 0.1   | <0.05 | 7     | <0.5  |



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Report Date: September 03, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11TB0602 | Soil                             | 1.5        | 15.8       | 8.9        | 55       | <0.1       | 31.7       | 8.9        | 388      | 3.44      | 8.8        | 0.6        | 2.1        | 7.1        | 14       | <0.1       | 0.4        | 0.1        | 61       | 0.13      |
| 11TB0603 | Soil                             | 1.1        | 20.9       | 9.3        | 58       | <0.1       | 28.7       | 11.5       | 280      | 3.42      | 10.0       | 0.5        | 1.4        | 6.1        | 15       | 0.1        | 0.5        | 0.1        | 64       | 0.17      |
| 11TB0604 | Soil                             | 0.8        | 21.7       | 8.1        | 58       | <0.1       | 21.5       | 11.5       | 410      | 3.03      | 8.1        | 0.7        | 2.4        | 6.3        | 23       | 0.1        | 0.4        | 0.1        | 60       | 0.26      |
| 11TB0605 | Soil                             | 1.0        | 24.8       | 9.5        | 59       | <0.1       | 34.8       | 12.1       | 399      | 3.40      | 6.2        | 0.9        | 3.2        | 8.8        | 29       | <0.1       | 0.5        | 0.1        | 60       | 0.29      |
| 11TB0606 | Soil                             | 3.4        | 20.1       | 10.0       | 55       | <0.1       | 31.5       | 11.7       | 306      | 3.77      | 10.4       | 0.6        | 39.8       | 6.1        | 16       | <0.1       | 0.7        | 0.2        | 66       | 0.14      |
| 11TB0607 | Soil                             | 1.2        | 28.7       | 15.4       | 73       | <0.1       | 56.1       | 15.9       | 370      | 3.60      | 3.9        | 1.0        | 6.3        | 16.7       | 43       | <0.1       | 0.4        | 0.2        | 60       | 0.44      |
| 11TB0608 | Soil                             | 2.6        | 34.7       | 6.2        | 75       | <0.1       | 43.3       | 15.8       | 508      | 4.54      | 3.7        | 0.7        | 60.4       | 4.9        | 33       | <0.1       | 0.4        | 0.1        | 84       | 0.49      |
| 11TB0609 | Soil                             | 0.6        | 55.2       | 4.7        | 45       | <0.1       | 23.9       | 11.5       | 314      | 2.47      | 2.5        | 0.4        | 12.5       | 2.0        | 34       | <0.1       | 0.2        | <0.1       | 53       | 0.62      |
| 11TB0610 | Soil                             | 1.2        | 13.7       | 6.0        | 50       | 0.1        | 13.0       | 9.0        | 827      | 2.15      | 2.5        | 1.1        | 84.6       | 3.9        | 62       | <0.1       | 0.2        | <0.1       | 41       | 0.73      |
| 11TB0611 | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      |
| 11TB0612 | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      |
| 11TB0613 | Soil                             | 2.0        | 17.5       | 9.0        | 61       | 0.1        | 13.7       | 9.7        | 496      | 2.49      | 4.4        | 1.3        | 5.8        | 5.3        | 60       | 0.2        | 0.3        | 0.1        | 54       | 0.52      |
| 11TB0614 | Soil                             | 1.3        | 17.6       | 9.9        | 52       | <0.1       | 16.6       | 9.9        | 368      | 2.48      | 4.8        | 0.9        | 4.0        | 5.7        | 48       | 0.1        | 0.3        | 0.1        | 48       | 0.49      |
| 11TB0615 | Soil                             | 0.8        | 24.2       | 6.0        | 49       | 0.1        | 15.4       | 8.6        | 279      | 2.68      | 4.0        | 0.9        | 4.4        | 3.9        | 32       | 0.2        | 0.3        | 0.1        | 59       | 0.43      |
| 11TB0616 | Soil                             | 1.3        | 23.1       | 9.2        | 57       | 0.2        | 19.2       | 9.1        | 363      | 3.04      | 5.3        | 0.7        | 6.1        | 5.4        | 28       | <0.1       | 0.3        | 0.2        | 63       | 0.36      |
| 11TB0617 | Soil                             | 1.4        | 15.7       | 10.9       | 53       | 0.1        | 14.8       | 7.6        | 375      | 2.79      | 5.7        | 0.7        | 4.6        | 6.0        | 32       | <0.1       | 0.4        | 0.2        | 52       | 0.37      |
| 11TB0618 | Soil                             | 0.9        | 16.5       | 9.8        | 52       | <0.1       | 22.8       | 9.6        | 299      | 2.97      | 7.0        | 0.5        | 24.0       | 5.7        | 29       | <0.1       | 0.4        | 0.1        | 58       | 0.36      |
| 11TB0619 | Soil                             | 1.2        | 15.8       | 9.2        | 55       | <0.1       | 16.2       | 8.3        | 340      | 2.76      | 6.1        | 0.6        | 11.3       | 6.0        | 27       | 0.1        | 0.4        | 0.2        | 55       | 0.33      |
| 11TB0620 | Soil                             | 1.0        | 14.3       | 9.4        | 48       | <0.1       | 17.9       | 8.3        | 375      | 2.74      | 6.4        | 0.8        | 10.3       | 5.6        | 27       | <0.1       | 0.4        | 0.2        | 57       | 0.35      |
| 11TB0621 | Soil                             | 1.0        | 16.0       | 8.8        | 48       | <0.1       | 17.7       | 8.8        | 400      | 2.59      | 6.7        | 0.9        | 11.1       | 6.1        | 28       | <0.1       | 0.3        | 0.1        | 55       | 0.37      |
| 11TB0622 | Soil                             | 1.2        | 27.1       | 7.0        | 41       | 0.2        | 8.7        | 3.3        | 101      | 1.71      | 9.9        | 0.6        | 3.0        | 0.8        | 17       | 0.1        | 0.3        | 0.3        | 29       | 0.21      |
| 11TB0623 | Soil                             | 1.0        | 24.5       | 6.8        | 46       | 0.2        | 10.7       | 3.7        | 110      | 1.82      | 7.5        | 0.6        | 4.1        | 0.9        | 21       | 0.2        | 0.4        | 0.2        | 34       | 0.24      |
| 11TB0624 | Soil                             | 1.3        | 30.0       | 8.9        | 59       | 0.1        | 13.5       | 5.6        | 143      | 2.75      | 8.3        | 0.8        | 17.7       | 2.3        | 20       | <0.1       | 0.4        | 0.2        | 52       | 0.25      |
| 11TB0625 | Soil                             | 1.1        | 30.4       | 9.0        | 57       | 0.1        | 12.6       | 4.7        | 124      | 2.20      | 7.3        | 0.8        | 5.4        | 1.8        | 19       | 0.2        | 0.3        | 0.3        | 43       | 0.22      |
| 11TB0626 | Soil                             | 1.0        | 17.6       | 10.3       | 59       | 0.1        | 12.9       | 5.4        | 156      | 1.99      | 9.0        | 0.9        | 3.6        | 2.4        | 12       | 0.1        | 0.3        | 0.2        | 36       | 0.17      |
| 11TB0627 | Soil                             | 1.3        | 17.2       | 9.4        | 56       | 0.1        | 16.7       | 6.0        | 150      | 1.93      | 6.1        | 0.8        | 5.7        | 1.9        | 14       | 0.1        | 0.3        | 0.3        | 37       | 0.19      |
| 11TB0628 | Soil                             | 1.4        | 21.3       | 11.7       | 57       | 0.2        | 14.0       | 5.4        | 158      | 2.23      | 7.5        | 0.9        | 3.3        | 1.5        | 12       | 0.3        | 0.3        | 0.3        | 46       | 0.13      |
| 11TB0629 | Soil                             | 1.3        | 25.9       | 12.3       | 77       | 0.3        | 57.8       | 11.5       | 292      | 3.05      | 6.3        | 1.4        | 4.8        | 6.4        | 27       | 0.1        | 0.3        | 0.2        | 57       | 0.36      |
| 11TB0630 | Soil                             | 1.2        | 17.0       | 10.7       | 66       | 0.1        | 14.3       | 7.9        | 296      | 2.35      | 6.4        | 0.7        | 2.8        | 3.1        | 15       | 0.1        | 0.3        | 0.2        | 43       | 0.22      |
| 11TB0631 | Soil                             | 1.5        | 21.1       | 10.0       | 65       | 0.3        | 14.4       | 8.4        | 274      | 2.69      | 6.7        | 0.6        | 2.0        | 3.1        | 17       | 0.1        | 0.3        | 0.2        | 54       | 0.24      |



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**Project:** Mariposa  
**Report Date:** September 03, 2011

**Page:** 6 of 8 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0602 | Soil                             | 16    | 39    | 0.59  | 205   | 0.076 | <1    | 2.04  | 0.008 | 0.12  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0603 | Soil                             | 12    | 38    | 0.63  | 185   | 0.087 | 1     | 2.39  | 0.012 | 0.08  | 0.1   | 0.03  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0604 | Soil                             | 20    | 35    | 0.63  | 237   | 0.089 | 1     | 2.02  | 0.014 | 0.07  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0605 | Soil                             | 27    | 43    | 0.55  | 620   | 0.057 | <1    | 1.92  | 0.012 | 0.08  | <0.1  | 0.02  | 5.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0606 | Soil                             | 15    | 44    | 0.55  | 225   | 0.053 | 1     | 2.35  | 0.010 | 0.06  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0607 | Soil                             | 51    | 90    | 1.12  | 503   | 0.067 | <1    | 2.33  | 0.011 | 0.11  | <0.1  | <0.01 | 6.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0608 | Soil                             | 16    | 61    | 1.01  | 515   | 0.035 | <1    | 2.41  | 0.016 | 0.08  | <0.1  | 0.01  | 8.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0609 | Soil                             | 7     | 47    | 0.97  | 468   | 0.088 | <1    | 2.10  | 0.029 | 0.07  | <0.1  | 0.01  | 4.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0610 | Soil                             | 20    | 24    | 0.51  | 437   | 0.056 | <1    | 1.22  | 0.025 | 0.08  | 0.2   | 0.03  | 3.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0611 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11TB0612 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11TB0613 | Soil                             | 38    | 28    | 0.45  | 473   | 0.051 | <1    | 1.45  | 0.013 | 0.08  | 0.1   | 0.06  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0614 | Soil                             | 28    | 32    | 0.49  | 431   | 0.060 | <1    | 1.47  | 0.015 | 0.07  | 0.1   | 0.04  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0615 | Soil                             | 26    | 31    | 0.60  | 532   | 0.050 | <1    | 1.75  | 0.017 | 0.06  | 0.1   | 0.03  | 6.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0616 | Soil                             | 23    | 32    | 0.55  | 537   | 0.067 | <1    | 1.89  | 0.014 | 0.10  | <0.1  | 0.01  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0617 | Soil                             | 26    | 26    | 0.45  | 577   | 0.056 | 1     | 1.59  | 0.011 | 0.08  | <0.1  | 0.02  | 3.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0618 | Soil                             | 18    | 34    | 0.57  | 480   | 0.061 | <1    | 1.91  | 0.013 | 0.07  | <0.1  | 0.01  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0619 | Soil                             | 21    | 29    | 0.53  | 519   | 0.063 | 1     | 1.78  | 0.014 | 0.08  | <0.1  | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0620 | Soil                             | 22    | 33    | 0.52  | 743   | 0.058 | 2     | 1.87  | 0.013 | 0.07  | 0.1   | 0.03  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0621 | Soil                             | 26    | 35    | 0.50  | 824   | 0.058 | 1     | 1.76  | 0.013 | 0.07  | 0.1   | 0.04  | 4.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0622 | Soil                             | 10    | 18    | 0.29  | 99    | 0.039 | <1    | 1.04  | 0.013 | 0.04  | 0.2   | 0.04  | 1.6   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0623 | Soil                             | 10    | 21    | 0.36  | 107   | 0.056 | 2     | 1.18  | 0.015 | 0.05  | 0.1   | 0.03  | 1.9   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11TB0624 | Soil                             | 13    | 26    | 0.44  | 120   | 0.060 | 2     | 1.52  | 0.015 | 0.06  | 0.2   | 0.03  | 2.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0625 | Soil                             | 13    | 25    | 0.40  | 120   | 0.057 | 1     | 1.48  | 0.013 | 0.05  | 0.2   | 0.04  | 2.4   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11TB0626 | Soil                             | 12    | 24    | 0.38  | 133   | 0.035 | 2     | 1.36  | 0.008 | 0.04  | 0.1   | 0.04  | 1.6   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0627 | Soil                             | 10    | 26    | 0.44  | 136   | 0.041 | 2     | 1.30  | 0.009 | 0.05  | 0.2   | 0.03  | 1.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0628 | Soil                             | 20    | 24    | 0.31  | 214   | 0.037 | 2     | 1.54  | 0.008 | 0.05  | 0.1   | 0.04  | 1.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0629 | Soil                             | 30    | 75    | 1.21  | 458   | 0.055 | 1     | 2.16  | 0.014 | 0.06  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0630 | Soil                             | 11    | 23    | 0.45  | 179   | 0.052 | 1     | 1.45  | 0.008 | 0.06  | <0.1  | <0.01 | 2.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0631 | Soil                             | 9     | 26    | 0.51  | 197   | 0.069 | 1     | 1.73  | 0.010 | 0.09  | 0.1   | <0.01 | 2.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: September 03, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |     |    |      |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V   | Ca | P    |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | %  | %    |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1 | 2  | 0.01 |
| 11TB0632 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0633 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0634 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0635 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0636 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0637 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0638 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0639 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0640 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0641 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0642 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0643 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0644 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0645 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0646 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0647 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0648 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0649 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0650 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0651 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0652 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0653 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0654 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0655 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0656 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0657 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0658 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0659 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0660 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |
| 11TB0661 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |    |      |



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Report Date: September 03, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Ti     | S      | Ga     | Se     | Te     |
|          |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11TB0632 | Soil                             | 9      | 24     | 0.47   | 155    | 0.063  | <1     | 1.51   | 0.009  | 0.06   | 0.1    | 0.03   | 2.3    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0633 | Soil                             | 9      | 25     | 0.50   | 163    | 0.066  | 1      | 1.68   | 0.009  | 0.06   | 0.1    | 0.02   | 2.4    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0634 | Soil                             | 9      | 19     | 0.66   | 200    | 0.125  | 1      | 1.88   | 0.011  | 0.25   | 0.1    | 0.04   | 3.1    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11TB0635 | Soil                             | 8      | 15     | 0.31   | 193    | 0.060  | <1     | 1.21   | 0.009  | 0.11   | <0.1   | 0.02   | 1.8    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0636 | Soil                             | 21     | 22     | 0.51   | 331    | 0.061  | <1     | 1.53   | 0.009  | 0.16   | <0.1   | 0.02   | 2.9    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0637 | Soil                             | 10     | 29     | 0.43   | 126    | 0.039  | 1      | 1.65   | 0.007  | 0.04   | 0.1    | 0.03   | 2.1    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0638 | Soil                             | 8      | 29     | 0.50   | 169    | 0.038  | <1     | 2.38   | 0.006  | 0.06   | <0.1   | 0.03   | 2.5    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0639 | Soil                             | 14     | 33     | 0.63   | 314    | 0.045  | <1     | 2.38   | 0.009  | 0.06   | <0.1   | 0.04   | 3.7    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0640 | Soil                             | 28     | 23     | 0.53   | 399    | 0.020  | <1     | 1.76   | 0.007  | 0.07   | <0.1   | 0.02   | 3.5    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0641 | Soil                             | 32     | 22     | 0.56   | 459    | 0.019  | <1     | 1.81   | 0.008  | 0.07   | <0.1   | 0.01   | 3.4    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0642 | Soil                             | 12     | 35     | 0.55   | 266    | 0.024  | 1      | 2.22   | 0.008  | 0.07   | <0.1   | 0.01   | 3.1    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0643 | Soil                             | 36     | 13     | 0.51   | 269    | 0.075  | <1     | 1.69   | 0.008  | 0.42   | <0.1   | 0.02   | 3.6    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0644 | Soil                             | 11     | 38     | 0.68   | 219    | 0.067  | <1     | 2.36   | 0.008  | 0.13   | <0.1   | <0.01  | 3.5    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11TB0645 | Soil                             | 25     | 41     | 0.85   | 552    | 0.085  | <1     | 2.13   | 0.022  | 0.26   | <0.1   | 0.02   | 4.4    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11TB0646 | Soil                             | 25     | 23     | 0.88   | 576    | 0.126  | <1     | 2.01   | 0.013  | 0.36   | <0.1   | <0.01  | 2.8    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11TB0647 | Soil                             | 27     | 18     | 0.51   | 295    | 0.070  | <1     | 1.69   | 0.008  | 0.28   | 0.1    | 0.02   | 3.5    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0648 | Soil                             | 19     | 30     | 0.51   | 281    | 0.062  | <1     | 1.90   | 0.008  | 0.08   | <0.1   | 0.03   | 2.7    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0649 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0650 | Soil                             | 19     | 42     | 0.81   | 405    | 0.086  | 1      | 2.01   | 0.011  | 0.18   | <0.1   | 0.01   | 2.9    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0651 | Soil                             | 19     | 30     | 0.50   | 244    | 0.055  | <1     | 1.66   | 0.009  | 0.05   | 0.1    | 0.02   | 3.0    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0652 | Soil                             | 28     | 24     | 0.41   | 309    | 0.053  | <1     | 1.33   | 0.007  | 0.10   | <0.1   | 0.01   | 2.3    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0653 | Soil                             | 16     | 25     | 0.34   | 242    | 0.042  | <1     | 1.51   | 0.006  | 0.04   | 0.1    | 0.02   | 2.2    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0654 | Soil                             | 10     | 33     | 0.58   | 388    | 0.041  | <1     | 1.88   | 0.007  | 0.15   | 0.1    | 0.01   | 5.2    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB0655 | Soil                             | 9      | 21     | 0.38   | 239    | 0.078  | <1     | 1.09   | 0.007  | 0.10   | <0.1   | 0.01   | 2.2    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11TB0656 | Soil                             | 6      | 39     | 1.39   | 301    | 0.172  | <1     | 2.19   | 0.020  | 0.54   | <0.1   | <0.01  | 5.0    | 0.2    | <0.05  | 11     | <0.5   | <0.2   |
| 11TB0657 | Soil                             | 14     | 26     | 0.42   | 569    | 0.044  | <1     | 1.25   | 0.010  | 0.07   | <0.1   | 0.01   | 3.0    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0658 | Soil                             | 13     | 20     | 0.31   | 340    | 0.030  | <1     | 1.08   | 0.008  | 0.04   | <0.1   | 0.01   | 2.0    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0659 | Soil                             | 18     | 94     | 0.69   | 294    | 0.065  | <1     | 1.63   | 0.008  | 0.05   | <0.1   | 0.02   | 2.8    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11TB0660 | Soil                             | 26     | 20     | 0.34   | 487    | 0.016  | <1     | 1.10   | 0.010  | 0.06   | 0.1    | 0.04   | 3.1    | <0.1   | 0.07   | 3      | <0.5   | <0.2   |
| 11TB0661 | Soil                             | 25     | 21     | 0.34   | 523    | 0.017  | <1     | 1.11   | 0.010  | 0.06   | <0.1   | 0.04   | 3.1    | <0.1   | <0.05  | 3      | <0.5   | <0.2   |



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Project: Mariposa  
Report Date: September 03, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| 11TB0662 | Soil                             | 2.0   | 13.8  | 13.7  | 46    | 0.1   | 14.6  | 9.4   | 329   | 2.05  | 3.7   | 2.4   | 3.8   | 4.8   | 27    | 0.1   | 0.3   | <0.1  | 37    | 0.43  | 0.050 |
| 11TB0663 | Soil                             | 4.6   | 18.5  | 10.2  | 55    | 0.1   | 20.1  | 10.5  | 459   | 2.71  | 4.0   | 4.4   | 7.2   | 6.4   | 34    | <0.1  | 0.3   | 0.1   | 47    | 0.46  | 0.055 |
| 11TB0664 | Soil                             | 1.6   | 15.7  | 12.6  | 52    | <0.1  | 20.2  | 8.4   | 308   | 2.46  | 5.0   | 1.4   | 9.1   | 6.0   | 22    | <0.1  | 0.3   | <0.1  | 47    | 0.36  | 0.057 |
| 11TB0665 | Soil                             | 1.2   | 17.8  | 8.3   | 47    | <0.1  | 19.7  | 8.5   | 218   | 2.55  | 5.0   | 0.7   | 3.2   | 5.3   | 20    | <0.1  | 0.3   | <0.1  | 51    | 0.34  | 0.075 |
| 11TB0666 | Soil                             | 1.7   | 20.2  | 9.4   | 44    | <0.1  | 17.0  | 8.2   | 275   | 2.41  | 4.3   | 0.9   | 4.4   | 5.5   | 16    | <0.1  | 0.3   | 0.1   | 46    | 0.26  | 0.059 |
| 11TB0667 | Soil                             | 1.8   | 17.9  | 8.2   | 46    | <0.1  | 15.6  | 7.2   | 256   | 2.30  | 4.0   | 0.8   | 2.3   | 4.9   | 12    | <0.1  | 0.3   | 0.1   | 43    | 0.22  | 0.055 |
| 11TB0668 | Soil                             | 1.2   | 22.9  | 12.1  | 57    | <0.1  | 27.8  | 12.6  | 306   | 3.28  | 7.0   | 0.6   | 3.8   | 4.1   | 18    | <0.1  | 0.3   | 0.1   | 61    | 0.29  | 0.066 |
| 11TB0669 | Soil                             | 0.8   | 17.2  | 9.3   | 58    | <0.1  | 19.3  | 10.6  | 402   | 2.92  | 6.9   | 0.9   | 3.0   | 4.1   | 18    | <0.1  | 0.3   | 0.1   | 53    | 0.24  | 0.067 |
| 11TB0670 | Soil                             | 3.1   | 34.1  | 8.8   | 62    | <0.1  | 29.1  | 9.1   | 231   | 3.75  | 14.2  | 1.0   | 2.8   | 4.0   | 18    | 0.1   | 0.4   | 0.2   | 57    | 0.16  | 0.041 |
| 11TB0671 | Soil                             | 1.0   | 23.2  | 9.9   | 55    | <0.1  | 16.6  | 9.5   | 344   | 3.00  | 7.7   | 0.8   | 1.6   | 2.9   | 12    | 0.1   | 0.4   | 0.2   | 61    | 0.14  | 0.037 |
| 11TB0672 | Soil                             | 1.1   | 88.5  | 12.4  | 83    | 0.4   | 12.1  | 8.9   | 501   | 3.52  | 5.7   | 0.5   | 0.8   | 1.6   | 12    | 0.1   | 0.3   | 0.2   | 59    | 0.20  | 0.063 |
| 11TB0673 | Soil                             | 1.2   | 77.4  | 9.2   | 76    | 0.2   | 20.7  | 8.0   | 273   | 2.60  | 26.1  | 0.6   | 3.2   | 2.7   | 16    | 0.2   | 0.8   | 0.2   | 50    | 0.21  | 0.041 |
| 11TB0674 | Soil                             | 4.8   | 51.8  | 31.5  | 83    | 0.5   | 14.8  | 5.1   | 210   | 2.98  | 36.5  | 0.8   | 5.3   | 3.6   | 13    | 0.5   | 2.0   | 1.1   | 58    | 0.12  | 0.027 |
| 11TB0675 | Soil                             | 1.2   | 18.0  | 11.4  | 93    | 0.1   | 21.5  | 10.6  | 1144  | 2.84  | 9.8   | 0.4   | 2.8   | 2.8   | 14    | 1.1   | 0.5   | 0.2   | 59    | 0.15  | 0.021 |
| 11TB0676 | Soil                             | 1.7   | 27.9  | 16.8  | 63    | 0.2   | 21.1  | 7.3   | 305   | 2.79  | 8.1   | 0.9   | 9.1   | 6.8   | 18    | 0.2   | 0.5   | 0.2   | 57    | 0.20  | 0.021 |
| 11TB0677 | Soil                             | 1.2   | 15.5  | 11.1  | 49    | 0.2   | 12.7  | 5.4   | 202   | 2.17  | 6.4   | 0.6   | 2.2   | 3.9   | 12    | 0.2   | 0.4   | 0.3   | 46    | 0.14  | 0.023 |
| 11TB0678 | Soil                             | 0.8   | 19.7  | 13.7  | 68    | <0.1  | 28.2  | 13.4  | 430   | 3.69  | 7.3   | 0.5   | 2.8   | 3.9   | 22    | <0.1  | 0.3   | 0.1   | 78    | 0.31  | 0.028 |
| 11TB0679 | Soil                             | 0.9   | 15.2  | 14.4  | 70    | 0.2   | 37.6  | 11.5  | 374   | 3.11  | 2.6   | 0.7   | 1.7   | 5.0   | 33    | 0.1   | 0.3   | <0.1  | 46    | 0.46  | 0.107 |
| 11TB0680 | Soil                             | 1.0   | 19.2  | 11.6  | 74    | <0.1  | 20.5  | 10.9  | 279   | 3.91  | 5.8   | 0.4   | 1.1   | 3.4   | 12    | 0.1   | 0.4   | <0.1  | 63    | 0.14  | 0.034 |
| 11TB0681 | Soil                             | 1.0   | 18.3  | 10.3  | 82    | <0.1  | 21.3  | 12.1  | 308   | 3.84  | 4.8   | 0.5   | 1.8   | 3.9   | 14    | <0.1  | 0.4   | <0.1  | 61    | 0.15  | 0.039 |



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**Project:** Mariposa  
**Report Date:** September 03, 2011

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## CERTIFICATE OF ANALYSIS

WHI11000995.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0662 | Soil                             | 21    | 23    | 0.40  | 378   | 0.031 | <1    | 1.26  | 0.012 | 0.04  | 0.2   | 0.05  | 3.5   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0663 | Soil                             | 33    | 35    | 0.59  | 409   | 0.055 | <1    | 1.88  | 0.012 | 0.07  | 0.1   | 0.04  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0664 | Soil                             | 24    | 36    | 0.51  | 327   | 0.056 | <1    | 1.46  | 0.013 | 0.05  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0665 | Soil                             | 16    | 36    | 0.61  | 223   | 0.060 | <1    | 1.67  | 0.010 | 0.05  | <0.1  | <0.01 | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0666 | Soil                             | 21    | 34    | 0.56  | 180   | 0.067 | <1    | 1.60  | 0.010 | 0.07  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0667 | Soil                             | 20    | 30    | 0.48  | 133   | 0.068 | <1    | 1.40  | 0.008 | 0.10  | 0.1   | 0.01  | 2.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0668 | Soil                             | 12    | 42    | 0.71  | 221   | 0.087 | <1    | 2.29  | 0.012 | 0.09  | 0.1   | <0.01 | 3.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0669 | Soil                             | 14    | 31    | 0.61  | 222   | 0.058 | <1    | 1.83  | 0.009 | 0.17  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0670 | Soil                             | 10    | 43    | 0.52  | 141   | 0.031 | <1    | 2.70  | 0.012 | 0.05  | <0.1  | 0.02  | 2.9   | 0.1   | 0.06  | 6     | 0.7   | <0.2  |
| 11TB0671 | Soil                             | 10    | 32    | 0.55  | 177   | 0.080 | <1    | 2.19  | 0.009 | 0.11  | 0.1   | 0.02  | 2.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0672 | Soil                             | 6     | 20    | 0.89  | 170   | 0.100 | <1    | 2.39  | 0.008 | 0.35  | 0.1   | 0.02  | 1.4   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0673 | Soil                             | 10    | 29    | 0.65  | 156   | 0.072 | <1    | 1.76  | 0.010 | 0.09  | 0.1   | 0.02  | 2.3   | 0.1   | 0.05  | 5     | <0.5  | 0.2   |
| 11TB0674 | Soil                             | 16    | 27    | 0.35  | 264   | 0.024 | <1    | 1.78  | 0.010 | 0.08  | 0.1   | 0.02  | 2.2   | 0.2   | 0.07  | 7     | <0.5  | 0.2   |
| 11TB0675 | Soil                             | 8     | 33    | 0.45  | 314   | 0.048 | <1    | 1.82  | 0.008 | 0.06  | 0.1   | 0.02  | 2.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0676 | Soil                             | 26    | 38    | 0.49  | 305   | 0.048 | <1    | 2.00  | 0.011 | 0.07  | 0.1   | 0.01  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0677 | Soil                             | 14    | 24    | 0.32  | 173   | 0.047 | <1    | 1.50  | 0.008 | 0.08  | 0.1   | 0.01  | 2.2   | 0.1   | 0.05  | 6     | <0.5  | <0.2  |
| 11TB0678 | Soil                             | 13    | 55    | 1.03  | 401   | 0.126 | <1    | 2.34  | 0.015 | 0.11  | <0.1  | 0.02  | 5.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0679 | Soil                             | 19    | 45    | 0.91  | 912   | 0.024 | <1    | 1.84  | 0.011 | 0.12  | <0.1  | 0.02  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0680 | Soil                             | 9     | 37    | 0.73  | 180   | 0.031 | <1    | 2.23  | 0.009 | 0.13  | <0.1  | 0.02  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0681 | Soil                             | 11    | 38    | 0.77  | 191   | 0.035 | <1    | 2.17  | 0.011 | 0.16  | <0.1  | 0.01  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |



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Project: Mariposa

Report Date: September 03, 2011

Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11000995.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11TB0482            | Soil                             | 1.3   | 23.4  | 10.6  | 65    | 0.1   | 15.4  | 9.4   | 459   | 3.52  | 7.8   | 0.5   | 2.5   | 3.5   | 33    | <0.1  | 0.4   | 0.2   | 78    | 0.37  |
| REP 11TB0482        | QC                               | 1.3   | 23.4  | 10.0  | 64    | 0.1   | 15.4  | 9.4   | 460   | 3.51  | 8.1   | 0.5   | 1.1   | 3.4   | 34    | 0.1   | 0.4   | 0.2   | 77    | 0.37  |
| 11TB0504            | Soil                             | 1.2   | 21.1  | 8.6   | 75    | <0.1  | 15.9  | 8.2   | 465   | 3.29  | 5.6   | 0.7   | 1.6   | 5.1   | 17    | <0.1  | 0.4   | 0.1   | 58    | 0.18  |
| REP 11TB0504        | QC                               | 1.1   | 21.4  | 8.7   | 78    | <0.1  | 16.2  | 8.3   | 485   | 3.36  | 6.0   | 0.7   | 2.3   | 5.1   | 18    | <0.1  | 0.4   | 0.1   | 59    | 0.19  |
| 11TB0531            | Soil                             | 1.5   | 14.1  | 10.1  | 43    | <0.1  | 12.0  | 5.9   | 199   | 3.00  | 8.9   | 0.4   | 2.3   | 5.7   | 12    | <0.1  | 0.4   | 0.1   | 40    | 0.08  |
| REP 11TB0531        | QC                               | 1.4   | 14.0  | 9.8   | 43    | <0.1  | 11.4  | 5.8   | 190   | 2.94  | 8.7   | 0.4   | 1.6   | 5.6   | 11    | <0.1  | 0.4   | <0.1  | 39    | 0.08  |
| 11TB0544            | Soil                             | 1.1   | 24.2  | 10.6  | 50    | <0.1  | 18.9  | 7.8   | 341   | 2.55  | 8.6   | 0.9   | 17.3  | 5.8   | 26    | 0.1   | 0.4   | 0.2   | 56    | 0.36  |
| REP 11TB0544        | QC                               | 1.2   | 24.3  | 10.4  | 50    | <0.1  | 19.3  | 7.8   | 338   | 2.57  | 8.8   | 0.9   | 19.1  | 5.9   | 25    | <0.1  | 0.4   | 0.2   | 55    | 0.36  |
| 11TB0563            | Soil                             | 1.4   | 43.4  | 49.7  | 101   | 0.2   | 13.9  | 8.5   | 438   | 2.72  | 5.0   | 0.9   | 9.7   | 3.8   | 28    | 0.3   | 0.3   | 0.2   | 53    | 0.54  |
| REP 11TB0563        | QC                               | 1.5   | 43.3  | 49.7  | 101   | 0.2   | 14.0  | 8.4   | 441   | 2.75  | 5.4   | 0.9   | 11.6  | 3.8   | 27    | 0.3   | 0.3   | 0.2   | 52    | 0.54  |
| 11TB0573            | Soil                             | 0.8   | 28.2  | 6.8   | 68    | <0.1  | 22.1  | 15.9  | 508   | 4.24  | 3.5   | 0.7   | 1.4   | 7.4   | 22    | <0.1  | 0.4   | <0.1  | 69    | 0.38  |
| REP 11TB0573        | QC                               | 0.8   | 28.3  | 6.9   | 67    | <0.1  | 21.9  | 15.8  | 510   | 4.18  | 3.7   | 0.7   | 1.8   | 7.7   | 21    | <0.1  | 0.3   | <0.1  | 67    | 0.37  |
| 11TB0599            | Soil                             | 0.9   | 15.9  | 8.9   | 77    | <0.1  | 11.3  | 9.6   | 653   | 3.23  | 5.3   | 0.5   | 1.9   | 9.2   | 14    | 0.2   | 0.4   | 0.1   | 50    | 0.17  |
| REP 11TB0599        | QC                               | 0.9   | 16.0  | 8.8   | 75    | <0.1  | 11.2  | 9.5   | 656   | 3.19  | 5.2   | 0.5   | 0.8   | 9.4   | 15    | <0.1  | 0.4   | 0.1   | 52    | 0.16  |
| 11TB0618            | Soil                             | 0.9   | 16.5  | 9.8   | 52    | <0.1  | 22.8  | 9.6   | 299   | 2.97  | 7.0   | 0.5   | 24.0  | 5.7   | 29    | <0.1  | 0.4   | 0.1   | 58    | 0.36  |
| REP 11TB0618        | QC                               | 1.0   | 16.0  | 9.8   | 51    | <0.1  | 21.2  | 9.3   | 282   | 2.83  | 6.9   | 0.5   | 28.8  | 5.3   | 28    | <0.1  | 0.4   | 0.1   | 56    | 0.36  |
| 11TB0634            | Soil                             | 1.0   | 24.3  | 13.7  | 67    | 0.5   | 10.3  | 8.6   | 221   | 2.76  | 4.0   | 0.6   | 2.5   | 2.1   | 13    | 0.1   | 0.2   | 0.3   | 64    | 0.24  |
| REP 11TB0634        | QC                               | 1.0   | 23.9  | 13.3  | 66    | 0.5   | 10.5  | 8.6   | 208   | 2.66  | 3.8   | 0.6   | 1.7   | 2.0   | 13    | 0.1   | 0.1   | 0.2   | 61    | 0.24  |
| 11TB0651            | Soil                             | 1.4   | 19.7  | 7.8   | 49    | <0.1  | 19.7  | 8.2   | 325   | 2.51  | 6.0   | 0.6   | 3.5   | 5.8   | 15    | <0.1  | 0.3   | <0.1  | 47    | 0.18  |
| REP 11TB0651        | QC                               | 1.4   | 19.5  | 8.2   | 49    | <0.1  | 19.9  | 8.3   | 329   | 2.56  | 6.2   | 0.6   | 4.7   | 5.9   | 15    | <0.1  | 0.3   | 0.1   | 47    | 0.18  |
| 11TB0664            | Soil                             | 1.6   | 15.7  | 12.6  | 52    | <0.1  | 20.2  | 8.4   | 308   | 2.46  | 5.0   | 1.4   | 9.1   | 6.0   | 22    | <0.1  | 0.3   | <0.1  | 47    | 0.36  |
| REP 11TB0664        | QC                               | 1.6   | 15.5  | 11.6  | 51    | <0.1  | 19.9  | 8.3   | 309   | 2.37  | 4.7   | 1.4   | 5.3   | 5.7   | 22    | <0.1  | 0.3   | 0.1   | 46    | 0.35  |
| 11TB0681            | Soil                             | 1.0   | 18.3  | 10.3  | 82    | <0.1  | 21.3  | 12.1  | 308   | 3.84  | 4.8   | 0.5   | 1.8   | 3.9   | 14    | <0.1  | 0.4   | <0.1  | 61    | 0.15  |
| REP 11TB0681        | QC                               | 0.9   | 18.5  | 10.2  | 76    | <0.1  | 20.3  | 11.7  | 309   | 3.78  | 4.7   | 0.5   | 0.7   | 4.0   | 13    | <0.1  | 0.4   | <0.1  | 59    | 0.15  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard                         | 13.4  | 108.0 | 128.3 | 312   | 1.8   | 38.5  | 7.5   | 621   | 2.47  | 25.0  | 2.8   | 116.4 | 6.9   | 70    | 2.5   | 5.7   | 6.9   | 42    | 0.72  |
| STD DS8             | Standard                         | 13.1  | 113.8 | 129.1 | 315   | 1.8   | 38.3  | 7.9   | 628   | 2.53  | 25.6  | 2.8   | 119.2 | 6.9   | 69    | 2.4   | 6.0   | 7.0   | 43    | 0.70  |
| STD DS8             | Standard                         | 14.2  | 110.7 | 128.6 | 313   | 1.8   | 39.3  | 7.8   | 633   | 2.54  | 26.0  | 2.9   | 117.8 | 7.2   | 72    | 2.5   | 6.1   | 7.2   | 43    | 0.73  |



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Project: Mariposa

Report Date: September 03, 2011

Page: 1 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11000995.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11TB0482            | Soil                             | 8     | 34    | 0.81  | 274   | 0.113 | 1     | 1.95  | 0.012 | 0.12  | 0.2   | 0.02  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0482        | QC                               | 8     | 34    | 0.79  | 274   | 0.113 | 1     | 1.96  | 0.012 | 0.12  | 0.2   | 0.02  | 3.1   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0504            | Soil                             | 19    | 28    | 0.73  | 262   | 0.125 | <1    | 2.08  | 0.012 | 0.20  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0504        | QC                               | 19    | 28    | 0.76  | 267   | 0.127 | <1    | 2.09  | 0.011 | 0.20  | 0.1   | 0.03  | 5.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0531            | Soil                             | 10    | 21    | 0.35  | 176   | 0.033 | <1    | 2.18  | 0.007 | 0.10  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11TB0531        | QC                               | 10    | 20    | 0.35  | 169   | 0.032 | <1    | 2.06  | 0.006 | 0.10  | <0.1  | 0.02  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0544            | Soil                             | 19    | 34    | 0.53  | 302   | 0.074 | <1    | 1.73  | 0.013 | 0.05  | 0.1   | 0.02  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11TB0544        | QC                               | 19    | 35    | 0.54  | 305   | 0.072 | <1    | 1.68  | 0.013 | 0.05  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0563            | Soil                             | 19    | 25    | 0.54  | 816   | 0.046 | <1    | 1.68  | 0.012 | 0.11  | 0.1   | 0.04  | 3.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| REP 11TB0563        | QC                               | 19    | 25    | 0.54  | 859   | 0.039 | <1    | 1.64  | 0.011 | 0.10  | 0.1   | 0.03  | 3.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0573            | Soil                             | 25    | 39    | 0.81  | 304   | 0.015 | <1    | 2.63  | 0.010 | 0.10  | <0.1  | 0.02  | 8.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0573        | QC                               | 25    | 38    | 0.83  | 304   | 0.014 | <1    | 2.65  | 0.010 | 0.10  | <0.1  | 0.02  | 7.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0599            | Soil                             | 16    | 19    | 0.52  | 215   | 0.067 | <1    | 2.10  | 0.009 | 0.20  | <0.1  | 0.02  | 2.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11TB0599        | QC                               | 17    | 19    | 0.53  | 217   | 0.071 | 1     | 2.15  | 0.009 | 0.20  | <0.1  | 0.01  | 2.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0618            | Soil                             | 18    | 34    | 0.57  | 480   | 0.061 | <1    | 1.91  | 0.013 | 0.07  | <0.1  | 0.01  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| REP 11TB0618        | QC                               | 17    | 33    | 0.53  | 459   | 0.058 | 1     | 1.77  | 0.012 | 0.07  | <0.1  | 0.02  | 3.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0634            | Soil                             | 9     | 19    | 0.66  | 200   | 0.125 | 1     | 1.88  | 0.011 | 0.25  | 0.1   | 0.04  | 3.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0634        | QC                               | 8     | 19    | 0.65  | 194   | 0.122 | 1     | 1.89  | 0.010 | 0.28  | 0.1   | 0.03  | 3.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0651            | Soil                             | 19    | 30    | 0.50  | 244   | 0.055 | <1    | 1.66  | 0.009 | 0.05  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11TB0651        | QC                               | 19    | 31    | 0.50  | 255   | 0.055 | 1     | 1.63  | 0.009 | 0.05  | <0.1  | 0.02  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0664            | Soil                             | 24    | 36    | 0.51  | 327   | 0.056 | <1    | 1.46  | 0.013 | 0.05  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11TB0664        | QC                               | 24    | 36    | 0.48  | 317   | 0.054 | <1    | 1.42  | 0.012 | 0.05  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0681            | Soil                             | 11    | 38    | 0.77  | 191   | 0.035 | <1    | 2.17  | 0.011 | 0.16  | <0.1  | 0.01  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB0681        | QC                               | 10    | 37    | 0.76  | 187   | 0.035 | <1    | 2.21  | 0.011 | 0.16  | <0.1  | <0.01 | 3.9   | 0.1   | 0.05  | 7     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard                         | 15    | 118   | 0.63  | 292   | 0.121 | 2     | 0.95  | 0.097 | 0.45  | 3.1   | 0.19  | 2.5   | 5.5   | 0.12  | 5     | 4.7   | 4.7   |
| STD DS8             | Standard                         | 15    | 120   | 0.63  | 294   | 0.122 | 1     | 0.91  | 0.097 | 0.44  | 3.2   | 0.21  | 2.3   | 5.6   | 0.11  | 5     | 5.0   | 5.2   |
| STD DS8             | Standard                         | 16    | 122   | 0.63  | 289   | 0.125 | 3     | 0.94  | 0.096 | 0.44  | 3.1   | 0.21  | 2.6   | 5.6   | 0.11  | 5     | 5.3   | 4.8   |



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Project: Mariposa

Report Date: September 03, 2011

Page: 2 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11000995.1

|                  |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                  |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                  |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                  |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| STD DS8          | Standard | 14.3  | 108.1 | 121.9 | 312   | 1.9   | 37.8  | 7.6   | 626   | 2.54  | 25.5  | 2.6   | 111.9 | 6.6   | 63    | 2.3   | 5.5   | 6.6   | 43    | 0.70  | 0.078  |
| STD DS8          | Standard | 12.5  | 95.4  | 123.8 | 301   | 1.8   | 38.0  | 7.5   | 581   | 2.39  | 21.8  | 2.6   | 110.5 | 6.2   | 53    | 1.9   | 4.4   | 5.2   | 40    | 0.64  | 0.071  |
| STD DS8          | Standard | 11.4  | 90.1  | 119.3 | 282   | 1.7   | 35.5  | 7.0   | 556   | 2.28  | 20.3  | 2.4   | 103.5 | 6.0   | 49    | 1.8   | 4.3   | 5.0   | 36    | 0.61  | 0.068  |
| STD DS8 Expected |          | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |





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Project: Mariposa

Report Date: September 03, 2011

Page: 2 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11000995.1

|                  |          | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|------------------|----------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                  |          | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S      | Ga    | Se    | Te    |
|                  |          | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                  |          | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| STD DS8          | Standard | 15    | 119   | 0.62   | 285   | 0.110  | 3     | 0.93  | 0.091  | 0.41  | 3.1   | 0.21  | 2.2   | 5.7   | 0.14   | 5     | 5.4   | 4.8   |
| STD DS8          | Standard | 12    | 123   | 0.58   | 251   | 0.096  | 2     | 0.82  | 0.075  | 0.37  | 2.8   | 0.19  | 1.8   | 5.4   | 0.15   | 4     | 4.9   | 4.6   |
| STD DS8          | Standard | 12    | 109   | 0.56   | 235   | 0.091  | 3     | 0.79  | 0.072  | 0.38  | 2.6   | 0.18  | 1.6   | 5.2   | 0.19   | 4     | 4.8   | 4.5   |
| STD DS8 Expected |          | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK              | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK              | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK              | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK              | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK              | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK              | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 16, 2011

Report Date: September 10, 2011

Page: 1 of 9

## CERTIFICATE OF ANALYSIS

WHI11001024.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID:  
P.O. Number: 11MPS-17  
Number of Samples: 224

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 224               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 224               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 224               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 224               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: September 10, 2011

Page: 2 of 9 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB0657 | Soil |                                  | 0.9   | 58.3  | 11.4  | 89    | 0.3   | 13.2  | 7.8   | 725   | 3.15  | 7.2   | 0.4   | 10.1  | 2.0   | 14    | 0.2   | 0.5   | 0.9   | 53    | 0.10  | 0.047 |
| 11CB0658 | Soil |                                  | 1.2   | 92.7  | 12.0  | 56    | 0.6   | 16.1  | 7.0   | 256   | 2.60  | 7.7   | 0.6   | 6.2   | 3.0   | 28    | 0.1   | 0.4   | 0.3   | 60    | 0.25  | 0.031 |
| 11CB0659 | Soil |                                  | 5.5   | 85.9  | 18.3  | 170   | 0.4   | 27.6  | 7.9   | 355   | 3.83  | 71.8  | 1.4   | 4.3   | 7.3   | 25    | 0.4   | 1.0   | 0.7   | 72    | 0.21  | 0.048 |
| 11CB0660 | Soil |                                  | 3.0   | 50.4  | 15.0  | 82    | 0.4   | 9.8   | 3.5   | 186   | 2.57  | 18.8  | 0.5   | 2.7   | 2.9   | 10    | 0.3   | 0.9   | 0.6   | 62    | 0.10  | 0.045 |
| 11CB0661 | Soil |                                  | 3.5   | 56.9  | 20.8  | 99    | 0.5   | 10.0  | 4.3   | 208   | 2.89  | 20.8  | 0.6   | 4.8   | 3.8   | 12    | 0.4   | 1.0   | 0.5   | 70    | 0.10  | 0.037 |
| 11CB0662 | Soil |                                  | 1.7   | 49.8  | 18.7  | 119   | 0.2   | 21.5  | 10.6  | 590   | 2.86  | 19.8  | 0.6   | 3.7   | 4.5   | 18    | 1.0   | 1.0   | 0.7   | 57    | 0.15  | 0.031 |
| 11CB0663 | Soil |                                  | 2.8   | 54.6  | 17.3  | 126   | 0.3   | 23.2  | 6.2   | 373   | 3.15  | 24.4  | 0.8   | 4.6   | 3.8   | 30    | 0.9   | 1.2   | 0.6   | 67    | 0.35  | 0.037 |
| 11CB0664 | Soil |                                  | 0.7   | 12.9  | 8.2   | 72    | <0.1  | 15.0  | 12.7  | 629   | 3.46  | 5.1   | 0.5   | 2.8   | 3.0   | 19    | <0.1  | 0.2   | 0.1   | 86    | 0.25  | 0.054 |
| 11CB0665 | Soil |                                  | 0.8   | 14.2  | 9.6   | 50    | 0.1   | 22.9  | 7.4   | 224   | 2.77  | 5.5   | 0.4   | 1.9   | 2.7   | 18    | 0.1   | 0.3   | 0.2   | 62    | 0.19  | 0.048 |
| 11CB0666 | Soil |                                  | 0.8   | 13.9  | 12.6  | 61    | <0.1  | 19.4  | 10.0  | 432   | 2.64  | 4.6   | 0.6   | 2.2   | 3.3   | 34    | 0.1   | 0.2   | 0.1   | 55    | 0.37  | 0.064 |
| 11CB0667 | Soil |                                  | 1.2   | 12.3  | 11.3  | 57    | <0.1  | 15.0  | 12.2  | 836   | 2.84  | 7.7   | 0.4   | 2.0   | 2.5   | 21    | 0.2   | 0.5   | 0.2   | 66    | 0.21  | 0.043 |
| 11CB0668 | Soil |                                  | 0.7   | 23.0  | 14.3  | 65    | 0.2   | 26.3  | 10.3  | 626   | 2.63  | 1.9   | 1.2   | 4.6   | 3.3   | 77    | 0.2   | 0.4   | <0.1  | 51    | 0.97  | 0.089 |
| 11CB0669 | Soil |                                  | 1.3   | 12.3  | 9.1   | 61    | 0.1   | 13.1  | 7.1   | 282   | 2.27  | 2.5   | 0.9   | 2.7   | 4.5   | 33    | 0.1   | 0.2   | 0.1   | 48    | 0.36  | 0.073 |
| 11CB0670 | Soil |                                  | 1.9   | 24.8  | 8.9   | 68    | <0.1  | 50.2  | 13.8  | 465   | 2.83  | 2.3   | 1.1   | 4.7   | 6.2   | 72    | 0.2   | 0.2   | <0.1  | 53    | 0.68  | 0.123 |
| 11CB0671 | Soil |                                  | 1.8   | 16.1  | 8.5   | 51    | <0.1  | 16.2  | 7.1   | 271   | 2.60  | 4.7   | 0.6   | 1.6   | 3.7   | 57    | 0.2   | 0.4   | 0.1   | 47    | 0.50  | 0.033 |
| 11CB0672 | Soil |                                  | 0.7   | 12.8  | 9.3   | 53    | 0.1   | 13.2  | 5.3   | 157   | 1.96  | 3.5   | 0.6   | 5.1   | 2.2   | 25    | 0.1   | 0.2   | 0.1   | 42    | 0.27  | 0.051 |
| 11CB0673 | Soil |                                  | 0.6   | 15.5  | 5.9   | 90    | 0.1   | 18.7  | 8.8   | 334   | 2.75  | 1.3   | 0.5   | 2.5   | 1.4   | 23    | <0.1  | 0.2   | <0.1  | 60    | 0.43  | 0.117 |
| 11CB0674 | Soil |                                  | 0.8   | 21.3  | 7.8   | 101   | 0.2   | 17.7  | 10.9  | 514   | 3.38  | 3.3   | 0.6   | 4.0   | 3.2   | 23    | 0.2   | 0.3   | 0.1   | 76    | 0.42  | 0.109 |
| 11CB0675 | Soil |                                  | 0.7   | 13.6  | 8.8   | 82    | 0.1   | 28.3  | 12.5  | 496   | 3.05  | 3.7   | 0.9   | 8.1   | 3.5   | 33    | 0.1   | 0.4   | 0.1   | 66    | 0.49  | 0.071 |
| 11CB0676 | Soil |                                  | 1.1   | 22.1  | 6.3   | 88    | <0.1  | 30.9  | 13.8  | 609   | 3.84  | 4.2   | 1.1   | 13.8  | 5.4   | 43    | <0.1  | 0.4   | 0.1   | 91    | 0.61  | 0.075 |
| 11CB0677 | Soil |                                  | 1.2   | 19.0  | 15.4  | 55    | <0.1  | 14.6  | 6.9   | 248   | 2.51  | 5.0   | 0.7   | 14.6  | 4.4   | 19    | 0.1   | 0.4   | 0.1   | 49    | 0.21  | 0.042 |
| 11CB0678 | Soil |                                  | 1.3   | 21.6  | 8.3   | 60    | <0.1  | 20.9  | 10.6  | 318   | 3.14  | 6.2   | 0.8   | 2.3   | 3.8   | 22    | <0.1  | 0.4   | 0.2   | 69    | 0.26  | 0.049 |
| 11CB0679 | Soil |                                  | 1.1   | 15.2  | 8.7   | 62    | <0.1  | 13.9  | 10.4  | 441   | 3.73  | 7.5   | 0.4   | 3.2   | 1.6   | 14    | <0.1  | 0.4   | 0.2   | 91    | 0.16  | 0.040 |
| 11CB0680 | Soil |                                  | 0.8   | 17.3  | 10.4  | 42    | <0.1  | 15.3  | 7.1   | 252   | 2.26  | 5.7   | 0.7   | 10.8  | 3.0   | 19    | 0.1   | 0.4   | 0.2   | 56    | 0.17  | 0.032 |
| 11CB0681 | Soil |                                  | 0.8   | 15.2  | 11.4  | 39    | <0.1  | 13.3  | 6.5   | 216   | 2.14  | 5.2   | 0.6   | 8.4   | 2.7   | 17    | <0.1  | 0.4   | 0.2   | 53    | 0.16  | 0.031 |
| 11CB0682 | Soil |                                  | 0.8   | 23.1  | 8.7   | 61    | <0.1  | 21.5  | 12.7  | 429   | 3.39  | 6.4   | 0.6   | 27.1  | 5.1   | 20    | 0.2   | 0.4   | 0.2   | 64    | 0.22  | 0.046 |
| 11CB0683 | Soil |                                  | 0.8   | 14.7  | 10.1  | 48    | <0.1  | 18.1  | 8.2   | 220   | 2.60  | 7.5   | 0.7   | 13.0  | 6.3   | 19    | 0.1   | 0.4   | 0.2   | 58    | 0.20  | 0.042 |
| 11CB0684 | Soil |                                  | 1.2   | 20.8  | 10.9  | 62    | <0.1  | 26.9  | 11.5  | 263   | 3.42  | 10.1  | 0.7   | 17.3  | 6.9   | 14    | 0.2   | 0.6   | 0.2   | 66    | 0.14  | 0.029 |
| 11CB0685 | Soil |                                  | 1.0   | 11.1  | 11.5  | 38    | <0.1  | 11.6  | 6.1   | 205   | 2.44  | 5.5   | 0.6   | 7.5   | 2.8   | 17    | <0.1  | 0.4   | 0.2   | 53    | 0.14  | 0.023 |
| 11CB0686 | Soil |                                  | 1.3   | 16.0  | 10.6  | 55    | <0.1  | 19.6  | 9.6   | 255   | 3.34  | 10.0  | 0.6   | 5.5   | 4.3   | 17    | 0.2   | 1.0   | 0.2   | 65    | 0.12  | 0.029 |



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Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0657 | Soil                             | 6     | 25    | 0.58  | 208   | 0.021 | <1    | 2.13  | 0.009 | 0.09  | 0.2   | 0.02  | 1.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0658 | Soil                             | 10    | 26    | 0.53  | 194   | 0.073 | <1    | 2.01  | 0.011 | 0.06  | 0.1   | 0.03  | 2.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0659 | Soil                             | 15    | 42    | 0.56  | 150   | 0.021 | <1    | 2.15  | 0.011 | 0.07  | <0.1  | 0.02  | 3.0   | 0.1   | <0.05 | 6     | 0.8   | 0.2   |
| 11CB0660 | Soil                             | 10    | 16    | 0.32  | 104   | 0.081 | 1     | 1.16  | 0.007 | 0.08  | 0.1   | <0.01 | 1.7   | 0.2   | <0.05 | 7     | <0.5  | 0.3   |
| 11CB0661 | Soil                             | 11    | 22    | 0.37  | 121   | 0.095 | <1    | 1.43  | 0.009 | 0.08  | 0.1   | 0.01  | 2.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0662 | Soil                             | 12    | 30    | 0.48  | 328   | 0.054 | <1    | 1.88  | 0.011 | 0.07  | 0.1   | 0.02  | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0663 | Soil                             | 16    | 35    | 0.52  | 364   | 0.057 | 1     | 1.97  | 0.010 | 0.11  | 0.1   | 0.02  | 3.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0664 | Soil                             | 9     | 31    | 1.03  | 321   | 0.169 | 1     | 2.21  | 0.012 | 0.25  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| 11CB0665 | Soil                             | 11    | 36    | 0.53  | 272   | 0.054 | <1    | 1.65  | 0.008 | 0.08  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0666 | Soil                             | 13    | 31    | 0.66  | 497   | 0.061 | <1    | 1.60  | 0.011 | 0.10  | <0.1  | 0.03  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0667 | Soil                             | 9     | 27    | 0.44  | 235   | 0.055 | <1    | 1.66  | 0.011 | 0.08  | 0.1   | 0.03  | 2.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0668 | Soil                             | 29    | 33    | 0.81  | 965   | 0.049 | 2     | 1.67  | 0.015 | 0.11  | 0.1   | 0.07  | 4.9   | 0.1   | 0.05  | 6     | 1.2   | <0.2  |
| 11CB0669 | Soil                             | 23    | 26    | 0.52  | 425   | 0.058 | 1     | 1.56  | 0.011 | 0.07  | <0.1  | 0.03  | 3.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0670 | Soil                             | 41    | 49    | 0.81  | 694   | 0.090 | <1    | 1.68  | 0.010 | 0.11  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0671 | Soil                             | 17    | 37    | 0.43  | 605   | 0.039 | <1    | 1.51  | 0.009 | 0.08  | <0.1  | 0.02  | 2.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0672 | Soil                             | 18    | 24    | 0.44  | 373   | 0.048 | <1    | 1.49  | 0.011 | 0.05  | 0.1   | 0.04  | 2.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0673 | Soil                             | 10    | 32    | 0.84  | 332   | 0.135 | 1     | 1.55  | 0.018 | 0.24  | <0.1  | 0.03  | 4.7   | 0.2   | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0674 | Soil                             | 14    | 32    | 0.84  | 416   | 0.112 | 1     | 2.03  | 0.013 | 0.22  | <0.1  | 0.03  | 6.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0675 | Soil                             | 14    | 65    | 0.88  | 534   | 0.111 | 2     | 1.95  | 0.012 | 0.17  | 0.1   | 0.03  | 5.4   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11CB0676 | Soil                             | 20    | 52    | 1.37  | 726   | 0.151 | 1     | 2.36  | 0.016 | 0.33  | <0.1  | 0.03  | 8.6   | 0.2   | <0.05 | 7     | 0.5   | <0.2  |
| 11CB0677 | Soil                             | 20    | 24    | 0.49  | 322   | 0.055 | 2     | 1.75  | 0.011 | 0.07  | <0.1  | 0.01  | 2.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0678 | Soil                             | 21    | 49    | 0.72  | 345   | 0.093 | 2     | 2.15  | 0.012 | 0.09  | 0.1   | 0.04  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0679 | Soil                             | 9     | 28    | 0.65  | 144   | 0.134 | 2     | 2.12  | 0.010 | 0.16  | 0.1   | 0.01  | 3.3   | 0.1   | <0.05 | 8     | 0.6   | <0.2  |
| 11CB0680 | Soil                             | 16    | 28    | 0.45  | 232   | 0.072 | <1    | 1.68  | 0.009 | 0.05  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0681 | Soil                             | 15    | 27    | 0.42  | 203   | 0.068 | 1     | 1.58  | 0.010 | 0.05  | <0.1  | 0.02  | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0682 | Soil                             | 18    | 33    | 0.56  | 309   | 0.065 | 1     | 2.24  | 0.013 | 0.09  | <0.1  | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0683 | Soil                             | 19    | 31    | 0.52  | 261   | 0.066 | 1     | 2.09  | 0.010 | 0.05  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0684 | Soil                             | 14    | 39    | 0.53  | 200   | 0.072 | 3     | 2.61  | 0.014 | 0.06  | 0.1   | 0.01  | 3.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0685 | Soil                             | 14    | 24    | 0.35  | 269   | 0.023 | 2     | 1.83  | 0.010 | 0.05  | <0.1  | 0.01  | 2.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0686 | Soil                             | 13    | 31    | 0.48  | 223   | 0.055 | 3     | 2.15  | 0.009 | 0.06  | <0.1  | 0.02  | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11CB0687 | Soil                             | 1.7              | 21.3             | 15.5             | 56             | 0.4              | 22.5             | 9.7              | 273            | 3.00            | 9.0              | 1.0             | 5.2              | 7.6              | 16             | 0.1              | 0.8              | 0.2              | 56            | 0.14            | 0.020           |
| 11CB0688 | Soil                             | 1.7              | 16.6             | 13.5             | 47             | 0.2              | 21.6             | 7.5              | 317            | 3.06            | 7.1              | 0.9             | 5.2              | 9.3              | 22             | <0.1             | 0.6              | 0.2              | 59            | 0.25            | 0.020           |
| 11CB0689 | Soil                             | 1.8              | 11.4             | 9.4              | 45             | 0.2              | 12.6             | 5.8              | 411            | 2.23            | 3.9              | 0.6             | 11.1             | 6.0              | 19             | 0.2              | 0.6              | 0.1              | 42            | 0.17            | 0.027           |
| 11CB0690 | Soil                             | 1.4              | 9.3              | 13.8             | 44             | 0.2              | 9.6              | 4.9              | 224            | 2.47            | 4.7              | 0.7             | 12.9             | 7.0              | 19             | 0.2              | 0.7              | 0.1              | 47            | 0.21            | 0.025           |
| 11CB0691 | Soil                             | 1.2              | 18.0             | 16.2             | 64             | 0.1              | 19.4             | 8.4              | 244            | 3.13            | 5.6              | 0.8             | 8.2              | 13.7             | 17             | 0.2              | 0.7              | 0.1              | 50            | 0.17            | 0.018           |
| 11CB0692 | Soil                             | 1.8              | 23.6             | 16.1             | 60             | 0.9              | 17.2             | 10.7             | 925            | 2.64            | 4.2              | 3.2             | 67.3             | 10.8             | 45             | 0.2              | 0.6              | 0.1              | 39            | 0.91            | 0.055           |
| 11CB0693 | Soil                             | 1.7              | 16.1             | 19.0             | 47             | 0.2              | 19.2             | 7.3              | 273            | 2.66            | 6.4              | 0.8             | 7.3              | 8.0              | 24             | <0.1             | 0.7              | 0.2              | 52            | 0.25            | 0.021           |
| 11CB0694 | Soil                             | 0.7              | 19.8             | 9.3              | 63             | 0.4              | 13.8             | 6.7              | 402            | 2.77            | 3.4              | 1.8             | 17.5             | 13.5             | 43             | 0.2              | 0.6              | 0.1              | 35            | 0.77            | 0.061           |
| 11CB0695 | Soil                             | 0.8              | 18.4             | 11.0             | 55             | <0.1             | 22.2             | 9.9              | 272            | 2.97            | 9.1              | 0.6             | 2.8              | 8.3              | 15             | 0.1              | 0.7              | 0.2              | 63            | 0.13            | 0.023           |
| 11CB0696 | Soil                             | 0.8              | 17.7             | 7.5              | 67             | <0.1             | 15.9             | 7.7              | 463            | 3.23            | 5.1              | 0.6             | 7.6              | 13.1             | 23             | <0.1             | 0.4              | 0.2              | 55            | 0.27            | 0.052           |
| 11CB0697 | Soil                             | 0.9              | 16.0             | 9.5              | 59             | <0.1             | 20.5             | 9.1              | 398            | 3.39            | 6.9              | 0.7             | 6.0              | 8.1              | 23             | 0.1              | 0.4              | 0.2              | 65            | 0.23            | 0.047           |
| 11CB0698 | Soil                             | 0.8              | 15.7             | 8.8              | 51             | 0.1              | 22.4             | 8.6              | 281            | 3.13            | 8.0              | 0.6             | 5.3              | 4.8              | 25             | 0.1              | 0.4              | 0.2              | 66            | 0.27            | 0.037           |
| 11CB0699 | Soil                             | 1.0              | 14.3             | 8.9              | 51             | <0.1             | 19.0             | 8.2              | 327            | 3.23            | 6.5              | 0.9             | 4.1              | 5.7              | 19             | <0.1             | 0.4              | 0.2              | 71            | 0.17            | 0.035           |
| 11CB0700 | Soil                             | 0.9              | 16.6             | 9.5              | 55             | <0.1             | 19.8             | 8.3              | 317            | 3.11            | 8.7              | 0.6             | 3.9              | 5.7              | 15             | <0.1             | 0.4              | 0.2              | 65            | 0.15            | 0.033           |
| 11CB0701 | Soil                             | 0.9              | 14.0             | 9.1              | 49             | 0.1              | 17.1             | 7.2              | 306            | 2.95            | 7.1              | 0.6             | 9.3              | 5.7              | 14             | <0.1             | 0.6              | 0.2              | 62            | 0.12            | 0.035           |
| 11CB0702 | Soil                             | 1.2              | 17.3             | 10.6             | 49             | <0.1             | 22.4             | 9.0              | 254            | 3.08            | 9.3              | 0.6             | 6.7              | 5.1              | 18             | <0.1             | 0.5              | 0.2              | 68            | 0.17            | 0.041           |
| 11CB0703 | Soil                             | 1.2              | 24.9             | 7.9              | 57             | 0.3              | 23.7             | 9.9              | 568            | 2.49            | 4.2              | 3.2             | 13.6             | 5.5              | 77             | 0.3              | 0.5              | 0.1              | 46            | 0.85            | 0.081           |
| 11CB0704 | Soil                             | 1.1              | 17.4             | 10.4             | 50             | 0.1              | 16.2             | 7.7              | 273            | 2.49            | 6.6              | 1.0             | 5.7              | 5.6              | 27             | <0.1             | 0.4              | 0.2              | 56            | 0.28            | 0.053           |
| 11CB0705 | Soil                             | 1.7              | 41.8             | 7.3              | 66             | <0.1             | 20.6             | 10.1             | 278            | 3.85            | 8.9              | 1.3             | 4.2              | 7.4              | 39             | 0.1              | 0.4              | 0.2              | 83            | 0.46            | 0.088           |
| 11DS0662 | Soil                             | 4.0              | 99.4             | 12.9             | 107            | <0.1             | 43.7             | 9.9              | 264            | 3.66            | 10.6             | 1.5             | 0.7              | 12.3             | 27             | 0.2              | 0.6              | 0.8              | 39            | 0.39            | 0.062           |
| 11DS0663 | Soil                             | 1.6              | 170.1            | 13.6             | 209            | <0.1             | 9.4              | 9.4              | 641            | 3.85            | 4.1              | 0.9             | 1.7              | 3.7              | 28             | 0.5              | 0.5              | 0.5              | 40            | 0.41            | 0.099           |
| 11DS0664 | Soil                             | 1.2              | 155.6            | 8.0              | 88             | <0.1             | 17.9             | 12.1             | 440            | 3.06            | 5.0              | 0.6             | 4.0              | 3.1              | 28             | 0.1              | 0.4              | 0.3              | 53            | 0.33            | 0.065           |
| 11DS0665 | Soil                             | 11.8             | 99.3             | 6.4              | 142            | 0.2              | 27.1             | 23.3             | 644            | 4.80            | 7.4              | 1.6             | 3.4              | 6.6              | 18             | 0.3              | 0.4              | 2.1              | 85            | 0.19            | 0.077           |
| 11DS0666 | Soil                             | 3.1              | 40.0             | 13.2             | 64             | 0.4              | 20.5             | 9.4              | 277            | 3.51            | 14.3             | 1.2             | 3.4              | 6.2              | 20             | 0.1              | 0.7              | 0.5              | 75            | 0.16            | 0.036           |
| 11DS0667 | Soil                             | 1.3              | 11.4             | 15.0             | 108            | 0.4              | 12.5             | 7.3              | 405            | 3.68            | 11.0             | 0.4             | 2.3              | 1.9              | 15             | 0.7              | 0.5              | 0.3              | 93            | 0.11            | 0.092           |
| 11DS0668 | Soil                             | 2.0              | 35.0             | 19.4             | 78             | 0.3              | 25.9             | 9.0              | 282            | 3.24            | 45.9             | 0.8             | 5.0              | 6.7              | 20             | 0.2              | 0.9              | 0.5              | 68            | 0.18            | 0.025           |
| 11DS0669 | Soil                             | 2.6              | 22.4             | 13.3             | 71             | 0.2              | 15.3             | 5.7              | 283            | 2.87            | 13.6             | 0.9             | 0.6              | 6.0              | 21             | 0.4              | 0.9              | 0.6              | 62            | 0.19            | 0.030           |
| 11DS0670 | Soil                             | 1.3              | 33.9             | 14.9             | 92             | <0.1             | 25.5             | 10.6             | 488            | 3.36            | 9.2              | 1.3             | 14.0             | 10.6             | 28             | 0.1              | 0.8              | 0.4              | 65            | 0.27            | 0.020           |
| 11DS0671 | Soil                             | 1.5              | 34.2             | 71.7             | 283            | 0.1              | 18.7             | 11.1             | 533            | 3.94            | 7.9              | 0.7             | 3.7              | 6.1              | 21             | 0.5              | 0.6              | 0.6              | 83            | 0.23            | 0.029           |
| 11DS0672 | Soil                             | 2.5              | 97.5             | 14.3             | 137            | 0.4              | 14.9             | 14.4             | 398            | 4.24            | 2.9              | 0.8             | 2.3              | 3.2              | 30             | 0.3              | 0.2              | 0.4              | 97            | 0.52            | 0.110           |



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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB0687 | Soil                             | 14    | 34    | 0.52  | 471   | 0.035 | 3     | 2.63  | 0.010 | 0.08  | 0.1   | 0.04  | 4.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0688 | Soil                             | 24    | 34    | 0.54  | 805   | 0.044 | 2     | 2.37  | 0.015 | 0.09  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0689 | Soil                             | 23    | 18    | 0.30  | 353   | 0.023 | 2     | 1.39  | 0.008 | 0.11  | 0.1   | 0.01  | 2.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0690 | Soil                             | 30    | 18    | 0.33  | 262   | 0.047 | 2     | 1.44  | 0.011 | 0.11  | <0.1  | 0.01  | 2.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0691 | Soil                             | 25    | 29    | 0.54  | 262   | 0.050 | 1     | 2.49  | 0.009 | 0.13  | <0.1  | 0.02  | 3.9   | 0.2   | <0.05 | 6     | 0.7   | <0.2  |
| 11CB0692 | Soil                             | 100   | 25    | 0.44  | 823   | 0.034 | 3     | 1.87  | 0.012 | 0.12  | 0.1   | 0.10  | 6.4   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11CB0693 | Soil                             | 34    | 29    | 0.48  | 384   | 0.046 | 1     | 1.84  | 0.009 | 0.09  | <0.1  | 0.03  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0694 | Soil                             | 54    | 18    | 0.45  | 658   | 0.049 | 1     | 1.65  | 0.011 | 0.18  | 0.1   | 0.06  | 4.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0695 | Soil                             | 20    | 39    | 0.55  | 236   | 0.059 | <1    | 2.44  | 0.009 | 0.06  | 0.1   | 0.02  | 3.3   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11CB0696 | Soil                             | 36    | 24    | 0.53  | 234   | 0.088 | 1     | 1.72  | 0.011 | 0.26  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0697 | Soil                             | 24    | 36    | 0.60  | 271   | 0.090 | <1    | 2.17  | 0.011 | 0.14  | 0.1   | 0.02  | 3.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB0698 | Soil                             | 13    | 38    | 0.64  | 243   | 0.086 | <1    | 1.96  | 0.011 | 0.08  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0699 | Soil                             | 22    | 34    | 0.60  | 225   | 0.090 | <1    | 2.31  | 0.012 | 0.10  | <0.1  | 0.03  | 3.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0700 | Soil                             | 13    | 33    | 0.58  | 163   | 0.080 | 1     | 2.15  | 0.010 | 0.09  | 0.2   | 0.02  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0701 | Soil                             | 16    | 31    | 0.56  | 161   | 0.082 | <1    | 1.99  | 0.010 | 0.10  | <0.1  | 0.02  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0702 | Soil                             | 16    | 31    | 0.55  | 215   | 0.078 | <1    | 2.18  | 0.011 | 0.08  | 0.1   | 0.03  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0703 | Soil                             | 48    | 46    | 0.57  | 714   | 0.050 | <1    | 2.03  | 0.014 | 0.10  | 0.1   | 0.08  | 5.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11CB0704 | Soil                             | 27    | 28    | 0.51  | 251   | 0.093 | 1     | 1.84  | 0.012 | 0.07  | 0.1   | 0.03  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0705 | Soil                             | 31    | 43    | 0.77  | 349   | 0.138 | <1    | 2.49  | 0.021 | 0.12  | <0.1  | 0.02  | 3.5   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11DS0662 | Soil                             | 13    | 29    | 0.52  | 142   | 0.013 | <1    | 1.69  | 0.008 | 0.07  | <0.1  | 0.01  | 2.5   | 0.1   | <0.05 | 4     | 1.6   | 0.4   |
| 11DS0663 | Soil                             | 18    | 13    | 0.78  | 312   | 0.039 | <1    | 2.19  | 0.010 | 0.27  | <0.1  | <0.01 | 3.5   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0664 | Soil                             | 14    | 23    | 1.10  | 186   | 0.171 | <1    | 2.82  | 0.015 | 0.19  | 0.2   | 0.02  | 2.4   | 0.3   | <0.05 | 6     | 0.8   | 0.3   |
| 11DS0665 | Soil                             | 14    | 30    | 1.15  | 260   | 0.229 | <1    | 3.50  | 0.014 | 0.74  | 0.2   | 0.02  | 4.7   | 0.3   | <0.05 | 9     | 0.6   | 0.5   |
| 11DS0666 | Soil                             | 17    | 36    | 0.50  | 203   | 0.101 | <1    | 2.57  | 0.012 | 0.07  | 0.1   | 0.04  | 3.7   | 0.1   | <0.05 | 7     | 0.8   | 0.3   |
| 11DS0667 | Soil                             | 10    | 36    | 0.26  | 170   | 0.069 | <1    | 2.17  | 0.008 | 0.04  | 0.1   | 0.03  | 2.1   | <0.1  | <0.05 | 9     | 0.6   | <0.2  |
| 11DS0668 | Soil                             | 16    | 40    | 0.55  | 322   | 0.067 | 1     | 2.62  | 0.011 | 0.08  | 0.1   | 0.02  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | 0.2   |
| 11DS0669 | Soil                             | 19    | 28    | 0.36  | 258   | 0.068 | 1     | 1.55  | 0.009 | 0.10  | 0.1   | 0.02  | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0670 | Soil                             | 34    | 37    | 0.65  | 337   | 0.130 | <1    | 2.20  | 0.014 | 0.16  | 0.1   | 0.01  | 5.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0671 | Soil                             | 13    | 27    | 0.90  | 225   | 0.185 | <1    | 2.66  | 0.012 | 0.34  | 0.1   | 0.01  | 4.9   | 0.3   | <0.05 | 8     | 0.5   | <0.2  |
| 11DS0672 | Soil                             | 11    | 25    | 1.55  | 289   | 0.285 | 1     | 3.21  | 0.026 | 0.94  | 0.2   | 0.01  | 4.0   | 0.6   | <0.05 | 9     | <0.5  | 0.5   |



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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte | Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |
|----------|-------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                   |             | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                   |             | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                   |             | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS0673 | Soil              |             | 0.3   | 6.6   | 2.8   | 98    | <0.1  | 124.1 | 28.0  | 755   | 5.43  | 2.6   | 0.3   | 0.5   | 1.5   | 32    | <0.1  | 0.1   | <0.1  | 149   | 0.50  | 0.140 |
| 11DS0674 | Soil              |             | 0.8   | 17.9  | 9.6   | 56    | <0.1  | 21.1  | 10.1  | 380   | 2.96  | 6.2   | 0.8   | 1.4   | 4.2   | 28    | <0.1  | 0.3   | 0.1   | 69    | 0.31  | 0.030 |
| 11DS0675 | Soil              |             | 0.6   | 20.6  | 8.9   | 111   | <0.1  | 65.1  | 18.0  | 879   | 4.78  | 5.2   | 1.0   | 3.0   | 5.2   | 43    | <0.1  | 0.4   | 0.1   | 93    | 0.61  | 0.097 |
| 11DS0676 | Soil              |             | 0.7   | 19.6  | 9.7   | 68    | <0.1  | 15.7  | 10.0  | 345   | 3.35  | 5.4   | 0.8   | 2.4   | 15.5  | 30    | <0.1  | 0.5   | 0.1   | 53    | 0.35  | 0.042 |
| 11DS0677 | Soil              |             | 0.8   | 22.8  | 9.6   | 64    | <0.1  | 23.2  | 11.9  | 412   | 3.44  | 7.0   | 0.8   | 2.3   | 11.1  | 24    | <0.1  | 0.4   | 0.2   | 66    | 0.25  | 0.031 |
| 11DS0678 | Soil              |             | 1.1   | 25.7  | 12.9  | 57    | 0.2   | 28.5  | 11.0  | 550   | 2.90  | 7.1   | 1.4   | 3.7   | 6.8   | 50    | <0.1  | 0.4   | 0.2   | 63    | 0.48  | 0.059 |
| 11DS0679 | Soil              |             | 1.3   | 19.3  | 9.7   | 58    | 0.1   | 18.5  | 9.5   | 414   | 2.94  | 7.7   | 1.1   | 2.6   | 6.3   | 30    | 0.1   | 0.3   | 0.2   | 63    | 0.30  | 0.050 |
| 11DS0680 | Soil              |             | 1.3   | 21.9  | 9.1   | 58    | <0.1  | 33.6  | 11.3  | 316   | 3.02  | 5.8   | 1.0   | 3.0   | 10.6  | 32    | <0.1  | 0.5   | 0.1   | 64    | 0.34  | 0.072 |
| 11DS0681 | Soil              |             | 1.1   | 22.3  | 7.7   | 57    | <0.1  | 35.0  | 11.2  | 332   | 3.06  | 5.4   | 1.1   | 0.9   | 11.5  | 35    | <0.1  | 0.4   | 0.1   | 65    | 0.36  | 0.077 |
| 11DS0682 | Soil              |             | 1.6   | 19.3  | 10.0  | 55    | <0.1  | 16.3  | 9.1   | 310   | 2.91  | 6.7   | 0.6   | 4.2   | 4.4   | 20    | 0.1   | 0.5   | 0.2   | 63    | 0.17  | 0.045 |
| 11DS0683 | Soil              |             | 1.6   | 49.3  | 6.4   | 94    | <0.1  | 5.1   | 19.6  | 1024  | 5.76  | 3.0   | 0.5   | 0.6   | 3.5   | 20    | 0.1   | 0.5   | 0.1   | 143   | 0.68  | 0.265 |
| 11DS0684 | Soil              |             | 0.9   | 33.1  | 10.1  | 61    | <0.1  | 22.7  | 10.2  | 392   | 3.05  | 8.4   | 1.0   | 9.2   | 5.2   | 33    | 0.1   | 0.5   | 0.2   | 65    | 0.34  | 0.070 |
| 11DS0685 | Soil              |             | 1.7   | 213.9 | 6.8   | 109   | <0.1  | 33.3  | 18.9  | 977   | 3.37  | 3.1   | 0.5   | <0.5  | 2.5   | 27    | <0.1  | 1.2   | 0.1   | 51    | 0.48  | 0.178 |
| 11DS0686 | Soil              |             | 1.6   | 194.5 | 8.6   | 86    | 0.1   | 27.5  | 11.7  | 344   | 3.32  | 72.8  | 1.1   | 3.5   | 3.5   | 29    | <0.1  | 0.8   | 0.2   | 56    | 0.31  | 0.066 |
| 11DS0687 | Soil              |             | 0.7   | 44.4  | 6.8   | 56    | <0.1  | 13.6  | 9.3   | 349   | 2.76  | 5.6   | 0.9   | 2.5   | 7.0   | 26    | <0.1  | 0.5   | 0.1   | 44    | 0.25  | 0.050 |
| 11DS0688 | Soil              |             | 0.6   | 24.0  | 7.1   | 61    | <0.1  | 17.2  | 10.0  | 383   | 2.98  | 5.8   | 0.6   | 5.4   | 5.6   | 20    | <0.1  | 2.2   | 0.1   | 42    | 0.17  | 0.031 |
| 11DS0689 | Soil              |             | 1.3   | 18.8  | 10.8  | 54    | <0.1  | 25.1  | 10.8  | 316   | 3.15  | 7.4   | 0.7   | 6.0   | 4.0   | 21    | <0.1  | 0.6   | 0.2   | 67    | 0.19  | 0.040 |
| 11DS0690 | Soil              |             | 1.4   | 36.9  | 11.9  | 68    | <0.1  | 37.9  | 13.9  | 567   | 3.36  | 7.3   | 1.1   | 15.9  | 5.7   | 35    | <0.1  | 0.7   | 0.2   | 63    | 0.36  | 0.069 |
| 11DS0691 | Soil              |             | 1.5   | 49.9  | 8.9   | 70    | <0.1  | 18.8  | 12.7  | 394   | 3.64  | 8.3   | 0.7   | 3.5   | 5.0   | 15    | 0.1   | 0.6   | 0.2   | 72    | 0.13  | 0.036 |
| 11DS0692 | Soil              |             | 1.0   | 42.5  | 7.1   | 59    | <0.1  | 10.5  | 7.5   | 322   | 2.81  | 3.2   | 0.5   | 3.9   | 9.2   | 24    | <0.1  | 0.5   | <0.1  | 34    | 0.18  | 0.024 |
| 11DS0693 | Soil              |             | 0.7   | 25.8  | 6.9   | 79    | <0.1  | 17.4  | 12.5  | 724   | 3.68  | 3.9   | 0.9   | 7.2   | 10.3  | 36    | <0.1  | 0.4   | 0.1   | 64    | 0.47  | 0.071 |
| 11DS0694 | Soil              |             | 1.6   | 14.8  | 10.5  | 47    | 0.1   | 12.9  | 7.0   | 312   | 3.13  | 8.0   | 0.4   | 2.8   | 3.7   | 14    | <0.1  | 0.4   | 0.2   | 71    | 0.15  | 0.034 |
| 11DS0695 | Soil              |             | 1.2   | 85.5  | 13.0  | 103   | <0.1  | 19.1  | 13.9  | 659   | 4.26  | 4.6   | 0.5   | <0.5  | 9.8   | 10    | 0.2   | 0.4   | 0.1   | 64    | 0.14  | 0.082 |
| 11DS0696 | Soil              |             | 1.3   | 6.0   | 8.9   | 38    | <0.1  | 5.4   | 3.7   | 292   | 2.18  | 4.6   | 0.3   | 0.8   | 1.7   | 17    | 0.1   | 0.3   | <0.1  | 42    | 0.10  | 0.052 |
| 11DS0697 | Soil              |             | 0.8   | 18.3  | 11.9  | 45    | 0.2   | 18.0  | 6.9   | 224   | 2.52  | 6.5   | 0.6   | 5.2   | 1.0   | 22    | 0.3   | 0.4   | 0.1   | 54    | 0.25  | 0.056 |
| 11DS0698 | Soil              |             | 0.6   | 20.9  | 9.1   | 59    | <0.1  | 20.5  | 11.7  | 425   | 3.14  | 5.1   | 0.7   | 10.9  | 7.2   | 25    | 0.1   | 0.5   | 0.1   | 61    | 0.27  | 0.030 |
| 11DS0699 | Soil              |             | 0.7   | 15.7  | 8.7   | 50    | <0.1  | 12.8  | 7.6   | 492   | 3.23  | 4.9   | 0.9   | 9.9   | 10.5  | 27    | <0.1  | 0.6   | 0.1   | 46    | 0.26  | 0.024 |
| 11DS0700 | Soil              |             | 0.7   | 14.3  | 8.5   | 48    | <0.1  | 13.7  | 7.8   | 247   | 2.89  | 4.4   | 0.5   | <0.5  | 13.0  | 16    | 0.1   | 0.4   | <0.1  | 41    | 0.13  | 0.025 |
| 11DS0701 | Soil              |             | 0.6   | 13.0  | 7.6   | 49    | <0.1  | 13.7  | 7.6   | 238   | 2.83  | 3.5   | 0.5   | <0.5  | 10.9  | 14    | <0.1  | 0.4   | <0.1  | 38    | 0.12  | 0.027 |
| 11DS0702 | Soil              |             | 0.8   | 20.7  | 10.0  | 51    | <0.1  | 20.1  | 9.2   | 368   | 2.81  | 8.0   | 0.7   | 1.6   | 4.8   | 21    | <0.1  | 0.4   | 0.1   | 56    | 0.18  | 0.031 |





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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0673 | Soil                             | 10    | 257   | 4.48  | 694   | 0.289 | <1    | 4.47  | 0.022 | 1.32  | <0.1  | <0.01 | 10.2  | 0.3   | <0.05 | 12    | <0.5  | <0.2  |
| 11DS0674 | Soil                             | 15    | 40    | 0.73  | 340   | 0.130 | <1    | 1.95  | 0.013 | 0.11  | <0.1  | 0.03  | 5.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0675 | Soil                             | 27    | 119   | 1.63  | 766   | 0.099 | 1     | 2.85  | 0.015 | 0.16  | <0.1  | 0.03  | 10.4  | 0.1   | <0.05 | 10    | 0.6   | <0.2  |
| 11DS0676 | Soil                             | 23    | 28    | 0.65  | 333   | 0.060 | <1    | 2.27  | 0.015 | 0.09  | <0.1  | 0.02  | 4.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0677 | Soil                             | 25    | 39    | 0.74  | 387   | 0.063 | <1    | 2.44  | 0.012 | 0.07  | <0.1  | 0.03  | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0678 | Soil                             | 29    | 47    | 0.67  | 727   | 0.073 | <1    | 2.09  | 0.015 | 0.06  | 0.1   | 0.04  | 4.5   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11DS0679 | Soil                             | 26    | 33    | 0.58  | 391   | 0.077 | <1    | 2.10  | 0.013 | 0.07  | 0.1   | 0.03  | 3.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0680 | Soil                             | 39    | 49    | 0.79  | 582   | 0.094 | 1     | 1.97  | 0.013 | 0.07  | <0.1  | 0.02  | 4.3   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11DS0681 | Soil                             | 44    | 50    | 0.84  | 639   | 0.097 | <1    | 1.97  | 0.014 | 0.07  | <0.1  | 0.02  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0682 | Soil                             | 23    | 30    | 0.54  | 246   | 0.070 | <1    | 1.82  | 0.011 | 0.08  | <0.1  | 0.03  | 2.8   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11DS0683 | Soil                             | 10    | 9     | 0.86  | 262   | 0.161 | <1    | 2.05  | 0.039 | 0.43  | <0.1  | 0.01  | 11.3  | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS0684 | Soil                             | 22    | 36    | 0.64  | 465   | 0.104 | 1     | 1.97  | 0.014 | 0.10  | 0.1   | 0.04  | 4.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0685 | Soil                             | 13    | 41    | 0.70  | 457   | 0.025 | <1    | 1.83  | 0.009 | 0.16  | <0.1  | 0.01  | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0686 | Soil                             | 14    | 36    | 0.75  | 338   | 0.079 | <1    | 1.95  | 0.015 | 0.11  | 0.1   | 0.03  | 3.8   | 0.2   | <0.05 | 6     | 0.7   | <0.2  |
| 11DS0687 | Soil                             | 26    | 23    | 0.59  | 365   | 0.053 | <1    | 1.90  | 0.009 | 0.12  | <0.1  | <0.01 | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0688 | Soil                             | 22    | 23    | 0.39  | 447   | 0.020 | <1    | 1.48  | 0.008 | 0.07  | <0.1  | 0.01  | 3.3   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0689 | Soil                             | 19    | 43    | 0.59  | 761   | 0.045 | 1     | 2.31  | 0.009 | 0.05  | 0.2   | 0.03  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0690 | Soil                             | 61    | 51    | 0.74  | 888   | 0.062 | 1     | 1.98  | 0.012 | 0.09  | 0.1   | 0.02  | 7.4   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11DS0691 | Soil                             | 13    | 29    | 0.68  | 236   | 0.084 | <1    | 2.60  | 0.010 | 0.13  | 0.1   | 0.03  | 3.7   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11DS0692 | Soil                             | 19    | 17    | 0.45  | 338   | 0.029 | <1    | 1.58  | 0.009 | 0.10  | <0.1  | <0.01 | 2.7   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS0693 | Soil                             | 117   | 34    | 0.92  | 723   | 0.031 | <1    | 2.27  | 0.012 | 0.12  | <0.1  | <0.01 | 8.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0694 | Soil                             | 12    | 31    | 0.43  | 233   | 0.041 | <1    | 1.78  | 0.008 | 0.06  | 0.1   | <0.01 | 3.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0695 | Soil                             | 20    | 33    | 0.79  | 156   | 0.058 | <1    | 2.12  | 0.008 | 0.28  | <0.1  | <0.01 | 4.7   | 0.1   | <0.05 | 9     | 0.5   | <0.2  |
| 11DS0696 | Soil                             | 18    | 12    | 0.18  | 179   | 0.013 | <1    | 1.12  | 0.006 | 0.09  | <0.1  | <0.01 | 1.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0697 | Soil                             | 14    | 27    | 0.51  | 449   | 0.036 | 2     | 1.64  | 0.010 | 0.07  | 0.1   | 0.02  | 2.3   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11DS0698 | Soil                             | 31    | 32    | 0.64  | 665   | 0.059 | 1     | 1.73  | 0.012 | 0.07  | <0.1  | <0.01 | 5.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0699 | Soil                             | 35    | 23    | 0.75  | 556   | 0.056 | <1    | 2.04  | 0.011 | 0.20  | 0.1   | <0.01 | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0700 | Soil                             | 22    | 20    | 0.50  | 173   | 0.038 | <1    | 2.40  | 0.007 | 0.13  | <0.1  | 0.03  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0701 | Soil                             | 20    | 19    | 0.46  | 172   | 0.036 | <1    | 2.43  | 0.007 | 0.11  | <0.1  | <0.01 | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0702 | Soil                             | 16    | 30    | 0.58  | 220   | 0.068 | <1    | 2.20  | 0.011 | 0.08  | <0.1  | 0.02  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11DS0703 | Soil                             | 0.7        | 33.8       | 10.1       | 68       | <0.1       | 95.8       | 17.4       | 540      | 3.88      | 6.9        | 1.4        | 3.4        | 8.9        | 132      | <0.1       | 0.2        | 0.2        | 91       | 0.74      |
| 11DS0704 | Soil                             | 0.8        | 14.5       | 8.7        | 66       | <0.1       | 12.5       | 7.6        | 312      | 3.20      | 4.3        | 0.6        | 0.9        | 4.4        | 16       | <0.1       | 0.3        | 0.1        | 48       | 0.15      |
| 11DS0705 | Soil                             | 1.1        | 17.2       | 10.5       | 49       | 0.1        | 21.2       | 10.1       | 274      | 3.32      | 9.3        | 0.7        | 4.9        | 5.6        | 14       | 0.2        | 0.5        | 0.2        | 76       | 0.13      |
| 11DS0706 | Soil                             | 1.0        | 27.8       | 10.3       | 59       | <0.1       | 26.5       | 10.6       | 348      | 3.07      | 8.9        | 1.1        | 10.2       | 9.3        | 22       | <0.1       | 0.5        | 0.2        | 68       | 0.20      |
| 11DS0707 | Soil                             | 1.4        | 14.4       | 9.7        | 52       | 0.7        | 22.1       | 8.5        | 251      | 3.42      | 7.7        | 0.6        | 44.5       | 4.7        | 13       | 0.2        | 0.5        | 0.2        | 61       | 0.12      |
| 11DS0708 | Soil                             | 1.3        | 17.7       | 9.7        | 50       | <0.1       | 28.7       | 8.1        | 195      | 3.04      | 6.0        | 1.1        | 16.9       | 12.2       | 17       | <0.1       | 0.4        | 0.1        | 44       | 0.10      |
| 11DS0709 | Soil                             | 1.1        | 25.4       | 9.4        | 55       | <0.1       | 26.3       | 9.9        | 376      | 3.02      | 8.1        | 1.4        | 66.8       | 10.2       | 31       | <0.1       | 0.4        | 0.2        | 66       | 0.29      |
| 11DS0710 | Soil                             | 1.6        | 16.7       | 8.1        | 47       | <0.1       | 19.6       | 8.4        | 343      | 2.51      | 5.3        | 0.8        | 2.1        | 7.9        | 28       | <0.1       | 0.3        | 0.1        | 52       | 0.38      |
| 11DS0711 | Soil                             | 2.9        | 34.7       | 6.5        | 81       | <0.1       | 39.5       | 18.1       | 420      | 4.84      | 4.3        | 1.6        | <0.5       | 9.5        | 68       | <0.1       | 0.2        | 0.1        | 83       | 1.12      |
| 11DS0712 | Soil                             | 1.1        | 57.4       | 12.3       | 114      | 0.1        | 14.3       | 11.4       | 596      | 3.61      | 3.8        | 0.7        | 0.6        | 2.9        | 33       | 0.3        | 0.2        | 0.2        | 67       | 0.51      |
| 11DS0713 | Soil                             | 1.8        | 58.2       | 17.0       | 79       | 0.1        | 12.8       | 8.0        | 473      | 2.96      | 12.4       | 0.5        | 1.6        | 3.6        | 18       | 0.3        | 0.7        | 0.4        | 57       | 0.18      |
| 11DS0714 | Soil                             | 1.3        | 38.1       | 11.3       | 78       | 0.1        | 23.2       | 10.3       | 331      | 3.07      | 16.5       | 0.7        | 4.5        | 5.1        | 19       | 0.3        | 0.7        | 0.4        | 66       | 0.18      |
| 11NG0684 | Soil                             | 0.9        | 14.1       | 8.1        | 69       | <0.1       | 37.4       | 12.8       | 370      | 3.97      | 8.4        | 0.4        | <0.5       | 2.6        | 17       | <0.1       | 0.4        | 0.2        | 96       | 0.17      |
| 11NG0685 | Soil                             | 0.4        | 35.4       | 7.7        | 81       | 0.2        | 92.6       | 21.5       | 568      | 4.22      | 3.2        | 2.3        | 2.6        | 3.2        | 77       | <0.1       | 0.3        | 0.1        | 81       | 1.06      |
| 11NG0686 | Soil                             | 0.7        | 23.5       | 8.9        | 58       | <0.1       | 32.3       | 11.5       | 461      | 3.21      | 7.1        | 0.7        | 3.1        | 7.1        | 28       | <0.1       | 0.3        | 0.1        | 68       | 0.39      |
| 11NG0687 | Soil                             | 1.4        | 23.2       | 10.0       | 59       | <0.1       | 13.2       | 7.5        | 302      | 2.89      | 5.6        | 0.5        | <0.5       | 8.6        | 18       | 0.2        | 0.3        | 0.1        | 51       | 0.18      |
| 11NG0688 | Soil                             | 0.8        | 15.5       | 8.0        | 55       | 0.2        | 15.9       | 9.5        | 439      | 2.59      | 4.5        | 0.7        | <0.5       | 3.3        | 36       | 0.1        | 0.3        | 0.2        | 58       | 0.49      |
| 11NG0689 | Soil                             | 0.8        | 25.0       | 10.2       | 59       | 0.2        | 25.2       | 9.3        | 537      | 2.63      | 3.3        | 1.3        | 1.7        | 6.6        | 61       | <0.1       | 0.3        | 0.1        | 48       | 0.60      |
| 11NG0690 | Soil                             | 0.9        | 18.1       | 5.3        | 19       | 0.2        | 6.4        | 2.4        | 132      | 0.99      | 1.6        | 1.5        | <0.5       | 0.2        | 11       | 0.5        | 0.2        | 0.3        | 17       | 0.09      |
| 11NG0691 | Soil                             | 4.1        | 22.1       | 9.1        | 66       | 0.3        | 17.2       | 13.1       | 442      | 2.87      | 5.0        | 1.5        | 3.5        | 6.2        | 53       | 0.2        | 0.4        | 0.2        | 52       | 0.58      |
| 11NG0692 | Soil                             | 1.7        | 22.5       | 9.1        | 60       | 0.1        | 14.9       | 9.1        | 388      | 3.16      | 7.1        | 1.1        | 4.1        | 4.5        | 45       | <0.1       | 0.3        | 0.2        | 62       | 0.41      |
| 11NG0693 | Soil                             | 1.0        | 32.3       | 8.0        | 61       | 0.1        | 18.3       | 9.4        | 368      | 2.89      | 7.2        | 0.9        | 4.5        | 3.1        | 22       | 0.1        | 0.4        | 0.2        | 55       | 0.26      |
| 11NG0694 | Soil                             | 0.9        | 16.6       | 8.4        | 56       | <0.1       | 13.2       | 7.4        | 274      | 3.05      | 7.1        | 0.5        | 3.1        | 2.2        | 14       | 0.1        | 0.4        | 0.2        | 71       | 0.15      |
| 11NG0695 | Soil                             | 0.7        | 21.5       | 9.3        | 57       | 0.2        | 26.1       | 10.5       | 370      | 2.96      | 5.1        | 0.7        | 6.1        | 4.7        | 27       | 0.1        | 0.4        | 0.1        | 56       | 0.34      |
| 11NG0696 | Soil                             | 0.9        | 19.2       | 10.9       | 59       | <0.1       | 18.0       | 9.7        | 314      | 2.87      | 7.6        | 0.5        | 3.1        | 3.0        | 18       | <0.1       | 0.6        | 0.1        | 54       | 0.18      |
| 11NG0697 | Soil                             | 1.3        | 19.7       | 8.4        | 48       | <0.1       | 10.8       | 8.6        | 258      | 2.94      | 6.2        | 0.4        | 2.7        | 5.3        | 12       | <0.1       | 0.5        | 0.1        | 43       | 0.13      |
| 11NG0698 | Soil                             | 1.4        | 63.5       | 10.2       | 69       | 0.1        | 22.3       | 12.0       | 508      | 3.61      | 10.2       | 0.7        | 3.9        | 6.8        | 12       | 0.1        | 1.0        | 0.3        | 61       | 0.11      |
| 11NG0699 | Soil                             | 0.8        | 31.0       | 10.5       | 53       | <0.1       | 16.0       | 7.1        | 235      | 3.02      | 8.8        | 0.6        | 1.2        | 1.3        | 20       | <0.1       | 0.5        | 0.2        | 66       | 0.19      |
| 11NG0700 | Soil                             | 0.8        | 32.0       | 10.8       | 55       | <0.1       | 15.5       | 7.2        | 239      | 3.08      | 9.0        | 0.6        | 1.8        | 1.3        | 21       | 0.1        | 0.5        | 0.2        | 68       | 0.20      |
| 11NG0701 | Soil                             | 0.9        | 41.4       | 9.9        | 60       | <0.1       | 18.4       | 9.2        | 323      | 3.05      | 8.8        | 0.6        | 1.9        | 1.6        | 21       | <0.1       | 0.5        | 0.2        | 61       | 0.21      |



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Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS0703 | Soil                             | 47    | 128   | 1.94  | 809   | 0.158 | <1    | 2.58  | 0.016 | 0.21  | 0.1   | 0.03  | 5.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0704 | Soil                             | 22    | 16    | 0.52  | 191   | 0.018 | <1    | 2.54  | 0.008 | 0.11  | <0.1  | <0.01 | 2.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0705 | Soil                             | 13    | 36    | 0.53  | 193   | 0.067 | <1    | 2.66  | 0.010 | 0.05  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0706 | Soil                             | 31    | 40    | 0.61  | 270   | 0.083 | <1    | 2.30  | 0.011 | 0.06  | 0.1   | 0.02  | 6.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0707 | Soil                             | 19    | 31    | 0.46  | 201   | 0.034 | <1    | 1.99  | 0.008 | 0.11  | <0.1  | 0.04  | 2.9   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11DS0708 | Soil                             | 34    | 32    | 0.44  | 190   | 0.034 | <1    | 1.85  | 0.009 | 0.09  | <0.1  | <0.01 | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0709 | Soil                             | 37    | 42    | 0.65  | 316   | 0.083 | <1    | 2.07  | 0.014 | 0.06  | 0.1   | 0.02  | 5.5   | <0.1  | <0.05 | 6     | 0.9   | <0.2  |
| 11DS0710 | Soil                             | 25    | 29    | 0.61  | 286   | 0.080 | <1    | 1.64  | 0.014 | 0.08  | 0.1   | 0.01  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS0711 | Soil                             | 32    | 60    | 1.38  | 703   | 0.172 | <1    | 2.85  | 0.024 | 0.45  | 0.2   | <0.01 | 5.0   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS0712 | Soil                             | 10    | 24    | 0.90  | 226   | 0.078 | <1    | 2.26  | 0.013 | 0.09  | <0.1  | <0.01 | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0713 | Soil                             | 14    | 21    | 0.48  | 167   | 0.049 | <1    | 1.69  | 0.009 | 0.10  | 0.1   | <0.01 | 2.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0714 | Soil                             | 16    | 34    | 0.58  | 303   | 0.052 | <1    | 2.19  | 0.011 | 0.07  | <0.1  | 0.01  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0684 | Soil                             | 9     | 81    | 1.23  | 177   | 0.149 | <1    | 2.59  | 0.010 | 0.18  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0685 | Soil                             | 39    | 123   | 1.77  | 610   | 0.040 | <1    | 2.75  | 0.013 | 0.17  | <0.1  | 0.07  | 12.5  | 0.1   | <0.05 | 8     | 0.6   | <0.2  |
| 11NG0686 | Soil                             | 33    | 46    | 0.84  | 585   | 0.067 | <1    | 2.03  | 0.013 | 0.07  | 0.1   | 0.01  | 5.6   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11NG0687 | Soil                             | 25    | 19    | 0.43  | 248   | 0.027 | <1    | 1.56  | 0.008 | 0.08  | <0.1  | 0.01  | 2.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0688 | Soil                             | 21    | 28    | 0.59  | 553   | 0.045 | <1    | 1.79  | 0.012 | 0.05  | <0.1  | 0.02  | 3.1   | <0.1  | <0.05 | 6     | 1.0   | <0.2  |
| 11NG0689 | Soil                             | 44    | 43    | 0.71  | 587   | 0.032 | <1    | 2.03  | 0.011 | 0.06  | <0.1  | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0690 | Soil                             | 45    | 12    | 0.06  | 184   | 0.015 | 1     | 0.67  | 0.011 | 0.04  | <0.1  | 0.08  | 1.2   | <0.1  | 0.07  | 3     | <0.5  | <0.2  |
| 11NG0691 | Soil                             | 54    | 28    | 0.53  | 866   | 0.041 | <1    | 1.80  | 0.010 | 0.07  | 0.1   | 0.07  | 4.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0692 | Soil                             | 19    | 26    | 0.51  | 394   | 0.043 | <1    | 1.89  | 0.011 | 0.08  | <0.1  | 0.03  | 3.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0693 | Soil                             | 23    | 30    | 0.52  | 467   | 0.053 | <1    | 1.79  | 0.009 | 0.07  | 0.1   | 0.03  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0694 | Soil                             | 14    | 26    | 0.53  | 279   | 0.088 | <1    | 1.74  | 0.008 | 0.06  | 0.1   | 0.01  | 2.6   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0695 | Soil                             | 25    | 39    | 0.66  | 695   | 0.069 | <1    | 1.81  | 0.009 | 0.06  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0696 | Soil                             | 14    | 29    | 0.51  | 350   | 0.051 | <1    | 1.98  | 0.009 | 0.06  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0697 | Soil                             | 14    | 17    | 0.33  | 199   | 0.020 | <1    | 2.00  | 0.006 | 0.08  | <0.1  | 0.02  | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0698 | Soil                             | 13    | 37    | 0.53  | 263   | 0.040 | 1     | 2.70  | 0.008 | 0.07  | 0.2   | 0.03  | 3.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0699 | Soil                             | 11    | 28    | 0.40  | 197   | 0.044 | <1    | 1.95  | 0.008 | 0.04  | 0.1   | 0.03  | 3.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0700 | Soil                             | 11    | 29    | 0.41  | 205   | 0.045 | 1     | 2.05  | 0.008 | 0.04  | 0.1   | 0.03  | 3.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0701 | Soil                             | 13    | 30    | 0.44  | 238   | 0.044 | <1    | 2.14  | 0.009 | 0.05  | 0.1   | 0.03  | 3.5   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |



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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| 11NG0702 | Soil                             | 0.7   | 24.4  | 9.5   | 58    | 0.1   | 20.4  | 9.6   | 270   | 3.24  | 9.4   | 0.8   | 2.6   | 5.6   | 14    | <0.1  | 0.6   | 0.2   | 62    | 0.13  | 0.024 |
| 11NG0703 | Soil                             | 0.9   | 42.4  | 11.8  | 85    | <0.1  | 20.5  | 10.3  | 766   | 3.40  | 8.5   | 0.8   | 25.9  | 6.2   | 19    | 0.1   | 0.9   | 0.3   | 55    | 0.31  | 0.038 |
| 11NG0704 | Soil                             | 1.3   | 22.8  | 10.3  | 56    | <0.1  | 19.1  | 10.0  | 462   | 3.11  | 9.9   | 1.0   | 4.0   | 6.3   | 14    | <0.1  | 0.5   | 0.2   | 58    | 0.13  | 0.034 |
| 11NG0705 | Soil                             | 1.1   | 24.8  | 8.9   | 63    | <0.1  | 20.2  | 11.2  | 342   | 3.60  | 8.3   | 0.6   | 3.4   | 9.1   | 16    | 0.2   | 0.5   | 0.1   | 62    | 0.16  | 0.036 |
| 11NG0706 | Soil                             | 1.0   | 30.9  | 8.8   | 65    | <0.1  | 22.7  | 12.9  | 348   | 4.04  | 9.7   | 0.5   | 44.6  | 4.9   | 17    | <0.1  | 0.5   | 0.1   | 73    | 0.18  | 0.032 |
| 11NG0707 | Soil                             | 1.2   | 21.0  | 10.4  | 55    | <0.1  | 25.7  | 9.7   | 368   | 2.89  | 9.7   | 1.1   | 5.2   | 4.9   | 25    | <0.1  | 0.6   | 0.1   | 56    | 0.31  | 0.032 |
| 11NG0708 | Soil                             | 1.3   | 22.5  | 10.8  | 58    | <0.1  | 20.8  | 8.9   | 307   | 3.10  | 11.1  | 1.3   | 8.1   | 5.9   | 14    | <0.1  | 0.6   | 0.2   | 60    | 0.15  | 0.029 |
| 11NG0709 | Soil                             | 1.1   | 14.7  | 10.5  | 52    | <0.1  | 9.0   | 7.2   | 283   | 3.99  | 6.1   | 0.5   | 4.6   | 7.2   | 12    | 0.1   | 0.6   | 0.1   | 56    | 0.11  | 0.041 |
| 11NG0710 | Soil                             | 1.1   | 19.9  | 9.6   | 55    | <0.1  | 20.7  | 9.2   | 286   | 3.00  | 9.6   | 0.7   | 10.9  | 8.9   | 15    | 0.1   | 0.5   | 0.1   | 52    | 0.14  | 0.027 |
| 11NG0711 | Soil                             | 0.9   | 19.0  | 8.6   | 60    | <0.1  | 13.2  | 9.2   | 367   | 3.64  | 5.9   | 0.5   | 4.7   | 8.0   | 16    | 0.1   | 0.5   | <0.1  | 57    | 0.17  | 0.029 |
| 11NG0712 | Soil                             | 0.8   | 15.4  | 9.4   | 40    | 0.1   | 12.4  | 6.0   | 233   | 2.38  | 5.8   | 0.6   | 35.9  | 3.7   | 12    | <0.1  | 0.4   | 0.1   | 49    | 0.11  | 0.026 |
| 11NG0713 | Soil                             | 0.6   | 24.4  | 8.4   | 57    | <0.1  | 50.9  | 13.7  | 426   | 3.16  | 6.9   | 0.8   | 5.3   | 6.6   | 41    | <0.1  | 0.3   | 0.1   | 67    | 0.33  | 0.092 |
| 11NG0714 | Soil                             | 0.8   | 22.7  | 10.5  | 52    | 0.1   | 17.1  | 8.5   | 219   | 3.46  | 9.1   | 0.5   | 35.3  | 8.4   | 11    | <0.1  | 0.5   | <0.1  | 53    | 0.09  | 0.030 |
| 11NG0715 | Soil                             | 1.3   | 15.9  | 10.2  | 55    | 0.2   | 19.1  | 8.5   | 343   | 3.51  | 7.8   | 0.6   | 2.7   | 5.6   | 14    | <0.1  | 0.4   | 0.1   | 75    | 0.12  | 0.033 |
| 11NG0716 | Soil                             | 0.8   | 20.2  | 9.2   | 57    | <0.1  | 22.7  | 10.6  | 304   | 3.26  | 8.6   | 1.1   | 3.1   | 8.3   | 18    | <0.1  | 0.4   | 0.1   | 62    | 0.17  | 0.023 |
| 11NG0717 | Soil                             | 1.0   | 12.9  | 10.8  | 72    | <0.1  | 18.3  | 10.8  | 895   | 3.30  | 8.7   | 0.4   | 3.5   | 3.5   | 12    | 0.1   | 0.4   | 0.2   | 66    | 0.12  | 0.052 |
| 11NG0718 | Soil                             | 0.9   | 21.2  | 8.6   | 50    | <0.1  | 24.0  | 9.5   | 269   | 2.91  | 10.3  | 0.5   | 1.8   | 7.1   | 16    | 0.1   | 0.5   | 0.1   | 62    | 0.13  | 0.016 |
| 11NG0719 | Soil                             | 1.1   | 20.0  | 10.9  | 52    | <0.1  | 20.1  | 8.0   | 312   | 3.24  | 8.5   | 0.5   | 3.7   | 6.4   | 11    | 0.1   | 0.4   | 0.1   | 64    | 0.09  | 0.026 |
| 11NG0720 | Soil                             | 1.3   | 13.8  | 8.6   | 44    | <0.1  | 15.1  | 5.7   | 257   | 2.47  | 6.7   | 0.5   | 2.9   | 4.5   | 11    | <0.1  | 0.3   | 0.2   | 52    | 0.10  | 0.025 |
| 11NG0721 | Soil                             | 1.0   | 14.3  | 9.8   | 44    | 0.1   | 14.0  | 5.4   | 251   | 2.40  | 6.1   | 0.5   | 12.8  | 4.4   | 12    | <0.1  | 0.3   | 0.2   | 52    | 0.10  | 0.023 |
| 11NG0722 | Soil                             | 1.0   | 17.6  | 8.9   | 49    | 0.1   | 19.7  | 7.9   | 386   | 2.84  | 9.4   | 0.7   | 4.9   | 6.4   | 22    | <0.1  | 0.4   | 0.2   | 57    | 0.26  | 0.030 |
| 11NG0723 | Soil                             | 1.4   | 24.1  | 7.3   | 60    | 0.2   | 21.7  | 11.9  | 465   | 3.31  | 5.4   | 1.3   | 20.1  | 8.8   | 40    | 0.2   | 0.3   | 0.1   | 56    | 0.67  | 0.134 |
| 11NG0724 | Soil                             | 1.6   | 136.7 | 8.5   | 68    | 0.2   | 23.7  | 9.9   | 272   | 3.20  | 6.5   | 1.3   | 3.9   | 6.3   | 34    | 0.2   | 0.3   | 1.2   | 66    | 0.43  | 0.083 |
| 11NG0725 | Soil                             | 1.8   | 147.2 | 26.3  | 424   | 0.7   | 22.6  | 10.7  | 1502  | 5.34  | 8.1   | 0.6   | 5.7   | 4.1   | 19    | 2.0   | 0.4   | 1.1   | 57    | 1.24  | 0.028 |
| 11NG0726 | Soil                             | 0.6   | 17.4  | 6.9   | 68    | <0.1  | 19.2  | 11.3  | 640   | 3.06  | 2.7   | 0.7   | 1.7   | 5.4   | 41    | 0.2   | 0.3   | 0.1   | 51    | 0.46  | 0.057 |
| 11NG0727 | Soil                             | 0.6   | 16.8  | 8.3   | 56    | <0.1  | 19.7  | 9.1   | 357   | 2.75  | 7.3   | 0.7   | <0.5  | 4.3   | 32    | <0.1  | 0.5   | 0.2   | 59    | 0.27  | 0.033 |
| 11NG0728 | Soil                             | 0.6   | 15.3  | 7.1   | 68    | 0.1   | 13.7  | 8.4   | 501   | 2.51  | 1.8   | 1.1   | <0.5  | 4.6   | 63    | 0.1   | 0.3   | 0.1   | 47    | 0.67  | 0.086 |
| 11NG0729 | Soil                             | 0.4   | 12.4  | 6.3   | 78    | 0.1   | 34.4  | 12.6  | 361   | 3.11  | 1.9   | 0.8   | 0.9   | 2.9   | 26    | <0.1  | 0.2   | 0.1   | 74    | 0.40  | 0.089 |
| 11NG0730 | Soil                             | 0.5   | 19.6  | 4.7   | 70    | <0.1  | 52.7  | 15.9  | 450   | 3.70  | 2.7   | 0.5   | 1.6   | 1.5   | 31    | 0.1   | 0.2   | 0.1   | 104   | 0.61  | 0.127 |
| 11NG0731 | Soil                             | 0.8   | 15.5  | 6.5   | 56    | <0.1  | 20.7  | 10.3  | 369   | 2.42  | 3.3   | 0.7   | 3.7   | 1.4   | 28    | 0.1   | 0.2   | 0.2   | 63    | 0.30  | 0.065 |



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Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0702 | Soil                             | 14    | 37    | 0.57  | 246   | 0.062 | <1    | 2.65  | 0.009 | 0.06  | 0.1   | 0.03  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0703 | Soil                             | 24    | 32    | 0.55  | 336   | 0.038 | <1    | 2.02  | 0.009 | 0.06  | 0.1   | 0.03  | 7.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0704 | Soil                             | 18    | 37    | 0.51  | 295   | 0.047 | <1    | 2.37  | 0.009 | 0.04  | 0.2   | 0.04  | 4.6   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11NG0705 | Soil                             | 22    | 33    | 0.61  | 300   | 0.044 | <1    | 2.51  | 0.008 | 0.06  | <0.1  | 0.03  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0706 | Soil                             | 12    | 36    | 0.67  | 244   | 0.043 | <1    | 2.49  | 0.009 | 0.06  | 0.1   | 0.02  | 5.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0707 | Soil                             | 17    | 36    | 0.57  | 559   | 0.045 | <1    | 1.81  | 0.011 | 0.05  | 0.1   | 0.03  | 5.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0708 | Soil                             | 21    | 35    | 0.50  | 431   | 0.049 | <1    | 2.25  | 0.009 | 0.05  | 0.1   | 0.03  | 5.4   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11NG0709 | Soil                             | 27    | 19    | 0.35  | 194   | 0.018 | <1    | 2.11  | 0.008 | 0.09  | <0.1  | 0.02  | 3.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0710 | Soil                             | 15    | 30    | 0.46  | 296   | 0.044 | <1    | 2.04  | 0.007 | 0.09  | <0.1  | 0.02  | 3.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0711 | Soil                             | 21    | 27    | 0.62  | 276   | 0.033 | <1    | 2.44  | 0.008 | 0.10  | <0.1  | 0.01  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0712 | Soil                             | 21    | 24    | 0.35  | 150   | 0.041 | <1    | 1.56  | 0.008 | 0.06  | <0.1  | 0.01  | 2.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0713 | Soil                             | 29    | 82    | 1.14  | 290   | 0.106 | <1    | 2.06  | 0.010 | 0.06  | <0.1  | 0.01  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0714 | Soil                             | 22    | 26    | 0.42  | 215   | 0.031 | <1    | 2.59  | 0.006 | 0.09  | 0.1   | 0.03  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0715 | Soil                             | 19    | 41    | 0.66  | 209   | 0.068 | <1    | 2.22  | 0.009 | 0.09  | <0.1  | 0.02  | 3.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0716 | Soil                             | 27    | 35    | 0.60  | 288   | 0.070 | <1    | 2.39  | 0.009 | 0.07  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0717 | Soil                             | 10    | 30    | 0.48  | 229   | 0.050 | <1    | 2.02  | 0.008 | 0.08  | 0.1   | 0.01  | 3.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0718 | Soil                             | 11    | 35    | 0.58  | 235   | 0.069 | <1    | 2.12  | 0.008 | 0.06  | 0.1   | 0.02  | 3.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0719 | Soil                             | 14    | 30    | 0.42  | 193   | 0.050 | <1    | 2.18  | 0.007 | 0.09  | 0.1   | 0.01  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0720 | Soil                             | 14    | 23    | 0.36  | 186   | 0.057 | <1    | 1.56  | 0.008 | 0.08  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0721 | Soil                             | 14    | 23    | 0.35  | 180   | 0.057 | <1    | 1.49  | 0.007 | 0.07  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0722 | Soil                             | 19    | 30    | 0.51  | 303   | 0.054 | <1    | 1.80  | 0.009 | 0.06  | 0.2   | 0.03  | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0723 | Soil                             | 36    | 32    | 0.78  | 525   | 0.106 | <1    | 2.02  | 0.014 | 0.12  | 0.2   | 0.02  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0724 | Soil                             | 18    | 41    | 0.70  | 404   | 0.106 | <1    | 2.12  | 0.015 | 0.13  | 0.2   | 0.02  | 3.8   | 0.1   | <0.05 | 7     | 0.6   | 0.2   |
| 11NG0725 | Soil                             | 10    | 33    | 0.41  | 229   | 0.057 | <1    | 2.00  | 0.009 | 0.04  | 0.1   | 0.03  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0726 | Soil                             | 19    | 31    | 0.69  | 659   | 0.027 | 1     | 1.87  | 0.011 | 0.16  | <0.1  | 0.02  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0727 | Soil                             | 16    | 30    | 0.60  | 452   | 0.059 | 2     | 1.90  | 0.012 | 0.07  | 0.1   | 0.03  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0728 | Soil                             | 39    | 25    | 0.61  | 711   | 0.047 | 1     | 1.50  | 0.013 | 0.11  | 0.1   | 0.06  | 3.7   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11NG0729 | Soil                             | 14    | 65    | 1.33  | 405   | 0.129 | 2     | 2.08  | 0.014 | 0.28  | 0.1   | 0.04  | 5.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0730 | Soil                             | 11    | 105   | 1.75  | 398   | 0.181 | 2     | 2.26  | 0.016 | 0.38  | 0.1   | 0.03  | 5.9   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0731 | Soil                             | 11    | 44    | 0.78  | 394   | 0.079 | 2     | 1.64  | 0.011 | 0.07  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11NG0732 | Soil                             | 1.5   | 22.7  | 9.0   | 107   | 0.1   | 16.6  | 13.2  | 677   | 3.57  | 3.0   | 1.6   | 5.0   | 3.5   | 40    | 0.1   | 0.3   | 0.1   | 70    | 0.67  | 0.101 |
| 11NG0733 | Soil                             | 1.3   | 19.9  | 7.5   | 110   | <0.1  | 15.1  | 13.9  | 727   | 4.00  | 4.1   | 1.1   | 1.5   | 3.7   | 32    | <0.1  | 0.4   | 0.1   | 81    | 0.47  | 0.079 |
| 11NG0734 | Soil                             | 1.1   | 17.2  | 9.2   | 66    | <0.1  | 16.6  | 10.6  | 507   | 3.33  | 7.2   | 0.5   | 11.2  | 2.9   | 21    | 0.2   | 0.4   | 0.2   | 68    | 0.20  | 0.040 |
| 11NG0736 | Soil                             | 1.0   | 13.7  | 9.4   | 41    | <0.1  | 14.2  | 6.0   | 200   | 2.32  | 5.4   | 0.6   | 9.8   | 6.7   | 20    | <0.1  | 0.4   | 0.2   | 56    | 0.19  | 0.023 |
| 11NG0737 | Soil                             | 0.8   | 19.8  | 9.7   | 56    | <0.1  | 22.0  | 11.1  | 364   | 3.14  | 7.7   | 1.1   | 4.7   | 5.1   | 18    | <0.1  | 0.5   | 0.2   | 66    | 0.21  | 0.039 |
| 11NG0738 | Soil                             | 1.1   | 23.5  | 11.6  | 56    | 0.4   | 23.4  | 11.8  | 283   | 3.30  | 7.4   | 0.9   | 5.0   | 6.3   | 14    | 0.3   | 0.8   | 0.2   | 59    | 0.11  | 0.045 |
| 11NG0739 | Soil                             | 1.5   | 21.3  | 12.1  | 62    | 0.2   | 23.8  | 12.2  | 358   | 4.16  | 2.6   | 0.6   | 6.1   | 5.3   | 25    | 0.2   | 0.9   | 0.1   | 84    | 0.41  | 0.069 |
| 11NG0740 | Soil                             | 1.1   | 15.6  | 10.2  | 53    | <0.1  | 16.7  | 7.2   | 304   | 2.52  | 5.7   | 0.9   | 3.7   | 6.1   | 23    | <0.1  | 0.5   | 0.1   | 55    | 0.28  | 0.023 |
| 11NG0741 | Soil                             | 1.0   | 15.9  | 12.4  | 50    | <0.1  | 17.5  | 7.4   | 299   | 2.46  | 5.7   | 0.9   | 4.2   | 6.8   | 23    | <0.1  | 0.4   | 0.1   | 54    | 0.28  | 0.020 |
| 11NG0742 | Soil                             | 1.3   | 15.7  | 9.4   | 54    | 0.2   | 18.2  | 8.3   | 522   | 2.54  | 5.6   | 1.2   | 7.8   | 7.5   | 32    | <0.1  | 0.4   | 0.1   | 53    | 0.40  | 0.032 |
| 11NG0743 | Soil                             | 0.9   | 19.3  | 7.7   | 44    | 0.2   | 17.7  | 8.1   | 459   | 2.31  | 3.5   | 3.0   | 8.0   | 8.6   | 38    | 0.2   | 0.3   | 0.1   | 38    | 0.50  | 0.045 |
| 11NG0744 | Soil                             | 1.0   | 19.2  | 6.7   | 44    | 0.2   | 18.4  | 7.6   | 337   | 1.97  | 2.3   | 2.2   | 11.0  | 4.2   | 76    | 0.1   | 0.3   | 0.1   | 36    | 0.74  | 0.079 |
| 11NG0745 | Soil                             | 1.3   | 13.1  | 7.7   | 57    | <0.1  | 17.2  | 8.8   | 345   | 2.62  | 5.9   | 0.7   | 3.2   | 5.7   | 27    | 0.1   | 0.5   | 0.1   | 55    | 0.31  | 0.052 |
| 11NG0746 | Soil                             | 1.3   | 20.0  | 13.4  | 57    | <0.1  | 21.5  | 10.5  | 349   | 3.11  | 7.9   | 1.2   | 282.2 | 8.0   | 31    | <0.1  | 0.5   | 0.2   | 67    | 0.29  | 0.037 |
| 11NG0747 | Soil                             | 1.2   | 39.0  | 9.1   | 60    | <0.1  | 18.5  | 8.8   | 311   | 3.28  | 6.1   | 0.8   | 3.7   | 8.8   | 25    | <0.1  | 0.5   | 0.1   | 61    | 0.23  | 0.038 |
| 11TB0682 | Soil                             | 0.6   | 22.3  | 7.4   | 75    | 0.2   | 19.0  | 10.7  | 380   | 2.71  | 2.3   | 1.3   | 3.7   | 7.3   | 55    | 0.3   | 0.5   | 0.1   | 46    | 0.76  | 0.096 |
| 11TB0683 | Soil                             | 0.7   | 23.2  | 6.6   | 74    | 0.3   | 12.6  | 8.5   | 387   | 2.74  | 2.2   | 1.5   | 1.8   | 8.9   | 54    | <0.1  | 0.5   | <0.1  | 49    | 0.62  | 0.089 |
| 11TB0684 | Soil                             | 0.8   | 21.7  | 9.4   | 57    | 0.3   | 24.8  | 8.3   | 331   | 2.20  | 2.1   | 2.2   | 1.0   | 4.6   | 56    | <0.1  | 0.3   | 0.2   | 46    | 0.52  | 0.081 |
| 11TB0685 | Soil                             | 3.1   | 19.7  | 6.9   | 59    | 0.2   | 27.1  | 8.5   | 346   | 2.50  | 2.8   | 1.0   | 5.4   | 4.9   | 43    | 0.1   | 0.2   | 0.1   | 56    | 0.42  | 0.093 |
| 11TB0686 | Soil                             | 3.4   | 21.7  | 5.7   | 74    | 0.1   | 17.0  | 11.1  | 541   | 2.81  | 2.2   | 1.8   | 2.0   | 4.9   | 68    | 0.1   | 0.3   | <0.1  | 48    | 0.68  | 0.093 |
| 11TB0687 | Soil                             | 0.9   | 13.4  | 8.4   | 51    | 0.2   | 13.1  | 6.8   | 261   | 2.17  | 4.0   | 0.7   | 3.8   | 2.1   | 28    | <0.1  | 0.4   | 0.1   | 47    | 0.28  | 0.056 |
| 11TB0688 | Soil                             | 0.9   | 14.7  | 8.5   | 53    | 0.3   | 13.8  | 7.1   | 273   | 2.26  | 4.0   | 0.7   | 7.0   | 2.1   | 30    | 0.1   | 0.4   | 0.1   | 49    | 0.30  | 0.060 |
| 11TB0689 | Soil                             | 0.7   | 15.8  | 8.1   | 55    | 0.2   | 14.7  | 6.2   | 184   | 2.09  | 3.3   | 0.8   | 7.2   | 2.4   | 29    | 0.1   | 0.3   | 0.1   | 40    | 0.27  | 0.065 |
| 11TB0690 | Soil                             | 1.9   | 27.5  | 7.2   | 81    | 0.2   | 18.4  | 10.7  | 566   | 3.39  | 3.5   | 1.0   | 3.9   | 2.4   | 30    | 0.1   | 0.4   | 0.1   | 58    | 0.42  | 0.098 |
| 11TB0691 | Soil                             | 1.0   | 39.5  | 8.0   | 92    | <0.1  | 20.2  | 12.7  | 607   | 3.47  | 6.7   | 0.8   | 2.6   | 4.4   | 20    | <0.1  | 0.6   | 0.2   | 67    | 0.31  | 0.084 |
| 11TB0692 | Soil                             | 0.9   | 34.4  | 9.1   | 77    | <0.1  | 20.5  | 10.5  | 416   | 3.04  | 5.8   | 0.9   | 8.6   | 4.9   | 24    | <0.1  | 0.7   | 0.2   | 56    | 0.26  | 0.057 |
| 11TB0693 | Soil                             | 0.9   | 31.3  | 9.9   | 60    | <0.1  | 18.8  | 9.3   | 332   | 3.13  | 7.4   | 0.7   | 14.5  | 5.0   | 19    | <0.1  | 0.7   | 0.2   | 66    | 0.17  | 0.035 |
| 11TB0694 | Soil                             | 1.1   | 24.4  | 11.9  | 43    | <0.1  | 13.3  | 5.8   | 200   | 2.45  | 6.1   | 0.8   | 37.3  | 0.3   | 18    | 0.1   | 0.4   | 0.2   | 49    | 0.13  | 0.112 |
| 11TB0695 | Soil                             | 1.1   | 16.0  | 10.4  | 43    | <0.1  | 14.7  | 6.3   | 226   | 2.86  | 9.4   | 0.7   | 7.1   | 2.9   | 15    | <0.1  | 0.5   | 0.2   | 66    | 0.12  | 0.035 |
| 11TB0696 | Soil                             | 0.9   | 23.4  | 8.6   | 59    | <0.1  | 23.6  | 12.5  | 361   | 3.16  | 7.4   | 0.7   | 4.7   | 4.9   | 21    | 0.1   | 0.5   | 0.2   | 62    | 0.20  | 0.030 |



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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0732 | Soil                             | 19    | 28    | 0.87  | 552   | 0.082 | 1     | 1.93  | 0.014 | 0.15  | 0.1   | 0.04  | 6.7   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11NG0733 | Soil                             | 16    | 28    | 0.80  | 520   | 0.101 | 2     | 2.13  | 0.011 | 0.18  | 0.1   | 0.04  | 7.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0734 | Soil                             | 13    | 31    | 0.56  | 229   | 0.054 | <1    | 2.18  | 0.010 | 0.07  | 0.1   | 0.03  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0736 | Soil                             | 22    | 29    | 0.43  | 255   | 0.042 | 1     | 1.69  | 0.009 | 0.04  | <0.1  | 0.03  | 2.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0737 | Soil                             | 15    | 36    | 0.55  | 406   | 0.040 | 2     | 2.33  | 0.010 | 0.05  | 0.1   | 0.02  | 6.3   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11NG0738 | Soil                             | 14    | 31    | 0.48  | 313   | 0.030 | 3     | 3.20  | 0.009 | 0.07  | 0.1   | 0.08  | 4.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0739 | Soil                             | 22    | 29    | 0.86  | 555   | 0.063 | 2     | 2.17  | 0.010 | 0.13  | <0.1  | 0.02  | 5.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0740 | Soil                             | 20    | 28    | 0.54  | 365   | 0.054 | 2     | 1.67  | 0.011 | 0.06  | 0.1   | 0.02  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0741 | Soil                             | 21    | 29    | 0.53  | 341   | 0.056 | 2     | 1.57  | 0.011 | 0.05  | <0.1  | 0.01  | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0742 | Soil                             | 30    | 31    | 0.52  | 565   | 0.055 | 1     | 1.72  | 0.012 | 0.06  | 0.1   | 0.05  | 4.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0743 | Soil                             | 41    | 22    | 0.42  | 621   | 0.039 | 2     | 1.48  | 0.014 | 0.07  | <0.1  | 0.03  | 3.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0744 | Soil                             | 32    | 41    | 0.48  | 486   | 0.033 | 2     | 1.48  | 0.014 | 0.08  | 0.1   | 0.07  | 4.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0745 | Soil                             | 22    | 29    | 0.55  | 253   | 0.074 | <1    | 1.55  | 0.013 | 0.09  | 0.2   | 0.02  | 2.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0746 | Soil                             | 28    | 40    | 0.60  | 336   | 0.079 | 3     | 2.18  | 0.013 | 0.05  | 0.1   | 0.04  | 3.9   | <0.1  | <0.05 | 6     | 0.8   | 0.2   |
| 11NG0747 | Soil                             | 34    | 34    | 0.62  | 302   | 0.094 | 2     | 2.13  | 0.011 | 0.09  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0682 | Soil                             | 96    | 41    | 0.58  | 944   | 0.024 | 2     | 1.70  | 0.014 | 0.08  | <0.1  | 0.09  | 5.5   | <0.1  | <0.05 | 5     | 0.7   | 0.2   |
| 11TB0683 | Soil                             | 55    | 21    | 0.65  | 778   | 0.069 | 1     | 1.71  | 0.011 | 0.15  | <0.1  | 0.04  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0684 | Soil                             | 50    | 44    | 0.59  | 624   | 0.040 | 2     | 1.56  | 0.013 | 0.05  | <0.1  | 0.05  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0685 | Soil                             | 28    | 37    | 0.63  | 632   | 0.071 | 2     | 1.66  | 0.010 | 0.07  | <0.1  | 0.05  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0686 | Soil                             | 34    | 29    | 0.61  | 697   | 0.073 | 2     | 1.52  | 0.013 | 0.14  | 0.1   | 0.04  | 4.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0687 | Soil                             | 18    | 23    | 0.43  | 530   | 0.049 | 2     | 1.41  | 0.011 | 0.05  | 0.1   | 0.05  | 2.7   | 0.1   | <0.05 | 5     | 1.0   | <0.2  |
| 11TB0688 | Soil                             | 19    | 24    | 0.47  | 554   | 0.052 | 2     | 1.50  | 0.012 | 0.05  | 0.1   | 0.07  | 2.8   | 0.1   | <0.05 | 5     | 0.5   | <0.2  |
| 11TB0689 | Soil                             | 27    | 26    | 0.48  | 508   | 0.051 | 1     | 1.64  | 0.012 | 0.07  | 0.1   | 0.06  | 3.1   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11TB0690 | Soil                             | 29    | 34    | 0.73  | 561   | 0.061 | 2     | 1.99  | 0.015 | 0.19  | <0.1  | 0.04  | 5.2   | 0.1   | <0.05 | 6     | 1.0   | <0.2  |
| 11TB0691 | Soil                             | 14    | 35    | 0.71  | 321   | 0.102 | 1     | 2.15  | 0.014 | 0.20  | 0.1   | 0.07  | 4.7   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11TB0692 | Soil                             | 22    | 33    | 0.55  | 443   | 0.062 | 2     | 1.82  | 0.012 | 0.07  | 0.1   | 0.03  | 4.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0693 | Soil                             | 18    | 40    | 0.55  | 346   | 0.063 | 1     | 2.11  | 0.010 | 0.06  | 0.1   | 0.05  | 3.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0694 | Soil                             | 17    | 25    | 0.30  | 288   | 0.021 | 2     | 1.83  | 0.010 | 0.05  | <0.1  | 0.05  | 1.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0695 | Soil                             | 15    | 33    | 0.45  | 184   | 0.070 | 2     | 1.98  | 0.009 | 0.05  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0696 | Soil                             | 20    | 36    | 0.58  | 333   | 0.066 | 2     | 2.45  | 0.012 | 0.07  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11TB0697 | Soil                             | 1.1   | 35.0  | 10.0  | 52    | <0.1  | 21.8  | 10.9  | 390   | 3.23  | 16.0  | 1.2   | 5.1   | 5.0   | 18    | <0.1  | 0.6   | 0.3   | 61    | 0.20  | 0.053 |
| 11TB0698 | Soil                             | 1.5   | 18.1  | 9.7   | 62    | <0.1  | 16.1  | 7.9   | 288   | 3.96  | 11.0  | 0.4   | 6.0   | 5.4   | 10    | <0.1  | 0.6   | 0.2   | 71    | 0.09  | 0.044 |
| 11TB0699 | Soil                             | 1.6   | 17.3  | 8.3   | 77    | 0.1   | 15.7  | 11.5  | 408   | 4.37  | 6.4   | 0.4   | 2.7   | 5.3   | 12    | 0.1   | 0.6   | 0.1   | 71    | 0.08  | 0.043 |
| 11TB0700 | Soil                             | 1.1   | 28.7  | 8.3   | 62    | <0.1  | 15.6  | 10.7  | 349   | 3.48  | 5.2   | 0.7   | 29.9  | 7.2   | 19    | 0.1   | 0.9   | 0.1   | 50    | 0.18  | 0.026 |
| 11TB0701 | Soil                             | 1.0   | 26.1  | 9.1   | 57    | 0.1   | 17.6  | 10.1  | 310   | 3.29  | 7.1   | 0.6   | 19.3  | 6.2   | 17    | <0.1  | 0.7   | 0.2   | 55    | 0.18  | 0.023 |
| 11TB0702 | Soil                             | 1.5   | 16.0  | 9.9   | 48    | 0.2   | 14.3  | 7.5   | 308   | 3.07  | 7.7   | 0.4   | 3.1   | 4.0   | 12    | <0.1  | 0.8   | 0.2   | 56    | 0.11  | 0.034 |
| 11TB0703 | Soil                             | 1.4   | 28.0  | 9.6   | 52    | 0.1   | 25.1  | 10.4  | 319   | 2.92  | 8.1   | 0.8   | 16.3  | 3.6   | 18    | <0.1  | 0.9   | 0.1   | 53    | 0.21  | 0.031 |
| 11TB0704 | Soil                             | 1.3   | 18.5  | 10.1  | 55    | 0.1   | 19.3  | 8.4   | 297   | 3.06  | 9.3   | 0.8   | 6.4   | 6.7   | 18    | <0.1  | 0.5   | 0.2   | 61    | 0.19  | 0.021 |
| 11TB0705 | Soil                             | 1.1   | 21.2  | 9.9   | 55    | 0.3   | 23.7  | 10.0  | 223   | 3.26  | 9.4   | 0.5   | 5.9   | 5.5   | 16    | <0.1  | 0.6   | 0.1   | 57    | 0.17  | 0.020 |
| 11TB0706 | Soil                             | 0.9   | 11.0  | 6.3   | 70    | 0.2   | 7.0   | 8.1   | 709   | 3.21  | 4.4   | 0.4   | 1.0   | 10.4  | 11    | 0.1   | 0.3   | <0.1  | 38    | 0.11  | 0.040 |
| 11TB0707 | Soil                             | 1.2   | 15.5  | 9.4   | 43    | 0.5   | 13.0  | 4.5   | 167   | 2.47  | 6.0   | 0.5   | 6.5   | 3.9   | 14    | 0.3   | 0.5   | 0.2   | 58    | 0.13  | 0.024 |
| 11TB0708 | Soil                             | 0.9   | 18.4  | 8.8   | 49    | 0.2   | 15.1  | 8.2   | 321   | 2.53  | 4.6   | 1.3   | 7.0   | 9.0   | 25    | <0.1  | 0.4   | 0.1   | 45    | 0.35  | 0.031 |
| 11TB0709 | Soil                             | 0.9   | 20.6  | 9.9   | 64    | 0.1   | 22.0  | 16.6  | 1192  | 2.84  | 6.6   | 0.9   | 2.2   | 3.5   | 24    | 0.3   | 0.3   | 0.1   | 59    | 0.28  | 0.059 |
| 11TB0710 | Soil                             | 1.0   | 19.8  | 9.5   | 68    | <0.1  | 21.9  | 10.2  | 490   | 3.46  | 6.5   | 0.7   | 3.0   | 8.1   | 18    | <0.1  | 0.3   | 0.1   | 57    | 0.22  | 0.036 |
| 11TB0711 | Soil                             | 1.0   | 14.9  | 8.6   | 50    | 0.1   | 16.4  | 8.2   | 301   | 3.03  | 5.1   | 0.5   | 4.6   | 5.1   | 20    | <0.1  | 0.2   | 0.1   | 57    | 0.22  | 0.041 |
| 11TB0712 | Soil                             | 1.1   | 18.4  | 9.5   | 53    | 0.1   | 21.1  | 8.6   | 365   | 2.83  | 7.3   | 0.7   | 26.2  | 7.3   | 19    | <0.1  | 0.4   | 0.1   | 56    | 0.21  | 0.031 |
| 11TB0713 | Soil                             | 0.9   | 23.4  | 9.0   | 57    | <0.1  | 28.7  | 9.9   | 302   | 3.17  | 10.1  | 0.9   | 4.7   | 7.9   | 18    | <0.1  | 0.5   | 0.1   | 67    | 0.15  | 0.023 |
| 11TB0714 | Soil                             | 0.8   | 19.2  | 7.7   | 65    | <0.1  | 17.5  | 7.9   | 445   | 2.86  | 7.8   | 0.8   | 3.0   | 11.6  | 12    | 0.1   | 0.4   | 0.1   | 49    | 0.14  | 0.031 |
| 11TB0715 | Soil                             | 1.1   | 12.2  | 9.2   | 64    | <0.1  | 14.6  | 9.3   | 415   | 3.16  | 7.1   | 0.8   | 1.8   | 6.9   | 13    | 0.1   | 0.4   | 0.1   | 60    | 0.13  | 0.029 |
| 11TB0716 | Soil                             | 1.1   | 14.3  | 7.6   | 44    | 0.2   | 15.0  | 6.2   | 227   | 2.86  | 7.0   | 0.5   | 9.5   | 3.9   | 13    | 0.2   | 0.4   | 0.1   | 54    | 0.13  | 0.044 |
| 11TB0717 | Soil                             | 1.1   | 12.8  | 9.6   | 45    | <0.1  | 12.1  | 5.7   | 214   | 2.35  | 5.9   | 0.4   | 1.0   | 3.0   | 15    | <0.1  | 0.2   | 0.1   | 53    | 0.16  | 0.036 |
| 11TB0718 | Soil                             | 0.8   | 23.1  | 7.5   | 51    | <0.1  | 17.0  | 8.2   | 278   | 2.54  | 7.2   | 0.7   | 6.5   | 5.3   | 20    | <0.1  | 0.3   | 0.1   | 53    | 0.23  | 0.028 |
| 11TB0719 | Soil                             | 1.3   | 151.1 | 8.2   | 58    | 1.0   | 23.6  | 7.9   | 643   | 2.22  | 3.5   | 2.9   | 11.0  | 2.2   | 100   | 0.6   | 0.6   | 0.2   | 29    | 1.31  | 0.119 |
| 11TB0721 | Soil                             | 0.7   | 21.4  | 6.4   | 62    | <0.1  | 16.8  | 9.4   | 349   | 2.94  | 3.7   | 1.2   | 0.5   | 3.6   | 32    | <0.1  | 0.2   | <0.1  | 60    | 0.33  | 0.055 |
| 11TB0722 | Soil                             | 0.9   | 14.5  | 10.2  | 56    | <0.1  | 18.0  | 9.3   | 321   | 2.79  | 7.7   | 0.5   | 2.9   | 3.3   | 25    | <0.1  | 0.3   | 0.1   | 58    | 0.29  | 0.038 |
| 11TB0723 | Soil                             | 3.4   | 26.4  | 8.7   | 47    | 0.1   | 30.2  | 8.8   | 317   | 2.76  | 3.4   | 0.9   | 2.0   | 0.7   | 25    | 0.2   | 0.6   | <0.1  | 41    | 0.20  | 0.081 |
| 11TB0724 | Soil                             | 0.6   | 16.4  | 5.5   | 92    | 0.1   | 55.6  | 21.0  | 979   | 3.98  | 2.9   | 0.6   | 1.4   | 1.5   | 29    | 0.2   | 0.2   | <0.1  | 113   | 0.60  | 0.150 |
| 11TB0725 | Soil                             | 0.8   | 14.7  | 7.4   | 53    | 0.2   | 30.2  | 8.8   | 214   | 2.22  | 3.6   | 0.5   | 3.3   | 1.5   | 22    | <0.1  | 0.2   | 0.1   | 63    | 0.29  | 0.042 |
| 11TB0726 | Soil                             | 2.6   | 22.2  | 7.3   | 81    | 0.2   | 21.2  | 14.5  | 653   | 3.44  | 4.6   | 1.6   | 3.9   | 3.2   | 49    | 0.2   | 0.3   | <0.1  | 52    | 0.88  | 0.088 |
| 11TB0727 | Soil                             | 1.3   | 16.3  | 8.2   | 82    | <0.1  | 15.5  | 8.8   | 340   | 2.86  | 4.8   | 0.6   | 1.9   | 2.5   | 24    | 0.1   | 0.3   | <0.1  | 63    | 0.36  | 0.056 |





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Project: Mariposa  
Report Date: September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0697 | Soil                             | 24    | 35    | 0.55  | 474   | 0.045 | 1     | 2.23  | 0.010 | 0.05  | 0.2   | 0.04  | 5.2   | <0.1  | 0.05  | 5     | 0.5   | <0.2  |
| 11TB0698 | Soil                             | 13    | 27    | 0.33  | 230   | 0.045 | <1    | 2.22  | 0.007 | 0.05  | 0.1   | 0.04  | 2.6   | <0.1  | <0.05 | 9     | 0.8   | <0.2  |
| 11TB0699 | Soil                             | 13    | 31    | 0.42  | 248   | 0.006 | <1    | 2.35  | 0.006 | 0.05  | <0.1  | 0.02  | 5.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0700 | Soil                             | 26    | 24    | 0.49  | 548   | 0.018 | 1     | 2.07  | 0.008 | 0.07  | <0.1  | 0.02  | 4.3   | 0.2   | <0.05 | 5     | 0.7   | <0.2  |
| 11TB0701 | Soil                             | 20    | 29    | 0.50  | 496   | 0.028 | <1    | 2.19  | 0.008 | 0.06  | 0.1   | 0.03  | 4.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0702 | Soil                             | 12    | 24    | 0.33  | 174   | 0.023 | 1     | 1.74  | 0.006 | 0.08  | 0.1   | 0.01  | 3.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0703 | Soil                             | 19    | 31    | 0.51  | 545   | 0.033 | <1    | 1.89  | 0.010 | 0.06  | 0.1   | 0.05  | 4.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0704 | Soil                             | 16    | 33    | 0.53  | 437   | 0.043 | 1     | 2.07  | 0.009 | 0.05  | 0.1   | 0.03  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0705 | Soil                             | 16    | 31    | 0.54  | 321   | 0.038 | <1    | 2.27  | 0.009 | 0.07  | 0.1   | 0.03  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0706 | Soil                             | 22    | 14    | 0.47  | 228   | 0.112 | <1    | 1.54  | 0.007 | 0.42  | 0.1   | 0.02  | 3.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0707 | Soil                             | 41    | 23    | 0.29  | 362   | 0.060 | <1    | 1.27  | 0.008 | 0.08  | 0.1   | 0.03  | 2.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0708 | Soil                             | 34    | 25    | 0.46  | 560   | 0.040 | <1    | 1.84  | 0.010 | 0.07  | 0.1   | 0.02  | 4.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0709 | Soil                             | 26    | 34    | 0.55  | 435   | 0.064 | 1     | 1.95  | 0.011 | 0.07  | 0.1   | 0.03  | 3.9   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11TB0710 | Soil                             | 26    | 32    | 0.63  | 281   | 0.074 | <1    | 2.29  | 0.009 | 0.14  | 0.1   | 0.01  | 3.8   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11TB0711 | Soil                             | 16    | 34    | 0.65  | 199   | 0.073 | <1    | 2.05  | 0.010 | 0.11  | <0.1  | 0.02  | 3.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0712 | Soil                             | 21    | 32    | 0.58  | 239   | 0.072 | <1    | 1.99  | 0.009 | 0.08  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0713 | Soil                             | 36    | 48    | 0.70  | 206   | 0.085 | <1    | 2.15  | 0.009 | 0.07  | 0.1   | 0.03  | 4.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0714 | Soil                             | 24    | 24    | 0.51  | 173   | 0.094 | <1    | 1.90  | 0.008 | 0.24  | 0.1   | 0.02  | 4.2   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11TB0715 | Soil                             | 11    | 27    | 0.59  | 180   | 0.086 | <1    | 2.28  | 0.008 | 0.17  | 0.1   | 0.02  | 3.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB0716 | Soil                             | 15    | 24    | 0.46  | 206   | 0.058 | <1    | 1.71  | 0.008 | 0.10  | 0.2   | 0.02  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0717 | Soil                             | 10    | 21    | 0.38  | 160   | 0.079 | <1    | 1.51  | 0.009 | 0.09  | 0.2   | 0.02  | 2.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB0718 | Soil                             | 19    | 29    | 0.52  | 218   | 0.075 | <1    | 1.75  | 0.010 | 0.05  | <0.1  | 0.02  | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0719 | Soil                             | 84    | 19    | 0.36  | 692   | 0.047 | 2     | 2.10  | 0.016 | 0.09  | 0.2   | 0.15  | 4.0   | 0.1   | 0.12  | 5     | 1.3   | <0.2  |
| 11TB0721 | Soil                             | 15    | 33    | 0.80  | 513   | 0.115 | <1    | 1.77  | 0.009 | 0.25  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0722 | Soil                             | 11    | 30    | 0.60  | 281   | 0.072 | <1    | 1.73  | 0.011 | 0.10  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0723 | Soil                             | 22    | 24    | 0.29  | 657   | 0.020 | <1    | 1.24  | 0.008 | 0.08  | <0.1  | 0.04  | 3.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11TB0724 | Soil                             | 10    | 119   | 2.13  | 533   | 0.161 | 1     | 2.58  | 0.013 | 0.57  | <0.1  | 0.03  | 7.4   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11TB0725 | Soil                             | 9     | 63    | 0.87  | 228   | 0.112 | <1    | 1.60  | 0.012 | 0.09  | <0.1  | 0.03  | 3.1   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11TB0726 | Soil                             | 25    | 29    | 0.62  | 953   | 0.051 | <1    | 1.69  | 0.012 | 0.11  | <0.1  | 0.04  | 5.5   | <0.1  | 0.08  | 5     | 0.5   | <0.2  |
| 11TB0727 | Soil                             | 11    | 28    | 0.67  | 388   | 0.086 | <1    | 1.90  | 0.010 | 0.08  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |



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**Project:** Mariposa  
**Report Date:** September 10, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
| 11TB0728 | Soil                             | 1.4   | 13.4  | 12.1  | 130   | <0.1  | 11.0  | 8.0   | 565   | 3.06  | 1.7   | 0.6   | 2.4   | 3.5   | 23    | 0.2   | 0.3   | <0.1  | 42    | 0.50  |
| 11TB0729 | Soil                             | 1.2   | 18.8  | 8.7   | 50    | <0.1  | 15.5  | 8.3   | 274   | 2.76  | 7.4   | 0.5   | 8.8   | 4.2   | 16    | 0.1   | 0.3   | 0.1   | 58    | 0.16  |
| 11TB0730 | Soil                             | 1.2   | 19.1  | 9.7   | 45    | 0.1   | 19.0  | 7.7   | 226   | 2.40  | 6.0   | 0.6   | 2.8   | 4.5   | 20    | <0.1  | 0.3   | <0.1  | 49    | 0.27  |
| 11TB0731 | Soil                             | 1.2   | 21.0  | 10.6  | 56    | <0.1  | 22.3  | 10.7  | 305   | 3.05  | 8.0   | 0.7   | 4.6   | 4.9   | 17    | 0.1   | 0.8   | 0.1   | 60    | 0.15  |
| 11TB0732 | Soil                             | 1.4   | 13.6  | 10.2  | 39    | 0.1   | 13.3  | 5.3   | 255   | 2.21  | 5.6   | 0.6   | 10.3  | 5.4   | 16    | 0.1   | 0.5   | 0.1   | 47    | 0.17  |
| 11TB0733 | Soil                             | 1.4   | 14.4  | 11.3  | 43    | 0.3   | 13.4  | 5.2   | 279   | 2.02  | 4.2   | 0.7   | 1.7   | 2.9   | 17    | 0.2   | 0.4   | 0.1   | 42    | 0.22  |
| 11TB0734 | Soil                             | 1.1   | 14.6  | 11.7  | 51    | <0.1  | 16.7  | 8.0   | 352   | 2.60  | 4.9   | 0.5   | 12.8  | 6.2   | 16    | <0.1  | 0.3   | <0.1  | 50    | 0.24  |
| 11TB0735 | Soil                             | 1.2   | 23.9  | 8.1   | 56    | 0.6   | 23.8  | 8.6   | 644   | 2.72  | 3.1   | 3.6   | 15.7  | 5.9   | 52    | 0.2   | 0.4   | <0.1  | 40    | 1.00  |
| 11TB0736 | Soil                             | 0.9   | 29.4  | 7.2   | 49    | 0.2   | 21.1  | 8.3   | 208   | 2.50  | 1.9   | 2.2   | 9.6   | 9.2   | 41    | 0.1   | 0.3   | <0.1  | 44    | 0.81  |
| 11TB0737 | Soil                             | 1.9   | 19.9  | 9.5   | 50    | 0.1   | 20.6  | 10.3  | 355   | 2.55  | 4.5   | 1.5   | 35.7  | 3.8   | 30    | 0.1   | 0.3   | <0.1  | 49    | 0.46  |
| 11TB0738 | Soil                             | 2.1   | 13.5  | 12.9  | 39    | 0.1   | 14.3  | 6.2   | 232   | 2.56  | 5.3   | 0.8   | 9.0   | 3.9   | 19    | <0.1  | 0.4   | 0.2   | 54    | 0.19  |
| 11TB0739 | Soil                             | 1.2   | 18.7  | 12.5  | 52    | <0.1  | 14.0  | 6.6   | 250   | 2.60  | 4.3   | 0.8   | 13.1  | 6.2   | 19    | 0.1   | 0.4   | 0.1   | 48    | 0.24  |
| 11TB0740 | Soil                             | 0.9   | 20.3  | 11.3  | 53    | <0.1  | 16.8  | 8.9   | 258   | 2.69  | 4.8   | 0.9   | 3.5   | 9.6   | 16    | 0.2   | 0.3   | 0.1   | 50    | 0.18  |
| 11TB0741 | Soil                             | 0.9   | 20.4  | 10.5  | 53    | <0.1  | 16.9  | 8.6   | 253   | 2.70  | 5.2   | 0.8   | 4.5   | 9.1   | 16    | <0.1  | 0.3   | 0.1   | 49    | 0.19  |



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**Project:** Mariposa  
**Report Date:** September 10, 2011

**Page:** 9 of 9 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001024.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB0728 | Soil                             | 15    | 13    | 0.47  | 389   | 0.057 | <1    | 1.39  | 0.007 | 0.39  | <0.1  | 0.02  | 6.2   | 0.1   | <0.05 | 5     | 0.5   | <0.2  |
| 11TB0729 | Soil                             | 15    | 28    | 0.44  | 256   | 0.051 | <1    | 1.83  | 0.008 | 0.05  | <0.1  | 0.01  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0730 | Soil                             | 22    | 29    | 0.47  | 592   | 0.039 | <1    | 1.63  | 0.009 | 0.04  | 0.1   | 0.03  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0731 | Soil                             | 16    | 35    | 0.48  | 311   | 0.036 | <1    | 2.27  | 0.009 | 0.07  | <0.1  | 0.03  | 4.9   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11TB0732 | Soil                             | 25    | 20    | 0.29  | 567   | 0.028 | <1    | 1.62  | 0.007 | 0.07  | <0.1  | 0.01  | 3.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0733 | Soil                             | 20    | 21    | 0.28  | 398   | 0.030 | <1    | 1.43  | 0.009 | 0.10  | 0.1   | 0.03  | 2.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0734 | Soil                             | 18    | 29    | 0.48  | 310   | 0.052 | <1    | 1.78  | 0.011 | 0.07  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0735 | Soil                             | 56    | 29    | 0.50  | 1331  | 0.026 | 1     | 2.13  | 0.017 | 0.09  | 0.1   | 0.09  | 5.0   | 0.1   | 0.08  | 6     | <0.5  | <0.2  |
| 11TB0736 | Soil                             | 40    | 51    | 0.60  | 727   | 0.050 | <1    | 1.96  | 0.014 | 0.15  | <0.1  | 0.05  | 5.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0737 | Soil                             | 21    | 48    | 0.53  | 463   | 0.031 | <1    | 1.71  | 0.014 | 0.06  | 0.1   | 0.05  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB0738 | Soil                             | 23    | 27    | 0.38  | 267   | 0.047 | <1    | 1.48  | 0.009 | 0.07  | 0.1   | 0.03  | 2.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0739 | Soil                             | 26    | 25    | 0.43  | 270   | 0.067 | <1    | 1.62  | 0.008 | 0.11  | <0.1  | 0.01  | 2.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0740 | Soil                             | 32    | 32    | 0.54  | 224   | 0.080 | <1    | 1.77  | 0.010 | 0.11  | 0.1   | 0.01  | 2.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0741 | Soil                             | 30    | 32    | 0.52  | 238   | 0.078 | <1    | 1.84  | 0.009 | 0.10  | <0.1  | 0.02  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa

Report Date: September 10, 2011

Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001024.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11CB0664            | Soil                             | 0.7   | 12.9  | 8.2   | 72    | <0.1  | 15.0  | 12.7  | 629   | 3.46  | 5.1   | 0.5   | 2.8   | 3.0   | 19    | <0.1  | 0.2   | 0.1   | 86    | 0.25  | 0.054 |
| REP 11CB0664        | QC                               | 0.8   | 13.4  | 7.8   | 75    | <0.1  | 15.9  | 12.7  | 633   | 3.49  | 5.2   | 0.5   | 2.7   | 3.0   | 19    | <0.1  | 0.3   | 0.1   | 83    | 0.25  | 0.052 |
| 11CB0680            | Soil                             | 0.8   | 17.3  | 10.4  | 42    | <0.1  | 15.3  | 7.1   | 252   | 2.26  | 5.7   | 0.7   | 10.8  | 3.0   | 19    | 0.1   | 0.4   | 0.2   | 56    | 0.17  | 0.032 |
| REP 11CB0680        | QC                               | 0.8   | 17.5  | 10.7  | 42    | <0.1  | 14.7  | 7.3   | 256   | 2.31  | 6.1   | 0.7   | 8.3   | 3.0   | 19    | <0.1  | 0.4   | 0.2   | 58    | 0.17  | 0.033 |
| 11CB0705            | Soil                             | 1.7   | 41.8  | 7.3   | 66    | <0.1  | 20.6  | 10.1  | 278   | 3.85  | 8.9   | 1.3   | 4.2   | 7.4   | 39    | 0.1   | 0.4   | 0.2   | 83    | 0.46  | 0.088 |
| REP 11CB0705        | QC                               | 1.8   | 41.1  | 7.6   | 64    | <0.1  | 20.4  | 9.5   | 284   | 3.73  | 8.9   | 1.4   | 5.6   | 7.4   | 39    | 0.1   | 0.4   | 0.2   | 80    | 0.45  | 0.084 |
| 11DS0680            | Soil                             | 1.3   | 21.9  | 9.1   | 58    | <0.1  | 33.6  | 11.3  | 316   | 3.02  | 5.8   | 1.0   | 3.0   | 10.6  | 32    | <0.1  | 0.5   | 0.1   | 64    | 0.34  | 0.072 |
| REP 11DS0680        | QC                               | 1.4   | 21.5  | 9.3   | 60    | <0.1  | 36.9  | 12.0  | 339   | 3.13  | 5.5   | 1.0   | 2.7   | 11.0  | 35    | <0.1  | 0.5   | 0.2   | 68    | 0.34  | 0.073 |
| 11DS0687            | Soil                             | 0.7   | 44.4  | 6.8   | 56    | <0.1  | 13.6  | 9.3   | 349   | 2.76  | 5.6   | 0.9   | 2.5   | 7.0   | 26    | <0.1  | 0.5   | 0.1   | 44    | 0.25  | 0.050 |
| REP 11DS0687        | QC                               | 0.6   | 44.5  | 6.7   | 55    | <0.1  | 13.2  | 9.4   | 351   | 2.77  | 5.3   | 0.8   | 1.3   | 7.0   | 27    | <0.1  | 0.5   | 0.1   | 44    | 0.26  | 0.047 |
| 11NG0685            | Soil                             | 0.4   | 35.4  | 7.7   | 81    | 0.2   | 92.6  | 21.5  | 568   | 4.22  | 3.2   | 2.3   | 2.6   | 3.2   | 77    | <0.1  | 0.3   | 0.1   | 81    | 1.06  | 0.229 |
| REP 11NG0685        | QC                               | 0.4   | 35.2  | 7.6   | 84    | 0.2   | 91.9  | 21.2  | 571   | 4.22  | 2.9   | 2.3   | 1.3   | 3.1   | 76    | <0.1  | 0.3   | 0.1   | 78    | 1.03  | 0.221 |
| 11NG0696            | Soil                             | 0.9   | 19.2  | 10.9  | 59    | <0.1  | 18.0  | 9.7   | 314   | 2.87  | 7.6   | 0.5   | 3.1   | 3.0   | 18    | <0.1  | 0.6   | 0.1   | 54    | 0.18  | 0.042 |
| REP 11NG0696        | QC                               | 1.0   | 19.5  | 10.7  | 60    | <0.1  | 18.2  | 9.6   | 326   | 2.92  | 7.9   | 0.5   | 4.9   | 3.1   | 18    | 0.1   | 0.5   | 0.1   | 55    | 0.19  | 0.041 |
| 11NG0716            | Soil                             | 0.8   | 20.2  | 9.2   | 57    | <0.1  | 22.7  | 10.6  | 304   | 3.26  | 8.6   | 1.1   | 3.1   | 8.3   | 18    | <0.1  | 0.4   | 0.1   | 62    | 0.17  | 0.023 |
| REP 11NG0716        | QC                               | 0.8   | 20.2  | 8.9   | 55    | <0.1  | 22.6  | 10.4  | 297   | 3.21  | 9.0   | 1.0   | 2.6   | 8.2   | 17    | 0.1   | 0.4   | 0.1   | 62    | 0.17  | 0.024 |
| 11NG0737            | Soil                             | 0.8   | 19.8  | 9.7   | 56    | <0.1  | 22.0  | 11.1  | 364   | 3.14  | 7.7   | 1.1   | 4.7   | 5.1   | 18    | <0.1  | 0.5   | 0.2   | 66    | 0.21  | 0.039 |
| REP 11NG0737        | QC                               | 1.0   | 20.1  | 9.3   | 58    | <0.1  | 22.1  | 11.1  | 358   | 3.10  | 7.9   | 1.2   | 3.1   | 5.2   | 18    | <0.1  | 0.4   | 0.2   | 66    | 0.21  | 0.038 |
| 11NG0747            | Soil                             | 1.2   | 39.0  | 9.1   | 60    | <0.1  | 18.5  | 8.8   | 311   | 3.28  | 6.1   | 0.8   | 3.7   | 8.8   | 25    | <0.1  | 0.5   | 0.1   | 61    | 0.23  | 0.038 |
| REP 11NG0747        | QC                               | 1.3   | 39.0  | 9.2   | 61    | <0.1  | 18.1  | 8.4   | 302   | 3.20  | 6.0   | 0.8   | 15.5  | 9.1   | 24    | <0.1  | 0.5   | 0.1   | 60    | 0.23  | 0.038 |
| 11TB0709            | Soil                             | 0.9   | 20.6  | 9.9   | 64    | 0.1   | 22.0  | 16.6  | 1192  | 2.84  | 6.6   | 0.9   | 2.2   | 3.5   | 24    | 0.3   | 0.3   | 0.1   | 59    | 0.28  | 0.059 |
| REP 11TB0709        | QC                               | 0.8   | 21.5  | 10.4  | 66    | 0.1   | 20.6  | 16.5  | 1224  | 2.90  | 6.9   | 0.9   | 1.8   | 3.5   | 24    | 0.2   | 0.3   | 0.1   | 60    | 0.28  | 0.062 |
| 11TB0724            | Soil                             | 0.6   | 16.4  | 5.5   | 92    | 0.1   | 55.6  | 21.0  | 979   | 3.98  | 2.9   | 0.6   | 1.4   | 1.5   | 29    | 0.2   | 0.2   | <0.1  | 113   | 0.60  | 0.150 |
| REP 11TB0724        | QC                               | 0.7   | 16.1  | 5.0   | 89    | <0.1  | 53.9  | 20.9  | 982   | 3.92  | 3.0   | 0.5   | 1.0   | 1.4   | 27    | 0.1   | 0.2   | <0.1  | 109   | 0.62  | 0.136 |
| 11TB0737            | Soil                             | 1.9   | 19.9  | 9.5   | 50    | 0.1   | 20.6  | 10.3  | 355   | 2.55  | 4.5   | 1.5   | 35.7  | 3.8   | 30    | 0.1   | 0.3   | <0.1  | 49    | 0.46  | 0.067 |
| REP 11TB0737        | QC                               | 1.9   | 19.7  | 9.5   | 51    | 0.1   | 20.3  | 10.0  | 354   | 2.57  | 4.5   | 1.4   | 11.1  | 3.8   | 31    | 0.1   | 0.3   | <0.1  | 50    | 0.47  | 0.067 |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard                         | 13.2  | 111.9 | 123.3 | 300   | 1.8   | 37.9  | 7.8   | 624   | 2.48  | 21.1  | 2.4   | 113.1 | 7.1   | 55    | 1.9   | 4.4   | 5.2   | 41    | 0.68  | 0.075 |



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Page: 1 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11001024.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11CB0664            | Soil                             | 9     | 31    | 1.03  | 321   | 0.169 | 1     | 2.21  | 0.012 | 0.25  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| REP 11CB0664        | QC                               | 9     | 32    | 1.08  | 325   | 0.171 | <1    | 2.18  | 0.013 | 0.26  | <0.1  | 0.02  | 4.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB0680            | Soil                             | 16    | 28    | 0.45  | 232   | 0.072 | <1    | 1.68  | 0.009 | 0.05  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11CB0680        | QC                               | 16    | 28    | 0.47  | 244   | 0.075 | 1     | 1.70  | 0.010 | 0.06  | <0.1  | 0.01  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB0705            | Soil                             | 31    | 43    | 0.77  | 349   | 0.138 | <1    | 2.49  | 0.021 | 0.12  | <0.1  | 0.02  | 3.5   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| REP 11CB0705        | QC                               | 30    | 43    | 0.76  | 356   | 0.131 | 1     | 2.36  | 0.020 | 0.12  | 0.1   | 0.02  | 3.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS0680            | Soil                             | 39    | 49    | 0.79  | 582   | 0.094 | 1     | 1.97  | 0.013 | 0.07  | <0.1  | 0.02  | 4.3   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| REP 11DS0680        | QC                               | 41    | 52    | 0.84  | 604   | 0.101 | <1    | 2.07  | 0.013 | 0.07  | <0.1  | 0.02  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS0687            | Soil                             | 26    | 23    | 0.59  | 365   | 0.053 | <1    | 1.90  | 0.009 | 0.12  | <0.1  | <0.01 | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| REP 11DS0687        | QC                               | 27    | 23    | 0.58  | 377   | 0.051 | <1    | 1.88  | 0.009 | 0.12  | <0.1  | <0.01 | 3.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0685            | Soil                             | 39    | 123   | 1.77  | 610   | 0.040 | <1    | 2.75  | 0.013 | 0.17  | <0.1  | 0.07  | 12.5  | 0.1   | <0.05 | 8     | 0.6   | <0.2  |
| REP 11NG0685        | QC                               | 39    | 119   | 1.68  | 618   | 0.038 | 2     | 2.74  | 0.013 | 0.16  | <0.1  | 0.07  | 12.5  | <0.1  | <0.05 | 8     | 0.7   | <0.2  |
| 11NG0696            | Soil                             | 14    | 29    | 0.51  | 350   | 0.051 | <1    | 1.98  | 0.009 | 0.06  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11NG0696        | QC                               | 15    | 30    | 0.53  | 371   | 0.052 | <1    | 2.00  | 0.009 | 0.06  | 0.1   | 0.03  | 3.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0716            | Soil                             | 27    | 35    | 0.60  | 288   | 0.070 | <1    | 2.39  | 0.009 | 0.07  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| REP 11NG0716        | QC                               | 26    | 35    | 0.61  | 281   | 0.070 | <1    | 2.36  | 0.009 | 0.06  | <0.1  | 0.04  | 4.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0737            | Soil                             | 15    | 36    | 0.55  | 406   | 0.040 | 2     | 2.33  | 0.010 | 0.05  | 0.1   | 0.02  | 6.3   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| REP 11NG0737        | QC                               | 16    | 35    | 0.55  | 406   | 0.042 | 2     | 2.26  | 0.011 | 0.05  | 0.2   | 0.03  | 6.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0747            | Soil                             | 34    | 34    | 0.62  | 302   | 0.094 | 2     | 2.13  | 0.011 | 0.09  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| REP 11NG0747        | QC                               | 34    | 33    | 0.60  | 288   | 0.093 | 1     | 2.10  | 0.011 | 0.09  | 0.1   | 0.03  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0709            | Soil                             | 26    | 34    | 0.55  | 435   | 0.064 | 1     | 1.95  | 0.011 | 0.07  | 0.1   | 0.03  | 3.9   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| REP 11TB0709        | QC                               | 27    | 34    | 0.57  | 436   | 0.062 | 1     | 2.01  | 0.011 | 0.07  | 0.1   | 0.03  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB0724            | Soil                             | 10    | 119   | 2.13  | 533   | 0.161 | 1     | 2.58  | 0.013 | 0.57  | <0.1  | 0.03  | 7.4   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| REP 11TB0724        | QC                               | 10    | 116   | 2.01  | 513   | 0.155 | <1    | 2.39  | 0.012 | 0.56  | <0.1  | 0.02  | 7.4   | 0.2   | <0.05 | 9     | 0.5   | <0.2  |
| 11TB0737            | Soil                             | 21    | 48    | 0.53  | 463   | 0.031 | <1    | 1.71  | 0.014 | 0.06  | 0.1   | 0.05  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 11TB0737        | QC                               | 22    | 48    | 0.54  | 464   | 0.034 | <1    | 1.66  | 0.015 | 0.06  | 0.1   | 0.04  | 4.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard                         | 14    | 121   | 0.62  | 278   | 0.102 | 3     | 0.89  | 0.082 | 0.41  | 3.0   | 0.17  | 1.9   | 5.5   | 0.15  | 5     | 5.3   | 5.0   |



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1100 - 1199 West Hastings Street

Vancouver BC V6E 3T5 Canada

Project: Mariposa

Report Date: September 10, 2011

Page: 2 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001024.1

|                  |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                  |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                  |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                  |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| STD DS8          | Standard | 13.2  | 109.5 | 127.9 | 319   | 1.9   | 38.2  | 7.7   | 625   | 2.50  | 25.5  | 2.8   | 126.0 | 6.4   | 64    | 2.2   | 5.0   | 6.3   | 41    | 0.67  | 0.082  |
| STD DS8          | Standard | 11.9  | 108.3 | 126.9 | 301   | 1.7   | 37.7  | 7.4   | 597   | 2.32  | 24.0  | 3.0   | 112.5 | 7.1   | 70    | 2.3   | 5.9   | 6.9   | 42    | 0.64  | 0.079  |
| STD DS8          | Standard | 13.3  | 113.1 | 120.5 | 319   | 1.8   | 39.5  | 7.7   | 623   | 2.53  | 26.2  | 2.5   | 144.3 | 6.5   | 65    | 2.5   | 5.4   | 6.3   | 42    | 0.68  | 0.083  |
| STD DS8          | Standard | 14.0  | 109.3 | 134.1 | 311   | 1.9   | 39.1  | 7.5   | 621   | 2.47  | 23.9  | 3.3   | 121.6 | 7.9   | 78    | 2.2   | 6.3   | 8.0   | 44    | 0.72  | 0.079  |
| STD DS8          | Standard | 12.4  | 101.7 | 119.9 | 299   | 1.8   | 35.4  | 7.4   | 587   | 2.37  | 25.0  | 2.6   | 105.5 | 6.5   | 62    | 2.2   | 5.5   | 6.3   | 39    | 0.65  | 0.078  |
| STD DS8          | Standard | 12.8  | 110.4 | 128.0 | 316   | 1.7   | 37.6  | 7.5   | 611   | 2.47  | 24.7  | 2.8   | 120.4 | 7.0   | 72    | 2.6   | 5.7   | 7.3   | 44    | 0.69  | 0.080  |
| STD DS8          | Standard | 12.8  | 108.0 | 122.4 | 312   | 1.8   | 37.5  | 7.2   | 600   | 2.40  | 24.5  | 3.1   | 110.8 | 6.5   | 71    | 2.6   | 5.9   | 7.3   | 43    | 0.65  | 0.077  |
| STD DS8 Expected |          | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK              | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Project: Mariposa

Report Date: September 10, 2011

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## QUALITY CONTROL REPORT

WHI11001024.1

|                  |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| STD DS8          | Standard | 15                      | 118                     | 0.63                     | 279                     | 0.109                     | 2                      | 0.91                     | 0.081                     | 0.40                    | 2.8                      | 0.20                       | 1.9                       | 5.7                       | 0.16                    | 5                       | 6.0                       | 5.2                       |
| STD DS8          | Standard | 14                      | 111                     | 0.59                     | 259                     | 0.123                     | 2                      | 0.89                     | 0.092                     | 0.40                    | 2.9                      | 0.18                       | 2.2                       | 5.4                       | 0.14                    | 5                       | 5.5                       | 4.7                       |
| STD DS8          | Standard | 15                      | 116                     | 0.61                     | 275                     | 0.115                     | 2                      | 0.88                     | 0.083                     | 0.41                    | 3.0                      | 0.19                       | 2.2                       | 5.1                       | 0.15                    | 5                       | 5.3                       | 4.9                       |
| STD DS8          | Standard | 18                      | 120                     | 0.63                     | 286                     | 0.134                     | 2                      | 0.95                     | 0.092                     | 0.41                    | 3.0                      | 0.22                       | 2.3                       | 5.5                       | 0.17                    | 5                       | 6.3                       | 5.0                       |
| STD DS8          | Standard | 14                      | 108                     | 0.58                     | 262                     | 0.107                     | 2                      | 0.84                     | 0.079                     | 0.39                    | 2.9                      | 0.20                       | 2.1                       | 5.3                       | 0.10                    | 4                       | 5.1                       | 4.8                       |
| STD DS8          | Standard | 16                      | 111                     | 0.66                     | 271                     | 0.117                     | <1                     | 0.93                     | 0.079                     | 0.41                    | 2.8                      | 0.19                       | 2.2                       | 5.3                       | 0.15                    | 5                       | 4.9                       | 5.0                       |
| STD DS8          | Standard | 15                      | 112                     | 0.60                     | 263                     | 0.110                     | 4                      | 0.87                     | 0.080                     | 0.39                    | 2.8                      | 0.21                       | 1.8                       | 5.2                       | 0.13                    | 5                       | 5.3                       | 4.9                       |
| STD DS8 Expected |          | 14.6                    | 115                     | 0.6045                   | 279                     | 0.113                     | 2.6                    | 0.93                     | 0.0883                    | 0.41                    | 3                        | 0.192                      | 2.3                       | 5.4                       | 0.1679                  | 4.7                     | 5.23                      | 5                         |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK              | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 03, 2011

Report Date: September 12, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001004.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-15  
P.O. Number  
Number of Samples: 168

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 162               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 162               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 162               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 162               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.





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## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method | Analyte | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |    |      |
|----------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11NG0515 | Soil   |         | 2.2  | 30.3 | 12.3  | 58    | <0.1  | 17.1  | 10.1  | 349   | 3.46  | 4.5   | 0.9   | 6.5   | 9.6   | 21    | <0.1  | 0.4   | <0.1  | 48    | 0.19  | 0.052 |    |      |
| 11NG0516 | Soil   |         | 0.9  | 21.8 | 10.9  | 52    | <0.1  | 19.0  | 9.4   | 348   | 2.75  | 6.1   | 1.1   | 5.8   | 11.4  | 33    | <0.1  | 0.4   | 0.1   | 51    | 0.27  | 0.031 |    |      |
| 11NG0517 | Soil   |         | 1.5  | 40.1 | 17.8  | 52    | <0.1  | 31.3  | 9.3   | 232   | 3.16  | 6.8   | 0.8   | 5.0   | 7.9   | 19    | 0.1   | 4.0   | 0.4   | 45    | 0.15  | 0.034 |    |      |
| 11NG0518 | Soil   |         | I.S. | I.S. | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |       |    |      |
| 11NG0519 | Soil   |         | 0.6  | 38.6 | 11.2  | 73    | <0.1  | 36.2  | 19.0  | 701   | 3.73  | 5.0   | 0.6   | 2.7   | 2.8   | 35    | 0.1   | 0.4   | <0.1  | 91    | 0.53  | 0.058 |    |      |
| 11NG0520 | Soil   |         | 0.8  | 22.3 | 11.5  | 67    | <0.1  | 15.4  | 8.9   | 655   | 3.29  | 5.5   | 1.0   | 1.2   | 5.6   | 22    | <0.1  | 0.4   | 0.1   | 52    | 0.30  | 0.037 |    |      |
| 11NG0521 | Soil   |         | 0.6  | 22.3 | 9.3   | 69    | <0.1  | 13.1  | 8.1   | 708   | 3.24  | 4.7   | 0.9   | 2.0   | 6.1   | 21    | <0.1  | 0.4   | 0.1   | 44    | 0.32  | 0.038 |    |      |
| 11NG0522 | Soil   |         | 1.6  | 26.7 | 9.8   | 78    | <0.1  | 41.3  | 13.8  | 612   | 4.09  | 7.0   | 1.1   | 0.8   | 5.5   | 22    | 0.1   | 0.3   | 0.2   | 78    | 0.29  | 0.064 |    |      |
| 11NG0523 | Soil   |         | 0.9  | 16.5 | 8.5   | 65    | <0.1  | 15.8  | 8.7   | 459   | 3.09  | 7.4   | 0.7   | 0.8   | 3.7   | 17    | <0.1  | 0.3   | 0.2   | 69    | 0.20  | 0.044 |    |      |
| 11NG0524 | Soil   |         | 0.8  | 38.0 | 18.8  | 118   | 0.1   | 19.5  | 18.5  | 960   | 4.30  | 4.4   | 0.3   | <0.5  | 1.9   | 17    | 0.2   | 0.3   | 0.1   | 125   | 0.28  | 0.049 |    |      |
| 11NG0525 | Soil   |         | 0.9  | 20.6 | 15.2  | 93    | 0.1   | 18.3  | 11.9  | 517   | 3.75  | 7.7   | 0.3   | 1.2   | 1.7   | 15    | 0.2   | 0.4   | 0.1   | 126   | 0.20  | 0.046 |    |      |
| 11NG0526 | Soil   |         | 1.0  | 18.6 | 8.5   | 71    | <0.1  | 17.9  | 8.3   | 469   | 3.51  | 7.5   | 0.6   | 7.1   | 4.1   | 18    | <0.1  | 0.5   | 0.2   | 68    | 0.20  | 0.036 |    |      |
| 11NG0527 | Soil   |         | 0.8  | 16.3 | 7.1   | 61    | <0.1  | 17.2  | 9.1   | 355   | 2.97  | 5.8   | 0.7   | 2.2   | 5.3   | 22    | 0.1   | 0.3   | 0.1   | 57    | 0.21  | 0.028 |    |      |
| 11NG0528 | Soil   |         | 1.0  | 15.3 | 8.6   | 75    | <0.1  | 17.1  | 10.8  | 454   | 3.74  | 7.1   | 0.5   | 2.4   | 4.2   | 15    | <0.1  | 0.4   | 0.1   | 88    | 0.16  | 0.025 |    |      |
| 11NG0529 | Soil   |         | 0.9  | 18.2 | 8.9   | 55    | 0.2   | 23.0  | 9.8   | 247   | 3.12  | 9.6   | 0.6   | 0.5   | 4.6   | 18    | <0.1  | 0.5   | 0.2   | 69    | 0.16  | 0.024 |    |      |
| 11NG0530 | Soil   |         | 0.6  | 25.8 | 7.4   | 55    | 0.1   | 21.7  | 11.6  | 247   | 3.02  | 6.0   | 0.5   | 6.7   | 2.1   | 16    | <0.1  | 0.3   | 0.1   | 65    | 0.24  | 0.039 |    |      |
| 11NG0531 | Soil   |         | 0.7  | 60.9 | 8.3   | 87    | <0.1  | 15.7  | 17.9  | 267   | 4.84  | 4.2   | 0.4   | 5.1   | 3.9   | 11    | <0.1  | 0.3   | 0.1   | 85    | 0.15  | 0.039 |    |      |
| 11NG0532 | Soil   |         | 1.0  | 19.8 | 10.1  | 84    | 0.1   | 16.9  | 11.6  | 539   | 3.45  | 6.4   | 0.5   | 4.3   | 4.1   | 12    | 0.2   | 0.4   | 0.2   | 61    | 0.13  | 0.039 |    |      |
| 11NG0533 | Soil   |         | 1.1  | 18.8 | 11.1  | 50    | 0.1   | 43.0  | 11.0  | 307   | 3.53  | 9.8   | 0.7   | 6.9   | 7.4   | 20    | 0.1   | 1.2   | 0.2   | 55    | 0.24  | 0.069 |    |      |
| 11NG0534 | Soil   |         | 1.0  | 18.7 | 8.5   | 51    | <0.1  | 26.4  | 10.1  | 321   | 3.29  | 4.6   | 0.7   | 2.8   | 7.8   | 23    | <0.1  | 0.4   | 0.1   | 52    | 0.17  | 0.026 |    |      |
| 11NG0535 | Soil   |         | I.S. | I.S. | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |       |    |      |
| 11NG0536 | Soil   |         | 2.9  | 26.5 | 9.2   | 63    | <0.1  | 17.3  | 10.2  | 318   | 3.16  | 6.0   | 0.8   | 52.7  | 8.5   | 17    | <0.1  | 0.4   | 0.2   | 42    | 0.20  | 0.031 |    |      |
| 11NG0537 | Soil   |         | 2.1  | 10.7 | 7.8   | 48    | <0.1  | 14.9  | 7.5   | 337   | 2.65  | 4.3   | 0.7   | 78.5  | 6.1   | 13    | 0.1   | 0.3   | 0.1   | 42    | 0.16  | 0.042 |    |      |
| 11NG0538 | Soil   |         | 0.2  | 7.6  | 6.0   | 35    | <0.1  | 3.6   | 3.3   | 342   | 1.51  | 0.9   | 0.6   | 2.5   | 15.8  | 30    | <0.1  | 0.1   | <0.1  | 11    | 0.49  | 0.024 |    |      |
| 11NG0539 | Soil   |         | 0.8  | 34.3 | 11.6  | 66    | <0.1  | 104.3 | 19.3  | 576   | 4.15  | 5.5   | 1.2   | 4.3   | 12.8  | 75    | <0.1  | 0.4   | 0.1   | 83    | 0.62  | 0.153 |    |      |
| 11NG0540 | Soil   |         | 0.8  | 23.8 | 8.7   | 58    | <0.1  | 24.4  | 10.0  | 406   | 2.98  | 6.8   | 0.8   | 6.0   | 7.4   | 27    | <0.1  | 0.3   | 0.1   | 55    | 0.29  | 0.035 |    |      |
| 11NG0541 | Soil   |         | 0.7  | 23.3 | 8.6   | 57    | <0.1  | 24.1  | 10.0  | 441   | 3.01  | 7.0   | 0.9   | 4.1   | 7.2   | 27    | <0.1  | 0.4   | 0.1   | 55    | 0.29  | 0.034 |    |      |
| 11NG0542 | Soil   |         | 1.6  | 13.3 | 11.4  | 51    | 0.2   | 16.0  | 7.3   | 460   | 2.66  | 6.5   | 0.7   | 6.7   | 4.1   | 16    | <0.1  | 0.3   | 0.2   | 58    | 0.19  | 0.035 |    |      |
| 11NG0543 | Soil   |         | 1.0  | 23.1 | 9.8   | 54    | 0.1   | 19.1  | 8.4   | 384   | 2.67  | 8.1   | 0.9   | 13.0  | 6.2   | 26    | <0.1  | 0.4   | 0.2   | 54    | 0.37  | 0.043 |    |      |
| 11NG0544 | Soil   |         | 0.9  | 22.7 | 9.9   | 53    | <0.1  | 24.8  | 9.2   | 405   | 2.82  | 7.0   | 1.0   | 6.5   | 10.9  | 24    | <0.1  | 0.4   | 0.2   | 53    | 0.32  | 0.034 |    |      |



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Project: Mariposa  
Report Date: September 12, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0515 | Soil                             | 19    | 36    | 0.61  | 193   | 0.080 | 4     | 2.05  | 0.010 | 0.26  | <0.1  | 0.02  | 4.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0516 | Soil                             | 36    | 32    | 0.62  | 345   | 0.106 | 4     | 1.83  | 0.015 | 0.15  | <0.1  | 0.03  | 6.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0517 | Soil                             | 24    | 29    | 0.37  | 356   | 0.021 | 5     | 1.74  | 0.008 | 0.07  | <0.1  | 0.02  | 3.9   | 0.1   | <0.05 | 4     | 0.5   | <0.2  |
| 11NG0518 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11NG0519 | Soil                             | 13    | 65    | 1.32  | 329   | 0.156 | 4     | 2.64  | 0.019 | 0.09  | 0.1   | 0.03  | 8.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0520 | Soil                             | 26    | 24    | 0.51  | 428   | 0.064 | 4     | 1.92  | 0.012 | 0.11  | <0.1  | 0.02  | 6.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0521 | Soil                             | 31    | 20    | 0.47  | 477   | 0.052 | 5     | 1.76  | 0.011 | 0.12  | <0.1  | 0.02  | 6.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0522 | Soil                             | 20    | 53    | 1.07  | 246   | 0.123 | 4     | 2.93  | 0.013 | 0.17  | <0.1  | 0.02  | 6.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0523 | Soil                             | 12    | 25    | 0.74  | 193   | 0.139 | 5     | 2.19  | 0.011 | 0.19  | 0.1   | 0.03  | 5.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0524 | Soil                             | 6     | 47    | 1.51  | 293   | 0.241 | 2     | 2.67  | 0.018 | 0.48  | 0.1   | 0.02  | 8.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0525 | Soil                             | 6     | 39    | 1.14  | 220   | 0.260 | 4     | 1.89  | 0.013 | 0.26  | 0.1   | 0.03  | 4.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0526 | Soil                             | 13    | 30    | 0.69  | 225   | 0.116 | 3     | 2.26  | 0.013 | 0.15  | 0.1   | 0.03  | 5.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0527 | Soil                             | 16    | 29    | 0.64  | 321   | 0.122 | 3     | 2.11  | 0.012 | 0.12  | 0.1   | 0.01  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0528 | Soil                             | 12    | 30    | 1.01  | 215   | 0.167 | 2     | 2.59  | 0.012 | 0.24  | 0.1   | 0.03  | 6.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0529 | Soil                             | 12    | 32    | 0.60  | 225   | 0.100 | 1     | 2.35  | 0.011 | 0.08  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0530 | Soil                             | 9     | 38    | 0.82  | 186   | 0.105 | 2     | 2.38  | 0.011 | 0.07  | 0.1   | 0.03  | 3.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0531 | Soil                             | 12    | 21    | 1.22  | 184   | 0.135 | 2     | 3.05  | 0.008 | 0.14  | <0.1  | 0.02  | 5.9   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0532 | Soil                             | 15    | 26    | 0.71  | 298   | 0.032 | 2     | 2.29  | 0.007 | 0.09  | 0.1   | 0.02  | 4.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0533 | Soil                             | 22    | 39    | 0.44  | 294   | 0.023 | 2     | 2.11  | 0.007 | 0.08  | <0.1  | 0.02  | 4.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0534 | Soil                             | 26    | 77    | 0.74  | 281   | 0.054 | 2     | 2.24  | 0.007 | 0.12  | <0.1  | 0.03  | 5.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0535 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11NG0536 | Soil                             | 21    | 23    | 0.43  | 285   | 0.026 | 2     | 2.31  | 0.006 | 0.11  | <0.1  | 0.04  | 4.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0537 | Soil                             | 32    | 36    | 0.36  | 279   | 0.026 | 2     | 1.45  | 0.006 | 0.05  | <0.1  | 0.01  | 4.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0538 | Soil                             | 49    | 5     | 0.44  | 167   | 0.025 | <1    | 1.33  | 0.005 | 0.10  | <0.1  | 0.01  | 3.3   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0539 | Soil                             | 71    | 161   | 1.68  | 904   | 0.129 | 2     | 2.53  | 0.011 | 0.08  | <0.1  | 0.05  | 9.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0540 | Soil                             | 32    | 33    | 0.63  | 503   | 0.068 | 2     | 1.84  | 0.010 | 0.08  | 0.1   | 0.03  | 6.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0541 | Soil                             | 33    | 34    | 0.64  | 495   | 0.068 | 1     | 1.82  | 0.010 | 0.08  | 0.1   | 0.03  | 7.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0542 | Soil                             | 20    | 30    | 0.44  | 322   | 0.047 | 2     | 1.65  | 0.008 | 0.05  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0543 | Soil                             | 21    | 34    | 0.55  | 332   | 0.067 | 2     | 1.84  | 0.011 | 0.06  | <0.1  | 0.03  | 5.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0544 | Soil                             | 34    | 42    | 0.62  | 447   | 0.083 | 1     | 1.75  | 0.012 | 0.08  | 0.1   | 0.03  | 6.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: September 12, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11NG0545 | Soil                             | 0.9              | 19.7             | 10.2             | 52             | <0.1             | 24.1             | 10.0             | 287            | 2.84            | 6.3              | 0.8             | 14.0             | 9.4              | 20             | <0.1             | 0.3              | 0.1              | 54            | 0.22            | 0.029           |
| 11NG0546 | Soil                             | 1.2              | 17.7             | 9.3              | 52             | <0.1             | 14.3             | 6.2              | 265            | 2.88            | 3.3              | 1.0             | 4.3              | 16.8             | 16             | <0.1             | 0.3              | <0.1             | 34            | 0.18            | 0.025           |
| 11NG0547 | Soil                             | 3.2              | 11.9             | 15.2             | 63             | <0.1             | 10.2             | 7.2              | 270            | 3.43            | 3.7              | 1.0             | 2.8              | 8.2              | 9              | <0.1             | 0.3              | <0.1             | 26            | 0.08            | 0.023           |
| 11NG0548 | Soil                             | 3.1              | 50.9             | 14.6             | 103            | 0.1              | 18.9             | 13.4             | 630            | 3.78            | 5.9              | 0.8             | 2.8              | 3.9              | 22             | 0.1              | 0.3              | 0.2              | 60            | 0.68            | 0.072           |
| 11NG0549 | Soil                             | 0.5              | 21.2             | 6.7              | 100            | 0.3              | 12.9             | 14.9             | 367            | 3.66            | 3.2              | 0.4             | 9.9              | 2.1              | 34             | <0.1             | 0.2              | <0.1             | 87            | 0.67            | 0.093           |
| 11NG0550 | Soil                             | 0.7              | 13.9             | 5.3              | 61             | 0.1              | 12.0             | 8.3              | 480            | 2.62            | 3.0              | 0.4             | 1.3              | 3.0              | 11             | <0.1             | 0.2              | <0.1             | 37            | 0.19            | 0.040           |
| 11NG0551 | Soil                             | 1.0              | 14.6             | 9.3              | 83             | 0.1              | 15.5             | 9.5              | 394            | 3.67            | 5.6              | 0.7             | 7.0              | 2.7              | 21             | <0.1             | 0.2              | <0.1             | 51            | 0.21            | 0.046           |
| 11NG0552 | Soil                             | 0.7              | 22.8             | 8.5              | 87             | 0.2              | 26.3             | 20.7             | 289            | 4.27            | 4.7              | 0.6             | 1.9              | 4.0              | 32             | <0.1             | 0.2              | <0.1             | 76            | 0.35            | 0.052           |
| 11NG0553 | Soil                             | 0.5              | 9.1              | 5.5              | 94             | <0.1             | 8.9              | 9.7              | 496            | 3.69            | 3.0              | 0.5             | 2.0              | 4.0              | 9              | <0.1             | 0.1              | <0.1             | 73            | 0.16            | 0.032           |
| 11NG0554 | Soil                             | I.S.             | I.S.             | I.S.             | I.S.           | I.S.             | I.S.             | I.S.             | I.S.           | I.S.            | I.S.             | I.S.            | I.S.             | I.S.             | I.S.           | I.S.             | I.S.             | I.S.             | I.S.          | I.S.            | I.S.            |
| 11NG0555 | Soil                             | 0.8              | 12.0             | 4.8              | 83             | <0.1             | 10.8             | 9.5              | 635            | 3.58            | 2.5              | 0.7             | 1.3              | 6.2              | 14             | <0.1             | 0.1              | <0.1             | 50            | 0.23            | 0.046           |
| 11NG0556 | Soil                             | 0.9              | 18.2             | 9.1              | 64             | 0.7              | 11.4             | 7.2              | 234            | 2.43            | 2.8              | 1.0             | 8.8              | 2.8              | 28             | 0.1              | 0.1              | <0.1             | 36            | 0.34            | 0.039           |
| 11NG0557 | Soil                             | 0.8              | 16.8             | 7.6              | 74             | <0.1             | 10.9             | 8.7              | 538            | 2.77            | 2.1              | 0.7             | 1.7              | 5.0              | 16             | 0.2              | 0.1              | <0.1             | 45            | 0.35            | 0.080           |
| 11NG0558 | Soil                             | 0.7              | 23.3             | 7.6              | 80             | 0.3              | 18.6             | 15.2             | 444            | 3.79            | 4.7              | 0.3             | 1.6              | 1.3              | 17             | <0.1             | 0.2              | <0.1             | 84            | 0.18            | 0.043           |
| 11NG0559 | Soil                             | 0.8              | 16.5             | 7.3              | 100            | 0.1              | 11.3             | 14.1             | 394            | 3.85            | 3.4              | 0.4             | 51.8             | 1.9              | 21             | <0.1             | 0.2              | <0.1             | 60            | 0.38            | 0.088           |
| 11NG0560 | Soil                             | 0.8              | 20.6             | 7.7              | 60             | 0.3              | 14.4             | 8.6              | 213            | 2.82            | 4.5              | 0.9             | 6.8              | 2.5              | 21             | 0.2              | 0.2              | 0.1              | 52            | 0.29            | 0.060           |
| 11NG0561 | Soil                             | 0.8              | 18.8             | 6.5              | 58             | 0.3              | 14.7             | 8.3              | 205            | 2.73            | 4.1              | 0.8             | 8.5              | 2.2              | 21             | 0.1              | 0.2              | 0.1              | 51            | 0.29            | 0.059           |
| 11NG0562 | Soil                             | 1.1              | 17.0             | 7.1              | 55             | 0.7              | 10.3             | 8.1              | 193            | 2.88            | 5.8              | 0.8             | 25.5             | 2.4              | 36             | 0.1              | 0.2              | 0.1              | 49            | 0.33            | 0.068           |
| 11NG0563 | Soil                             | 0.6              | 39.2             | 7.5              | 110            | <0.1             | 7.7              | 17.6             | 354            | 4.87            | 1.5              | 0.6             | 2.2              | 4.5              | 21             | <0.1             | 0.1              | <0.1             | 118           | 0.44            | 0.104           |
| 11NG0564 | Soil                             | 0.5              | 43.2             | 11.2             | 90             | 0.2              | 13.6             | 14.4             | 392            | 4.33            | 3.6              | 0.6             | 2.3              | 3.3              | 38             | <0.1             | 0.1              | <0.1             | 96            | 1.19            | 0.063           |
| 11NG0565 | Soil                             | 1.0              | 19.8             | 8.7              | 58             | <0.1             | 12.7             | 9.5              | 325            | 3.01            | 5.4              | 0.7             | 9.8              | 6.6              | 22             | <0.1             | 0.3              | 0.1              | 48            | 0.31            | 0.040           |
| 11NG0566 | Soil                             | 0.8              | 18.1             | 10.7             | 52             | <0.1             | 24.1             | 10.9             | 284            | 2.87            | 8.0              | 0.5             | 12.8             | 7.0              | 18             | <0.1             | 0.4              | 0.1              | 49            | 0.21            | 0.029           |
| 11NG0567 | Soil                             | 1.3              | 27.0             | 9.2              | 60             | 0.2              | 22.7             | 7.7              | 529            | 2.77            | 6.0              | 1.1             | 10.8             | 4.8              | 23             | 0.2              | 0.3              | 0.2              | 51            | 0.28            | 0.061           |
| 11NG0568 | Soil                             | 0.3              | 30.1             | 3.3              | 52             | <0.1             | 8.5              | 12.3             | 390            | 2.61            | 2.1              | 0.5             | 1.9              | 3.1              | 15             | <0.1             | <0.1             | <0.1             | 54            | 0.48            | 0.111           |
| 11NG0569 | Soil                             | 0.9              | 20.4             | 7.3              | 48             | 0.1              | 16.2             | 9.2              | 351            | 2.12            | 6.1              | 0.9             | 34.3             | 3.8              | 22             | <0.1             | 0.3              | 0.1              | 43            | 0.33            | 0.039           |
| 11NG0570 | Soil                             | 1.1              | 13.0             | 7.1              | 61             | <0.1             | 8.9              | 5.0              | 363            | 2.28            | 2.0              | 0.7             | 3.0              | 6.4              | 24             | <0.1             | 0.2              | <0.1             | 31            | 0.42            | 0.029           |
| 11NG0571 | Soil                             | 1.4              | 16.9             | 8.6              | 54             | 0.1              | 19.2             | 7.5              | 281            | 3.19            | 7.2              | 0.6             | 10.9             | 4.9              | 16             | <0.1             | 0.4              | 0.1              | 55            | 0.15            | 0.047           |
| 11NG0572 | Soil                             | 0.9              | 18.8             | 8.2              | 51             | 0.1              | 20.8             | 8.3              | 400            | 2.95            | 6.3              | 0.5             | 1.1              | 4.0              | 21             | 0.1              | 0.3              | 0.2              | 61            | 0.26            | 0.041           |
| 11NG0573 | Soil                             | 1.0              | 21.4             | 7.4              | 51             | <0.1             | 19.7             | 11.3             | 288            | 2.75            | 9.4              | 0.2             | <0.5             | 1.1              | 11             | <0.1             | 0.3              | <0.1             | 65            | 0.15            | 0.041           |
| 11NG0574 | Soil                             | 2.2              | 18.0             | 7.2              | 50             | <0.1             | 9.6              | 4.8              | 155            | 2.36            | 4.9              | 0.5             | 3.4              | 5.9              | 16             | 0.1              | 0.4              | <0.1             | 35            | 0.12            | 0.022           |



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Project: Mariposa  
Report Date: September 12, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0545 | Soil                             | 28    | 43    | 0.60  | 346   | 0.070 | 2     | 1.92  | 0.009 | 0.07  | 0.1   | 0.03  | 4.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0546 | Soil                             | 73    | 22    | 0.45  | 402   | 0.044 | 1     | 1.55  | 0.007 | 0.15  | <0.1  | 0.01  | 3.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0547 | Soil                             | 19    | 20    | 0.22  | 204   | 0.005 | 1     | 1.69  | 0.006 | 0.13  | <0.1  | <0.01 | 4.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0548 | Soil                             | 13    | 39    | 1.23  | 555   | 0.103 | 2     | 2.19  | 0.007 | 0.12  | 0.1   | 0.02  | 3.5   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0549 | Soil                             | 7     | 26    | 1.32  | 330   | 0.171 | 1     | 2.54  | 0.043 | 0.43  | 0.1   | <0.01 | 4.6   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0550 | Soil                             | 7     | 16    | 0.58  | 147   | 0.087 | 1     | 1.42  | 0.007 | 0.27  | <0.1  | <0.01 | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0551 | Soil                             | 8     | 27    | 0.71  | 143   | 0.123 | <1    | 1.88  | 0.009 | 0.31  | <0.1  | 0.01  | 2.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0552 | Soil                             | 13    | 34    | 1.38  | 275   | 0.164 | 1     | 2.81  | 0.017 | 0.63  | <0.1  | 0.02  | 5.0   | 0.5   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0553 | Soil                             | 13    | 16    | 1.06  | 281   | 0.121 | 1     | 2.02  | 0.008 | 0.70  | <0.1  | <0.01 | 5.1   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0554 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11NG0555 | Soil                             | 25    | 21    | 0.96  | 297   | 0.155 | 1     | 1.99  | 0.007 | 0.60  | 0.2   | 0.01  | 5.4   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0556 | Soil                             | 15    | 15    | 0.61  | 191   | 0.067 | <1    | 1.70  | 0.011 | 0.15  | <0.1  | 0.04  | 2.6   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0557 | Soil                             | 16    | 17    | 0.59  | 207   | 0.076 | 1     | 1.23  | 0.008 | 0.35  | <0.1  | <0.01 | 3.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0558 | Soil                             | 4     | 36    | 1.23  | 195   | 0.211 | <1    | 2.40  | 0.008 | 0.49  | 0.2   | 0.02  | 1.9   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0559 | Soil                             | 8     | 16    | 0.76  | 259   | 0.143 | <1    | 2.02  | 0.010 | 0.39  | <0.1  | 0.02  | 2.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0560 | Soil                             | 16    | 25    | 0.66  | 202   | 0.062 | <1    | 1.58  | 0.011 | 0.06  | 0.1   | 0.03  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0561 | Soil                             | 14    | 25    | 0.62  | 190   | 0.067 | 2     | 1.59  | 0.010 | 0.06  | <0.1  | 0.04  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0562 | Soil                             | 13    | 17    | 0.57  | 184   | 0.071 | <1    | 1.52  | 0.011 | 0.11  | 0.1   | 0.03  | 2.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0563 | Soil                             | 14    | 14    | 1.17  | 355   | 0.147 | <1    | 2.78  | 0.014 | 0.69  | <0.1  | <0.01 | 6.1   | 0.3   | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0564 | Soil                             | 13    | 22    | 1.37  | 758   | 0.250 | 1     | 3.85  | 0.136 | 0.79  | 0.1   | 0.01  | 5.2   | 0.6   | <0.05 | 10    | <0.5  | <0.2  |
| 11NG0565 | Soil                             | 21    | 21    | 0.61  | 346   | 0.050 | 1     | 1.51  | 0.009 | 0.10  | <0.1  | 0.02  | 2.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0566 | Soil                             | 14    | 35    | 0.49  | 250   | 0.051 | 1     | 1.93  | 0.008 | 0.07  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0567 | Soil                             | 28    | 33    | 0.45  | 444   | 0.040 | 1     | 1.69  | 0.007 | 0.08  | 0.1   | 0.03  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0568 | Soil                             | 10    | 17    | 0.71  | 196   | 0.098 | <1    | 1.75  | 0.023 | 0.12  | <0.1  | <0.01 | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0569 | Soil                             | 17    | 26    | 0.45  | 306   | 0.055 | <1    | 1.37  | 0.010 | 0.04  | 0.1   | 0.03  | 3.5   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0570 | Soil                             | 25    | 15    | 0.40  | 541   | 0.063 | <1    | 1.29  | 0.009 | 0.20  | <0.1  | 0.01  | 3.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0571 | Soil                             | 14    | 31    | 0.45  | 247   | 0.037 | <1    | 1.87  | 0.006 | 0.08  | 0.1   | 0.02  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0572 | Soil                             | 13    | 33    | 0.47  | 335   | 0.043 | <1    | 1.80  | 0.007 | 0.05  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0573 | Soil                             | 4     | 34    | 0.71  | 226   | 0.053 | <1    | 2.06  | 0.009 | 0.06  | 0.1   | 0.01  | 2.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0574 | Soil                             | 16    | 17    | 0.26  | 203   | 0.020 | <1    | 1.54  | 0.005 | 0.07  | <0.1  | 0.02  | 2.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |



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Report Date: September 12, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11NG0575 | Soil                             | 0.8   | 21.7  | 8.1   | 49    | <0.1  | 21.6  | 9.4   | 323   | 2.61  | 7.9   | 0.7   | 6.4   | 3.1   | 13    | 0.1   | 0.4   | 0.1   | 51    | 0.14  | 0.035 |
| 11NG0576 | Soil                             | 1.8   | 30.4  | 7.5   | 60    | <0.1  | 22.7  | 9.6   | 344   | 3.06  | 5.8   | 0.8   | 3.0   | 5.8   | 20    | <0.1  | 0.3   | 0.1   | 54    | 0.30  | 0.049 |
| 11NG0577 | Soil                             | 1.5   | 22.9  | 6.9   | 82    | <0.1  | 17.8  | 8.9   | 334   | 3.19  | 6.2   | 0.5   | 1.8   | 4.0   | 12    | <0.1  | 0.3   | <0.1  | 57    | 0.14  | 0.027 |
| 11NG0578 | Soil                             | 0.8   | 23.4  | 5.6   | 75    | <0.1  | 14.1  | 11.4  | 426   | 3.43  | 4.6   | 0.6   | 0.6   | 4.0   | 8     | <0.1  | 0.3   | <0.1  | 50    | 0.11  | 0.035 |
| 11NG0579 | Soil                             | 0.6   | 20.7  | 7.2   | 68    | <0.1  | 16.7  | 9.1   | 344   | 2.97  | 7.4   | 0.7   | 0.5   | 6.2   | 8     | <0.1  | 0.4   | 0.1   | 49    | 0.08  | 0.032 |
| 11NG0580 | Soil                             | 0.3   | 35.8  | 4.2   | 90    | <0.1  | 4.4   | 9.5   | 550   | 3.76  | 1.3   | 0.8   | 0.5   | 12.7  | 9     | <0.1  | <0.1  | <0.1  | 30    | 0.20  | 0.097 |
| 11NG0581 | Soil                             | 0.5   | 30.7  | 5.2   | 88    | <0.1  | 7.4   | 9.8   | 524   | 3.73  | 3.0   | 0.8   | 1.0   | 10.7  | 9     | <0.1  | 0.2   | <0.1  | 39    | 0.16  | 0.078 |
| 11NG0582 | Soil                             | 0.8   | 42.8  | 5.4   | 78    | <0.1  | 24.3  | 15.5  | 686   | 3.90  | 3.1   | 1.5   | 2.5   | 6.0   | 29    | <0.1  | 0.3   | <0.1  | 67    | 0.49  | 0.087 |
| 11NG0583 | Soil                             | 0.7   | 44.4  | 5.4   | 61    | <0.1  | 17.6  | 15.1  | 478   | 3.60  | 2.4   | 0.4   | 0.6   | 3.9   | 18    | <0.1  | 0.4   | <0.1  | 73    | 0.33  | 0.069 |
| 11NG0584 | Soil                             | 0.5   | 31.2  | 4.9   | 34    | <0.1  | 16.9  | 9.0   | 191   | 2.06  | 4.2   | 0.2   | 2.0   | 1.3   | 51    | <0.1  | 0.2   | <0.1  | 47    | 0.35  | 0.049 |
| 11NG0585 | Soil                             | 0.4   | 34.4  | 4.4   | 32    | <0.1  | 13.2  | 10.4  | 192   | 1.76  | 2.5   | 0.2   | 1.1   | 1.0   | 12    | <0.1  | 0.2   | <0.1  | 42    | 0.40  | 0.060 |
| 11NG0586 | Soil                             | 0.7   | 16.3  | 5.6   | 60    | <0.1  | 11.5  | 9.0   | 344   | 2.81  | 3.4   | 0.8   | 3.1   | 3.7   | 22    | <0.1  | 0.1   | <0.1  | 57    | 0.38  | 0.050 |
| 11NG0587 | Soil                             | 0.7   | 47.1  | 3.7   | 49    | <0.1  | 19.3  | 11.4  | 408   | 2.92  | 2.3   | 0.4   | 4.3   | 1.2   | 31    | <0.1  | 0.3   | <0.1  | 65    | 0.74  | 0.111 |
| 11NG0588 | Soil                             | 1.7   | 12.2  | 11.8  | 41    | <0.1  | 13.9  | 5.3   | 466   | 2.30  | 3.9   | 1.5   | 11.1  | 6.7   | 17    | 0.3   | 1.0   | 0.5   | 32    | 0.15  | 0.057 |
| 11NG0589 | Soil                             | 0.7   | 29.7  | 9.5   | 57    | 0.1   | 69.3  | 15.0  | 378   | 2.82  | 3.4   | 1.3   | 6.0   | 7.6   | 81    | 0.2   | 0.3   | 0.1   | 58    | 0.97  | 0.207 |
| 11NG0590 | Soil                             | 1.8   | 76.9  | 14.5  | 72    | 0.2   | 16.8  | 8.2   | 179   | 2.45  | 7.8   | 1.7   | 11.6  | 6.0   | 32    | 0.2   | 0.4   | 0.5   | 41    | 0.56  | 0.068 |
| 11NG0591 | Soil                             | 1.3   | 18.3  | 11.3  | 51    | 0.1   | 11.4  | 6.5   | 205   | 1.99  | 6.9   | 0.9   | 1.7   | 1.0   | 15    | 0.2   | 0.3   | 0.2   | 43    | 0.18  | 0.050 |
| 11NG0592 | Soil                             | 1.1   | 22.8  | 9.3   | 83    | 0.1   | 11.8  | 8.5   | 395   | 2.53  | 4.9   | 4.0   | 152.0 | 4.3   | 28    | 0.2   | 0.3   | 0.2   | 48    | 0.66  | 0.074 |
| 11NG0593 | Soil                             | 1.1   | 21.2  | 10.7  | 69    | 0.3   | 10.2  | 5.8   | 344   | 2.23  | 6.9   | 0.5   | 9.6   | 2.6   | 14    | 0.2   | 0.3   | 0.3   | 54    | 0.23  | 0.041 |
| 11NG0594 | Soil                             | 2.6   | 58.9  | 23.8  | 105   | 1.0   | 18.8  | 10.6  | 535   | 2.69  | 8.3   | 2.2   | 1.9   | 2.8   | 39    | 0.7   | 0.3   | 0.5   | 53    | 0.77  | 0.063 |
| 11NG0595 | Soil                             | 1.1   | 18.2  | 11.7  | 65    | 0.2   | 10.9  | 8.7   | 292   | 2.39  | 5.7   | 0.6   | 2.1   | 2.2   | 18    | 0.2   | 0.2   | 0.2   | 59    | 0.34  | 0.055 |
| 11NG0596 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11NG0597 | Soil                             | 0.9   | 25.5  | 9.1   | 59    | 0.3   | 9.0   | 9.2   | 150   | 3.26  | 3.3   | 0.4   | 2.2   | 1.5   | 21    | <0.1  | 0.2   | <0.1  | 73    | 0.20  | 0.050 |
| 11NG0598 | Soil                             | 0.7   | 9.8   | 9.5   | 41    | 0.3   | 8.3   | 4.4   | 125   | 2.09  | 3.6   | 0.3   | <0.5  | 1.3   | 24    | 0.2   | 0.2   | 0.1   | 55    | 0.20  | 0.068 |
| 11NG0599 | Soil                             | 1.5   | 25.6  | 8.8   | 64    | <0.1  | 20.1  | 9.2   | 277   | 3.33  | 5.2   | 0.7   | 0.7   | 3.4   | 23    | <0.1  | 0.2   | 0.1   | 66    | 0.28  | 0.052 |
| 11NG0600 | Soil                             | 0.9   | 11.0  | 8.4   | 61    | <0.1  | 14.3  | 8.3   | 228   | 3.35  | 5.8   | 0.3   | <0.5  | 5.8   | 8     | <0.1  | 0.3   | <0.1  | 50    | 0.09  | 0.029 |
| 11NG0601 | Soil                             | 0.8   | 12.6  | 8.2   | 67    | <0.1  | 16.0  | 9.5   | 276   | 3.54  | 5.3   | 0.4   | 2.4   | 7.4   | 9     | 0.1   | 0.3   | <0.1  | 49    | 0.09  | 0.032 |
| 11NG0602 | Soil                             | 1.1   | 19.5  | 5.6   | 95    | <0.1  | 12.5  | 11.8  | 468   | 4.21  | 4.1   | 0.3   | <0.5  | 6.1   | 7     | <0.1  | 0.2   | <0.1  | 70    | 0.07  | 0.034 |
| 11NG0603 | Soil                             | 1.2   | 21.1  | 10.7  | 54    | <0.1  | 23.1  | 10.9  | 281   | 3.27  | 9.1   | 0.6   | <0.5  | 5.2   | 10    | 0.1   | 0.5   | 0.2   | 61    | 0.09  | 0.034 |
| 11NG0604 | Soil                             | 0.8   | 19.9  | 10.3  | 56    | <0.1  | 9.7   | 6.6   | 153   | 2.74  | 4.1   | 0.5   | <0.5  | 8.0   | 15    | <0.1  | 0.2   | <0.1  | 30    | 0.14  | 0.029 |



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Report Date: September 12, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0575 | Soil                             | 13    | 30    | 0.45  | 232   | 0.048 | <1    | 1.82  | 0.007 | 0.05  | <0.1  | 0.03  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0576 | Soil                             | 23    | 33    | 0.63  | 268   | 0.089 | <1    | 1.80  | 0.007 | 0.18  | <0.1  | 0.02  | 3.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0577 | Soil                             | 10    | 27    | 0.59  | 142   | 0.116 | <1    | 1.91  | 0.007 | 0.16  | <0.1  | 0.01  | 2.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0578 | Soil                             | 9     | 19    | 0.64  | 250   | 0.131 | <1    | 2.06  | 0.009 | 0.41  | 0.1   | 0.02  | 3.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0579 | Soil                             | 12    | 24    | 0.57  | 163   | 0.115 | <1    | 2.04  | 0.006 | 0.22  | <0.1  | 0.02  | 3.3   | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| 11NG0580 | Soil                             | 30    | 5     | 0.57  | 245   | 0.080 | <1    | 1.77  | 0.005 | 0.40  | <0.1  | <0.01 | 2.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0581 | Soil                             | 24    | 11    | 0.62  | 254   | 0.076 | 1     | 2.14  | 0.006 | 0.37  | <0.1  | <0.01 | 3.4   | 0.2   | <0.05 | 7     | 0.5   | <0.2  |
| 11NG0582 | Soil                             | 29    | 35    | 1.08  | 410   | 0.017 | <1    | 2.10  | 0.008 | 0.06  | <0.1  | 0.02  | 8.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0583 | Soil                             | 10    | 40    | 1.10  | 192   | 0.051 | <1    | 2.41  | 0.012 | 0.20  | 0.1   | <0.01 | 5.2   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11NG0584 | Soil                             | 5     | 27    | 0.62  | 212   | 0.050 | <1    | 1.66  | 0.015 | 0.04  | <0.1  | <0.01 | 2.7   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0585 | Soil                             | 4     | 27    | 0.66  | 170   | 0.053 | 3     | 1.43  | 0.013 | 0.06  | <0.1  | <0.01 | 3.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0586 | Soil                             | 12    | 21    | 0.67  | 231   | 0.095 | 1     | 1.66  | 0.016 | 0.25  | <0.1  | <0.01 | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0587 | Soil                             | 7     | 31    | 0.81  | 291   | 0.040 | <1    | 1.97  | 0.024 | 0.05  | <0.1  | <0.01 | 6.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0588 | Soil                             | 27    | 14    | 0.12  | 181   | 0.004 | 1     | 1.15  | 0.005 | 0.12  | <0.1  | 0.01  | 2.9   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11NG0589 | Soil                             | 38    | 136   | 1.05  | 982   | 0.090 | 1     | 1.65  | 0.019 | 0.15  | 0.1   | 0.03  | 6.5   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11NG0590 | Soil                             | 34    | 28    | 0.47  | 499   | 0.036 | 2     | 1.48  | 0.012 | 0.07  | 0.2   | 0.04  | 4.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0591 | Soil                             | 13    | 22    | 0.35  | 153   | 0.037 | 2     | 1.33  | 0.008 | 0.05  | 0.2   | 0.03  | 2.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0592 | Soil                             | 22    | 18    | 0.55  | 376   | 0.092 | <1    | 1.54  | 0.011 | 0.20  | 0.2   | 0.02  | 3.5   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0593 | Soil                             | 13    | 18    | 0.51  | 185   | 0.080 | 1     | 1.37  | 0.007 | 0.11  | 0.2   | 0.02  | 2.4   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0594 | Soil                             | 17    | 26    | 0.57  | 343   | 0.054 | 2     | 1.68  | 0.012 | 0.11  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 6     | 0.6   | 0.2   |
| 11NG0595 | Soil                             | 10    | 21    | 0.57  | 199   | 0.081 | <1    | 1.52  | 0.011 | 0.08  | 0.2   | 0.02  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0596 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11NG0597 | Soil                             | 8     | 18    | 0.70  | 198   | 0.112 | 1     | 1.56  | 0.022 | 0.30  | 0.1   | <0.01 | 3.1   | 0.2   | 0.20  | 7     | <0.5  | <0.2  |
| 11NG0598 | Soil                             | 7     | 16    | 0.33  | 151   | 0.098 | <1    | 0.96  | 0.007 | 0.13  | <0.1  | 0.02  | 2.0   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0599 | Soil                             | 31    | 35    | 0.69  | 397   | 0.051 | <1    | 1.91  | 0.011 | 0.09  | <0.1  | 0.02  | 3.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0600 | Soil                             | 9     | 41    | 0.54  | 134   | 0.033 | <1    | 2.41  | 0.006 | 0.06  | <0.1  | <0.01 | 3.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0601 | Soil                             | 10    | 45    | 0.60  | 141   | 0.028 | <1    | 2.59  | 0.006 | 0.06  | <0.1  | 0.02  | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0602 | Soil                             | 7     | 28    | 0.92  | 186   | 0.101 | <1    | 2.73  | 0.006 | 0.39  | <0.1  | <0.01 | 3.8   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0603 | Soil                             | 13    | 34    | 0.52  | 200   | 0.044 | <1    | 2.18  | 0.007 | 0.06  | 0.2   | 0.02  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0604 | Soil                             | 28    | 15    | 0.21  | 338   | 0.006 | <1    | 1.28  | 0.005 | 0.06  | <0.1  | 0.01  | 2.6   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |



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Report Date: September 12, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     | P      |
|          |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | %      |
|          |                                  | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 1      | 0.01   | 0.5    | 0.1    | 0.5    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 0.1    | 2      | 0.01   |
| 11NG0605 | Soil                             | 1.2    | 44.7   | 7.7    | 89     | <0.1   | 120.1  | 21.1   | 480    | 4.42   | 2.0    | 1.1    | <0.5   | 13.2   | 70     | <0.1   | 0.2    | <0.1   | 72     | 1.10   | 0.335  |
| 11NG0606 | Soil                             | 1.5    | 25.2   | 10.4   | 71     | <0.1   | 11.3   | 7.7    | 317    | 3.36   | 3.6    | 0.5    | 2.2    | 6.0    | 17     | <0.1   | 0.2    | 0.1    | 54     | 0.25   | 0.036  |
| 11NG0607 | Soil                             | 1.6    | 23.2   | 10.2   | 70     | 0.3    | 20.4   | 10.0   | 582    | 3.13   | 3.6    | 1.1    | 3.1    | 5.5    | 32     | 0.2    | 0.3    | 0.1    | 47     | 0.62   | 0.090  |
| 11NG0608 | Soil                             | 1.4    | 15.7   | 6.9    | 61     | 0.2    | 15.4   | 12.4   | 544    | 2.80   | 3.2    | 1.0    | 5.1    | 4.0    | 34     | <0.1   | 0.3    | <0.1   | 43     | 0.43   | 0.085  |
| 11NG0609 | Soil                             | 0.9    | 20.5   | 6.5    | 65     | <0.1   | 11.5   | 7.3    | 184    | 2.69   | 3.3    | 0.6    | 7.5    | 3.2    | 26     | 0.1    | 0.2    | <0.1   | 50     | 0.33   | 0.084  |
| 11NG0610 | Soil                             | 0.8    | 26.0   | 5.6    | 75     | <0.1   | 16.6   | 12.0   | 428    | 3.20   | 3.0    | 0.6    | 2.7    | 3.9    | 38     | <0.1   | 0.2    | <0.1   | 60     | 0.58   | 0.127  |
| 11NG0611 | Soil                             | 0.6    | 36.2   | 3.4    | 63     | <0.1   | 13.2   | 12.8   | 414    | 2.86   | 1.3    | 0.5    | 1.6    | 3.9    | 34     | <0.1   | 0.1    | <0.1   | 57     | 0.67   | 0.129  |
| 11NG0612 | Soil                             | 1.0    | 20.0   | 7.6    | 78     | <0.1   | 11.8   | 7.6    | 360    | 3.35   | 4.5    | 0.7    | 3.9    | 8.0    | 31     | <0.1   | 0.2    | <0.1   | 59     | 0.38   | 0.068  |
| 11NG0613 | Soil                             | 1.9    | 23.8   | 11.7   | 64     | 0.1    | 53.9   | 13.4   | 429    | 3.05   | 4.8    | 0.6    | 0.9    | 5.0    | 23     | <0.1   | 0.2    | 0.2    | 77     | 0.23   | 0.056  |
| 11NG0614 | Soil                             | 3.5    | 20.4   | 8.5    | 64     | 0.1    | 13.5   | 9.1    | 391    | 2.50   | 2.9    | 1.4    | 1.6    | 3.9    | 60     | <0.1   | 0.2    | <0.1   | 49     | 0.50   | 0.065  |
| 11NG0615 | Soil                             | 3.8    | 16.8   | 7.4    | 65     | 0.1    | 11.8   | 8.7    | 476    | 2.71   | 3.1    | 2.8    | 1.5    | 5.6    | 52     | 0.1    | 0.2    | <0.1   | 45     | 0.55   | 0.066  |
| 11NG0616 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11NG0617 | Soil                             | 1.3    | 37.8   | 7.7    | 66     | 0.2    | 25.7   | 17.1   | 739    | 3.54   | 3.8    | 2.5    | 23.6   | 9.1    | 42     | <0.1   | 0.4    | 0.1    | 65     | 0.67   | 0.123  |
| 11NG0618 | Soil                             | 1.3    | 23.4   | 9.7    | 51     | 0.1    | 14.2   | 9.5    | 420    | 2.37   | 3.5    | 1.1    | 2.5    | 3.4    | 48     | <0.1   | 0.2    | 0.1    | 47     | 0.64   | 0.072  |
| 11NG0619 | Soil                             | 1.2    | 17.8   | 15.4   | 56     | <0.1   | 17.0   | 7.3    | 235    | 3.02   | 7.2    | 0.7    | 15.7   | 7.2    | 17     | <0.1   | 0.5    | 0.2    | 50     | 0.16   | 0.023  |
| 11NG0620 | Soil                             | 1.3    | 17.7   | 10.9   | 58     | <0.1   | 18.7   | 8.5    | 482    | 2.76   | 7.5    | 0.6    | 33.8   | 5.7    | 17     | 0.1    | 0.6    | 0.2    | 49     | 0.18   | 0.031  |
| 11NG0621 | Soil                             | 1.2    | 19.4   | 11.5   | 59     | <0.1   | 20.5   | 9.3    | 413    | 2.97   | 7.8    | 0.6    | 62.5   | 6.6    | 16     | <0.1   | 0.5    | 0.1    | 47     | 0.17   | 0.031  |
| 11NG0622 | Soil                             | 1.2    | 24.5   | 14.2   | 60     | <0.1   | 31.2   | 11.0   | 389    | 3.10   | 8.5    | 0.8    | 16.1   | 9.4    | 31     | <0.1   | 0.5    | 0.2    | 57     | 0.35   | 0.054  |
| 11NG0623 | Soil                             | 2.0    | 12.6   | 12.6   | 40     | 0.1    | 10.9   | 10.3   | 752    | 2.60   | 6.7    | 0.4    | 9.6    | 4.7    | 16     | 0.1    | 0.5    | 0.2    | 64     | 0.17   | 0.028  |
| 11NG0624 | Soil                             | 4.3    | 27.2   | 41.7   | 71     | 0.6    | 19.0   | 7.5    | 286    | 3.14   | 7.1    | 3.5    | 6.6    | 3.8    | 49     | 0.1    | 0.5    | 0.2    | 50     | 0.61   | 0.141  |
| 11NG0625 | Soil                             | 2.0    | 15.3   | 11.0   | 62     | <0.1   | 12.6   | 15.9   | 730    | 2.84   | 6.6    | 0.9    | 3.6    | 6.4    | 20     | 0.1    | 0.3    | 0.2    | 50     | 0.26   | 0.067  |
| 11NG0626 | Soil                             | 1.2    | 23.6   | 10.0   | 61     | 0.1    | 11.3   | 6.3    | 170    | 1.92   | 3.9    | 1.0    | 5.1    | 2.4    | 24     | 0.1    | 0.3    | 0.2    | 36     | 0.32   | 0.067  |
| 11NG0627 | Soil                             | 2.0    | 34.7   | 9.7    | 74     | 0.2    | 12.6   | 8.4    | 286    | 2.53   | 7.8    | 1.0    | 4.2    | 3.0    | 32     | <0.1   | 0.4    | 0.2    | 51     | 0.50   | 0.077  |
| 11NG0628 | Soil                             | 5.1    | 54.2   | 12.5   | 68     | 0.6    | 17.4   | 10.4   | 642    | 2.35   | 17.4   | 1.5    | 45.9   | 2.3    | 41     | 0.2    | 0.5    | 1.6    | 42     | 0.61   | 0.075  |
| 11NG0629 | Soil                             | 1.0    | 42.3   | 11.7   | 55     | 0.3    | 12.3   | 3.6    | 137    | 1.44   | 2.4    | 0.6    | 2.0    | 1.1    | 24     | 0.2    | 0.2    | 0.3    | 27     | 0.34   | 0.057  |
| 11NG0630 | Soil                             | 4.0    | 242.5  | 17.7   | 156    | 0.2    | 16.2   | 7.0    | 192    | 3.47   | 11.6   | 1.2    | 3.6    | 6.8    | 27     | 0.2    | 0.6    | 1.7    | 48     | 0.27   | 0.068  |
| 11NG0631 | Soil                             | 2.5    | 69.1   | 12.2   | 87     | 0.1    | 18.5   | 8.3    | 300    | 3.07   | 40.1   | 1.1    | 4.8    | 6.6    | 23     | 0.2    | 1.3    | 0.3    | 54     | 0.18   | 0.039  |
| 11NG0632 | Soil                             | 2.4    | 39.0   | 14.9   | 98     | 0.1    | 12.1   | 5.8    | 240    | 2.75   | 21.8   | 0.7    | 1.9    | 2.7    | 14     | 0.2    | 0.7    | 0.5    | 54     | 0.15   | 0.038  |
| 11NG0633 | Soil                             | 1.7    | 26.6   | 14.3   | 61     | 0.2    | 17.1   | 7.2    | 239    | 2.62   | 7.9    | 1.0    | 2.1    | 3.1    | 18     | 0.2    | 0.5    | 0.2    | 59     | 0.16   | 0.046  |
| 11NG0634 | Soil                             | 2.1    | 24.7   | 11.9   | 70     | 0.5    | 21.9   | 8.9    | 284    | 3.85   | 13.4   | 0.8    | 2.6    | 5.9    | 20     | 0.2    | 0.6    | 0.3    | 80     | 0.21   | 0.028  |



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**Project:** Mariposa  
**Report Date:** September 12, 2011

**Page:** 5 of 7 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Tl     | S      | Ga     | Se     | Te     |
|          |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11NG0605 | Soil                             | 81     | 162    | 1.24   | 1202   | 0.051  | <1     | 2.04   | 0.007  | 0.09   | <0.1   | <0.01  | 8.5    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11NG0606 | Soil                             | 21     | 20     | 0.46   | 511    | 0.022  | <1     | 1.73   | 0.006  | 0.14   | <0.1   | <0.01  | 3.9    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11NG0607 | Soil                             | 68     | 29     | 0.48   | 1263   | 0.017  | 1      | 1.61   | 0.009  | 0.08   | 0.1    | 0.07   | 6.1    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11NG0608 | Soil                             | 29     | 25     | 0.45   | 644    | 0.029  | 1      | 1.43   | 0.010  | 0.07   | 0.1    | 0.06   | 4.0    | <0.1   | 0.05   | 5      | <0.5   | <0.2   |
| 11NG0609 | Soil                             | 15     | 23     | 0.55   | 339    | 0.054  | <1     | 1.48   | 0.011  | 0.11   | 0.1    | 0.03   | 3.8    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11NG0610 | Soil                             | 16     | 33     | 0.79   | 417    | 0.069  | <1     | 1.73   | 0.011  | 0.21   | <0.1   | <0.01  | 4.4    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11NG0611 | Soil                             | 25     | 32     | 0.99   | 526    | 0.098  | <1     | 1.77   | 0.016  | 0.25   | <0.1   | <0.01  | 4.5    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11NG0612 | Soil                             | 38     | 23     | 0.67   | 410    | 0.131  | <1     | 1.89   | 0.012  | 0.33   | <0.1   | 0.02   | 3.4    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0613 | Soil                             | 19     | 79     | 1.05   | 262    | 0.132  | <1     | 1.80   | 0.008  | 0.06   | <0.1   | <0.01  | 3.5    | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11NG0614 | Soil                             | 25     | 24     | 0.59   | 482    | 0.065  | 1      | 1.56   | 0.010  | 0.12   | <0.1   | 0.03   | 4.6    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11NG0615 | Soil                             | 26     | 20     | 0.55   | 623    | 0.067  | 1      | 1.57   | 0.010  | 0.15   | <0.1   | 0.04   | 3.9    | 0.1    | 0.07   | 6      | <0.5   | <0.2   |
| 11NG0616 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11NG0617 | Soil                             | 50     | 38     | 0.85   | 870    | 0.055  | 1      | 2.13   | 0.014  | 0.08   | 0.1    | 0.05   | 8.2    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11NG0618 | Soil                             | 20     | 24     | 0.59   | 705    | 0.031  | <1     | 1.47   | 0.010  | 0.06   | <0.1   | 0.04   | 4.2    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11NG0619 | Soil                             | 21     | 28     | 0.41   | 353    | 0.032  | 1      | 2.01   | 0.009  | 0.07   | 0.1    | 0.02   | 3.6    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11NG0620 | Soil                             | 18     | 26     | 0.35   | 244    | 0.032  | <1     | 1.65   | 0.008  | 0.07   | <0.1   | 0.02   | 3.0    | <0.1   | <0.05  | 5      | 0.5    | <0.2   |
| 11NG0621 | Soil                             | 20     | 28     | 0.38   | 231    | 0.031  | 1      | 1.85   | 0.009  | 0.07   | 0.1    | 0.01   | 3.3    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11NG0622 | Soil                             | 25     | 60     | 0.67   | 495    | 0.072  | 1      | 1.99   | 0.012  | 0.07   | 0.1    | 0.02   | 4.2    | 0.1    | <0.05  | 5      | 0.5    | <0.2   |
| 11NG0623 | Soil                             | 18     | 23     | 0.29   | 294    | 0.050  | 1      | 1.05   | 0.008  | 0.09   | 0.1    | 0.01   | 2.6    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11NG0624 | Soil                             | 56     | 34     | 0.42   | 539    | 0.028  | 2      | 2.26   | 0.012  | 0.09   | 0.1    | 0.11   | 5.5    | 0.1    | 0.07   | 6      | 1.1    | <0.2   |
| 11NG0625 | Soil                             | 22     | 22     | 0.43   | 153    | 0.065  | <1     | 1.47   | 0.011  | 0.09   | 0.3    | 0.03   | 2.9    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11NG0626 | Soil                             | 14     | 23     | 0.52   | 160    | 0.067  | 1      | 1.58   | 0.011  | 0.11   | 0.2    | 0.04   | 2.6    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11NG0627 | Soil                             | 15     | 24     | 0.67   | 196    | 0.103  | <1     | 1.64   | 0.011  | 0.17   | 0.2    | 0.04   | 2.6    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11NG0628 | Soil                             | 17     | 28     | 0.40   | 180    | 0.034  | <1     | 1.40   | 0.013  | 0.05   | 0.1    | 0.06   | 2.9    | 0.1    | 0.07   | 5      | 1.2    | <0.2   |
| 11NG0629 | Soil                             | 9      | 23     | 0.46   | 168    | 0.070  | <1     | 1.37   | 0.013  | 0.07   | 0.1    | 0.05   | 2.1    | 0.1    | <0.05  | 5      | 0.6    | <0.2   |
| 11NG0630 | Soil                             | 19     | 27     | 0.46   | 150    | 0.057  | <1     | 1.61   | 0.013  | 0.12   | 0.2    | 0.03   | 2.5    | 0.1    | <0.05  | 5      | 0.9    | 0.6    |
| 11NG0631 | Soil                             | 24     | 29     | 0.51   | 209    | 0.087  | 1      | 1.98   | 0.019  | 0.11   | 0.3    | 0.03   | 3.6    | 0.1    | <0.05  | 6      | 0.8    | <0.2   |
| 11NG0632 | Soil                             | 13     | 23     | 0.41   | 87     | 0.092  | <1     | 1.49   | 0.008  | 0.09   | 0.1    | 0.03   | 2.6    | 0.1    | <0.05  | 5      | 0.6    | <0.2   |
| 11NG0633 | Soil                             | 17     | 30     | 0.44   | 171    | 0.081  | <1     | 1.71   | 0.011  | 0.05   | 0.1    | 0.03   | 3.2    | <0.1   | <0.05  | 6      | 0.6    | <0.2   |
| 11NG0634 | Soil                             | 14     | 39     | 0.58   | 234    | 0.094  | 1      | 2.48   | 0.011  | 0.07   | 0.1    | 0.03   | 4.2    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |





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Project: Mariposa  
Report Date: September 12, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte | Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |
|----------|-------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                   |             | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                   |             | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                   |             | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11NG0635 | Soil              |             | 1.5   | 35.8  | 13.8  | 98    | 0.2   | 26.3  | 14.1  | 358   | 3.90  | 9.3   | 0.9   | 2.6   | 7.4   | 18    | 0.1   | 0.6   | 0.5   | 70    | 0.19  | 0.034 |
| 11NG0636 | Soil              |             | 1.8   | 22.4  | 21.3  | 121   | <0.1  | 22.7  | 12.1  | 700   | 4.17  | 11.4  | 0.6   | 1.6   | 3.8   | 14    | 0.3   | 0.6   | 0.3   | 75    | 0.15  | 0.055 |
| 11NG0637 | Soil              |             | 1.0   | 81.7  | 20.9  | 123   | 0.5   | 20.6  | 12.9  | 615   | 3.53  | 3.8   | 0.5   | 1.8   | 3.5   | 14    | 0.2   | 0.2   | 0.2   | 88    | 0.31  | 0.081 |
| 11NG0638 | Soil              |             | 0.9   | 74.0  | 7.0   | 96    | 0.3   | 13.0  | 20.2  | 365   | 5.26  | 16.4  | 0.4   | 1.0   | 2.0   | 13    | 0.1   | 0.3   | 0.1   | 146   | 0.30  | 0.083 |
| 11NG0639 | Soil              |             | 0.9   | 35.6  | 15.9  | 105   | 0.1   | 12.3  | 14.5  | 597   | 4.61  | 4.3   | 0.7   | 2.3   | 3.8   | 18    | <0.1  | 0.3   | 0.1   | 78    | 0.23  | 0.040 |
| 11NG0640 | Soil              |             | 1.0   | 24.3  | 8.6   | 93    | <0.1  | 32.7  | 16.2  | 584   | 4.81  | 6.4   | 0.4   | 1.5   | 2.0   | 22    | 0.1   | 0.4   | <0.1  | 109   | 0.36  | 0.089 |
| 11NG0641 | Soil              |             | 0.8   | 27.6  | 10.8  | 96    | <0.1  | 30.9  | 17.0  | 630   | 4.90  | 6.3   | 0.4   | 1.1   | 2.4   | 23    | 0.2   | 0.4   | <0.1  | 114   | 0.37  | 0.086 |
| 11NG0642 | Soil              |             | 1.9   | 30.1  | 18.7  | 74    | 0.1   | 18.1  | 6.5   | 207   | 2.62  | 10.8  | 0.7   | 2.7   | 2.3   | 15    | 0.2   | 0.5   | 0.5   | 58    | 0.15  | 0.046 |
| 11NG0643 | Soil              |             | 0.9   | 14.6  | 14.6  | 206   | <0.1  | 15.6  | 16.1  | 967   | 6.37  | 5.5   | 0.4   | 1.0   | 3.9   | 15    | 0.1   | 0.3   | 0.1   | 119   | 0.24  | 0.091 |
| 11NG0644 | Soil              |             | 0.5   | 14.7  | 7.5   | 124   | <0.1  | 25.0  | 15.7  | 608   | 5.73  | 3.8   | 0.4   | 1.1   | 4.3   | 18    | <0.1  | 0.3   | <0.1  | 97    | 0.13  | 0.032 |
| 11NG0645 | Soil              |             | 1.1   | 32.6  | 16.5  | 85    | <0.1  | 24.1  | 17.3  | 612   | 4.85  | 3.7   | 0.5   | 2.4   | 4.7   | 15    | 0.1   | 0.4   | 0.1   | 77    | 0.14  | 0.061 |
| 11NG0646 | Soil              |             | 1.0   | 10.6  | 11.5  | 45    | <0.1  | 14.7  | 6.1   | 203   | 2.41  | 7.8   | 0.6   | 1.9   | 3.2   | 14    | <0.1  | 0.3   | 0.2   | 63    | 0.13  | 0.028 |
| 11NG0647 | Soil              |             | 0.9   | 38.3  | 15.4  | 64    | <0.1  | 30.1  | 11.5  | 406   | 3.24  | 7.1   | 1.1   | 3.2   | 9.3   | 32    | <0.1  | 0.4   | 0.2   | 64    | 0.29  | 0.047 |
| 11NG0648 | Soil              |             | 0.7   | 21.4  | 8.2   | 60    | <0.1  | 20.0  | 9.8   | 351   | 2.98  | 5.3   | 0.7   | 3.1   | 12.0  | 18    | <0.1  | 0.4   | 0.1   | 56    | 0.18  | 0.035 |
| 11NG0649 | Soil              |             | 1.0   | 28.2  | 12.9  | 56    | <0.1  | 29.8  | 10.8  | 364   | 3.01  | 7.3   | 0.8   | 6.6   | 8.9   | 26    | <0.1  | 0.5   | 0.2   | 65    | 0.23  | 0.040 |
| 11NG0650 | Soil              |             | 0.9   | 24.1  | 7.5   | 49    | <0.1  | 15.5  | 7.4   | 212   | 2.57  | 4.9   | 0.7   | 2.8   | 9.3   | 19    | <0.1  | 0.4   | 0.1   | 54    | 0.20  | 0.035 |
| 11NG0651 | Soil              |             | 1.6   | 24.1  | 13.2  | 52    | <0.1  | 18.8  | 10.9  | 354   | 3.24  | 11.6  | 1.5   | 4.8   | 7.3   | 17    | <0.1  | 0.7   | 0.2   | 73    | 0.14  | 0.048 |
| 11NG0652 | Soil              |             | 0.7   | 18.6  | 6.3   | 57    | <0.1  | 18.4  | 11.0  | 337   | 2.92  | 5.1   | 0.4   | 5.2   | 6.7   | 18    | <0.1  | 0.4   | <0.1  | 61    | 0.17  | 0.035 |
| 11NG0653 | Soil              |             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |       |
| 11NG0654 | Soil              |             | 1.0   | 25.9  | 9.2   | 57    | <0.1  | 22.3  | 10.6  | 296   | 2.88  | 8.2   | 0.6   | 16.2  | 5.7   | 18    | 0.2   | 0.5   | 0.2   | 59    | 0.18  | 0.037 |
| 11NG0655 | Soil              |             | 0.9   | 38.0  | 8.8   | 62    | <0.1  | 21.2  | 9.5   | 372   | 2.79  | 6.8   | 0.8   | 3.2   | 4.7   | 33    | 0.1   | 0.6   | 0.1   | 62    | 0.39  | 0.083 |
| 11NG0656 | Soil              |             | 1.4   | 28.9  | 11.8  | 64    | <0.1  | 22.7  | 11.3  | 372   | 3.42  | 11.7  | 1.1   | 4.4   | 6.0   | 14    | 0.1   | 0.9   | 0.3   | 64    | 0.12  | 0.037 |
| 11NG0657 | Soil              |             | 2.3   | 93.8  | 9.6   | 67    | <0.1  | 10.7  | 7.2   | 349   | 3.93  | 7.4   | 0.4   | 44.1  | 2.6   | 8     | 0.2   | 1.1   | 0.3   | 54    | 0.08  | 0.041 |
| 11NG0658 | Soil              |             | 1.8   | 10.9  | 12.0  | 60    | <0.1  | 12.8  | 6.6   | 376   | 3.63  | 11.6  | 0.4   | 1.4   | 3.0   | 12    | 0.1   | 0.5   | 0.2   | 85    | 0.10  | 0.063 |
| 11NG0659 | Soil              |             | 1.4   | 20.9  | 10.1  | 59    | <0.1  | 20.6  | 9.1   | 326   | 3.16  | 8.3   | 0.7   | 4.9   | 9.6   | 20    | <0.1  | 0.4   | 0.2   | 61    | 0.20  | 0.018 |
| 11NG0660 | Soil              |             | 1.3   | 25.0  | 11.0  | 60    | <0.1  | 20.5  | 9.8   | 303   | 3.18  | 8.4   | 0.8   | 7.9   | 11.6  | 16    | <0.1  | 0.5   | 0.2   | 61    | 0.14  | 0.021 |
| 11NG0661 | Soil              |             | 1.1   | 25.2  | 9.5   | 60    | <0.1  | 20.8  | 9.9   | 306   | 3.15  | 8.3   | 0.8   | 8.7   | 11.9  | 18    | <0.1  | 0.5   | 0.1   | 58    | 0.15  | 0.021 |
| 11NG0662 | Soil              |             | 0.8   | 14.5  | 7.6   | 49    | <0.1  | 5.4   | 6.6   | 347   | 2.57  | 1.9   | 0.4   | 2.4   | 17.2  | 24    | <0.1  | 0.2   | <0.1  | 26    | 0.26  | 0.057 |
| 11NG0663 | Soil              |             | 1.5   | 29.2  | 9.6   | 67    | 0.2   | 24.9  | 13.5  | 554   | 3.23  | 4.5   | 1.0   | 49.4  | 5.5   | 39    | <0.1  | 0.6   | 0.1   | 56    | 0.60  | 0.093 |
| 11NG0664 | Soil              |             | 1.7   | 23.3  | 14.2  | 51    | <0.1  | 13.7  | 10.2  | 650   | 2.54  | 4.0   | 2.2   | 16.1  | 8.7   | 51    | 0.1   | 0.4   | 0.1   | 41    | 0.56  | 0.059 |



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**Project:** Mariposa  
**Report Date:** September 12, 2011

**Page:** 6 of 7 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0635 | Soil                             | 16    | 38    | 0.69  | 250   | 0.116 | 1     | 3.01  | 0.011 | 0.10  | 0.2   | 0.03  | 4.9   | 0.2   | <0.05 | 7     | 0.9   | <0.2  |
| 11NG0636 | Soil                             | 11    | 34    | 0.59  | 183   | 0.119 | <1    | 2.17  | 0.010 | 0.15  | 0.1   | 0.02  | 3.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0637 | Soil                             | 7     | 47    | 1.58  | 245   | 0.258 | 1     | 2.88  | 0.017 | 0.68  | 0.2   | 0.02  | 3.8   | 0.5   | <0.05 | 7     | 0.5   | <0.2  |
| 11NG0638 | Soil                             | 5     | 27    | 1.33  | 179   | 0.243 | <1    | 2.76  | 0.015 | 0.76  | 0.1   | 0.02  | 7.8   | 0.5   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0639 | Soil                             | 12    | 23    | 1.13  | 230   | 0.213 | <1    | 2.83  | 0.012 | 0.63  | 0.1   | <0.01 | 4.6   | 0.5   | <0.05 | 8     | <0.5  | <0.2  |
| 11NG0640 | Soil                             | 7     | 74    | 1.08  | 332   | 0.140 | <1    | 2.66  | 0.018 | 0.20  | <0.1  | 0.01  | 6.7   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0641 | Soil                             | 8     | 68    | 1.21  | 340   | 0.178 | <1    | 2.82  | 0.019 | 0.26  | <0.1  | 0.01  | 7.1   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0642 | Soil                             | 15    | 30    | 0.43  | 168   | 0.074 | <1    | 1.86  | 0.010 | 0.06  | 0.1   | 0.02  | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0643 | Soil                             | 9     | 31    | 1.18  | 391   | 0.240 | <1    | 3.06  | 0.011 | 0.65  | <0.1  | 0.03  | 12.0  | 0.2   | <0.05 | 11    | <0.5  | <0.2  |
| 11NG0644 | Soil                             | 9     | 55    | 1.72  | 242   | 0.160 | <1    | 4.01  | 0.009 | 0.26  | <0.1  | 0.02  | 6.9   | 0.2   | <0.05 | 13    | 0.5   | <0.2  |
| 11NG0645 | Soil                             | 15    | 32    | 0.68  | 251   | 0.017 | <1    | 2.16  | 0.008 | 0.09  | <0.1  | 0.02  | 6.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0646 | Soil                             | 15    | 29    | 0.40  | 193   | 0.064 | <1    | 1.56  | 0.008 | 0.05  | 0.1   | 0.03  | 2.6   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0647 | Soil                             | 39    | 47    | 0.74  | 515   | 0.095 | 1     | 2.10  | 0.013 | 0.08  | 0.1   | 0.02  | 6.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0648 | Soil                             | 27    | 33    | 0.63  | 208   | 0.109 | <1    | 1.92  | 0.010 | 0.12  | <0.1  | 0.03  | 3.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0649 | Soil                             | 38    | 52    | 0.72  | 478   | 0.098 | 1     | 2.01  | 0.010 | 0.08  | 0.1   | 0.03  | 5.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0650 | Soil                             | 37    | 32    | 0.62  | 221   | 0.104 | <1    | 1.71  | 0.010 | 0.07  | <0.1  | 0.02  | 4.1   | 0.1   | <0.05 | 5     | 0.7   | <0.2  |
| 11NG0651 | Soil                             | 31    | 40    | 0.52  | 246   | 0.078 | <1    | 2.15  | 0.009 | 0.05  | 0.2   | 0.05  | 6.1   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11NG0652 | Soil                             | 19    | 27    | 0.84  | 182   | 0.089 | <1    | 2.22  | 0.010 | 0.14  | <0.1  | 0.02  | 3.2   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11NG0653 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11NG0654 | Soil                             | 15    | 32    | 0.60  | 250   | 0.083 | <1    | 2.27  | 0.010 | 0.07  | 0.1   | 0.04  | 3.7   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11NG0655 | Soil                             | 19    | 30    | 0.60  | 358   | 0.091 | <1    | 1.47  | 0.015 | 0.09  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11NG0656 | Soil                             | 14    | 43    | 0.55  | 210   | 0.064 | <1    | 2.84  | 0.009 | 0.06  | 0.2   | 0.05  | 4.5   | 0.1   | <0.05 | 6     | 0.9   | <0.2  |
| 11NG0657 | Soil                             | 14    | 20    | 0.28  | 118   | 0.014 | <1    | 1.79  | 0.005 | 0.07  | 0.4   | <0.01 | 2.0   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0658 | Soil                             | 13    | 29    | 0.46  | 150   | 0.062 | 1     | 1.57  | 0.006 | 0.08  | 0.2   | 0.02  | 2.3   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11NG0659 | Soil                             | 18    | 40    | 0.62  | 323   | 0.059 | 1     | 2.15  | 0.009 | 0.06  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0660 | Soil                             | 29    | 36    | 0.57  | 286   | 0.059 | <1    | 2.24  | 0.008 | 0.06  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11NG0661 | Soil                             | 39    | 34    | 0.59  | 308   | 0.064 | <1    | 2.25  | 0.008 | 0.08  | <0.1  | 0.02  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0662 | Soil                             | 43    | 9     | 0.37  | 426   | 0.010 | <1    | 1.62  | 0.006 | 0.10  | <0.1  | <0.01 | 2.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0663 | Soil                             | 32    | 34    | 0.62  | 747   | 0.025 | <1    | 1.84  | 0.010 | 0.07  | 0.1   | 0.06  | 5.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0664 | Soil                             | 51    | 22    | 0.39  | 908   | 0.021 | <1    | 1.62  | 0.009 | 0.07  | 0.1   | 0.05  | 3.7   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |



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**Project:** Mariposa  
**Report Date:** September 12, 2011

**Page:** 7 of 7 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11NG0665 | Soil                             | 1.2        | 13.3       | 6.5        | 66       | 0.1        | 12.4       | 10.5       | 756      | 4.91      | 1.8        | 1.3        | 5.5        | 3.4        | 50       | 0.2        | 1.0        | 0.1        | 86       | 1.00      |
| 11NG0666 | Soil                             | 0.7        | 16.1       | 12.2       | 49       | <0.1       | 13.9       | 6.5        | 310      | 2.32      | 4.0        | 0.8        | 24.6       | 6.3        | 22       | <0.1       | 0.5        | 0.1        | 38       | 0.25      |
| 11NG0667 | Soil                             | 0.9        | 16.4       | 10.7       | 44       | <0.1       | 11.2       | 7.1        | 215      | 2.76      | 5.4        | 0.6        | 3.6        | 6.7        | 14       | 0.1        | 0.4        | 0.1        | 40       | 0.15      |
| 11NG0668 | Soil                             | 0.8        | 20.7       | 9.4        | 47       | <0.1       | 21.2       | 10.3       | 344      | 2.74      | 7.6        | 0.7        | 2.9        | 5.5        | 21       | <0.1       | 0.4        | 0.1        | 55       | 0.23      |
| 11NG0669 | Soil                             | 0.9        | 17.3       | 16.7       | 55       | 0.1        | 18.2       | 8.5        | 243      | 3.09      | 9.1        | 0.7        | 1.4        | 4.9        | 14       | 0.2        | 0.4        | 0.2        | 62       | 0.15      |
| 11NG0670 | Soil                             | 0.9        | 17.7       | 9.7        | 53       | <0.1       | 31.6       | 11.9       | 332      | 3.26      | 10.3       | 0.8        | 4.0        | 6.4        | 16       | 0.1        | 0.5        | 0.2        | 60       | 0.16      |
| 11NG0671 | Soil                             | 0.7        | 30.1       | 8.9        | 52       | <0.1       | 27.9       | 10.3       | 304      | 2.91      | 8.4        | 0.8        | 4.5        | 5.8        | 24       | <0.1       | 0.5        | 0.1        | 62       | 0.25      |
| 11NG0672 | Soil                             | 0.8        | 18.7       | 10.0       | 48       | <0.1       | 19.0       | 8.2        | 244      | 2.88      | 8.7        | 0.7        | 3.5        | 3.6        | 16       | 0.1        | 0.4        | 0.2        | 65       | 0.18      |
| 11NG0673 | Soil                             | 0.9        | 8.5        | 10.9       | 37       | <0.1       | 8.6        | 6.0        | 828      | 2.70      | 7.7        | 0.5        | 4.3        | 1.0        | 13       | 0.2        | 0.3        | 0.2        | 65       | 0.13      |
| 11NG0674 | Soil                             | 1.3        | 11.5       | 11.7       | 56       | 0.1        | 24.6       | 9.2        | 307      | 3.17      | 7.8        | 0.3        | 2.0        | 3.7        | 11       | 0.2        | 0.5        | 0.2        | 75       | 0.11      |
| 11NG0675 | Soil                             | 2.0        | 13.5       | 11.4       | 47       | <0.1       | 18.6       | 8.4        | 478      | 2.91      | 8.2        | 0.6        | 2.5        | 5.6        | 21       | 0.1        | 0.4        | 0.2        | 61       | 0.20      |
| 11NG0676 | Soil                             | 1.2        | 20.1       | 12.5       | 56       | <0.1       | 20.5       | 8.0        | 308      | 2.97      | 8.2        | 0.7        | 4.4        | 7.3        | 20       | 0.1        | 0.4        | 0.2        | 62       | 0.21      |
| 11NG0677 | Soil                             | 2.0        | 31.5       | 9.2        | 78       | 0.1        | 36.1       | 14.9       | 446      | 4.10      | 16.0       | 1.5        | 1.6        | 9.0        | 41       | <0.1       | 0.7        | 0.2        | 72       | 0.65      |
| 11NG0678 | Soil                             | 1.4        | 20.4       | 14.3       | 73       | 0.3        | 18.5       | 8.4        | 546      | 2.81      | 7.4        | 0.5        | 2.2        | 2.2        | 29       | 0.3        | 0.4        | 0.2        | 57       | 0.32      |
| 11NG0679 | Soil                             | 0.8        | 63.4       | 9.1        | 67       | 0.1        | 19.6       | 8.9        | 283      | 2.97      | 9.6        | 0.5        | 1.4        | 3.2        | 16       | <0.1       | 0.5        | 0.2        | 61       | 0.14      |
| 11NG0680 | Soil                             | 2.0        | 192.0      | 11.4       | 72       | 0.4        | 18.1       | 5.5        | 218      | 4.10      | 5.9        | 2.2        | 6.1        | 11.0       | 65       | 0.1        | 0.3        | 3.0        | 54       | 0.23      |
| 11NG0681 | Soil                             | 2.3        | 210.8      | 15.0       | 69       | 0.4        | 20.1       | 5.2        | 219      | 4.20      | 5.3        | 2.4        | 19.4       | 11.7       | 66       | 0.2        | 0.3        | 3.8        | 51       | 0.22      |
| 11NG0682 | Soil                             | 1.5        | 19.0       | 13.6       | 91       | 0.3        | 16.8       | 8.3        | 330      | 3.51      | 12.1       | 0.4        | 1.4        | 3.3        | 10       | 0.7        | 0.7        | 0.3        | 78       | 0.10      |



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**Project:** Mariposa  
**Report Date:** September 12, 2011

**Page:** 7 of 7 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001004.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11NG0665 | Soil                             | 14    | 9     | 0.68  | 1169  | 0.047 | 1     | 1.71  | 0.010 | 0.22  | <0.1  | 0.02  | 8.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0666 | Soil                             | 27    | 23    | 0.35  | 594   | 0.036 | 2     | 1.22  | 0.010 | 0.07  | 0.1   | 0.03  | 3.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11NG0667 | Soil                             | 23    | 19    | 0.34  | 287   | 0.018 | <1    | 1.88  | 0.007 | 0.07  | <0.1  | 0.02  | 2.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0668 | Soil                             | 21    | 34    | 0.59  | 253   | 0.065 | 1     | 1.94  | 0.011 | 0.05  | 0.1   | 0.02  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11NG0669 | Soil                             | 14    | 33    | 0.53  | 145   | 0.062 | <1    | 2.09  | 0.015 | 0.05  | 0.3   | 0.03  | 3.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0670 | Soil                             | 14    | 41    | 0.64  | 205   | 0.066 | 2     | 2.68  | 0.012 | 0.05  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0671 | Soil                             | 22    | 41    | 0.69  | 305   | 0.076 | <1    | 2.01  | 0.011 | 0.05  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11NG0672 | Soil                             | 14    | 31    | 0.52  | 170   | 0.066 | <1    | 2.10  | 0.009 | 0.05  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| 11NG0673 | Soil                             | 17    | 18    | 0.26  | 230   | 0.033 | <1    | 1.38  | 0.007 | 0.05  | 0.1   | 0.02  | 1.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0674 | Soil                             | 11    | 40    | 0.49  | 252   | 0.061 | <1    | 2.06  | 0.007 | 0.10  | <0.1  | 0.02  | 2.7   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11NG0675 | Soil                             | 14    | 30    | 0.40  | 284   | 0.041 | 1     | 2.05  | 0.008 | 0.06  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11NG0676 | Soil                             | 16    | 37    | 0.60  | 225   | 0.077 | <1    | 2.04  | 0.011 | 0.05  | 0.1   | 0.01  | 3.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0677 | Soil                             | 27    | 51    | 1.11  | 447   | 0.132 | <1    | 2.59  | 0.016 | 0.23  | 0.2   | 0.01  | 4.8   | 0.3   | <0.05 | 7     | 0.6   | <0.2  |
| 11NG0678 | Soil                             | 11    | 31    | 0.57  | 189   | 0.064 | 1     | 1.86  | 0.011 | 0.10  | 0.1   | 0.03  | 2.3   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11NG0679 | Soil                             | 10    | 31    | 0.63  | 163   | 0.099 | <1    | 2.24  | 0.010 | 0.07  | 0.1   | 0.02  | 2.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11NG0680 | Soil                             | 25    | 38    | 0.55  | 210   | 0.101 | 1     | 2.65  | 0.039 | 0.15  | <0.1  | 0.02  | 2.4   | 0.1   | 0.19  | 7     | 1.3   | 1.1   |
| 11NG0681 | Soil                             | 27    | 40    | 0.52  | 200   | 0.108 | <1    | 2.53  | 0.045 | 0.16  | <0.1  | 0.02  | 2.4   | 0.1   | 0.21  | 7     | 1.3   | 1.3   |
| 11NG0682 | Soil                             | 10    | 33    | 0.45  | 161   | 0.081 | 1     | 2.13  | 0.009 | 0.08  | 0.1   | 0.01  | 2.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |



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Project: Mariposa

Report Date: September 12, 2011

Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001004.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11NG0525            | Soil                             | 0.9   | 20.6  | 15.2  | 93    | 0.1   | 18.3  | 11.9  | 517   | 3.75  | 7.7   | 0.3   | 1.2   | 1.7   | 15    | 0.2   | 0.4   | 0.1   | 126   | 0.20  | 0.046  |
| REP 11NG0525        | QC                               | 0.8   | 22.9  | 16.7  | 105   | 0.1   | 20.0  | 12.2  | 549   | 3.92  | 7.9   | 0.3   | 1.0   | 1.9   | 17    | 0.2   | 0.4   | 0.2   | 132   | 0.21  | 0.051  |
| 11NG0547            | Soil                             | 3.2   | 11.9  | 15.2  | 63    | <0.1  | 10.2  | 7.2   | 270   | 3.43  | 3.7   | 1.0   | 2.8   | 8.2   | 9     | <0.1  | 0.3   | <0.1  | 26    | 0.08  | 0.023  |
| REP 11NG0547        | QC                               | 3.1   | 11.8  | 14.1  | 63    | <0.1  | 10.7  | 7.0   | 278   | 3.45  | 3.7   | 1.0   | 1.8   | 8.1   | 8     | <0.1  | 0.3   | 0.1   | 26    | 0.08  | 0.022  |
| 11NG0563            | Soil                             | 0.6   | 39.2  | 7.5   | 110   | <0.1  | 7.7   | 17.6  | 354   | 4.87  | 1.5   | 0.6   | 2.2   | 4.5   | 21    | <0.1  | 0.1   | <0.1  | 118   | 0.44  | 0.104  |
| REP 11NG0563        | QC                               | 0.6   | 39.5  | 7.4   | 108   | <0.1  | 7.9   | 17.9  | 357   | 4.89  | 1.6   | 0.6   | 2.5   | 4.4   | 21    | <0.1  | 0.1   | <0.1  | 116   | 0.44  | 0.103  |
| 11NG0584            | Soil                             | 0.5   | 31.2  | 4.9   | 34    | <0.1  | 16.9  | 9.0   | 191   | 2.06  | 4.2   | 0.2   | 2.0   | 1.3   | 51    | <0.1  | 0.2   | <0.1  | 47    | 0.35  | 0.049  |
| REP 11NG0584        | QC                               | 0.5   | 29.3  | 4.6   | 35    | <0.1  | 16.1  | 8.9   | 185   | 2.00  | 3.7   | 0.2   | 0.6   | 1.3   | 50    | <0.1  | 0.2   | <0.1  | 46    | 0.33  | 0.045  |
| 11NG0613            | Soil                             | 1.9   | 23.8  | 11.7  | 64    | 0.1   | 53.9  | 13.4  | 429   | 3.05  | 4.8   | 0.6   | 0.9   | 5.0   | 23    | <0.1  | 0.2   | 0.2   | 77    | 0.23  | 0.056  |
| REP 11NG0613        | QC                               | 1.7   | 23.1  | 12.5  | 60    | 0.1   | 52.1  | 12.9  | 427   | 3.07  | 4.8   | 0.6   | 0.8   | 4.9   | 23    | 0.2   | 0.2   | 0.2   | 76    | 0.22  | 0.056  |
| 11NG0635            | Soil                             | 1.5   | 35.8  | 13.8  | 98    | 0.2   | 26.3  | 14.1  | 358   | 3.90  | 9.3   | 0.9   | 2.6   | 7.4   | 18    | 0.1   | 0.6   | 0.5   | 70    | 0.19  | 0.034  |
| REP 11NG0635        | QC                               | 1.5   | 33.8  | 13.5  | 95    | 0.2   | 25.2  | 13.8  | 355   | 3.80  | 9.7   | 0.9   | 2.5   | 7.3   | 18    | 0.2   | 0.5   | 0.5   | 71    | 0.18  | 0.035  |
| 11NG0647            | Soil                             | 0.9   | 38.3  | 15.4  | 64    | <0.1  | 30.1  | 11.5  | 406   | 3.24  | 7.1   | 1.1   | 3.2   | 9.3   | 32    | <0.1  | 0.4   | 0.2   | 64    | 0.29  | 0.047  |
| REP 11NG0647        | QC                               | 0.9   | 37.3  | 15.8  | 67    | <0.1  | 30.9  | 11.4  | 412   | 3.26  | 7.1   | 1.0   | 4.3   | 9.5   | 32    | <0.1  | 0.4   | 0.1   | 67    | 0.29  | 0.045  |
| 11NG0663            | Soil                             | 1.5   | 29.2  | 9.6   | 67    | 0.2   | 24.9  | 13.5  | 554   | 3.23  | 4.5   | 1.0   | 49.4  | 5.5   | 39    | <0.1  | 0.6   | 0.1   | 56    | 0.60  | 0.093  |
| REP 11NG0663        | QC                               | 1.4   | 28.8  | 9.9   | 67    | 0.2   | 24.2  | 12.9  | 553   | 3.21  | 4.5   | 1.0   | 20.5  | 5.4   | 38    | <0.1  | 0.6   | 0.1   | 55    | 0.59  | 0.090  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 13.5  | 110.0 | 129.0 | 322   | 1.9   | 39.0  | 7.5   | 625   | 2.55  | 26.6  | 2.8   | 109.3 | 7.0   | 66    | 2.5   | 5.8   | 6.9   | 43    | 0.70  | 0.085  |
| STD DS8             | Standard                         | 12.1  | 97.6  | 119.0 | 288   | 1.7   | 34.4  | 6.6   | 557   | 2.26  | 22.9  | 2.3   | 103.8 | 5.8   | 57    | 2.3   | 4.8   | 5.8   | 39    | 0.67  | 0.073  |
| STD DS8             | Standard                         | 13.8  | 116.0 | 125.2 | 314   | 1.8   | 36.6  | 7.6   | 595   | 2.48  | 25.1  | 2.9   | 112.3 | 7.5   | 70    | 2.3   | 6.0   | 7.2   | 42    | 0.67  | 0.078  |
| STD DS8             | Standard                         | 11.1  | 102.8 | 120.4 | 293   | 1.7   | 35.5  | 7.0   | 572   | 2.35  | 23.0  | 2.6   | 107.9 | 6.3   | 55    | 2.1   | 4.7   | 6.5   | 37    | 0.60  | 0.077  |
| STD DS8             | Standard                         | 12.4  | 103.7 | 120.2 | 292   | 1.7   | 35.0  | 7.1   | 573   | 2.30  | 23.8  | 2.8   | 110.7 | 7.1   | 66    | 2.1   | 5.4   | 7.0   | 40    | 0.64  | 0.073  |
| STD DS8             | Standard                         | 10.3  | 95.1  | 109.3 | 284   | 1.6   | 33.5  | 6.8   | 528   | 2.18  | 22.1  | 2.4   | 108.9 | 5.6   | 54    | 2.1   | 4.0   | 5.4   | 37    | 0.59  | 0.071  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Report Date: September 12, 2011

Page: 1 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11001004.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11NG0525            | Soil                             | 6     | 39    | 1.14   | 220   | 0.260  | 4     | 1.89  | 0.013  | 0.26  | 0.1   | 0.03  | 4.0   | 0.2   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11NG0525        | QC                               | 7     | 42    | 1.24   | 244   | 0.281  | 4     | 2.07  | 0.014  | 0.28  | 0.1   | 0.02  | 4.3   | 0.2   | <0.05  | 8     | <0.5  | <0.2  |
| 11NG0547            | Soil                             | 19    | 20    | 0.22   | 204   | 0.005  | 1     | 1.69  | 0.006  | 0.13  | <0.1  | <0.01 | 4.4   | <0.1  | <0.05  | 4     | <0.5  | <0.2  |
| REP 11NG0547        | QC                               | 18    | 19    | 0.21   | 200   | 0.005  | <1    | 1.65  | 0.006  | 0.13  | <0.1  | <0.01 | 4.3   | 0.2   | <0.05  | 4     | <0.5  | <0.2  |
| 11NG0563            | Soil                             | 14    | 14    | 1.17   | 355   | 0.147  | <1    | 2.78  | 0.014  | 0.69  | <0.1  | <0.01 | 6.1   | 0.3   | <0.05  | 11    | <0.5  | <0.2  |
| REP 11NG0563        | QC                               | 14    | 14    | 1.23   | 348   | 0.144  | <1    | 2.84  | 0.014  | 0.71  | <0.1  | <0.01 | 6.1   | 0.3   | <0.05  | 11    | <0.5  | <0.2  |
| 11NG0584            | Soil                             | 5     | 27    | 0.62   | 212   | 0.050  | <1    | 1.66  | 0.015  | 0.04  | <0.1  | <0.01 | 2.7   | <0.1  | <0.05  | 4     | <0.5  | <0.2  |
| REP 11NG0584        | QC                               | 4     | 26    | 0.58   | 203   | 0.049  | <1    | 1.55  | 0.014  | 0.03  | <0.1  | <0.01 | 2.6   | <0.1  | <0.05  | 4     | <0.5  | <0.2  |
| 11NG0613            | Soil                             | 19    | 79    | 1.05   | 262   | 0.132  | <1    | 1.80  | 0.008  | 0.06  | <0.1  | <0.01 | 3.5   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11NG0613        | QC                               | 19    | 76    | 1.06   | 262   | 0.128  | <1    | 1.78  | 0.008  | 0.06  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| 11NG0635            | Soil                             | 16    | 38    | 0.69   | 250   | 0.116  | 1     | 3.01  | 0.011  | 0.10  | 0.2   | 0.03  | 4.9   | 0.2   | <0.05  | 7     | 0.9   | <0.2  |
| REP 11NG0635        | QC                               | 16    | 38    | 0.69   | 240   | 0.117  | 2     | 2.97  | 0.011  | 0.10  | 0.1   | 0.02  | 4.7   | 0.2   | <0.05  | 7     | <0.5  | <0.2  |
| 11NG0647            | Soil                             | 39    | 47    | 0.74   | 515   | 0.095  | 1     | 2.10  | 0.013  | 0.08  | 0.1   | 0.02  | 6.4   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11NG0647        | QC                               | 40    | 46    | 0.73   | 502   | 0.093  | <1    | 2.08  | 0.012  | 0.08  | <0.1  | 0.03  | 6.1   | <0.1  | <0.05  | 6     | 0.7   | <0.2  |
| 11NG0663            | Soil                             | 32    | 34    | 0.62   | 747   | 0.025  | <1    | 1.84  | 0.010  | 0.07  | 0.1   | 0.06  | 5.2   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11NG0663        | QC                               | 32    | 35    | 0.61   | 748   | 0.027  | <1    | 1.86  | 0.010  | 0.07  | 0.1   | 0.06  | 5.0   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 15    | 120   | 0.63   | 280   | 0.117  | 2     | 0.94  | 0.091  | 0.41  | 3.1   | 0.18  | 2.1   | 5.5   | 0.15   | 5     | 5.3   | 4.8   |
| STD DS8             | Standard                         | 13    | 108   | 0.55   | 267   | 0.096  | 3     | 0.82  | 0.078  | 0.39  | 3.1   | 0.19  | 2.4   | 5.3   | 0.15   | 4     | 4.0   | 4.7   |
| STD DS8             | Standard                         | 16    | 118   | 0.61   | 281   | 0.129  | 2     | 0.91  | 0.088  | 0.40  | 3.0   | 0.19  | 2.5   | 5.2   | 0.17   | 4     | 4.8   | 4.7   |
| STD DS8             | Standard                         | 12    | 107   | 0.57   | 252   | 0.092  | 3     | 0.84  | 0.077  | 0.37  | 2.9   | 0.20  | 2.1   | 5.4   | 0.09   | 4     | 5.6   | 4.3   |
| STD DS8             | Standard                         | 15    | 109   | 0.55   | 248   | 0.119  | 3     | 0.82  | 0.077  | 0.37  | 2.7   | 0.18  | 2.1   | 4.9   | 0.18   | 4     | 4.9   | 4.7   |
| STD DS8             | Standard                         | 11    | 100   | 0.54   | 222   | 0.099  | 2     | 0.77  | 0.069  | 0.36  | 2.6   | 0.18  | 1.6   | 5.0   | 0.13   | 4     | 4.4   | 4.4   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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**Project:** Mariposa

**Report Date:** September 12, 2011

**Page:** 2 of 2 **Part** 1

## QUALITY CONTROL REPORT

WHI11001004.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|     |       | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|     |       | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|     |       | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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**Project:** Mariposa

**Report Date:** September 12, 2011

**Page:** 2 of 2 **Part** 2

## QUALITY CONTROL REPORT

WHI11001004.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | La    | Cr    | Mg    | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    |
|     |       | ppm   | ppm   | %     | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|     |       | 1     | 1     | 0.01  | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  |





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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 12, 2011

Report Date: November 14, 2011

Page: 1 of 8

## CERTIFICATE OF ANALYSIS

WHI11001133.2

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-19  
P.O. Number  
Number of Samples: 202

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 201               | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 201               | Dry at 60C                                            |              |               | WHI |
| RJSV        | 201               | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F01        | 201               | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 0.5          | Completed     | VAN |
| 1F02        | 198               | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS

Version 2 : 1F02 included.



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: November 14, 2011

Page: 2 of 8 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 |
| 11CB0706A | Soil                             | 1.55        | 22.50       | 17.97       | 52.8       | 1463     | 14.2       | 39.3       | 3044     | 2.48      | 3.6        | 1.0        | 3.6        | 1.0        | 39.3       | 0.68        | 0.22        | 0.24        | 44       |
| 11CB0707A | Soil                             | 0.97        | 12.48       | 9.01        | 56.5       | 245      | 10.7       | 8.0        | 843      | 2.31      | 4.2        | 0.2        | 2.1        | 1.0        | 32.5       | 0.40        | 0.23        | 0.20        | 59       |
| 11CB0708A | Soil                             | 0.84        | 16.40       | 8.42        | 76.0       | 623      | 8.3        | 4.5        | 904      | 1.10      | 2.7        | 0.4        | 2.2        | 1.3        | 48.9       | 0.77        | 0.16        | 0.19        | 29       |
| 11CB0709A | Soil                             | 0.78        | 20.00       | 5.05        | 36.3       | 419      | 11.4       | 2.2        | 119      | 0.67      | 2.0        | 0.2        | 4.2        | <0.1       | 23.3       | 0.87        | 0.16        | 0.12        | 15       |
| 11CB0710A | Soil                             | 1.02        | 41.39       | 7.32        | 157.5      | 1457     | 22.1       | 7.8        | 1268     | 0.96      | 1.8        | 0.7        | 3.5        | <0.1       | 75.5       | 2.85        | 0.15        | 0.15        | 15       |
| 11CB0711A | Soil                             | 3.08        | 34.83       | 6.82        | 22.9       | 1595     | 8.5        | 5.1        | 272      | 1.23      | 2.4        | 2.5        | 4.1        | <0.1       | 34.4       | 0.63        | 0.24        | 0.13        | 15       |
| 11CB0712A | Soil                             | 0.86        | 17.68       | 4.96        | 22.9       | 317      | 8.8        | 2.0        | 50       | 0.64      | 1.6        | 0.3        | 3.1        | <0.1       | 19.0       | 0.56        | 0.15        | 0.11        | 16       |
| 11CB0713A | Soil                             | 1.75        | 46.46       | 3.53        | 33.0       | 387      | 10.4       | 2.5        | 219      | 0.85      | 1.2        | 24.0       | 3.6        | 0.2        | 261.7      | 0.44        | 0.32        | 0.06        | 11       |
| 11CB0714A | Soil                             | 1.45        | 13.63       | 3.91        | 29.9       | 163      | 6.0        | 5.6        | 250      | 0.94      | 0.6        | 2.8        | 2.6        | 1.1        | 62.5       | 0.32        | 0.51        | 0.04        | 6        |
| 11CB0715A | Soil                             | 1.87        | 9.31        | 3.09        | 22.6       | 152      | 6.2        | 4.2        | 155      | 1.67      | 1.3        | 1.1        | 3.0        | 0.5        | 72.5       | 0.19        | 0.30        | 0.06        | 9        |
| 11CB0716A | Soil                             | 0.60        | 34.63       | 7.92        | 21.3       | 428      | 12.1       | 2.6        | 55       | 0.95      | 2.3        | 0.8        | <0.2       | <0.1       | 34.9       | 0.62        | 0.17        | 0.25        | 16       |
| 11CB0717A | Soil                             | 1.14        | 16.80       | 4.46        | 11.5       | 188      | 10.5       | 1.8        | 49       | 0.73      | 1.5        | 0.3        | 1.3        | <0.1       | 12.1       | 0.80        | 0.16        | 0.14        | 15       |
| 11CB0718A | Soil                             | 0.56        | 14.09       | 5.59        | 15.8       | 126      | 5.3        | 2.1        | 35       | 1.00      | 1.7        | 1.0        | 2.4        | <0.1       | 15.7       | 0.29        | 0.14        | 0.11        | 14       |
| 11CB0719A | Soil                             | 0.47        | 36.10       | 5.16        | 16.6       | 116      | 13.6       | 4.1        | 58       | 1.14      | 1.5        | 1.1        | 1.5        | <0.1       | 18.3       | 0.24        | 0.12        | 0.09        | 22       |
| 11CB0720A | Soil                             | 0.83        | 15.32       | 7.08        | 18.0       | 110      | 7.5        | 2.9        | 45       | 1.02      | 2.3        | 0.8        | 1.5        | <0.1       | 18.3       | 0.21        | 0.18        | 0.11        | 20       |
| 11CB0721A | Soil                             | 0.67        | 16.86       | 6.73        | 15.8       | 319      | 8.9        | 2.7        | 45       | 1.06      | 2.0        | 0.5        | 1.2        | <0.1       | 36.6       | 0.49        | 0.14        | 0.13        | 22       |
| 11CB0722A | Soil                             | 0.79        | 14.06       | 6.38        | 19.4       | 393      | 8.4        | 2.9        | 48       | 1.00      | 2.1        | 0.4        | 0.8        | <0.1       | 31.4       | 0.30        | 0.19        | 0.12        | 23       |
| 11CB0723A | Soil                             | 0.96        | 14.49       | 5.88        | 15.9       | 483      | 8.0        | 2.1        | 37       | 0.87      | 1.8        | 0.5        | 2.5        | <0.1       | 22.4       | 0.28        | 0.15        | 0.09        | 13       |
| 11CB0724A | Soil                             | 0.45        | 18.82       | 7.89        | 20.5       | 196      | 5.2        | 2.0        | 58       | 0.60      | 1.5        | 0.5        | 0.6        | <0.1       | 38.0       | 0.24        | 0.08        | 0.16        | 14       |
| 11CB0725A | Soil                             | 0.75        | 9.59        | 5.38        | 19.0       | 436      | 5.9        | 9.6        | 1544     | 0.74      | 2.6        | 0.2        | 0.4        | <0.1       | 63.2       | 0.40        | 0.18        | 0.13        | 19       |
| 11CB0726A | Soil                             | 0.50        | 24.90       | 4.63        | 47.9       | 253      | 7.3        | 1.9        | 189      | 0.51      | 0.8        | 0.2        | 1.0        | <0.1       | 38.0       | 0.83        | 0.09        | 0.10        | 13       |
| 11CB0727A | Soil                             | 0.46        | 20.40       | 4.42        | 15.3       | 161      | 7.4        | 1.5        | 33       | 0.52      | 0.4        | 0.3        | 0.6        | <0.1       | 24.3       | 0.35        | 0.09        | 0.10        | 11       |
| 11CB0728A | Soil                             | 0.54        | 18.49       | 5.82        | 13.5       | 354      | 8.0        | 2.7        | 33       | 0.98      | 1.1        | 1.2        | 1.1        | <0.1       | 50.7       | 0.39        | 0.16        | 0.09        | 11       |
| 11CB0729A | Soil                             | 0.64        | 17.02       | 5.34        | 17.0       | 400      | 6.7        | 2.5        | 39       | 0.91      | 1.3        | 1.0        | 0.5        | <0.1       | 51.4       | 0.36        | 0.17        | 0.09        | 11       |
| 11CB0730A | Soil                             | 0.58        | 18.52       | 5.88        | 12.9       | 343      | 8.2        | 2.7        | 36       | 0.96      | 1.2        | 1.1        | 0.8        | <0.1       | 54.5       | 0.33        | 0.15        | 0.08        | 11       |
| 11CB0731A | Soil                             | 0.58        | 8.86        | 6.63        | 15.2       | 97       | 3.6        | 1.3        | 44       | 0.77      | 1.7        | 0.3        | <0.2       | 0.1        | 19.1       | 0.09        | 0.14        | 0.16        | 26       |
| 11CB0732A | Soil                             | 0.96        | 20.28       | 5.19        | 36.9       | 557      | 16.2       | 5.1        | 312      | 0.76      | 2.1        | 0.3        | 1.1        | <0.1       | 44.3       | 1.44        | 0.21        | 0.11        | 15       |
| 11CB0733A | Soil                             | 0.86        | 17.99       | 8.68        | 51.9       | 285      | 10.7       | 4.4        | 400      | 1.21      | 2.8        | 0.4        | <0.2       | 0.9        | 37.7       | 0.58        | 0.13        | 0.19        | 30       |
| 11CB0734A | Soil                             | 0.64        | 27.07       | 9.37        | 112.5      | 879      | 21.3       | 6.5        | 2277     | 1.34      | 2.9        | 0.5        | 0.2        | 0.1        | 88.6       | 1.11        | 0.18        | 0.15        | 22       |
| 11CB0735A | Soil                             | 0.66        | 25.42       | 6.49        | 57.2       | 759      | 14.0       | 4.2        | 676      | 0.98      | 2.8        | 0.4        | 0.2        | <0.1       | 44.7       | 1.09        | 0.14        | 0.12        | 16       |



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Project: Mariposa  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F    | 1F   | 1F   | 1F    | 1F    | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F    | 1F    | 1F  | 1F  | 1F    | 1F  | 1F   | 1F    |
|-----------|----------------------------------|-------|------|------|-------|-------|-----|------|-------|------|------|-----|-------|-------|-----|-----|-------|-----|------|-------|
|           |                                  | La    | Cr   | Mg   | Ba    | Ti    | B   | Al   | Na    | K    | W    | Sc  | Ti    | S     | Hg  | Se  | Te    | Ga  | Mo   | Cu    |
|           |                                  | ppm   | ppm  | %    | ppm   | %     | ppm | %    | %     | %    | ppm  | ppm | ppm   | %     | ppb | ppm | ppm   | ppm | ppm  | ppm   |
|           |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001 | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02  | 0.02  | 5   | 0.1 | 0.02  | 0.1 | 0.01 | 0.01  |
| 11CB0706A | Soil                             | 15.9  | 21.6 | 0.27 | 672.4 | 0.042 | <20 | 1.18 | 0.018 | 0.08 | <0.1 | 2.6 | 0.11  | <0.02 | 26  | 0.3 | <0.02 | 4.7 | 1.78 | 22.07 |
| 11CB0707A | Soil                             | 5.6   | 19.8 | 0.30 | 316.0 | 0.058 | <20 | 0.91 | 0.013 | 0.14 | <0.1 | 1.7 | 0.07  | <0.02 | <5  | 0.1 | <0.02 | 5.3 | 1.12 | 11.93 |
| 11CB0708A | Soil                             | 7.2   | 12.6 | 0.13 | 471.4 | 0.037 | <20 | 0.66 | 0.017 | 0.13 | <0.1 | 1.7 | 0.05  | <0.02 | <5  | 0.1 | <0.02 | 3.6 | 0.88 | 15.90 |
| 11CB0709A | Soil                             | 3.4   | 10.7 | 0.06 | 289.7 | 0.001 | <20 | 0.56 | 0.013 | 0.06 | <0.1 | 0.1 | 0.03  | 0.06  | 101 | 0.3 | <0.02 | 1.6 | 0.82 | 17.84 |
| 11CB0710A | Soil                             | 17.9  | 14.4 | 0.14 | 780.9 | 0.004 | <20 | 0.73 | 0.016 | 0.11 | <0.1 | 0.3 | 0.05  | 0.05  | 84  | 0.3 | <0.02 | 2.0 | 1.07 | 43.79 |
| 11CB0711A | Soil                             | 61.9  | 13.0 | 0.09 | 392.9 | 0.009 | <20 | 0.83 | 0.011 | 0.04 | <0.1 | 0.7 | 0.06  | 0.13  | 168 | 0.5 | <0.02 | 2.1 | 3.40 | 33.10 |
| 11CB0712A | Soil                             | 4.1   | 12.6 | 0.04 | 178.9 | 0.007 | <20 | 0.43 | 0.013 | 0.03 | <0.1 | 0.3 | 0.02  | 0.05  | 76  | 0.2 | <0.02 | 1.7 | 0.87 | 18.30 |
| 11CB0713A | Soil                             | 101.0 | 10.8 | 0.23 | 326.8 | 0.011 | <20 | 0.75 | 0.018 | 0.06 | <0.1 | 0.8 | 0.05  | 0.14  | 99  | 1.1 | <0.02 | 1.4 | 1.60 | 38.84 |
| 11CB0714A | Soil                             | 49.0  | 6.5  | 0.11 | 300.1 | 0.015 | <20 | 0.44 | 0.015 | 0.05 | <0.1 | 2.2 | 0.03  | 0.15  | 162 | 0.4 | <0.02 | 0.8 | 1.61 | 13.92 |
| 11CB0715A | Soil                             | 24.9  | 6.9  | 0.14 | 359.4 | 0.013 | <20 | 0.40 | 0.016 | 0.04 | <0.1 | 1.1 | 0.03  | 0.14  | 147 | 0.3 | <0.02 | 0.6 | 1.92 | 8.71  |
| 11CB0716A | Soil                             | 26.0  | 11.6 | 0.09 | 341.2 | 0.009 | <20 | 0.61 | 0.015 | 0.03 | <0.1 | 0.3 | <0.02 | 0.05  | 87  | 0.2 | <0.02 | 2.1 | 0.73 | 34.20 |
| 11CB0717A | Soil                             | 4.1   | 12.7 | 0.05 | 192.1 | 0.002 | <20 | 0.62 | 0.011 | 0.03 | <0.1 | 0.2 | 0.03  | 0.07  | 93  | 0.3 | <0.02 | 1.9 | 1.13 | 17.13 |
| 11CB0718A | Soil                             | 14.4  | 10.1 | 0.08 | 174.4 | 0.006 | <20 | 0.73 | 0.009 | 0.03 | <0.1 | 0.3 | 0.03  | 0.08  | 96  | 0.3 | <0.02 | 2.1 | 0.63 | 13.37 |
| 11CB0719A | Soil                             | 10.8  | 25.9 | 0.25 | 210.9 | 0.017 | <20 | 0.73 | 0.016 | 0.04 | <0.1 | 0.6 | 0.03  | 0.06  | 73  | 0.3 | <0.02 | 2.9 | 0.51 | 32.66 |
| 11CB0720A | Soil                             | 16.3  | 14.2 | 0.09 | 217.8 | 0.006 | <20 | 0.83 | 0.008 | 0.04 | <0.1 | 0.2 | 0.04  | 0.06  | 98  | 0.3 | <0.02 | 2.8 | 0.88 | 14.53 |
| 11CB0721A | Soil                             | 6.2   | 11.0 | 0.10 | 305.3 | 0.010 | <20 | 0.85 | 0.011 | 0.03 | <0.1 | 0.4 | 0.04  | 0.05  | 62  | 0.3 | <0.02 | 3.7 | 0.72 | 15.53 |
| 11CB0722A | Soil                             | 5.4   | 12.0 | 0.10 | 224.9 | 0.013 | <20 | 0.75 | 0.010 | 0.04 | <0.1 | 0.4 | 0.04  | 0.05  | 77  | 0.4 | <0.02 | 3.0 | 0.82 | 12.53 |
| 11CB0723A | Soil                             | 4.5   | 12.5 | 0.07 | 297.2 | 0.002 | <20 | 0.65 | 0.012 | 0.05 | <0.1 | 0.2 | 0.03  | 0.07  | 127 | 0.4 | <0.02 | 2.1 | 0.90 | 13.82 |
| 11CB0724A | Soil                             | 5.4   | 12.4 | 0.07 | 225.4 | 0.009 | <20 | 0.53 | 0.014 | 0.03 | <0.1 | 0.2 | 0.04  | 0.03  | 47  | 0.3 | <0.02 | 2.5 | 0.60 | 19.34 |
| 11CB0725A | Soil                             | 4.3   | 9.1  | 0.11 | 251.7 | 0.013 | <20 | 0.42 | 0.012 | 0.05 | <0.1 | 0.3 | 0.05  | 0.04  | 82  | 0.3 | <0.02 | 2.5 | 0.80 | 9.30  |
| 11CB0726A | Soil                             | 3.5   | 10.1 | 0.06 | 344.4 | 0.004 | <20 | 0.34 | 0.017 | 0.04 | <0.1 | 0.3 | 0.04  | 0.03  | 55  | 0.3 | <0.02 | 2.0 | 0.60 | 25.16 |
| 11CB0727A | Soil                             | 4.8   | 11.6 | 0.04 | 151.0 | 0.002 | <20 | 0.42 | 0.016 | 0.03 | <0.1 | 0.2 | <0.02 | 0.04  | 66  | 0.2 | <0.02 | 1.6 | 0.50 | 19.35 |
| 11CB0728A | Soil                             | 28.4  | 10.9 | 0.06 | 216.5 | 0.005 | <20 | 0.80 | 0.015 | 0.03 | <0.1 | 0.4 | 0.03  | 0.07  | 87  | 0.4 | <0.02 | 1.3 | 0.67 | 17.84 |
| 11CB0729A | Soil                             | 23.6  | 9.4  | 0.06 | 213.3 | 0.006 | <20 | 0.70 | 0.015 | 0.03 | <0.1 | 0.3 | 0.03  | 0.07  | 108 | 0.4 | <0.02 | 1.3 | 0.62 | 14.58 |
| 11CB0730A | Soil                             | 27.8  | 11.3 | 0.06 | 223.1 | 0.006 | <20 | 0.79 | 0.016 | 0.03 | <0.1 | 0.4 | 0.03  | 0.06  | 82  | 0.4 | <0.02 | 1.4 | 0.67 | 18.53 |
| 11CB0731A | Soil                             | 6.3   | 10.5 | 0.08 | 95.4  | 0.022 | <20 | 0.58 | 0.008 | 0.03 | <0.1 | 0.6 | 0.05  | 0.03  | 45  | 0.3 | <0.02 | 4.0 | 0.56 | 7.59  |
| 11CB0732A | Soil                             | 5.7   | 10.9 | 0.12 | 604.6 | 0.001 | <20 | 0.53 | 0.018 | 0.08 | <0.1 | 0.2 | 0.04  | 0.06  | 102 | 0.3 | <0.02 | 1.6 | 0.95 | 18.84 |
| 11CB0733A | Soil                             | 9.9   | 14.5 | 0.12 | 416.9 | 0.039 | <20 | 0.67 | 0.015 | 0.16 | <0.1 | 1.6 | 0.05  | <0.02 | <5  | 0.1 | <0.02 | 3.8 | 0.97 | 16.66 |
| 11CB0734A | Soil                             | 9.3   | 20.0 | 0.18 | 1007  | 0.011 | <20 | 0.86 | 0.018 | 0.13 | <0.1 | 0.5 | 0.07  | 0.04  | 22  | 0.3 | <0.02 | 2.8 | 0.82 | 27.89 |
| 11CB0735A | Soil                             | 5.7   | 11.7 | 0.09 | 336.9 | 0.011 | <20 | 0.78 | 0.018 | 0.10 | <0.1 | 0.5 | 0.04  | 0.04  | 41  | 0.4 | <0.02 | 2.3 | 0.88 | 23.10 |



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Project: Mariposa  
Report Date: November 14, 2011

Page: 2 of 8 Part 3

## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15<br>Zn | 1F15<br>Ag | 1F15<br>Ni | 1F15<br>Co | 1F15<br>Mn | 1F15<br>Fe | 1F15<br>As | 1F15<br>U  | 1F15<br>Au | 1F15<br>Th | 1F15<br>Sr | 1F15<br>Cd  | 1F15<br>Sb  | 1F15<br>Bi  | 1F15<br>V | 1F15<br>Ca | 1F15<br>P  | 1F15<br>La | 1F15<br>Cr | 1F15<br>Mg |
|-----------|----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-----------|------------|------------|------------|------------|------------|
|           |                                  | ppm<br>0.1 | ppb<br>2   | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1   | %<br>0.01  | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2  | %<br>0.01  | %<br>0.001 | ppm<br>0.5 | ppm<br>0.5 | %<br>0.01  |
| 11CB0706A | Soil                             | 53.6       | 1573       | 15.1       | 40.0       | 3062       | 2.55       | 3.7        | 1.0        | 8.7        | 1.1        | 39.2       | 0.75        | 0.39        | 0.26        | 50        | 0.39       | 0.185      | 16.2       | 23.5       | 0.25       |
| 11CB0707A | Soil                             | 56.9       | 268        | 10.7       | 8.4        | 880        | 2.38       | 4.5        | 0.2        | 2.2        | 1.2        | 33.4       | 0.42        | 0.45        | 0.25        | 64        | 0.44       | 0.128      | 6.5        | 21.4       | 0.28       |
| 11CB0708A | Soil                             | 73.3       | 635        | 8.3        | 4.6        | 932        | 1.11       | 2.5        | 0.3        | 2.9        | 1.5        | 47.0       | 0.79        | 0.26        | 0.21        | 32        | 0.69       | 0.128      | 7.5        | 13.8       | 0.13       |
| 11CB0709A | Soil                             | 34.6       | 430        | 10.9       | 2.2        | 114        | 0.65       | 1.2        | 0.2        | 2.6        | <0.1       | 20.9       | 0.90        | 0.15        | 0.15        | 16        | 0.15       | 0.123      | 3.2        | 10.0       | 0.06       |
| 11CB0710A | Soil                             | 182.2      | 1602       | 23.8       | 8.6        | 1493       | 1.03       | 1.7        | 0.7        | 2.8        | 0.2        | 79.6       | 3.20        | 0.19        | 0.19        | 17        | 1.21       | 0.216      | 18.8       | 13.3       | 0.15       |
| 11CB0711A | Soil                             | 24.8       | 1671       | 8.4        | 5.1        | 286        | 1.26       | 1.2        | 2.3        | 5.1        | 0.2        | 34.6       | 0.64        | 0.24        | 0.13        | 17        | 0.38       | 0.153      | 61.4       | 12.7       | 0.10       |
| 11CB0712A | Soil                             | 24.9       | 341        | 7.8        | 2.1        | 53         | 0.68       | 1.1        | 0.3        | 1.9        | <0.1       | 20.9       | 0.65        | 0.14        | 0.14        | 18        | 0.11       | 0.058      | 4.6        | 11.7       | 0.04       |
| 11CB0713A | Soil                             | 28.6       | 356        | 9.2        | 2.3        | 198        | 0.77       | 1.0        | 19.4       | 3.2        | 0.2        | 242.3      | 0.46        | 0.24        | 0.08        | 10        | 2.03       | 0.063      | 94.3       | 9.6        | 0.19       |
| 11CB0714A | Soil                             | 33.1       | 205        | 6.8        | 6.0        | 278        | 1.02       | 1.0        | 2.9        | 3.7        | 0.8        | 66.3       | 0.36        | 0.56        | 0.05        | 8         | 0.84       | 0.138      | 52.3       | 7.1        | 0.12       |
| 11CB0715A | Soil                             | 23.3       | 174        | 6.2        | 4.2        | 153        | 1.68       | 1.5        | 1.1        | 3.8        | 0.4        | 72.0       | 0.18        | 0.32        | 0.06        | 9         | 0.82       | 0.139      | 24.5       | 7.0        | 0.14       |
| 11CB0716A | Soil                             | 23.3       | 498        | 12.7       | 2.9        | 60         | 1.04       | 1.3        | 0.9        | 2.7        | <0.1       | 37.2       | 0.67        | 0.20        | 0.13        | 18        | 0.28       | 0.064      | 27.6       | 12.6       | 0.10       |
| 11CB0717A | Soil                             | 12.8       | 221        | 10.2       | 1.9        | 52         | 0.80       | 1.5        | 0.3        | 2.1        | <0.1       | 12.7       | 0.93        | 0.19        | 0.13        | 18        | 0.07       | 0.112      | 4.4        | 12.6       | 0.05       |
| 11CB0718A | Soil                             | 15.7       | 159        | 6.0        | 2.2        | 32         | 1.03       | 1.6        | 1.1        | 3.8        | <0.1       | 16.7       | 0.28        | 0.16        | 0.10        | 15        | 0.10       | 0.100      | 15.5       | 11.1       | 0.08       |
| 11CB0719A | Soil                             | 15.8       | 122        | 13.7       | 4.1        | 57         | 1.16       | 1.2        | 1.0        | 1.7        | <0.1       | 17.9       | 0.24        | 0.14        | 0.09        | 25        | 0.17       | 0.070      | 10.2       | 25.6       | 0.25       |
| 11CB0720A | Soil                             | 17.4       | 128        | 8.1        | 3.0        | 45         | 1.07       | 2.1        | 0.8        | 2.6        | <0.1       | 18.3       | 0.20        | 0.21        | 0.11        | 22        | 0.12       | 0.086      | 15.8       | 14.7       | 0.09       |
| 11CB0721A | Soil                             | 15.8       | 335        | 8.8        | 2.6        | 43         | 1.04       | 1.6        | 0.4        | 0.5        | <0.1       | 34.6       | 0.49        | 0.15        | 0.13        | 23        | 0.20       | 0.085      | 6.1        | 11.1       | 0.10       |
| 11CB0722A | Soil                             | 17.9       | 431        | 8.2        | 2.7        | 43         | 1.00       | 2.0        | 0.4        | 1.3        | <0.1       | 29.9       | 0.33        | 0.21        | 0.13        | 23        | 0.17       | 0.076      | 5.4        | 11.3       | 0.09       |
| 11CB0723A | Soil                             | 15.2       | 475        | 7.1        | 2.3        | 36         | 0.88       | 1.3        | 0.5        | 2.5        | <0.1       | 21.4       | 0.32        | 0.14        | 0.10        | 14        | 0.13       | 0.107      | 4.4        | 10.8       | 0.07       |
| 11CB0724A | Soil                             | 22.9       | 230        | 5.6        | 2.2        | 64         | 0.66       | 0.9        | 0.6        | 1.7        | <0.1       | 42.8       | 0.28        | 0.10        | 0.16        | 17        | 0.22       | 0.048      | 6.2        | 13.9       | 0.08       |
| 11CB0725A | Soil                             | 20.3       | 451        | 5.9        | 9.1        | 1389       | 0.75       | 1.3        | 0.2        | 1.0        | <0.1       | 62.1       | 0.40        | 0.23        | 0.38        | 22        | 0.31       | 0.061      | 4.9        | 9.5        | 0.12       |
| 11CB0726A | Soil                             | 51.7       | 282        | 7.2        | 2.0        | 216        | 0.61       | 0.9        | 0.2        | 1.8        | <0.1       | 40.3       | 0.88        | 0.13        | 0.17        | 16        | 0.29       | 0.064      | 4.4        | 10.0       | 0.07       |
| 11CB0727A | Soil                             | 14.6       | 180        | 6.3        | 1.5        | 33         | 0.55       | 0.8        | 0.3        | 1.7        | <0.1       | 24.1       | 0.34        | 0.11        | 0.13        | 13        | 0.07       | 0.089      | 5.0        | 9.7        | 0.04       |
| 11CB0728A | Soil                             | 14.4       | 378        | 8.0        | 2.9        | 34         | 1.04       | 1.3        | 1.1        | 6.3        | <0.1       | 51.9       | 0.41        | 0.16        | 0.10        | 12        | 0.19       | 0.089      | 27.0       | 11.3       | 0.06       |
| 11CB0729A | Soil                             | 16.5       | 379        | 6.4        | 2.3        | 34         | 0.84       | 0.9        | 0.9        | 0.6        | <0.1       | 45.6       | 0.40        | 0.15        | 0.09        | 10        | 0.17       | 0.076      | 21.3       | 8.7        | 0.06       |
| 11CB0730A | Soil                             | 14.0       | 374        | 8.4        | 2.8        | 36         | 1.03       | 1.3        | 1.1        | 1.5        | <0.1       | 55.6       | 0.40        | 0.18        | 0.10        | 12        | 0.21       | 0.090      | 28.3       | 11.3       | 0.06       |
| 11CB0731A | Soil                             | 13.2       | 106        | 3.5        | 1.3        | 40         | 0.72       | 1.9        | 0.2        | 1.5        | 0.1        | 17.7       | 0.09        | 0.15        | 0.12        | 26        | 0.08       | 0.033      | 5.9        | 10.3       | 0.07       |
| 11CB0732A | Soil                             | 36.0       | 582        | 15.9       | 5.2        | 324        | 0.81       | 1.3        | 0.3        | 1.1        | <0.1       | 44.3       | 1.51        | 0.20        | 0.12        | 16        | 0.40       | 0.141      | 5.8        | 10.1       | 0.12       |
| 11CB0733A | Soil                             | 53.4       | 306        | 10.9       | 4.5        | 417        | 1.30       | 1.7        | 0.4        | 2.0        | 1.2        | 38.7       | 0.57        | 0.23        | 0.18        | 35        | 0.38       | 0.192      | 9.9        | 15.3       | 0.13       |
| 11CB0734A | Soil                             | 122.6      | 1068       | 24.3       | 7.2        | 2457       | 1.56       | 2.2        | 0.5        | <0.2       | 0.2        | 100.9      | 1.31        | 0.28        | 0.18        | 29        | 1.38       | 0.296      | 10.7       | 23.2       | 0.20       |
| 11CB0735A | Soil                             | 59.1       | 820        | 14.1       | 4.4        | 678        | 1.03       | 1.2        | 0.4        | 0.2        | <0.1       | 45.8       | 1.09        | 0.16        | 0.12        | 19        | 0.44       | 0.304      | 5.9        | 12.3       | 0.09       |



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Project: Mariposa  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11CB0706A | Soil                             | 706.8 | 0.042 | 2    | 1.28 | 0.019 | 0.08 | <0.1 | 3.0  | 0.13 | <0.02 | 35   | 0.3  | 0.04  |
| 11CB0707A | Soil                             | 332.5 | 0.058 | 2    | 0.97 | 0.016 | 0.14 | <0.1 | 1.9  | 0.09 | <0.02 | <5   | 0.2  | 0.03  |
| 11CB0708A | Soil                             | 485.8 | 0.038 | 3    | 0.69 | 0.019 | 0.13 | <0.1 | 1.6  | 0.06 | <0.02 | 12   | 0.2  | 0.05  |
| 11CB0709A | Soil                             | 281.0 | 0.003 | 2    | 0.53 | 0.012 | 0.05 | <0.1 | 0.3  | 0.05 | 0.06  | 88   | 0.2  | 0.03  |
| 11CB0710A | Soil                             | 853.5 | 0.006 | 2    | 0.76 | 0.017 | 0.11 | <0.1 | 0.4  | 0.06 | 0.06  | 93   | 0.3  | 0.03  |
| 11CB0711A | Soil                             | 416.0 | 0.009 | 2    | 0.86 | 0.012 | 0.05 | <0.1 | 0.8  | 0.10 | 0.14  | 152  | 0.4  | 0.02  |
| 11CB0712A | Soil                             | 196.7 | 0.011 | 2    | 0.48 | 0.016 | 0.04 | <0.1 | 0.3  | 0.04 | 0.05  | 72   | 0.3  | <0.02 |
| 11CB0713A | Soil                             | 292.0 | 0.010 | 6    | 0.64 | 0.016 | 0.05 | <0.1 | 0.7  | 0.06 | 0.13  | 88   | 0.9  | <0.02 |
| 11CB0714A | Soil                             | 345.0 | 0.018 | 4    | 0.49 | 0.015 | 0.05 | <0.1 | 2.5  | 0.06 | 0.17  | 158  | 0.3  | <0.02 |
| 11CB0715A | Soil                             | 384.7 | 0.013 | 3    | 0.42 | 0.016 | 0.04 | <0.1 | 1.3  | 0.05 | 0.15  | 149  | 0.3  | <0.02 |
| 11CB0716A | Soil                             | 387.0 | 0.011 | 1    | 0.67 | 0.017 | 0.03 | <0.1 | 0.5  | 0.06 | 0.05  | 95   | 0.2  | 0.03  |
| 11CB0717A | Soil                             | 204.5 | 0.003 | 1    | 0.66 | 0.013 | 0.04 | <0.1 | 0.3  | 0.05 | 0.08  | 89   | 0.4  | <0.02 |
| 11CB0718A | Soil                             | 196.4 | 0.006 | 1    | 0.77 | 0.010 | 0.04 | <0.1 | 0.4  | 0.05 | 0.09  | 111  | 0.3  | 0.03  |
| 11CB0719A | Soil                             | 209.0 | 0.016 | <1   | 0.77 | 0.019 | 0.04 | <0.1 | 0.7  | 0.04 | 0.06  | 71   | 0.3  | <0.02 |
| 11CB0720A | Soil                             | 218.0 | 0.006 | 1    | 0.87 | 0.009 | 0.04 | <0.1 | 0.3  | 0.05 | 0.07  | 75   | 0.3  | 0.03  |
| 11CB0721A | Soil                             | 305.7 | 0.012 | 1    | 0.85 | 0.011 | 0.03 | <0.1 | 0.4  | 0.06 | 0.05  | 55   | 0.4  | <0.02 |
| 11CB0722A | Soil                             | 228.2 | 0.013 | 1    | 0.78 | 0.012 | 0.04 | <0.1 | 0.4  | 0.05 | 0.05  | 80   | 0.4  | 0.03  |
| 11CB0723A | Soil                             | 320.8 | 0.003 | 1    | 0.65 | 0.012 | 0.05 | <0.1 | 0.2  | 0.04 | 0.07  | 126  | 0.3  | <0.02 |
| 11CB0724A | Soil                             | 258.5 | 0.013 | 1    | 0.62 | 0.017 | 0.04 | <0.1 | 0.3  | 0.07 | 0.03  | 64   | 0.3  | 0.02  |
| 11CB0725A | Soil                             | 257.7 | 0.015 | 1    | 0.44 | 0.014 | 0.05 | <0.1 | 0.5  | 0.08 | 0.04  | 83   | 0.2  | <0.02 |
| 11CB0726A | Soil                             | 376.1 | 0.006 | 2    | 0.38 | 0.021 | 0.05 | <0.1 | 0.4  | 0.09 | 0.04  | 73   | 0.2  | <0.02 |
| 11CB0727A | Soil                             | 156.2 | 0.003 | <1   | 0.46 | 0.017 | 0.04 | <0.1 | 0.3  | 0.04 | 0.04  | 71   | 0.2  | 0.02  |
| 11CB0728A | Soil                             | 222.7 | 0.007 | 1    | 0.87 | 0.019 | 0.03 | <0.1 | 0.5  | 0.07 | 0.07  | 102  | 0.4  | <0.02 |
| 11CB0729A | Soil                             | 202.8 | 0.006 | 1    | 0.65 | 0.016 | 0.03 | <0.1 | 0.4  | 0.06 | 0.07  | 112  | 0.3  | 0.02  |
| 11CB0730A | Soil                             | 240.9 | 0.006 | 1    | 0.86 | 0.018 | 0.03 | <0.1 | 0.5  | 0.05 | 0.07  | 97   | 0.4  | <0.02 |
| 11CB0731A | Soil                             | 89.2  | 0.024 | <1   | 0.56 | 0.008 | 0.03 | <0.1 | 0.7  | 0.06 | 0.02  | 41   | 0.1  | 0.02  |
| 11CB0732A | Soil                             | 660.0 | 0.003 | 2    | 0.58 | 0.020 | 0.08 | <0.1 | 0.2  | 0.06 | 0.07  | 121  | 0.3  | <0.02 |
| 11CB0733A | Soil                             | 424.5 | 0.036 | <1   | 0.78 | 0.018 | 0.17 | <0.1 | 1.8  | 0.08 | <0.02 | <5   | 0.1  | 0.03  |
| 11CB0734A | Soil                             | 1145  | 0.016 | 4    | 1.04 | 0.022 | 0.15 | <0.1 | 0.8  | 0.11 | 0.05  | 48   | 0.4  | 0.02  |
| 11CB0735A | Soil                             | 360.2 | 0.012 | 2    | 0.87 | 0.020 | 0.11 | <0.1 | 0.5  | 0.07 | 0.04  | 54   | 0.3  | 0.02  |



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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11CB0736A | Soil                             | 0.94        | 23.80       | 6.61        | 27.6       | 452      | 16.1       | 3.6        | 82       | 0.72      | 2.4        | 0.4        | 4.5        | <0.1       | 24.9       | 1.48        | 0.14        | 0.08        | 11       | 0.18      |
| 11CB0737A | Soil                             | 1.11        | 23.97       | 7.38        | 74.3       | 402      | 10.0       | 2.8        | 830      | 1.19      | 3.3        | 0.4        | <0.2       | 0.9        | 45.2       | 0.97        | 0.18        | 0.19        | 32       | 0.72      |
| 11CB0738A | Soil                             | 2.10        | 20.30       | 9.87        | 94.5       | 501      | 9.7        | 3.8        | 1154     | 1.41      | 3.4        | 0.8        | 1.0        | 3.0        | 39.6       | 0.66        | 0.13        | 0.21        | 32       | 0.79      |
| 11CB0739A | Soil                             | 4.57        | 35.61       | 17.05       | 105.6      | 816      | 23.6       | 9.4        | 527      | 4.17      | 9.5        | 1.8        | 6.6        | 9.2        | 37.6       | 0.66        | 0.17        | 0.36        | 66       | 0.43      |
| 11CB0740A | Soil                             | 4.75        | 35.22       | 16.39       | 112.5      | 751      | 26.1       | 10.1       | 426      | 4.50      | 10.0       | 1.6        | 16.5       | 9.9        | 31.3       | 0.71        | 0.17        | 0.42        | 76       | 0.32      |
| 11CB0741A | Soil                             | 4.91        | 35.73       | 17.04       | 98.3       | 701      | 23.1       | 8.7        | 330      | 4.22      | 9.8        | 1.8        | 7.3        | 11.1       | 28.5       | 0.49        | 0.17        | 0.37        | 69       | 0.30      |
| 11CB0742A | Soil                             | 4.70        | 33.01       | 16.41       | 109.3      | 686      | 22.8       | 9.8        | 549      | 3.91      | 10.5       | 1.6        | 8.0        | 9.5        | 29.7       | 0.79        | 0.18        | 0.39        | 66       | 0.34      |
| 11CB0743A | Soil                             | 6.29        | 10.75       | 4.48        | 32.3       | 123      | 6.0        | 17.1       | 1311     | 1.12      | 3.7        | 2.5        | 2.8        | 1.1        | 49.4       | 0.20        | 0.28        | 0.10        | 16       | 0.86      |
| 11CB0744A | Soil                             | 2.14        | 11.24       | 2.97        | 20.3       | 110      | 6.0        | 3.1        | 130      | 0.85      | 2.4        | 1.2        | 2.4        | 0.9        | 36.8       | 0.12        | 0.21        | 0.11        | 9        | 0.67      |
| 11CB0745A | Soil                             | 3.35        | 14.16       | 2.22        | 15.4       | 92       | 5.0        | 9.8        | 512      | 0.87      | 2.0        | 1.1        | 1.6        | 0.7        | 65.9       | 0.16        | 0.21        | 0.08        | 7        | 1.37      |
| 11CB0746A | Soil                             | 1.30        | 25.87       | 5.16        | 76.0       | 136      | 9.2        | 3.0        | 328      | 0.88      | 2.1        | 0.3        | 0.9        | <0.1       | 15.7       | 0.91        | 0.19        | 0.12        | 22       | 0.12      |
| 11CB0747A | Soil                             | 2.43        | 22.70       | 2.33        | 21.8       | 182      | 5.9        | 4.9        | 239      | 0.96      | 2.5        | 2.2        | 1.7        | 0.9        | 59.6       | 0.18        | 0.30        | 0.06        | 10       | 0.90      |
| 11CB0748A | Soil                             | 2.31        | 16.15       | 2.93        | 20.4       | 163      | 4.7        | 3.9        | 155      | 1.24      | 2.7        | 1.2        | 1.5        | 0.4        | 40.0       | 0.13        | 0.20        | 0.06        | 10       | 0.48      |
| 11CB0749A | Soil                             | 3.14        | 19.55       | 6.18        | 40.2       | 176      | 9.0        | 9.5        | 343      | 1.88      | 4.0        | 1.5        | 1.5        | 1.2        | 48.4       | 0.16        | 0.17        | 0.11        | 28       | 0.65      |
| 11CB0750A | Soil                             | 1.76        | 43.59       | 6.87        | 35.6       | 159      | 15.1       | 9.4        | 219      | 1.60      | 3.6        | 1.8        | 1.2        | 0.5        | 29.1       | 0.52        | 0.17        | 0.13        | 35       | 0.31      |
| 11CB0751A | Soil                             | 1.92        | 56.92       | 16.01       | 43.9       | 369      | 18.3       | 37.0       | 3082     | 2.36      | 7.1        | 6.4        | 1.4        | 0.9        | 59.5       | 0.83        | 0.27        | 0.11        | 50       | 0.64      |
| 11CB0752A | Soil                             | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.   | L.N.R.    |
| 11CB0753A | Soil                             | 0.72        | 21.11       | 8.15        | 16.3       | 184      | 7.0        | 1.8        | 51       | 0.82      | 3.2        | 0.9        | 1.6        | 0.2        | 16.9       | 0.25        | 0.16        | 0.13        | 18       | 0.09      |
| 11CB0754A | Soil                             | 0.91        | 34.18       | 6.54        | 21.7       | 608      | 8.0        | 2.2        | 56       | 0.70      | 3.0        | 1.2        | 0.3        | 0.1        | 19.9       | 0.45        | 0.16        | 0.25        | 15       | 0.09      |
| 11CB0755A | Soil                             | 1.01        | 25.56       | 9.33        | 16.7       | 89       | 11.2       | 2.8        | 52       | 0.97      | 2.7        | 1.6        | 1.1        | 0.1        | 19.6       | 0.30        | 0.19        | 0.14        | 18       | 0.09      |
| 11CB0756A | Soil                             | 0.85        | 18.50       | 7.39        | 16.8       | 569      | 6.3        | 1.9        | 40       | 0.78      | 2.2        | 0.7        | 0.8        | <0.1       | 11.8       | 0.37        | 0.19        | 0.12        | 18       | 0.06      |
| 11CB0757A | Soil                             | 0.83        | 40.00       | 11.17       | 26.9       | 131      | 10.4       | 2.7        | 65       | 1.46      | 3.4        | 2.5        | 1.6        | 0.3        | 28.2       | 0.30        | 0.22        | 0.18        | 26       | 0.20      |
| 11CB0758A | Soil                             | 0.68        | 24.42       | 6.85        | 13.5       | 139      | 8.1        | 2.0        | 39       | 1.07      | 2.6        | 0.8        | 14.4       | <0.1       | 17.9       | 0.34        | 0.13        | 0.14        | 21       | 0.09      |
| 11CB0759A | Soil                             | 0.82        | 22.22       | 3.57        | 18.6       | 312      | 10.3       | 4.8        | 59       | 0.83      | 3.0        | 0.3        | 0.9        | <0.1       | 22.0       | 0.18        | 0.18        | 0.05        | 18       | 0.26      |
| 11CB0760A | Soil                             | 1.05        | 41.07       | 8.56        | 36.4       | 375      | 19.4       | 9.3        | 218      | 2.05      | 4.8        | 1.5        | 3.2        | 0.7        | 25.7       | 0.26        | 0.24        | 0.09        | 31       | 0.29      |
| 11CB0761A | Soil                             | 0.71        | 19.88       | 2.92        | 20.8       | 175      | 12.3       | 4.2        | 227      | 0.82      | 3.7        | 1.2        | 1.5        | 0.7        | 55.9       | 0.26        | 0.37        | 0.05        | 7        | 0.78      |
| 11CB0762A | Soil                             | 0.59        | 17.36       | 1.83        | 18.3       | 144      | 10.3       | 3.9        | 270      | 0.66      | 2.3        | 1.2        | 1.3        | 1.7        | 65.2       | 0.28        | 0.44        | 0.03        | 3        | 0.96      |
| 11CB0763A | Soil                             | 0.51        | 12.24       | 2.62        | 22.0       | 285      | 6.9        | 4.3        | 803      | 0.70      | 2.1        | 1.1        | 1.7        | 0.2        | 78.3       | 0.52        | 0.45        | 0.06        | 8        | 1.71      |
| 11CB0764A | Soil                             | 1.16        | 10.08       | 3.57        | 45.3       | 412      | 7.1        | 2.2        | 134      | 0.70      | 2.0        | 0.2        | 0.6        | <0.1       | 34.3       | 0.57        | 0.16        | 0.07        | 17       | 0.55      |
| 11CB0765A | Soil                             | 1.00        | 15.26       | 5.28        | 53.9       | 665      | 12.2       | 6.2        | 315      | 1.56      | 4.8        | 0.5        | 0.8        | 0.1        | 55.6       | 0.66        | 0.23        | 0.12        | 37       | 0.57      |



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Project: Mariposa  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     | 1F     |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     | Ga     | Mo     | Cu     | Pb     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 20     | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   | 0.1    | 0.01   | 0.01   | 0.01   |
| 11CB0736A | Soil                             | 4.9    | 11.6   | 0.07   | 264.7  | <0.001 | <20    | 0.55   | 0.015  | 0.05   | <0.1   | 0.2    | <0.02  | 0.06   | 102    | 0.3    | <0.02  | 1.2    | 0.94   | 22.79  | 6.72   |
| 11CB0737A | Soil                             | 7.1    | 14.7   | 0.10   | 270.9  | 0.040  | <20    | 0.73   | 0.020  | 0.16   | <0.1   | 2.3    | 0.04   | <0.02  | 6      | 0.3    | <0.02  | 3.6    | 1.30   | 22.79  | 6.91   |
| 11CB0738A | Soil                             | 11.2   | 15.6   | 0.19   | 591.6  | 0.026  | <20    | 1.05   | 0.020  | 0.20   | <0.1   | 2.7    | 0.05   | <0.02  | <5     | 0.2    | <0.02  | 4.6    | 2.44   | 18.59  | 9.07   |
| 11CB0739A | Soil                             | 45.6   | 37.7   | 0.43   | 857.4  | 0.034  | <20    | 3.31   | 0.018  | 0.30   | <0.1   | 6.9    | 0.10   | <0.02  | 14     | 0.4    | 0.03   | 9.6    | 5.00   | 31.21  | 14.99  |
| 11CB0740A | Soil                             | 33.6   | 42.6   | 0.49   | 680.1  | 0.036  | <20    | 3.47   | 0.017  | 0.31   | <0.1   | 7.4    | 0.15   | <0.02  | 22     | 0.3    | 0.08   | 11.3   | 5.36   | 29.17  | 14.35  |
| 11CB0741A | Soil                             | 40.5   | 40.2   | 0.46   | 677.2  | 0.031  | <20    | 3.29   | 0.012  | 0.27   | <0.1   | 6.8    | 0.10   | <0.02  | 11     | 0.4    | 0.05   | 9.9    | 5.47   | 31.41  | 15.45  |
| 11CB0742A | Soil                             | 33.4   | 35.6   | 0.46   | 721.1  | 0.033  | <20    | 2.87   | 0.012  | 0.26   | <0.1   | 6.1    | 0.10   | <0.02  | 10     | 0.3    | 0.11   | 8.7    | 5.38   | 29.46  | 16.07  |
| 11CB0743A | Soil                             | 23.9   | 9.0    | 0.22   | 352.9  | 0.023  | <20    | 0.54   | 0.013  | 0.05   | <0.1   | 1.5    | 0.07   | 0.13   | 133    | 0.3    | 0.06   | 1.8    | 7.29   | 10.96  | 5.14   |
| 11CB0744A | Soil                             | 24.9   | 7.8    | 0.13   | 253.0  | 0.015  | <20    | 0.41   | 0.013  | 0.05   | <0.1   | 1.2    | 0.05   | 0.12   | 108    | 0.2    | 0.03   | 0.9    | 2.19   | 10.66  | 3.12   |
| 11CB0745A | Soil                             | 34.3   | 4.5    | 0.14   | 258.2  | 0.010  | <20    | 0.29   | 0.016  | 0.04   | <0.1   | 0.8    | 0.07   | 0.16   | 96     | 0.3    | <0.02  | 0.4    | 3.49   | 13.04  | 2.33   |
| 11CB0746A | Soil                             | 6.8    | 10.5   | 0.07   | 284.3  | 0.009  | <20    | 0.49   | 0.011  | 0.04   | <0.1   | 0.3    | 0.04   | 0.04   | 63     | 0.2    | <0.02  | 2.6    | 1.49   | 23.96  | 5.58   |
| 11CB0747A | Soil                             | 53.3   | 7.5    | 0.16   | 280.4  | 0.018  | <20    | 0.48   | 0.015  | 0.04   | <0.1   | 1.7    | 0.04   | 0.15   | 117    | 0.3    | <0.02  | 1.1    | 2.63   | 20.92  | 2.72   |
| 11CB0748A | Soil                             | 16.6   | 6.4    | 0.08   | 179.8  | 0.014  | <20    | 0.36   | 0.016  | 0.04   | <0.1   | 1.1    | 0.04   | 0.15   | 100    | 0.3    | 0.04   | 0.7    | 2.79   | 16.17  | 3.83   |
| 11CB0749A | Soil                             | 19.8   | 14.1   | 0.33   | 172.0  | 0.043  | <20    | 0.96   | 0.010  | 0.05   | 0.2    | 1.7    | 0.08   | 0.09   | 68     | 0.3    | 0.03   | 3.7    | 3.40   | 17.14  | 6.35   |
| 11CB0750A | Soil                             | 25.4   | 18.8   | 0.27   | 209.8  | 0.037  | <20    | 0.89   | 0.011  | 0.06   | <0.1   | 1.2    | 0.06   | 0.05   | 48     | 0.2    | 0.02   | 4.6    | 1.76   | 37.49  | 6.74   |
| 11CB0751A | Soil                             | 95.5   | 12.8   | 0.16   | 469.6  | 0.015  | <20    | 1.08   | 0.013  | 0.03   | <0.1   | 1.5    | 0.05   | 0.11   | 108    | 0.4    | 0.03   | 2.5    | 2.15   | 52.07  | 16.78  |
| 11CB0752A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0753A | Soil                             | 12.4   | 12.8   | 0.08   | 163.1  | 0.017  | <20    | 0.64   | 0.008  | 0.03   | <0.1   | 0.6    | 0.03   | 0.04   | 79     | 0.3    | 0.04   | 3.0    | 0.84   | 19.92  | 8.75   |
| 11CB0754A | Soil                             | 33.4   | 11.2   | 0.07   | 288.5  | 0.013  | <20    | 0.45   | 0.013  | 0.04   | <0.1   | 0.7    | 0.02   | 0.03   | 68     | 0.1    | 0.02   | 1.8    | 1.05   | 31.88  | 7.32   |
| 11CB0755A | Soil                             | 24.0   | 17.7   | 0.08   | 239.7  | 0.011  | <20    | 0.66   | 0.009  | 0.04   | <0.1   | 0.5    | 0.04   | 0.06   | 99     | 0.4    | 0.05   | 2.5    | 1.03   | 20.87  | 8.59   |
| 11CB0756A | Soil                             | 14.8   | 12.7   | 0.07   | 112.9  | 0.014  | <20    | 0.65   | 0.009  | 0.04   | <0.1   | 0.5    | 0.03   | 0.05   | 81     | 0.2    | 0.04   | 2.9    | 0.91   | 16.50  | 7.20   |
| 11CB0757A | Soil                             | 36.2   | 19.5   | 0.13   | 331.1  | 0.017  | <20    | 1.12   | 0.012  | 0.04   | <0.1   | 0.9    | 0.06   | 0.04   | 82     | 0.3    | 0.03   | 3.9    | 0.90   | 38.42  | 11.84  |
| 11CB0758A | Soil                             | 12.2   | 16.2   | 0.08   | 220.8  | 0.012  | <20    | 0.77   | 0.011  | 0.03   | <0.1   | 0.4    | 0.03   | 0.04   | 65     | 0.3    | 0.03   | 3.3    | 0.83   | 24.76  | 7.77   |
| 11CB0759A | Soil                             | 3.9    | 15.0   | 0.15   | 152.8  | 0.013  | <20    | 0.41   | 0.018  | 0.05   | <0.1   | 0.3    | 0.04   | 0.05   | 96     | 0.2    | 0.04   | 1.7    | 0.98   | 23.77  | 4.21   |
| 11CB0760A | Soil                             | 82.7   | 29.8   | 0.21   | 407.8  | 0.017  | <20    | 1.13   | 0.011  | 0.06   | <0.1   | 2.7    | 0.06   | 0.11   | 111    | 0.4    | <0.02  | 2.7    | 1.32   | 40.64  | 9.33   |
| 11CB0761A | Soil                             | 82.1   | 10.8   | 0.11   | 707.6  | 0.009  | <20    | 0.46   | 0.016  | 0.04   | <0.1   | 1.6    | 0.02   | 0.12   | 115    | 0.4    | 0.04   | 0.6    | 0.99   | 24.44  | 5.31   |
| 11CB0762A | Soil                             | 88.4   | 5.1    | 0.10   | 838.4  | 0.007  | <20    | 0.35   | 0.018  | 0.04   | <0.1   | 2.3    | <0.02  | 0.13   | 112    | 0.3    | 0.02   | 0.2    | 0.68   | 17.66  | 2.02   |
| 11CB0763A | Soil                             | 53.2   | 6.7    | 0.15   | 1226   | 0.009  | <20    | 0.50   | 0.016  | 0.02   | <0.1   | 1.8    | 0.03   | 0.13   | 143    | 0.3    | <0.02  | 1.1    | 0.59   | 11.54  | 2.80   |
| 11CB0764A | Soil                             | 3.5    | 10.8   | 0.15   | 200.2  | 0.019  | <20    | 0.48   | 0.015  | 0.06   | <0.1   | 1.1    | 0.04   | 0.05   | 74     | 0.2    | <0.02  | 2.6    | 1.34   | 9.98   | 4.09   |
| 11CB0765A | Soil                             | 8.5    | 15.3   | 0.27   | 250.2  | 0.035  | <20    | 1.07   | 0.011  | 0.08   | <0.1   | 1.5    | 0.05   | 0.05   | 85     | 0.3    | 0.02   | 4.7    | 1.11   | 13.82  | 5.72   |



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**Report Date:** November 14, 2011

**Page:** 3 of 8 **Part** 3

## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method | Analyte | Unit | MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |        |        |        |
|-----------|--------|---------|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |        |         |      |     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     | P      | La     | Cr     | Mg     |
|           |        |         |      |     | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | %      | ppm    | ppm    | %      |
|           |        |         |      |     | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   | 0.001  | 0.5    | 0.5    | 0.01   |
| 11CB0736A | Soil   |         |      |     | 29.7   | 443    | 15.4   | 3.5    | 83     | 0.78   | 1.0    | 0.3    | 1.0    | <0.1   | 25.5   | 1.59   | 0.13   | 0.10   | 13     | 0.19   | 0.144  | 4.8    | 9.8    | 0.07   |
| 11CB0737A | Soil   |         |      |     | 75.5   | 438    | 9.8    | 2.9    | 839    | 1.20   | 1.8    | 0.4    | 0.8    | 1.1    | 44.6   | 0.98   | 0.30   | 0.18   | 35     | 0.71   | 0.320  | 7.3    | 15.8   | 0.10   |
| 11CB0738A | Soil   |         |      |     | 91.3   | 512    | 9.7    | 3.6    | 1014   | 1.36   | 2.3    | 0.7    | 2.8    | 2.8    | 39.8   | 0.66   | 0.22   | 0.20   | 33     | 0.76   | 0.126  | 11.2   | 16.4   | 0.19   |
| 11CB0739A | Soil   |         |      |     | 103.2  | 807    | 21.9   | 9.1    | 495    | 3.96   | 8.2    | 1.5    | 6.3    | 7.9    | 36.2   | 0.65   | 0.39   | 0.31   | 67     | 0.39   | 0.213  | 39.8   | 34.2   | 0.38   |
| 11CB0740A | Soil   |         |      |     | 96.1   | 669    | 21.8   | 9.1    | 364    | 3.98   | 9.0    | 1.4    | 7.5    | 8.6    | 26.4   | 0.54   | 0.38   | 0.34   | 70     | 0.28   | 0.167  | 30.0   | 37.4   | 0.42   |
| 11CB0741A | Soil   |         |      |     | 92.6   | 694    | 22.2   | 8.7    | 320    | 4.14   | 9.0    | 1.6    | 7.9    | 9.6    | 27.3   | 0.51   | 0.41   | 0.35   | 71     | 0.28   | 0.167  | 36.4   | 38.5   | 0.42   |
| 11CB0742A | Soil   |         |      |     | 110.8  | 746    | 21.5   | 9.7    | 559    | 4.16   | 8.7    | 1.4    | 8.2    | 8.8    | 30.0   | 0.85   | 0.43   | 0.41   | 70     | 0.37   | 0.242  | 32.1   | 38.5   | 0.45   |
| 11CB0743A | Soil   |         |      |     | 38.1   | 153    | 6.8    | 17.6   | 1375   | 1.28   | 1.4    | 2.5    | 5.1    | 1.4    | 53.8   | 0.23   | 0.35   | 0.16   | 19     | 0.97   | 0.116  | 25.7   | 10.3   | 0.25   |
| 11CB0744A | Soil   |         |      |     | 23.7   | 122    | 5.6    | 3.3    | 139    | 0.91   | 0.7    | 1.2    | 1.3    | 0.6    | 38.0   | 0.14   | 0.22   | 0.10   | 10     | 0.74   | 0.110  | 25.4   | 6.8    | 0.13   |
| 11CB0745A | Soil   |         |      |     | 17.6   | 102    | 4.8    | 9.5    | 521    | 0.90   | 1.0    | 1.0    | 1.2    | 0.6    | 67.5   | 0.20   | 0.24   | 0.11   | 8      | 1.43   | 0.103  | 35.2   | 3.8    | 0.13   |
| 11CB0746A | Soil   |         |      |     | 80.7   | 150    | 9.4    | 2.9    | 344    | 0.94   | 1.0    | 0.4    | 1.0    | 0.1    | 16.4   | 0.94   | 0.23   | 0.15   | 23     | 0.15   | 0.075  | 7.6    | 10.4   | 0.08   |
| 11CB0747A | Soil   |         |      |     | 24.9   | 219    | 6.2    | 5.0    | 247    | 1.05   | 0.8    | 2.1    | 2.8    | 0.9    | 63.6   | 0.22   | 0.36   | 0.06   | 11     | 0.99   | 0.117  | 55.3   | 7.3    | 0.15   |
| 11CB0748A | Soil   |         |      |     | 23.3   | 212    | 5.3    | 4.2    | 176    | 1.39   | 1.5    | 1.3    | 1.1    | 0.4    | 45.2   | 0.14   | 0.26   | 0.09   | 11     | 0.56   | 0.161  | 18.9   | 6.3    | 0.09   |
| 11CB0749A | Soil   |         |      |     | 44.2   | 210    | 8.4    | 8.8    | 350    | 1.94   | 2.3    | 1.5    | 1.4    | 1.3    | 51.8   | 0.19   | 0.18   | 0.10   | 30     | 0.69   | 0.086  | 20.6   | 14.0   | 0.30   |
| 11CB0750A | Soil   |         |      |     | 37.0   | 167    | 13.8   | 8.8    | 221    | 1.67   | 2.1    | 1.7    | 0.9    | 0.7    | 29.2   | 0.50   | 0.21   | 0.16   | 37     | 0.31   | 0.046  | 25.4   | 18.8   | 0.24   |
| 11CB0751A | Soil   |         |      |     | 47.4   | 422    | 18.3   | 35.9   | 3248   | 2.52   | 4.9    | 6.4    | 1.4    | 1.0    | 62.5   | 0.94   | 0.29   | 0.12   | 55     | 0.70   | 0.140  | 106.5  | 13.2   | 0.16   |
| 11CB0752A | Soil   |         |      |     | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0753A | Soil   |         |      |     | 18.4   | 223    | 7.0    | 1.8    | 57     | 0.94   | 1.6    | 0.8    | 1.0    | 0.2    | 19.0   | 0.31   | 0.17   | 0.14   | 21     | 0.10   | 0.056  | 14.0   | 14.4   | 0.09   |
| 11CB0754A | Soil   |         |      |     | 25.7   | 712    | 8.0    | 2.3    | 59     | 0.81   | 0.9    | 1.2    | 1.8    | 0.2    | 23.0   | 0.54   | 0.19   | 0.10   | 18     | 0.10   | 0.054  | 35.5   | 12.4   | 0.08   |
| 11CB0755A | Soil   |         |      |     | 16.9   | 92     | 10.0   | 2.4    | 49     | 1.05   | 1.8    | 1.4    | 1.2    | <0.1   | 19.0   | 0.29   | 0.21   | 0.13   | 20     | 0.10   | 0.082  | 23.0   | 15.1   | 0.08   |
| 11CB0756A | Soil   |         |      |     | 18.8   | 669    | 5.8    | 2.0    | 43     | 0.85   | 1.4    | 0.7    | 1.4    | <0.1   | 12.7   | 0.42   | 0.21   | 0.13   | 20     | 0.07   | 0.068  | 15.5   | 12.1   | 0.07   |
| 11CB0757A | Soil   |         |      |     | 30.6   | 158    | 10.9   | 2.8    | 71     | 1.64   | 2.8    | 2.5    | 1.5    | 0.6    | 30.5   | 0.35   | 0.26   | 0.20   | 28     | 0.22   | 0.063  | 37.6   | 20.6   | 0.13   |
| 11CB0758A | Soil   |         |      |     | 15.0   | 176    | 8.8    | 2.1    | 42     | 1.21   | 2.0    | 0.9    | 0.5    | 0.2    | 20.5   | 0.40   | 0.17   | 0.16   | 23     | 0.11   | 0.064  | 14.1   | 17.7   | 0.10   |
| 11CB0759A | Soil   |         |      |     | 23.8   | 422    | 12.3   | 6.0    | 74     | 1.06   | 1.5    | 0.4    | 1.0    | <0.1   | 27.8   | 0.27   | 0.22   | 0.08   | 23     | 0.34   | 0.090  | 5.4    | 18.3   | 0.20   |
| 11CB0760A | Soil   |         |      |     | 44.1   | 471    | 21.4   | 9.8    | 237    | 2.41   | 3.0    | 1.7    | 3.0    | 0.9    | 29.1   | 0.33   | 0.28   | 0.13   | 37     | 0.35   | 0.141  | 98.4   | 34.4   | 0.23   |
| 11CB0761A | Soil   |         |      |     | 29.2   | 285    | 14.4   | 5.1    | 183    | 1.27   | 1.3    | 1.3    | 1.9    | 0.5    | 47.1   | 0.31   | 0.34   | 0.08   | 15     | 0.61   | 0.132  | 92.0   | 16.3   | 0.14   |
| 11CB0762A | Soil   |         |      |     | 21.7   | 208    | 11.4   | 4.2    | 314    | 0.73   | <0.1   | 1.3    | 1.5    | 1.8    | 77.6   | 0.37   | 0.57   | 0.04   | 4      | 1.09   | 0.129  | 109.3  | 4.2    | 0.11   |
| 11CB0763A | Soil   |         |      |     | 25.3   | 338    | 7.1    | 4.1    | 834    | 0.76   | 0.2    | 1.1    | 1.4    | 0.3    | 82.5   | 0.55   | 0.51   | 0.06   | 11     | 1.81   | 0.116  | 55.6   | 5.8    | 0.15   |
| 11CB0764A | Soil   |         |      |     | 53.5   | 507    | 7.2    | 2.2    | 150    | 0.81   | 0.9    | 0.3    | 1.4    | 0.1    | 42.1   | 0.70   | 0.19   | 0.09   | 21     | 0.63   | 0.072  | 4.5    | 10.6   | 0.17   |
| 11CB0765A | Soil   |         |      |     | 57.0   | 826    | 10.9   | 5.8    | 328    | 1.61   | 2.3    | 0.6    | 1.2    | 0.2    | 63.6   | 0.86   | 0.27   | 0.12   | 38     | 0.65   | 0.093  | 9.7    | 13.8   | 0.26   |





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**Project:** Mariposa  
**Report Date:** November 14, 2011

**Page:** 3 of 8 **Part** 4

## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB0736A | Soil                             | 277.7  | 0.002  | 2      | 0.58   | 0.017  | 0.06   | <0.1   | 0.4    | 0.04   | 0.07   | 93     | 0.3    | <0.02  |
| 11CB0737A | Soil                             | 273.7  | 0.042  | 2      | 0.81   | 0.023  | 0.17   | <0.1   | 2.6    | 0.06   | <0.02  | 9      | 0.2    | <0.02  |
| 11CB0738A | Soil                             | 576.9  | 0.029  | 2      | 1.03   | 0.021  | 0.19   | <0.1   | 2.7    | 0.07   | <0.02  | <5     | 0.2    | <0.02  |
| 11CB0739A | Soil                             | 812.2  | 0.036  | 2      | 3.25   | 0.017  | 0.29   | <0.1   | 6.9    | 0.11   | <0.02  | 22     | 0.4    | 0.07   |
| 11CB0740A | Soil                             | 628.9  | 0.032  | 2      | 3.17   | 0.013  | 0.28   | <0.1   | 6.5    | 0.11   | <0.02  | 19     | 0.3    | 0.06   |
| 11CB0741A | Soil                             | 672.4  | 0.029  | 1      | 3.26   | 0.012  | 0.27   | <0.1   | 7.0    | 0.12   | <0.02  | 12     | 0.3    | 0.08   |
| 11CB0742A | Soil                             | 722.1  | 0.023  | 3      | 3.09   | 0.012  | 0.27   | <0.1   | 6.7    | 0.09   | <0.02  | 23     | 0.3    | 0.09   |
| 11CB0743A | Soil                             | 399.2  | 0.022  | 5      | 0.65   | 0.015  | 0.05   | <0.1   | 2.1    | 0.09   | 0.14   | 159    | 0.3    | 0.03   |
| 11CB0744A | Soil                             | 273.9  | 0.015  | 4      | 0.45   | 0.013  | 0.05   | <0.1   | 1.3    | 0.05   | 0.13   | 123    | 0.1    | <0.02  |
| 11CB0745A | Soil                             | 275.6  | 0.010  | 6      | 0.30   | 0.016  | 0.04   | <0.1   | 0.8    | 0.08   | 0.17   | 114    | 0.1    | 0.02   |
| 11CB0746A | Soil                             | 305.2  | 0.009  | 2      | 0.50   | 0.012  | 0.05   | <0.1   | 0.3    | 0.05   | 0.05   | 70     | <0.1   | <0.02  |
| 11CB0747A | Soil                             | 298.3  | 0.017  | 4      | 0.53   | 0.015  | 0.05   | <0.1   | 2.1    | 0.05   | 0.17   | 147    | 0.3    | <0.02  |
| 11CB0748A | Soil                             | 215.4  | 0.014  | 4      | 0.42   | 0.017  | 0.05   | <0.1   | 1.1    | 0.05   | 0.18   | 162    | 0.2    | <0.02  |
| 11CB0749A | Soil                             | 186.7  | 0.038  | 2      | 1.02   | 0.011  | 0.05   | 0.1    | 2.1    | 0.09   | 0.10   | 75     | 0.2    | 0.02   |
| 11CB0750A | Soil                             | 218.0  | 0.032  | 2      | 0.93   | 0.012  | 0.06   | <0.1   | 1.4    | 0.06   | 0.05   | 42     | 0.2    | 0.03   |
| 11CB0751A | Soil                             | 507.3  | 0.012  | 2      | 1.16   | 0.014  | 0.04   | <0.1   | 1.7    | 0.06   | 0.12   | 123    | 0.1    | <0.02  |
| 11CB0752A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0753A | Soil                             | 188.6  | 0.014  | 2      | 0.73   | 0.010  | 0.04   | <0.1   | 0.7    | 0.04   | 0.05   | 94     | 0.2    | <0.02  |
| 11CB0754A | Soil                             | 330.7  | 0.015  | 2      | 0.53   | 0.016  | 0.04   | <0.1   | 1.0    | 0.05   | 0.04   | 69     | 0.2    | <0.02  |
| 11CB0755A | Soil                             | 234.3  | 0.011  | 1      | 0.71   | 0.010  | 0.05   | <0.1   | 0.5    | 0.04   | 0.07   | 99     | 0.2    | 0.05   |
| 11CB0756A | Soil                             | 124.1  | 0.012  | 1      | 0.67   | 0.010  | 0.05   | <0.1   | 0.6    | 0.04   | 0.06   | 107    | 0.3    | 0.04   |
| 11CB0757A | Soil                             | 356.4  | 0.014  | 2      | 1.21   | 0.013  | 0.04   | <0.1   | 1.2    | 0.06   | 0.05   | 93     | 0.3    | 0.04   |
| 11CB0758A | Soil                             | 266.8  | 0.010  | 1      | 0.80   | 0.011  | 0.03   | <0.1   | 0.6    | 0.03   | 0.05   | 81     | 0.3    | 0.03   |
| 11CB0759A | Soil                             | 194.1  | 0.018  | 2      | 0.56   | 0.025  | 0.06   | <0.1   | 0.6    | 0.06   | 0.06   | 113    | 0.2    | 0.03   |
| 11CB0760A | Soil                             | 483.5  | 0.016  | 3      | 1.38   | 0.013  | 0.08   | <0.1   | 4.4    | 0.09   | 0.14   | 129    | 0.2    | 0.04   |
| 11CB0761A | Soil                             | 571.5  | 0.010  | 3      | 0.72   | 0.016  | 0.05   | <0.1   | 2.3    | 0.04   | 0.13   | 110    | 0.2    | 0.03   |
| 11CB0762A | Soil                             | 877.1  | 0.008  | 3      | 0.38   | 0.019  | 0.04   | <0.1   | 3.0    | 0.02   | 0.15   | 145    | 0.3    | <0.02  |
| 11CB0763A | Soil                             | 1204   | 0.009  | 4      | 0.58   | 0.018  | 0.03   | <0.1   | 2.7    | 0.03   | 0.14   | 155    | <0.1   | <0.02  |
| 11CB0764A | Soil                             | 243.0  | 0.023  | 3      | 0.60   | 0.019  | 0.07   | <0.1   | 1.5    | 0.05   | 0.06   | 104    | 0.2    | <0.02  |
| 11CB0765A | Soil                             | 298.8  | 0.029  | 2      | 1.14   | 0.013  | 0.09   | 0.1    | 1.9    | 0.05   | 0.06   | 99     | 0.2    | 0.02   |



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Project: Mariposa  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11CB0766A | Soil                             | 1.12        | 9.18        | 2.53        | 27.3       | 532      | 7.0        | 1.9        | 155      | 0.44      | 3.6        | 0.2        | 0.9        | <0.1       | 65.4       | 0.75        | 0.16        | 0.04        | 10       | 0.62      |
| 11CB0767A | Soil                             | 0.59        | 8.17        | 5.64        | 80.6       | 153      | 5.0        | 7.6        | 926      | 0.82      | 3.1        | 0.2        | 0.7        | <0.1       | 93.0       | 0.82        | 0.15        | 0.10        | 24       | 1.12      |
| 11CB0768A | Soil                             | 1.13        | 11.77       | 14.75       | 41.1       | 275      | 10.7       | 16.5       | 3198     | 1.31      | 3.4        | 0.4        | 0.7        | 0.2        | 85.1       | 0.74        | 0.20        | 0.10        | 32       | 0.78      |
| 11CB0769A | Soil                             | 0.89        | 23.90       | 5.11        | 43.3       | 601      | 14.5       | 7.7        | 4033     | 1.29      | 4.5        | 0.2        | 0.5        | 0.1        | 46.3       | 0.78        | 0.19        | 0.11        | 30       | 0.42      |
| 11CB0770A | Soil                             | 0.94        | 9.31        | 7.70        | 31.8       | 324      | 9.4        | 12.3       | 2463     | 1.57      | 4.9        | 0.2        | 0.4        | <0.1       | 41.1       | 0.32        | 0.21        | 0.14        | 39       | 0.25      |
| 11CB0771A | Soil                             | 0.71        | 9.09        | 4.62        | 82.9       | 478      | 7.2        | 10.7       | 2808     | 0.72      | 3.1        | <0.1       | 0.9        | <0.1       | 183.1      | 0.81        | 0.19        | 0.07        | 14       | 1.26      |
| 11CB0772A | Soil                             | 0.67        | 11.76       | 9.92        | 88.2       | 182      | 10.9       | 7.7        | 1623     | 1.31      | 3.0        | 0.1        | 0.6        | 0.2        | 118.6      | 1.00        | 0.25        | 0.09        | 28       | 0.89      |
| 11CB0773A | Soil                             | 1.00        | 9.68        | 5.25        | 17.0       | 196      | 5.9        | 1.8        | 95       | 0.86      | 4.2        | 0.2        | 1.2        | <0.1       | 17.7       | 0.26        | 0.22        | 0.11        | 24       | 0.10      |
| 11CB0774A | Soil                             | 0.67        | 13.71       | 6.27        | 13.7       | 83       | 6.4        | 1.9        | 67       | 0.95      | 3.9        | 0.3        | 0.5        | <0.1       | 18.5       | 0.21        | 0.14        | 0.11        | 22       | 0.12      |
| 11CB0775A | Soil                             | 0.43        | 18.52       | 5.45        | 11.9       | 77       | 6.5        | 1.7        | 42       | 0.81      | 2.3        | 0.5        | 0.7        | <0.1       | 53.7       | 0.22        | 0.09        | 0.08        | 15       | 0.14      |
| 11CB0776A | Soil                             | 0.41        | 17.14       | 4.56        | 20.8       | 216      | 7.6        | 3.4        | 335      | 0.83      | 3.7        | 0.9        | 1.1        | <0.1       | 105.0      | 0.28        | 0.15        | 0.06        | 10       | 0.58      |
| 11CB0777A | Soil                             | 0.77        | 15.68       | 5.87        | 21.7       | 249      | 9.0        | 3.6        | 52       | 0.94      | 3.9        | 1.0        | 1.3        | <0.1       | 50.9       | 0.28        | 0.17        | 0.06        | 14       | 0.21      |
| 11CB0778A | Soil                             | 0.44        | 13.96       | 3.56        | 12.3       | 148      | 4.7        | 1.4        | 49       | 0.53      | 2.3        | 0.2        | 1.3        | <0.1       | 33.1       | 0.29        | 0.11        | 0.07        | 13       | 0.15      |
| 11CB0779A | Soil                             | 0.74        | 17.25       | 5.98        | 16.6       | 353      | 7.0        | 2.6        | 50       | 0.89      | 2.7        | 0.4        | 1.6        | <0.1       | 35.9       | 0.29        | 0.18        | 0.14        | 15       | 0.14      |
| 11CB0780A | Soil                             | 0.55        | 11.91       | 5.12        | 14.8       | 286      | 5.1        | 2.8        | 54       | 1.00      | 2.4        | 0.9        | 1.9        | 0.1        | 48.9       | 0.25        | 0.18        | 0.10        | 11       | 0.22      |
| 11CB0781A | Soil                             | 0.55        | 12.99       | 4.66        | 14.7       | 326      | 5.4        | 2.6        | 53       | 1.04      | 2.4        | 1.0        | 1.8        | 0.1        | 51.8       | 0.18        | 0.18        | 0.09        | 10       | 0.24      |
| 11CB0782A | Soil                             | 0.59        | 13.01       | 4.55        | 18.8       | 283      | 5.6        | 2.9        | 70       | 1.12      | 2.6        | 1.0        | 1.3        | 0.1        | 52.5       | 0.23        | 0.18        | 0.08        | 13       | 0.26      |
| 11CB0783A | Soil                             | 2.83        | 27.68       | 8.48        | 37.3       | 607      | 12.3       | 3.8        | 201      | 1.67      | 3.4        | 1.4        | 3.1        | 2.8        | 40.5       | 0.47        | 0.17        | 0.36        | 24       | 0.40      |
| 11CB0784A | Soil                             | 2.12        | 39.16       | 8.84        | 192.9      | 1087     | 17.5       | 4.9        | 2081     | 1.43      | 3.0        | 1.1        | 1.7        | 2.1        | 77.0       | 1.49        | 0.22        | 0.18        | 25       | 1.35      |
| 11CB0785A | Soil                             | 1.73        | 16.33       | 3.44        | 40.3       | 227      | 8.8        | 2.9        | 312      | 0.63      | 1.5        | 0.7        | 1.8        | <0.1       | 58.7       | 0.59        | 0.22        | 0.11        | 8        | 0.92      |
| 11CB0786A | Soil                             | 1.03        | 32.04       | 7.21        | 155.1      | 1204     | 16.0       | 4.5        | 2577     | 0.83      | 1.4        | 0.3        | 0.5        | <0.1       | 57.3       | 1.84        | 0.20        | 0.11        | 17       | 0.94      |
| 11CB0787A | Soil                             | 2.65        | 27.83       | 4.75        | 33.5       | 306      | 13.0       | 5.1        | 379      | 1.36      | 3.3        | 1.8        | 5.8        | 0.9        | 91.8       | 0.29        | 0.57        | 0.10        | 16       | 1.45      |
| 11CB0788A | Soil                             | 3.34        | 16.09       | 5.03        | 15.2       | 132      | 6.9        | 7.4        | 551      | 0.96      | 1.6        | 1.8        | 2.2        | 0.8        | 46.6       | 0.16        | 0.27        | 0.05        | 7        | 0.71      |
| 11CB0789A | Soil                             | 4.81        | 12.51       | 3.42        | 25.4       | 91       | 7.2        | 8.0        | 550      | 1.05      | 2.4        | 1.4        | 2.7        | 0.6        | 59.0       | 0.10        | 0.28        | 0.06        | 16       | 1.00      |
| 11CB0790A | Soil                             | 7.24        | 9.26        | 2.41        | 21.8       | 41       | 6.8        | 4.1        | 126      | 0.60      | 1.2        | 0.9        | 0.8        | 0.8        | 49.9       | 0.19        | 0.25        | 0.03        | 6        | 0.66      |
| 11CB0791A | Soil                             | 4.19        | 12.32       | 2.19        | 18.7       | 74       | 4.8        | 2.8        | 506      | 0.44      | 0.8        | 0.6        | 1.7        | 0.2        | 79.1       | 0.18        | 0.31        | 0.02        | 6        | 1.40      |
| 11CB0792A | Soil                             | 2.18        | 12.60       | 2.31        | 15.1       | 143      | 5.6        | 6.4        | 377      | 1.06      | 1.2        | 1.7        | 1.2        | 0.5        | 67.5       | 0.18        | 0.36        | 0.03        | 5        | 1.21      |
| 11CB0793A | Soil                             | 1.42        | 18.67       | 8.70        | 29.7       | 88       | 8.8        | 4.1        | 249      | 0.75      | 1.4        | 0.8        | 0.9        | 0.4        | 55.9       | 0.24        | 0.21        | 0.05        | 12       | 1.03      |
| 11CB0794A | Soil                             | 1.36        | 27.18       | 6.60        | 33.4       | 187      | 9.8        | 4.4        | 126      | 1.40      | 3.0        | 1.4        | 2.0        | 0.2        | 28.9       | 0.28        | 0.21        | 0.07        | 18       | 0.39      |
| 11CB0795A | Soil                             | 1.23        | 28.57       | 12.94       | 25.6       | 164      | 10.7       | 5.5        | 132      | 1.05      | 2.7        | 1.2        | 0.5        | <0.1       | 29.3       | 0.30        | 0.24        | 0.05        | 14       | 0.32      |



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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F   | 1F   | 1F    | 1F    | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F    | 1F    | 1F  | 1F   | 1F    | 1F  | 1F   | 1F    | 1F    |
|-----------|----------------------------------|------|------|------|-------|-------|-----|------|-------|------|------|-----|-------|-------|-----|------|-------|-----|------|-------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B   | Al   | Na    | K    | W    | Sc  | Ti    | S     | Hg  | Se   | Te    | Ga  | Mo   | Cu    | Pb    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm | %    | %     | %    | ppm  | ppm | ppm   | %     | ppb | ppm  | ppm   | ppm | ppm  | ppm   | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02  | 0.02  | 5   | 0.1  | 0.02  | 0.1 | 0.01 | 0.01  | 0.01  |
| 11CB0766A | Soil                             | 2.2  | 11.0 | 0.13 | 141.8 | 0.009 | <20 | 0.32 | 0.017 | 0.07 | <0.1 | 0.4 | 0.03  | 0.09  | 173 | 0.4  | 0.02  | 1.2 | 1.16 | 8.84  | 2.84  |
| 11CB0767A | Soil                             | 3.9  | 8.8  | 0.18 | 245.4 | 0.025 | <20 | 0.51 | 0.012 | 0.06 | <0.1 | 0.6 | 0.06  | 0.05  | 66  | 0.2  | 0.03  | 3.0 | 0.67 | 8.48  | 6.47  |
| 11CB0768A | Soil                             | 5.8  | 15.1 | 0.29 | 259.1 | 0.040 | <20 | 0.98 | 0.014 | 0.08 | <0.1 | 1.5 | 0.06  | 0.05  | 108 | 0.3  | 0.04  | 4.9 | 1.26 | 11.05 | 16.47 |
| 11CB0769A | Soil                             | 3.8  | 14.0 | 0.19 | 640.6 | 0.032 | <20 | 0.65 | 0.014 | 0.08 | <0.1 | 0.9 | 0.05  | 0.04  | 91  | 0.3  | 0.04  | 3.6 | 1.00 | 22.46 | 5.69  |
| 11CB0770A | Soil                             | 4.5  | 15.4 | 0.24 | 252.1 | 0.027 | <20 | 0.73 | 0.009 | 0.07 | <0.1 | 0.6 | 0.07  | 0.03  | 70  | 0.3  | 0.06  | 3.8 | 1.11 | 9.44  | 8.76  |
| 11CB0771A | Soil                             | 1.8  | 11.5 | 0.19 | 372.4 | 0.017 | <20 | 0.31 | 0.013 | 0.11 | <0.1 | 0.4 | 0.05  | 0.08  | 121 | 0.3  | <0.02 | 1.5 | 0.82 | 9.61  | 5.69  |
| 11CB0772A | Soil                             | 2.6  | 16.0 | 0.25 | 590.3 | 0.035 | <20 | 0.53 | 0.012 | 0.08 | <0.1 | 0.7 | 0.05  | 0.06  | 100 | 0.3  | <0.02 | 3.0 | 0.84 | 11.32 | 11.96 |
| 11CB0773A | Soil                             | 3.0  | 10.0 | 0.08 | 169.1 | 0.011 | <20 | 0.51 | 0.012 | 0.04 | <0.1 | 0.2 | 0.04  | 0.05  | 113 | 0.3  | 0.04  | 2.4 | 1.12 | 9.33  | 5.98  |
| 11CB0774A | Soil                             | 4.3  | 11.7 | 0.09 | 164.9 | 0.015 | <20 | 0.67 | 0.007 | 0.03 | <0.1 | 0.3 | 0.03  | 0.04  | 73  | 0.2  | 0.04  | 2.5 | 0.88 | 13.58 | 6.75  |
| 11CB0775A | Soil                             | 5.2  | 10.5 | 0.07 | 152.4 | 0.002 | <20 | 0.64 | 0.013 | 0.03 | <0.1 | 0.1 | 0.02  | 0.05  | 72  | 0.2  | 0.03  | 2.3 | 0.54 | 17.87 | 5.65  |
| 11CB0776A | Soil                             | 8.6  | 11.2 | 0.09 | 197.8 | 0.001 | <20 | 0.67 | 0.018 | 0.02 | <0.1 | 0.2 | 0.04  | 0.11  | 88  | 0.5  | 0.03  | 1.3 | 0.47 | 15.16 | 4.60  |
| 11CB0777A | Soil                             | 12.5 | 13.1 | 0.10 | 151.6 | 0.011 | <20 | 0.74 | 0.012 | 0.04 | <0.1 | 0.7 | 0.02  | 0.09  | 125 | 0.4  | 0.03  | 2.1 | 0.83 | 15.21 | 6.37  |
| 11CB0778A | Soil                             | 3.1  | 7.2  | 0.05 | 133.1 | 0.003 | <20 | 0.41 | 0.015 | 0.04 | <0.1 | 0.1 | <0.02 | 0.03  | 77  | 0.2  | <0.02 | 2.0 | 0.56 | 13.00 | 3.60  |
| 11CB0779A | Soil                             | 5.1  | 9.4  | 0.08 | 123.6 | 0.011 | <20 | 0.62 | 0.010 | 0.04 | <0.1 | 0.3 | 0.03  | 0.06  | 91  | 0.3  | <0.02 | 1.9 | 0.82 | 17.34 | 6.04  |
| 11CB0780A | Soil                             | 18.8 | 7.0  | 0.08 | 154.5 | 0.013 | <20 | 0.62 | 0.010 | 0.05 | <0.1 | 1.2 | 0.02  | 0.09  | 132 | 0.3  | <0.02 | 1.1 | 0.64 | 12.23 | 4.93  |
| 11CB0781A | Soil                             | 20.2 | 6.9  | 0.08 | 162.3 | 0.013 | <20 | 0.62 | 0.010 | 0.05 | <0.1 | 1.3 | 0.02  | 0.09  | 130 | 0.3  | <0.02 | 1.0 | 0.62 | 12.69 | 4.46  |
| 11CB0782A | Soil                             | 19.8 | 7.4  | 0.11 | 163.7 | 0.018 | <20 | 0.70 | 0.012 | 0.05 | <0.1 | 1.3 | 0.02  | 0.09  | 121 | 0.3  | <0.02 | 1.6 | 0.71 | 13.39 | 5.19  |
| 11CB0783A | Soil                             | 24.1 | 24.0 | 0.17 | 383.6 | 0.032 | <20 | 1.25 | 0.024 | 0.17 | <0.1 | 4.2 | 0.03  | <0.02 | 17  | 0.3  | 0.03  | 4.1 | 3.50 | 27.61 | 8.73  |
| 11CB0784A | Soil                             | 25.9 | 16.3 | 0.17 | 913.7 | 0.038 | <20 | 0.88 | 0.024 | 0.16 | <0.1 | 3.9 | 0.04  | 0.04  | 19  | 0.3  | 0.04  | 2.7 | 2.59 | 37.59 | 8.63  |
| 11CB0785A | Soil                             | 36.2 | 6.6  | 0.14 | 891.6 | 0.006 | <20 | 0.50 | 0.013 | 0.07 | <0.1 | 0.4 | 0.03  | 0.13  | 148 | 0.3  | <0.02 | 0.8 | 1.97 | 17.00 | 3.71  |
| 11CB0786A | Soil                             | 6.4  | 9.5  | 0.14 | 817.8 | 0.016 | <20 | 0.41 | 0.017 | 0.09 | <0.1 | 0.7 | 0.03  | 0.04  | 58  | 0.2  | <0.02 | 1.5 | 1.36 | 32.59 | 7.51  |
| 11CB0787A | Soil                             | 53.8 | 16.4 | 0.26 | 1410  | 0.015 | <20 | 1.16 | 0.016 | 0.06 | <0.1 | 2.9 | 0.06  | 0.12  | 144 | 0.3  | <0.02 | 1.9 | 3.36 | 33.69 | 10.07 |
| 11CB0788A | Soil                             | 20.6 | 8.9  | 0.10 | 671.4 | 0.011 | <20 | 0.37 | 0.014 | 0.04 | <0.1 | 1.6 | 0.02  | 0.14  | 132 | 0.4  | <0.02 | 0.6 | 4.00 | 16.59 | 6.33  |
| 11CB0789A | Soil                             | 13.5 | 10.6 | 0.20 | 424.2 | 0.018 | <20 | 0.53 | 0.013 | 0.03 | 0.3  | 1.2 | 0.04  | 0.11  | 98  | 0.2  | <0.02 | 1.7 | 5.77 | 11.99 | 3.86  |
| 11CB0790A | Soil                             | 10.2 | 6.2  | 0.08 | 551.7 | 0.011 | <20 | 0.29 | 0.016 | 0.03 | <0.1 | 1.3 | 0.02  | 0.11  | 120 | 0.3  | <0.02 | 0.5 | I.S. | I.S.  | I.S.  |
| 11CB0791A | Soil                             | 8.3  | 4.9  | 0.18 | 291.9 | 0.008 | <20 | 0.24 | 0.013 | 0.02 | <0.1 | 0.5 | 0.02  | 0.13  | 144 | 0.2  | 0.03  | 0.6 | I.S. | I.S.  | I.S.  |
| 11CB0792A | Soil                             | 19.5 | 5.2  | 0.15 | 312.1 | 0.009 | <20 | 0.35 | 0.013 | 0.02 | <0.1 | 1.1 | <0.02 | 0.14  | 109 | <0.1 | <0.02 | 0.5 | 2.77 | 14.29 | 2.49  |
| 11CB0793A | Soil                             | 20.3 | 8.7  | 0.19 | 239.2 | 0.018 | <20 | 0.49 | 0.012 | 0.04 | <0.1 | 0.9 | 0.03  | 0.11  | 100 | 0.2  | <0.02 | 1.4 | 1.55 | 17.60 | 5.12  |
| 11CB0794A | Soil                             | 19.5 | 11.4 | 0.18 | 232.4 | 0.016 | <20 | 0.67 | 0.011 | 0.04 | <0.1 | 0.8 | 0.04  | 0.09  | 96  | 0.2  | 0.03  | 2.1 | 1.59 | 29.34 | 7.25  |
| 11CB0795A | Soil                             | 21.0 | 9.5  | 0.10 | 248.4 | 0.007 | <20 | 0.53 | 0.013 | 0.04 | <0.1 | 0.4 | 0.03  | 0.09  | 89  | 0.2  | <0.02 | 1.2 | I.S. | I.S.  | I.S.  |



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**Project:** Mariposa  
**Report Date:** November 14, 2011

**Page:** 4 of 8 **Part** 3

## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       |
|-----------|----------------------------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|------------|------------|------------|
|           |                                  | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        | P          | La         | Cr         |
|           |                                  | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 | %<br>0.001 | ppm<br>0.5 | ppm<br>0.5 |
| 11CB0766A | Soil                             | 28.9       | 536      | 6.2        | 2.0        | 151      | 0.51      | 0.8        | 0.2        | 0.3        | <0.1       | 69.0       | 0.90        | 0.19        | 0.06        | 12       | 0.71      | 0.102      | 2.6        | 8.6        |
| 11CB0767A | Soil                             | 96.3       | 216      | 5.8        | 8.2        | 1069     | 0.95      | 2.1        | 0.2        | 0.7        | 0.1        | 108.4      | 0.98        | 0.20        | 0.13        | 29       | 1.30      | 0.068      | 5.2        | 9.8        |
| 11CB0768A | Soil                             | 47.3       | 329      | 10.5       | 15.4       | 3388     | 1.41      | 1.6        | 0.4        | 1.0        | 0.2        | 94.2       | 0.78        | 0.24        | 0.12        | 37       | 0.86      | 0.102      | 6.5        | 16.5       |
| 11CB0769A | Soil                             | 47.3       | 716      | 15.5       | 7.8        | 4227     | 1.45      | 2.3        | 0.2        | 0.4        | 0.3        | 55.6       | 0.86        | 0.25        | 0.12        | 37       | 0.49      | 0.092      | 5.3        | 16.1       |
| 11CB0770A | Soil                             | 38.8       | 392      | 10.1       | 12.1       | 2660     | 1.85      | 3.4        | 0.3        | 5.1        | 0.2        | 47.9       | 0.35        | 0.30        | 0.17        | 48       | 0.31      | 0.088      | 6.8        | 18.7       |
| 11CB0771A | Soil                             | 94.2       | 536      | 7.5        | 12.2       | 3155     | 0.96      | 1.5        | 0.1        | 0.5        | 0.1        | 210.7      | 1.02        | 0.23        | 0.10        | 22       | 1.37      | 0.126      | 3.0        | 11.2       |
| 11CB0772A | Soil                             | 98.4       | 218      | 11.4       | 7.8        | 1726     | 1.45      | 2.0        | 0.1        | 0.9        | 0.3        | 137.7      | 1.17        | 0.28        | 0.21        | 33       | 0.99      | 0.098      | 3.6        | 17.5       |
| 11CB0773A | Soil                             | 19.6       | 241      | 6.0        | 1.9        | 101      | 0.97      | 2.4        | 0.2        | 1.3        | <0.1       | 20.4       | 0.28        | 0.26        | 0.16        | 27       | 0.12      | 0.084      | 4.4        | 11.1       |
| 11CB0774A | Soil                             | 17.6       | 111      | 7.1        | 2.2        | 71       | 1.11      | 2.7        | 0.3        | 0.7        | <0.1       | 23.3       | 0.27        | 0.19        | 0.14        | 25       | 0.15      | 0.071      | 5.7        | 13.5       |
| 11CB0775A | Soil                             | 14.5       | 101      | 6.6        | 1.7        | 48       | 0.94      | 1.0        | 0.5        | 1.0        | <0.1       | 59.5       | 0.26        | 0.13        | 0.10        | 18       | 0.16      | 0.081      | 6.3        | 11.9       |
| 11CB0776A | Soil                             | 22.9       | 248      | 6.9        | 3.1        | 336      | 0.87      | 0.8        | 0.9        | 2.2        | <0.1       | 116.9      | 0.31        | 0.17        | 0.07        | 11       | 0.61      | 0.160      | 9.0        | 10.3       |
| 11CB0777A | Soil                             | 23.3       | 279      | 8.7        | 3.4        | 56       | 0.99      | 1.4        | 1.0        | 1.1        | <0.1       | 55.9       | 0.33        | 0.18        | 0.07        | 15       | 0.22      | 0.106      | 13.3       | 13.1       |
| 11CB0778A | Soil                             | 14.1       | 190      | 4.9        | 1.6        | 54       | 0.60      | 0.8        | 0.2        | 0.6        | <0.1       | 38.1       | 0.33        | 0.12        | 0.07        | 16       | 0.17      | 0.061      | 4.1        | 8.2        |
| 11CB0779A | Soil                             | 17.0       | 384      | 7.9        | 2.8        | 53       | 0.89      | 1.8        | 0.4        | 1.8        | <0.1       | 32.0       | 0.36        | 0.17        | 0.15        | 15       | 0.17      | 0.083      | 5.3        | 10.4       |
| 11CB0780A | Soil                             | 15.0       | 314      | 5.6        | 3.1        | 57       | 1.02      | 1.4        | 1.0        | 0.7        | 0.1        | 45.1       | 0.26        | 0.19        | 0.10        | 11       | 0.24      | 0.107      | 18.9       | 7.6        |
| 11CB0781A | Soil                             | 14.7       | 322      | 5.7        | 2.8        | 52       | 1.00      | 1.3        | 1.0        | <0.2       | 0.1        | 45.1       | 0.19        | 0.16        | 0.07        | 11       | 0.26      | 0.105      | 18.7       | 6.4        |
| 11CB0782A | Soil                             | 19.8       | 302      | 6.9        | 3.5        | 81       | 1.25      | 1.7        | 1.0        | <0.2       | 0.2        | 51.8       | 0.25        | 0.20        | 0.09        | 17       | 0.29      | 0.117      | 20.3       | 8.7        |
| 11CB0783A | Soil                             | 38.9       | 620      | 12.8       | 4.5        | 209      | 1.72      | 2.5        | 1.3        | 3.2        | 3.2        | 35.3       | 0.48        | 0.23        | 0.20        | 27       | 0.43      | 0.328      | 23.2       | 27.2       |
| 11CB0784A | Soil                             | 195.2      | 1083     | 17.7       | 5.2        | 1987     | 1.39      | 2.2        | 1.0        | 0.6        | 2.3        | 68.4       | 1.48        | 0.27        | 0.15        | 23       | 1.25      | 0.381      | 23.9       | 17.9       |
| 11CB0785A | Soil                             | 44.9       | 245      | 10.0       | 3.5        | 346      | 0.66      | 1.4        | 0.7        | 0.2        | <0.1       | 53.3       | 0.59        | 0.23        | 0.06        | 9        | 0.91      | 0.123      | 34.2       | 7.8        |
| 11CB0786A | Soil                             | 161.2      | 1247     | 18.1       | 5.1        | 2557     | 0.86      | 1.6        | 0.3        | <0.2       | 0.1        | 51.0       | 1.78        | 0.21        | 0.11        | 16       | 0.94      | 0.221      | 6.8        | 11.6       |
| 11CB0787A | Soil                             | 42.0       | 344      | 17.6       | 6.9        | 459      | 1.60      | 3.5        | 2.1        | 5.1        | 1.5        | 98.4       | 0.30        | 0.69        | 0.13        | 20       | 1.61      | 0.120      | 60.9       | 20.8       |
| 11CB0788A | Soil                             | 17.3       | 150      | 8.5        | 8.6        | 561      | 1.01      | 1.1        | 1.8        | 2.3        | 1.1        | 45.8       | 0.16        | 0.28        | 0.06        | 8        | 0.71      | 0.127      | 20.7       | 10.5       |
| 11CB0789A | Soil                             | 25.5       | 83       | 8.0        | 8.6        | 505      | 1.04      | 1.9        | 1.2        | 0.9        | 0.7        | 54.2       | 0.11        | 0.27        | 0.07        | 16       | 0.98      | 0.080      | 12.4       | 10.9       |
| 11CB0790A | Soil                             | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       |
| 11CB0791A | Soil                             | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       |
| 11CB0792A | Soil                             | 17.5       | 174      | 7.1        | 8.1        | 420      | 1.17      | 1.2        | 1.7        | <0.2       | 1.0        | 70.5       | 0.16        | 0.38        | 0.05        | 7        | 1.33      | 0.104      | 21.5       | 6.3        |
| 11CB0793A | Soil                             | 28.8       | 93       | 8.5        | 4.2        | 253      | 0.71      | 1.3        | 0.8        | <0.2       | 0.6        | 50.3       | 0.20        | 0.20        | 0.05        | 11       | 0.95      | 0.071      | 19.6       | 8.6        |
| 11CB0794A | Soil                             | 34.9       | 220      | 10.9       | 5.2        | 134      | 1.49      | 3.1        | 1.5        | 3.7        | 0.3        | 31.2       | 0.29        | 0.28        | 0.13        | 19       | 0.42      | 0.097      | 21.4       | 13.3       |
| 11CB0795A | Soil                             | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       |



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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|
|           |                                  | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  |
| 11CB0766A | Soil                             | 154.7 | 0.008 | 2    | 0.34 | 0.018 | 0.08 | <0.1 | 0.3  | 0.03  | 0.10  | 165  | 0.3  | <0.02 |
| 11CB0767A | Soil                             | 306.7 | 0.025 | 3    | 0.63 | 0.015 | 0.07 | <0.1 | 0.8  | 0.07  | 0.06  | 83   | 0.1  | <0.02 |
| 11CB0768A | Soil                             | 288.2 | 0.038 | 2    | 1.15 | 0.018 | 0.09 | <0.1 | 2.0  | 0.08  | 0.06  | 137  | 0.2  | <0.02 |
| 11CB0769A | Soil                             | 679.9 | 0.033 | 2    | 0.78 | 0.019 | 0.08 | <0.1 | 1.5  | 0.07  | 0.05  | 90   | 0.1  | <0.02 |
| 11CB0770A | Soil                             | 304.5 | 0.028 | 2    | 0.93 | 0.013 | 0.08 | <0.1 | 1.1  | 0.09  | 0.04  | 89   | 0.2  | 0.02  |
| 11CB0771A | Soil                             | 446.1 | 0.021 | 4    | 0.41 | 0.017 | 0.13 | <0.1 | 0.7  | 0.07  | 0.10  | 141  | 0.2  | <0.02 |
| 11CB0772A | Soil                             | 625.7 | 0.035 | 2    | 0.67 | 0.015 | 0.09 | <0.1 | 1.2  | 0.06  | 0.06  | 118  | 0.3  | <0.02 |
| 11CB0773A | Soil                             | 196.2 | 0.012 | 1    | 0.59 | 0.013 | 0.05 | <0.1 | 0.3  | 0.07  | 0.06  | 110  | 0.2  | 0.02  |
| 11CB0774A | Soil                             | 192.1 | 0.015 | <1   | 0.77 | 0.010 | 0.04 | <0.1 | 0.5  | 0.05  | 0.05  | 95   | 0.3  | 0.03  |
| 11CB0775A | Soil                             | 170.1 | 0.003 | <1   | 0.70 | 0.016 | 0.03 | <0.1 | 0.2  | 0.04  | 0.05  | 73   | 0.2  | 0.03  |
| 11CB0776A | Soil                             | 208.6 | 0.002 | 2    | 0.68 | 0.018 | 0.02 | <0.1 | 0.2  | 0.05  | 0.11  | 80   | 0.4  | <0.02 |
| 11CB0777A | Soil                             | 170.1 | 0.011 | 2    | 0.78 | 0.013 | 0.05 | <0.1 | 0.9  | 0.03  | 0.09  | 100  | 0.3  | 0.02  |
| 11CB0778A | Soil                             | 149.7 | 0.005 | 1    | 0.44 | 0.018 | 0.04 | <0.1 | 0.2  | 0.03  | 0.04  | 72   | 0.2  | <0.02 |
| 11CB0779A | Soil                             | 122.2 | 0.010 | 1    | 0.67 | 0.011 | 0.05 | <0.1 | 0.4  | 0.03  | 0.05  | 105  | 0.3  | 0.04  |
| 11CB0780A | Soil                             | 145.6 | 0.020 | 3    | 0.69 | 0.010 | 0.06 | <0.1 | 1.6  | 0.03  | 0.09  | 124  | 0.4  | <0.02 |
| 11CB0781A | Soil                             | 142.7 | 0.016 | 2    | 0.64 | 0.011 | 0.05 | <0.1 | 1.5  | 0.02  | 0.09  | 115  | 0.4  | <0.02 |
| 11CB0782A | Soil                             | 162.7 | 0.026 | 2    | 0.81 | 0.013 | 0.06 | <0.1 | 2.0  | 0.03  | 0.10  | 132  | 0.6  | <0.02 |
| 11CB0783A | Soil                             | 358.2 | 0.038 | 2    | 1.36 | 0.025 | 0.18 | <0.1 | 4.6  | 0.05  | <0.02 | 10   | 0.3  | 0.05  |
| 11CB0784A | Soil                             | 883.0 | 0.040 | 4    | 0.84 | 0.024 | 0.16 | <0.1 | 4.1  | 0.02  | 0.04  | 19   | 0.3  | <0.02 |
| 11CB0785A | Soil                             | 888.9 | 0.009 | 3    | 0.55 | 0.014 | 0.07 | <0.1 | 0.6  | 0.02  | 0.13  | 149  | 0.5  | <0.02 |
| 11CB0786A | Soil                             | 865.4 | 0.021 | 3    | 0.47 | 0.019 | 0.10 | <0.1 | 0.8  | 0.03  | 0.05  | 55   | 0.3  | 0.03  |
| 11CB0787A | Soil                             | 1726  | 0.028 | 5    | 1.47 | 0.017 | 0.08 | 0.1  | 5.1  | 0.07  | 0.14  | 153  | 0.9  | 0.04  |
| 11CB0788A | Soil                             | 719.3 | 0.016 | 4    | 0.44 | 0.016 | 0.05 | <0.1 | 2.3  | 0.03  | 0.15  | 129  | 0.7  | <0.02 |
| 11CB0789A | Soil                             | 408.9 | 0.021 | 2    | 0.57 | 0.015 | 0.03 | <0.1 | 1.6  | 0.04  | 0.12  | 94   | 0.4  | 0.02  |
| 11CB0790A | Soil                             | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0791A | Soil                             | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0792A | Soil                             | 334.1 | 0.015 | 3    | 0.42 | 0.015 | 0.03 | <0.1 | 1.9  | <0.02 | 0.17  | 107  | 0.5  | <0.02 |
| 11CB0793A | Soil                             | 217.0 | 0.025 | 3    | 0.47 | 0.013 | 0.04 | 0.1  | 1.2  | 0.03  | 0.11  | 97   | 0.5  | 0.03  |
| 11CB0794A | Soil                             | 266.4 | 0.022 | 3    | 0.70 | 0.012 | 0.04 | 0.1  | 1.2  | 0.08  | 0.11  | 94   | 0.7  | 0.03  |
| 11CB0795A | Soil                             | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  |



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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11CB0796A | Soil                             | 1.19        | 24.57       | 4.44        | 26.4       | 151      | 10.4       | 4.6        | 103      | 1.20      | 3.3        | 1.7        | 1.6        | 0.2        | 34.4       | 0.37        | 0.26        | 0.05        | 11       | 0.36      |
| 11CB0797A | Soil                             | 0.95        | 8.76        | 5.95        | 20.9       | 75       | 8.3        | 4.1        | 98       | 0.88      | 2.4        | 1.0        | 1.5        | 0.4        | 43.6       | 0.18        | 0.29        | 0.04        | 8        | 0.47      |
| 11CB0798A | Soil                             | 0.95        | 17.09       | 4.36        | 22.4       | 250      | 9.0        | 4.0        | 57       | 0.84      | 2.9        | 1.5        | 1.1        | 0.3        | 37.3       | 0.39        | 0.23        | 0.06        | 11       | 0.36      |
| 11CB0799A | Soil                             | 0.78        | 26.00       | 6.84        | 30.9       | 406      | 11.1       | 3.9        | 113      | 1.37      | 4.0        | 1.2        | 0.7        | 0.8        | 33.1       | 0.42        | 0.25        | 0.11        | 27       | 0.24      |
| 11CB0800A | Soil                             | 0.86        | 14.14       | 4.25        | 20.6       | 231      | 7.3        | 2.8        | 68       | 0.99      | 2.9        | 1.1        | 1.1        | 0.2        | 32.1       | 0.36        | 0.21        | 0.06        | 13       | 0.34      |
| 11CB0801A | Soil                             | 0.96        | 13.17       | 4.24        | 19.0       | 205      | 6.9        | 2.9        | 75       | 0.97      | 2.8        | 1.1        | 0.6        | 0.2        | 36.6       | 0.38        | 0.20        | 0.04        | 9        | 0.39      |
| 11CB0802A | Soil                             | 0.64        | 15.45       | 3.48        | 30.0       | 110      | 6.8        | 1.9        | 144      | 0.60      | 2.5        | 0.2        | 0.8        | <0.1       | 20.5       | 0.67        | 0.19        | 0.06        | 14       | 0.10      |
| 11CB0803A | Soil                             | 0.52        | 10.94       | 5.72        | 15.1       | 106      | 3.7        | 1.2        | 31       | 0.59      | 1.3        | 0.4        | 0.3        | <0.1       | 13.2       | 0.24        | 0.13        | 0.08        | 14       | 0.05      |
| 11CB0804A | Soil                             | 0.75        | 10.89       | 3.77        | 15.9       | 57       | 4.0        | 1.2        | 36       | 0.56      | 0.8        | 0.2        | 3.0        | <0.1       | 12.0       | 0.23        | 0.16        | 0.08        | 14       | 0.04      |
| 11CB0805A | Soil                             | 0.55        | 7.67        | 4.51        | 16.6       | 58       | 5.5        | 1.7        | 57       | 0.61      | 2.1        | 0.2        | 0.4        | <0.1       | 19.2       | 0.41        | 0.17        | 0.05        | 14       | 0.15      |
| 11CB0806A | Soil                             | 0.47        | 30.93       | 9.76        | 17.9       | 110      | 8.8        | 2.9        | 42       | 1.22      | 1.9        | 1.9        | 0.8        | 0.1        | 19.7       | 0.30        | 0.14        | 0.12        | 18       | 0.09      |
| 11CB0807A | Soil                             | 0.63        | 10.81       | 3.35        | 16.6       | 226      | 6.4        | 1.7        | 75       | 0.61      | 2.3        | 1.2        | 0.7        | 0.1        | 46.7       | 0.29        | 0.19        | 0.04        | 7        | 0.37      |
| 11AN0001A | Soil                             | 0.88        | 14.62       | 7.02        | 23.2       | 752      | 10.6       | 3.6        | 128      | 0.92      | 2.6        | 0.5        | 0.8        | <0.1       | 24.3       | 0.47        | 0.19        | 0.10        | 17       | 0.18      |
| 11AN0002A | Soil                             | 0.58        | 15.39       | 6.86        | 131.2      | 237      | 13.1       | 6.5        | 3782     | 1.25      | 3.9        | 0.2        | 0.6        | <0.1       | 68.7       | 2.37        | 0.28        | 0.12        | 31       | 0.88      |
| 11AN0003A | Soil                             | 0.81        | 15.19       | 5.33        | 18.8       | 130      | 8.4        | 2.9        | 61       | 0.86      | 3.1        | 0.3        | 0.5        | <0.1       | 16.0       | 0.42        | 0.18        | 0.11        | 22       | 0.11      |
| 11AN0004A | Soil                             | 1.85        | 17.13       | 8.04        | 28.8       | 419      | 8.9        | 2.6        | 110      | 0.83      | 2.3        | 0.5        | 0.9        | <0.1       | 18.4       | 0.50        | 0.24        | 0.09        | 20       | 0.15      |
| 11AN0005A | Soil                             | 1.96        | 12.37       | 1.25        | 20.1       | 106      | 5.4        | 2.2        | 136      | 0.35      | 1.8        | 0.9        | 0.7        | 0.2        | 97.3       | 0.30        | 0.25        | 0.03        | 7        | 2.25      |
| 11AN0006A | Soil                             | 2.57        | 27.65       | 4.73        | 26.8       | 104      | 13.9       | 4.0        | 93       | 1.09      | 2.0        | 0.6        | 0.3        | 0.5        | 33.0       | 0.46        | 0.17        | 0.08        | 22       | 0.34      |
| 11AN0007A | Soil                             | 1.19        | 26.21       | 3.26        | 18.2       | 226      | 6.9        | 2.3        | 89       | 0.90      | 2.1        | 1.6        | 0.3        | 0.3        | 39.7       | 0.31        | 0.15        | 0.04        | 7        | 0.45      |
| 11AN0008A | Soil                             | 6.48        | 27.65       | 8.28        | 63.0       | 277      | 11.5       | 11.4       | 1691     | 2.00      | 3.8        | 4.0        | 2.8        | 1.6        | 127.6      | 0.32        | 0.33        | 0.14        | 33       | 1.88      |
| 11AN0009A | Soil                             | 3.68        | 21.78       | 6.33        | 37.3       | 286      | 8.6        | 4.2        | 132      | 1.87      | 3.8        | 1.5        | 3.3        | 0.6        | 30.1       | 0.19        | 0.18        | 0.15        | 31       | 0.33      |
| 11AN0010A | Soil                             | 1.35        | 10.98       | 5.55        | 53.8       | 105      | 9.3        | 5.7        | 205      | 1.89      | 3.3        | 0.8        | 1.0        | 1.2        | 23.9       | 0.12        | 0.19        | 0.10        | 31       | 0.30      |
| 11AN0011A | Soil                             | 0.87        | 12.87       | 7.38        | 23.1       | 186      | 16.0       | 3.6        | 99       | 1.16      | 3.0        | 0.3        | 1.2        | 0.4        | 10.5       | 0.09        | 0.24        | 0.18        | 43       | 0.09      |
| 11AN0012A | Soil                             | 0.79        | 13.63       | 8.56        | 24.5       | 198      | 6.1        | 1.6        | 61       | 0.88      | 1.8        | 0.6        | 8.0        | 0.1        | 15.5       | 0.17        | 0.17        | 0.10        | 20       | 0.12      |
| 11AN0013A | Soil                             | 0.49        | 34.57       | 3.49        | 17.3       | 246      | 20.6       | 7.0        | 115      | 1.42      | 2.0        | 0.2        | 0.5        | <0.1       | 24.9       | 0.30        | 0.11        | 0.09        | 43       | 0.32      |
| 11AN0014A | Soil                             | 0.47        | 45.30       | 8.96        | 23.0       | 274      | 21.2       | 3.8        | 70       | 1.28      | 2.4        | 1.4        | 0.8        | <0.1       | 26.6       | 0.29        | 0.12        | 0.11        | 24       | 0.26      |
| 11AN0015A | Soil                             | 0.53        | 9.84        | 7.23        | 29.8       | 71       | 8.4        | 3.9        | 122      | 1.42      | 3.3        | 0.4        | 0.4        | 0.5        | 15.8       | 0.31        | 0.15        | 0.14        | 46       | 0.11      |
| 11AN0016A | Soil                             | 0.47        | 13.16       | 5.74        | 20.3       | 334      | 5.9        | 1.8        | 41       | 0.66      | 1.7        | 0.3        | 0.5        | <0.1       | 38.5       | 0.35        | 0.09        | 0.11        | 15       | 0.35      |
| 11AN0017A | Soil                             | 0.63        | 8.05        | 6.49        | 18.1       | 161      | 6.2        | 2.2        | 81       | 0.97      | 4.2        | 0.2        | 2.1        | <0.1       | 34.5       | 0.19        | 0.13        | 0.16        | 31       | 0.27      |
| 11AN0018A | Soil                             | 0.48        | 7.83        | 7.84        | 15.0       | 78       | 6.2        | 2.3        | 54       | 1.01      | 3.5        | 0.2        | 1.2        | <0.1       | 18.7       | 0.20        | 0.14        | 0.14        | 28       | 0.10      |



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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F         | 1F         | 1F        | 1F         | 1F         | 1F        | 1F        | 1F         | 1F        | 1F         | 1F         | 1F          | 1F        | 1F       | 1F         | 1F          | 1F         | 1F15        | 1F15        | 1F15        |
|-----------|----------------------------------|------------|------------|-----------|------------|------------|-----------|-----------|------------|-----------|------------|------------|-------------|-----------|----------|------------|-------------|------------|-------------|-------------|-------------|
|           |                                  | La         | Cr         | Mg        | Ba         | Ti         | B         | Al        | Na         | K         | W          | Sc         | Tl          | S         | Hg       | Se         | Te          | Ga         | Mo          | Cu          | Pb          |
|           |                                  | ppm<br>0.5 | ppm<br>0.5 | %<br>0.01 | ppm<br>0.5 | %<br>0.001 | ppm<br>20 | %<br>0.01 | %<br>0.001 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.02 | %<br>0.02 | ppb<br>5 | ppm<br>0.1 | ppm<br>0.02 | ppm<br>0.1 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 |
| 11CB0796A | Soil                             | 25.9       | 8.6        | 0.11      | 278.0      | 0.010      | <20       | 0.61      | 0.010      | 0.04      | <0.1       | 0.7        | 0.03        | 0.09      | 90       | 0.3        | 0.04        | 1.2        | 1.42        | 25.02       | 4.86        |
| 11CB0797A | Soil                             | 21.8       | 10.3       | 0.12      | 274.2      | 0.014      | <20       | 0.50      | 0.010      | 0.03      | <0.1       | 1.1        | 0.04        | 0.09      | 118      | 0.2        | <0.02       | 1.1        | 1.06        | 9.45        | 5.01        |
| 11CB0798A | Soil                             | 66.2       | 10.7       | 0.09      | 359.4      | 0.013      | <20       | 0.56      | 0.011      | 0.04      | <0.1       | 1.0        | 0.03        | 0.09      | 95       | 0.2        | <0.02       | 1.3        | 1.18        | 20.01       | 4.70        |
| 11CB0799A | Soil                             | 55.5       | 14.9       | 0.18      | 376.8      | 0.036      | <20       | 1.03      | 0.009      | 0.05      | <0.1       | 2.2        | 0.04        | 0.04      | 60       | 0.2        | <0.02       | 3.4        | 1.01        | 28.85       | 7.73        |
| 11CB0800A | Soil                             | 39.7       | 9.6        | 0.10      | 266.8      | 0.014      | <20       | 0.63      | 0.011      | 0.06      | <0.1       | 1.0        | 0.03        | 0.09      | 107      | 0.2        | <0.02       | 1.5        | 0.98        | 14.48       | 4.16        |
| 11CB0801A | Soil                             | 46.9       | 8.2        | 0.09      | 301.5      | 0.010      | <20       | 0.56      | 0.009      | 0.06      | <0.1       | 1.0        | 0.03        | 0.11      | 139      | 0.2        | <0.02       | 1.0        | 1.12        | 14.04       | 6.01        |
| 11CB0802A | Soil                             | 2.8        | 7.8        | 0.07      | 267.2      | 0.012      | <20       | 0.27      | 0.018      | 0.06      | <0.1       | 0.4        | 0.03        | 0.04      | 79       | 0.3        | 0.02        | 1.3        | 0.84        | 17.35       | 3.59        |
| 11CB0803A | Soil                             | 5.1        | 9.1        | 0.05      | 155.9      | 0.017      | <20       | 0.34      | 0.014      | 0.03      | <0.1       | 0.6        | 0.02        | 0.03      | 63       | 0.2        | 0.02        | 1.9        | 0.57        | 11.78       | 5.86        |
| 11CB0804A | Soil                             | 3.2        | 8.9        | 0.04      | 123.8      | 0.005      | <20       | 0.32      | 0.014      | 0.03      | <0.1       | 0.1        | 0.03        | 0.03      | 66       | 0.2        | <0.02       | 1.8        | 0.87        | 11.73       | 3.54        |
| 11CB0805A | Soil                             | 2.8        | 7.7        | 0.05      | 162.0      | 0.012      | <20       | 0.31      | 0.008      | 0.05      | <0.1       | 0.3        | <0.02       | 0.04      | 92       | 0.2        | <0.02       | 1.2        | 0.70        | 8.58        | 4.63        |
| 11CB0806A | Soil                             | 28.2       | 16.1       | 0.10      | 215.5      | 0.013      | <20       | 0.98      | 0.010      | 0.03      | <0.1       | 0.4        | 0.04        | 0.04      | 72       | 0.3        | <0.02       | 2.9        | 0.60        | 34.79       | 10.33       |
| 11CB0807A | Soil                             | 14.4       | 8.6        | 0.06      | 321.8      | 0.008      | <20       | 0.39      | 0.011      | 0.04      | <0.1       | 0.6        | <0.02       | 0.10      | 126      | 0.2        | <0.02       | 0.8        | 0.83        | 12.56       | 3.42        |
| 11AN0001A | Soil                             | 9.0        | 12.2       | 0.10      | 310.8      | 0.002      | <20       | 0.71      | 0.011      | 0.05      | <0.1       | 0.1        | 0.05        | 0.06      | 81       | 0.3        | <0.02       | 2.3        | 1.13        | 16.24       | 7.22        |
| 11AN0002A | Soil                             | 4.3        | 10.8       | 0.17      | 495.7      | 0.026      | <20       | 0.47      | 0.012      | 0.08      | <0.1       | 0.6        | 0.07        | 0.06      | 111      | 0.2        | <0.02       | 2.8        | 0.89        | 17.69       | 7.43        |
| 11AN0003A | Soil                             | 4.9        | 12.1       | 0.06      | 166.8      | 0.005      | <20       | 0.64      | 0.008      | 0.04      | <0.1       | 0.2        | 0.03        | 0.04      | 67       | 0.2        | <0.02       | 2.6        | 1.01        | 16.49       | 5.51        |
| 11AN0004A | Soil                             | 7.2        | 12.0       | 0.07      | 226.8      | 0.002      | <20       | 0.55      | 0.011      | 0.05      | <0.1       | 0.1        | 0.04        | 0.05      | 94       | 0.1        | 0.03        | 2.2        | 2.32        | 19.21       | 8.51        |
| 11AN0005A | Soil                             | 6.2        | 7.6        | 0.28      | 380.3      | 0.010      | <20       | 0.31      | 0.019      | 0.02      | <0.1       | 0.6        | 0.03        | 0.16      | 109      | 0.3        | <0.02       | 0.7        | 2.23        | 12.46       | 1.39        |
| 11AN0006A | Soil                             | 10.0       | 24.9       | 0.20      | 248.3      | 0.032      | <20       | 0.58      | 0.014      | 0.07      | <0.1       | 1.3        | 0.06        | 0.07      | 98       | <0.1       | 0.03        | 2.5        | 3.51        | 33.82       | 6.00        |
| 11AN0007A | Soil                             | 28.0       | 12.3       | 0.09      | 276.9      | 0.015      | <20       | 0.50      | 0.016      | 0.03      | <0.1       | 1.1        | 0.03        | 0.11      | 73       | 0.2        | <0.02       | 1.2        | 1.61        | 31.89       | 4.18        |
| 11AN0008A | Soil                             | 40.5       | 16.4       | 0.39      | 367.8      | 0.044      | <20       | 1.03      | 0.012      | 0.06      | <0.1       | 2.1        | 0.11        | 0.12      | 104      | 0.3        | 0.06        | 3.3        | 6.32        | 22.39       | 6.75        |
| 11AN0009A | Soil                             | 14.5       | 14.5       | 0.24      | 151.0      | 0.026      | <20       | 0.76      | 0.011      | 0.04      | <0.1       | 1.1        | 0.07        | 0.08      | 64       | 0.2        | 0.04        | 3.3        | 3.46        | 17.77       | 5.99        |
| 11AN0010A | Soil                             | 13.1       | 15.8       | 0.35      | 155.4      | 0.054      | <20       | 1.11      | 0.009      | 0.06      | 0.2        | 1.9        | 0.11        | 0.06      | 61       | 0.2        | <0.02       | 4.6        | 1.32        | 8.72        | 5.37        |
| 11AN0011A | Soil                             | 6.3        | 36.0       | 0.25      | 86.4       | 0.065      | <20       | 0.66      | 0.009      | 0.03      | <0.1       | 1.1        | 0.11        | <0.02     | 35       | 0.1        | 0.03        | 4.9        | 0.83        | 10.25       | 6.51        |
| 11AN0012A | Soil                             | 12.2       | 12.5       | 0.08      | 122.9      | 0.019      | <20       | 0.53      | 0.009      | 0.05      | 0.2        | 0.7        | 0.05        | 0.04      | 81       | 0.2        | 0.04        | 2.8        | 0.78        | 11.32       | 7.41        |
| 11AN0013A | Soil                             | 3.2        | 21.0       | 0.47      | 116.4      | 0.053      | <20       | 0.79      | 0.040      | 0.04      | <0.1       | 0.9        | 0.04        | 0.03      | 44       | 0.2        | 0.04        | 4.2        | 0.42        | 27.47       | 2.98        |
| 11AN0014A | Soil                             | 19.2       | 26.0       | 0.28      | 269.7      | 0.016      | <20       | 0.85      | 0.012      | 0.04      | <0.1       | 0.8        | 0.07        | 0.04      | 55       | 0.1        | <0.02       | 3.3        | 0.45        | 35.45       | 7.80        |
| 11AN0015A | Soil                             | 8.5        | 16.8       | 0.25      | 147.9      | 0.036      | <20       | 1.13      | 0.008      | 0.04      | <0.1       | 2.0        | 0.08        | <0.02     | 29       | <0.1       | <0.02       | 6.0        | 0.55        | 8.49        | 6.53        |
| 11AN0016A | Soil                             | 4.8        | 10.4       | 0.09      | 184.6      | 0.004      | <20       | 0.59      | 0.012      | 0.04      | <0.1       | 0.3        | 0.04        | 0.04      | 67       | 0.2        | 0.02        | 2.4        | 0.46        | 10.27       | 5.13        |
| 11AN0017A | Soil                             | 5.2        | 13.2       | 0.14      | 133.5      | 0.011      | <20       | 0.66      | 0.008      | 0.04      | <0.1       | 0.2        | 0.06        | 0.03      | 41       | 0.2        | 0.02        | 4.3        | 0.65        | 6.95        | 6.20        |
| 11AN0018A | Soil                             | 5.4        | 13.6       | 0.12      | 130.1      | 0.012      | <20       | 0.74      | 0.008      | 0.03      | <0.1       | 0.2        | 0.05        | <0.02     | 28       | 0.1        | <0.02       | 3.9        | 0.49        | 6.91        | 6.54        |



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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       |
|-----------|----------------------------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|------------|------------|------------|
|           |                                  | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        | P          | La         | Cr         |
|           |                                  | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 | %<br>0.001 | ppm<br>0.5 | ppm<br>0.5 |
| 11CB0796A | Soil                             | 28.9       | 158      | 11.8       | 5.5        | 105      | 1.25      | 1.7        | 1.6        | 0.9        | 0.2        | 34.3       | 0.43        | 0.26        | 0.07        | 12       | 0.39      | 0.111      | 26.6       | 9.0        |
| 11CB0797A | Soil                             | 22.0       | 79       | 9.0        | 4.8        | 98       | 0.98      | 1.7        | 0.9        | 0.7        | 0.4        | 39.0       | 0.20        | 0.28        | 0.06        | 9        | 0.49      | 0.102      | 21.2       | 9.9        |
| 11CB0798A | Soil                             | 25.5       | 267      | 10.7       | 5.0        | 64       | 0.95      | 1.3        | 1.6        | 3.2        | 0.4        | 38.3       | 0.44        | 0.27        | 0.07        | 13       | 0.43      | 0.095      | 71.0       | 12.2       |
| 11CB0799A | Soil                             | 35.4       | 429      | 13.1       | 4.8        | 120      | 1.50      | 3.1        | 1.2        | 0.3        | 1.1        | 33.1       | 0.46        | 0.27        | 0.13        | 31       | 0.27      | 0.059      | 58.7       | 17.3       |
| 11CB0800A | Soil                             | 23.0       | 231      | 8.0        | 3.3        | 70       | 1.06      | 1.4        | 1.0        | 0.9        | 0.3        | 30.9       | 0.33        | 0.23        | 0.07        | 14       | 0.33      | 0.112      | 40.6       | 10.4       |
| 11CB0801A | Soil                             | 21.3       | 199      | 7.9        | 3.3        | 79       | 1.01      | 1.4        | 1.0        | 0.2        | 0.2        | 34.7       | 0.43        | 0.22        | 0.06        | 10       | 0.42      | 0.140      | 46.8       | 8.9        |
| 11CB0802A | Soil                             | 33.1       | 121      | 7.6        | 2.3        | 152      | 0.59      | 1.4        | 0.2        | 0.7        | <0.1       | 20.6       | 0.70        | 0.22        | 0.07        | 14       | 0.12      | 0.085      | 3.4        | 9.1        |
| 11CB0803A | Soil                             | 16.3       | 114      | 4.3        | 1.3        | 36       | 0.60      | 1.1        | 0.4        | 0.5        | 0.1        | 13.9       | 0.25        | 0.14        | 0.09        | 15       | 0.07      | 0.044      | 5.6        | 10.0       |
| 11CB0804A | Soil                             | 16.6       | 63       | 4.6        | 1.3        | 39       | 0.57      | 0.9        | 0.2        | 0.8        | <0.1       | 12.4       | 0.25        | 0.17        | 0.09        | 15       | 0.05      | 0.049      | 3.7        | 9.3        |
| 11CB0805A | Soil                             | 18.9       | 68       | 6.7        | 2.2        | 64       | 0.64      | 1.9        | 0.2        | <0.2       | <0.1       | 20.7       | 0.44        | 0.18        | 0.07        | 16       | 0.16      | 0.070      | 3.5        | 9.0        |
| 11CB0806A | Soil                             | 20.5       | 127      | 10.4       | 3.8        | 47       | 1.34      | 2.0        | 1.8        | 0.5        | 0.2        | 20.4       | 0.32        | 0.15        | 0.13        | 21       | 0.12      | 0.060      | 28.9       | 16.9       |
| 11CB0807A | Soil                             | 19.2       | 253      | 7.8        | 2.1        | 83       | 0.66      | 0.9        | 1.2        | 0.3        | 0.1        | 48.9       | 0.30        | 0.19        | 0.06        | 8        | 0.41      | 0.112      | 15.5       | 9.2        |
| 11AN0001A | Soil                             | 25.9       | 762      | 12.3       | 4.4        | 145      | 1.01      | 1.6        | 0.5        | 0.4        | <0.1       | 25.5       | 0.52        | 0.22        | 0.11        | 20       | 0.22      | 0.132      | 9.5        | 13.9       |
| 11AN0002A | Soil                             | 145.7      | 279      | 16.0       | 7.8        | 4118     | 1.38      | 2.7        | 0.2        | <0.2       | 0.1        | 75.0       | 2.74        | 0.31        | 0.14        | 32       | 1.04      | 0.093      | 5.6        | 13.6       |
| 11AN0003A | Soil                             | 20.4       | 139      | 10.4       | 3.5        | 68       | 0.97      | 1.8        | 0.3        | 0.4        | <0.1       | 16.9       | 0.45        | 0.21        | 0.12        | 26       | 0.14      | 0.084      | 5.8        | 14.2       |
| 11AN0004A | Soil                             | 31.5       | 442      | 10.5       | 3.2        | 120      | 0.97      | 1.8        | 0.5        | 1.6        | <0.1       | 19.7       | 0.54        | 0.25        | 0.11        | 23       | 0.16      | 0.116      | 8.1        | 14.2       |
| 11AN0005A | Soil                             | 20.9       | 109      | 6.0        | 2.4        | 134      | 0.38      | 0.8        | 0.8        | <0.2       | 0.2        | 94.7       | 0.29        | 0.24        | 0.04        | 7        | 2.36      | 0.079      | 6.3        | 7.2        |
| 11AN0006A | Soil                             | 32.8       | 121      | 17.9       | 5.1        | 103      | 1.22      | 1.7        | 0.7        | 1.2        | 0.7        | 37.2       | 0.53        | 0.19        | 0.10        | 25       | 0.42      | 0.093      | 11.6       | 29.7       |
| 11AN0007A | Soil                             | 23.6       | 271      | 8.5        | 3.2        | 109      | 1.05      | 0.7        | 1.8        | 1.1        | 0.5        | 47.8       | 0.35        | 0.19        | 0.07        | 8        | 0.57      | 0.111      | 33.6       | 15.1       |
| 11AN0008A | Soil                             | 57.4       | 265      | 10.1       | 9.9        | 1562     | 1.99      | 3.3        | 3.5        | 4.1        | 1.7        | 128.2      | 0.34        | 0.47        | 0.20        | 33       | 1.76      | 0.094      | 37.3       | 15.0       |
| 11AN0009A | Soil                             | 36.2       | 273      | 7.4        | 3.6        | 121      | 1.85      | 3.0        | 1.4        | 3.1        | 0.7        | 28.7       | 0.18        | 0.17        | 0.20        | 29       | 0.32      | 0.102      | 13.3       | 13.5       |
| 11AN0010A | Soil                             | 49.6       | 99       | 8.0        | 4.6        | 192      | 1.80      | 2.4        | 0.7        | 2.9        | 1.4        | 23.3       | 0.09        | 0.20        | 0.11        | 28       | 0.27      | 0.070      | 12.4       | 14.5       |
| 11AN0011A | Soil                             | 21.3       | 189      | 14.5       | 3.2        | 94       | 1.15      | 2.4        | 0.2        | 1.7        | 0.6        | 11.0       | 0.07        | 0.33        | 0.17        | 41       | 0.10      | 0.027      | 6.5        | 34.7       |
| 11AN0012A | Soil                             | 22.4       | 197      | 5.6        | 1.5        | 56       | 0.85      | 1.2        | 0.5        | 1.3        | 0.2        | 15.2       | 0.13        | 0.16        | 0.13        | 18       | 0.12      | 0.048      | 11.4       | 11.6       |
| 11AN0013A | Soil                             | 16.2       | 240      | 18.2       | 6.4        | 111      | 1.41      | 1.3        | 0.2        | 0.7        | <0.1       | 24.9       | 0.26        | 0.10        | 0.10        | 42       | 0.36      | 0.050      | 3.0        | 19.8       |
| 11AN0014A | Soil                             | 22.0       | 252      | 17.0       | 3.2        | 63       | 1.19      | 1.7        | 1.2        | 1.1        | 0.2        | 24.6       | 0.27        | 0.14        | 0.13        | 22       | 0.25      | 0.058      | 16.8       | 23.5       |
| 11AN0015A | Soil                             | 28.9       | 66       | 7.3        | 3.4        | 113      | 1.42      | 3.0        | 0.3        | 1.5        | 0.7        | 17.3       | 0.29        | 0.22        | 0.15        | 45       | 0.12      | 0.031      | 8.6        | 16.3       |
| 11AN0016A | Soil                             | 20.4       | 366      | 5.4        | 1.7        | 43       | 0.70      | 0.7        | 0.3        | 1.2        | <0.1       | 43.4       | 0.35        | 0.11        | 0.12        | 15       | 0.37      | 0.071      | 5.3        | 10.1       |
| 11AN0017A | Soil                             | 18.0       | 165      | 5.3        | 2.0        | 80       | 1.00      | 2.7        | 0.2        | 1.0        | <0.1       | 35.0       | 0.18        | 0.17        | 0.18        | 32       | 0.27      | 0.070      | 6.3        | 13.4       |
| 11AN0018A | Soil                             | 15.7       | 77       | 5.7        | 2.0        | 54       | 1.05      | 2.9        | 0.2        | 0.9        | <0.1       | 20.2       | 0.20        | 0.17        | 0.14        | 29       | 0.11      | 0.040      | 6.5        | 13.3       |





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Project: Mariposa  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 |
|-----------|----------------------------------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|------|
|           |                                  | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S     | Hg   | Se   | Te    | Ga   |
|           |                                  | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   | ppm  |
|           |                                  | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  | 0.1  |
| 11CB0796A | Soil                             | 290.6 | 0.011 | 2    | 0.68 | 0.012 | 0.05 | <0.1 | 0.9  | 0.04  | 0.11  | 99   | 0.5  | <0.02 | 1.4  |
| 11CB0797A | Soil                             | 254.1 | 0.019 | 3    | 0.59 | 0.013 | 0.04 | <0.1 | 1.6  | 0.04  | 0.10  | 111  | 0.8  | <0.02 | 1.3  |
| 11CB0798A | Soil                             | 377.2 | 0.021 | 2    | 0.69 | 0.014 | 0.06 | <0.1 | 1.7  | 0.05  | 0.11  | 121  | 0.9  | 0.03  | 1.9  |
| 11CB0799A | Soil                             | 396.6 | 0.039 | 1    | 1.20 | 0.011 | 0.06 | 0.1  | 2.9  | 0.04  | 0.05  | 61   | 0.7  | 0.04  | 4.2  |
| 11CB0800A | Soil                             | 263.6 | 0.020 | 2    | 0.68 | 0.013 | 0.07 | <0.1 | 1.4  | 0.04  | 0.09  | 104  | 0.7  | <0.02 | 1.9  |
| 11CB0801A | Soil                             | 291.7 | 0.017 | 3    | 0.63 | 0.010 | 0.07 | <0.1 | 1.4  | 0.03  | 0.11  | 133  | 0.7  | <0.02 | 1.3  |
| 11CB0802A | Soil                             | 274.9 | 0.020 | <1   | 0.33 | 0.019 | 0.07 | <0.1 | 0.6  | 0.04  | 0.04  | 83   | 0.4  | <0.02 | 1.5  |
| 11CB0803A | Soil                             | 151.2 | 0.023 | <1   | 0.40 | 0.016 | 0.03 | <0.1 | 0.8  | 0.03  | 0.03  | 57   | 0.2  | <0.02 | 2.4  |
| 11CB0804A | Soil                             | 126.8 | 0.009 | 1    | 0.37 | 0.016 | 0.04 | <0.1 | 0.3  | 0.03  | 0.03  | 66   | 0.2  | 0.02  | 2.0  |
| 11CB0805A | Soil                             | 165.0 | 0.016 | 1    | 0.38 | 0.009 | 0.06 | <0.1 | 0.5  | <0.02 | 0.05  | 87   | 0.5  | <0.02 | 1.5  |
| 11CB0806A | Soil                             | 215.5 | 0.015 | <1   | 1.18 | 0.012 | 0.04 | 0.1  | 0.7  | 0.04  | 0.04  | 61   | 0.5  | 0.02  | 3.7  |
| 11CB0807A | Soil                             | 342.9 | 0.011 | 2    | 0.48 | 0.014 | 0.04 | <0.1 | 1.0  | 0.02  | 0.12  | 128  | 0.5  | <0.02 | 1.2  |
| 11AN0001A | Soil                             | 314.5 | 0.004 | 1    | 0.81 | 0.014 | 0.06 | <0.1 | 0.3  | 0.06  | 0.07  | 93   | 0.4  | <0.02 | 2.9  |
| 11AN0002A | Soil                             | 597.2 | 0.032 | 2    | 0.56 | 0.015 | 0.10 | <0.1 | 0.8  | 0.08  | 0.07  | 132  | 0.3  | 0.02  | 3.6  |
| 11AN0003A | Soil                             | 171.6 | 0.008 | <1   | 0.75 | 0.010 | 0.05 | <0.1 | 0.3  | 0.04  | 0.05  | 65   | 0.3  | 0.02  | 3.1  |
| 11AN0004A | Soil                             | 231.4 | 0.004 | 1    | 0.63 | 0.014 | 0.06 | <0.1 | 0.3  | 0.03  | 0.06  | 80   | 0.4  | 0.03  | 2.5  |
| 11AN0005A | Soil                             | 371.2 | 0.012 | 4    | 0.31 | 0.021 | 0.02 | <0.1 | 0.8  | 0.03  | 0.17  | 109  | 0.5  | <0.02 | 0.8  |
| 11AN0006A | Soil                             | 276.1 | 0.038 | 1    | 0.69 | 0.017 | 0.08 | <0.1 | 1.7  | 0.07  | 0.09  | 100  | 0.4  | 0.03  | 3.1  |
| 11AN0007A | Soil                             | 336.2 | 0.020 | 2    | 0.62 | 0.021 | 0.04 | <0.1 | 1.8  | 0.04  | 0.13  | 92   | 0.6  | 0.02  | 1.8  |
| 11AN0008A | Soil                             | 369.8 | 0.035 | 5    | 1.06 | 0.014 | 0.06 | 0.1  | 2.6  | 0.11  | 0.13  | 77   | 0.4  | 0.02  | 3.4  |
| 11AN0009A | Soil                             | 149.0 | 0.018 | 2    | 0.72 | 0.012 | 0.04 | <0.1 | 1.2  | 0.07  | 0.08  | 60   | 0.2  | 0.03  | 3.3  |
| 11AN0010A | Soil                             | 149.9 | 0.041 | 3    | 1.06 | 0.011 | 0.06 | 0.1  | 2.0  | 0.10  | 0.06  | 41   | 0.2  | <0.02 | 4.6  |
| 11AN0011A | Soil                             | 86.3  | 0.050 | 1    | 0.65 | 0.012 | 0.03 | <0.1 | 1.4  | 0.09  | <0.02 | 26   | <0.1 | 0.02  | 4.6  |
| 11AN0012A | Soil                             | 124.3 | 0.013 | 2    | 0.50 | 0.009 | 0.05 | <0.1 | 0.7  | 0.04  | 0.04  | 68   | 0.2  | 0.02  | 2.7  |
| 11AN0013A | Soil                             | 107.7 | 0.040 | 2    | 0.76 | 0.051 | 0.04 | <0.1 | 1.2  | 0.04  | 0.03  | 35   | 0.1  | <0.02 | 4.0  |
| 11AN0014A | Soil                             | 259.5 | 0.011 | 2    | 0.78 | 0.015 | 0.04 | <0.1 | 0.8  | 0.06  | 0.04  | 46   | <0.1 | <0.02 | 3.1  |
| 11AN0015A | Soil                             | 144.1 | 0.034 | 1    | 1.16 | 0.010 | 0.04 | <0.1 | 2.3  | 0.09  | <0.02 | 15   | <0.1 | 0.03  | 6.2  |
| 11AN0016A | Soil                             | 173.0 | 0.004 | 1    | 0.57 | 0.014 | 0.04 | <0.1 | 0.2  | 0.04  | 0.04  | 54   | 0.1  | 0.02  | 2.6  |
| 11AN0017A | Soil                             | 128.9 | 0.011 | 1    | 0.69 | 0.010 | 0.04 | <0.1 | 0.3  | 0.06  | 0.03  | 30   | 0.1  | <0.02 | 4.5  |
| 11AN0018A | Soil                             | 130.4 | 0.012 | <1   | 0.73 | 0.009 | 0.03 | <0.1 | 0.3  | 0.06  | <0.02 | 27   | <0.1 | 0.03  | 4.1  |



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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11AN0019A | Soil                             | 0.85        | 8.82        | 7.66        | 84.6       | 90       | 11.9       | 8.8        | 1306     | 2.37      | 3.3        | 0.2        | 0.5        | 1.0        | 40.3       | 0.22        | 0.28        | 0.15        | 57       | 0.23      |
| 11AN0020A | Soil                             | 0.64        | 9.85        | 6.90        | 26.8       | 158      | 7.4        | 3.5        | 218      | 1.20      | 3.4        | 0.2        | 0.7        | <0.1       | 35.7       | 0.21        | 0.13        | 0.13        | 31       | 0.22      |
| 11AN0021A | Soil                             | 0.62        | 9.14        | 7.09        | 28.8       | 137      | 8.1        | 3.4        | 227      | 1.29      | 4.3        | 0.3        | 1.0        | <0.1       | 35.7       | 0.20        | 0.18        | 0.24        | 34       | 0.23      |
| 11AN0022A | Soil                             | 0.63        | 13.63       | 9.01        | 33.0       | 175      | 11.6       | 5.8        | 168      | 1.63      | 4.7        | 0.8        | 5.5        | 0.3        | 49.4       | 0.17        | 0.21        | 0.16        | 39       | 0.30      |
| 11AN0023A | Soil                             | 0.70        | 19.17       | 7.50        | 35.2       | 410      | 13.8       | 6.0        | 140      | 2.09      | 6.4        | 2.0        | 3.1        | 0.2        | 79.8       | 0.17        | 0.27        | 0.15        | 39       | 0.52      |
| 11AN0024A | Soil                             | 0.66        | 7.19        | 6.54        | 13.4       | 73       | 5.9        | 1.9        | 58       | 0.89      | 3.2        | 0.2        | 0.5        | 0.1        | 15.2       | 0.09        | 0.16        | 0.14        | 31       | 0.07      |
| 11AN0025A | Soil                             | 0.58        | 17.97       | 5.73        | 13.8       | 35       | 5.1        | 1.9        | 51       | 0.91      | 1.5        | 0.6        | 1.1        | 0.1        | 21.0       | 0.12        | 0.15        | 0.11        | 23       | 0.06      |
| 11AN0026A | Soil                             | 0.86        | 15.40       | 7.60        | 25.4       | 341      | 7.4        | 3.6        | 73       | 1.10      | 1.7        | 0.5        | 0.3        | <0.1       | 17.6       | 0.25        | 0.23        | 0.15        | 28       | 0.11      |
| 11AN0027A | Soil                             | 0.86        | 19.41       | 6.36        | 21.9       | 140      | 7.5        | 2.0        | 61       | 0.93      | 2.3        | 0.2        | 1.4        | <0.1       | 14.0       | 0.63        | 0.19        | 0.17        | 31       | 0.09      |
| 11AN0028A | Soil                             | 0.56        | 16.51       | 7.16        | 13.7       | 79       | 9.6        | 1.9        | 39       | 0.88      | 1.4        | 0.3        | 0.5        | <0.1       | 16.6       | 0.39        | 0.14        | 0.14        | 22       | 0.09      |
| 11AN0029A | Soil                             | 0.74        | 16.47       | 6.93        | 15.3       | 154      | 7.3        | 1.9        | 40       | 0.91      | 1.5        | 0.4        | 1.5        | <0.1       | 17.8       | 0.28        | 0.17        | 0.15        | 25       | 0.11      |
| 11AN0030A | Soil                             | 0.91        | 31.62       | 9.73        | 25.4       | 118      | 12.6       | 3.9        | 175      | 1.41      | 2.3        | 0.5        | 1.0        | <0.1       | 25.6       | 0.28        | 0.15        | 0.20        | 31       | 0.18      |
| 11AN0031A | Soil                             | 1.04        | 15.43       | 7.87        | 31.4       | 121      | 13.7       | 4.3        | 109      | 1.31      | 3.7        | 0.4        | 0.8        | <0.1       | 21.7       | 0.14        | 0.23        | 0.14        | 34       | 0.16      |
| 11AN0032A | Soil                             | 8.39        | 30.70       | 6.37        | 34.0       | 241      | 25.5       | 16.5       | 3663     | 1.76      | 4.7        | 1.1        | 3.2        | 0.5        | 103.7      | 0.37        | 0.49        | 0.10        | 27       | 2.03      |
| 11AN0033A | Soil                             | 2.96        | 16.35       | 4.07        | 44.0       | 104      | 12.0       | 4.0        | 188      | 1.32      | 4.2        | 0.5        | 0.8        | 0.5        | 43.5       | 0.41        | 0.30        | 0.10        | 32       | 0.59      |
| 11AN0034A | Soil                             | 2.88        | 30.30       | 7.27        | 61.5       | 182      | 20.8       | 9.8        | 765      | 2.35      | 6.0        | 2.9        | 4.6        | 3.8        | 65.3       | 0.22        | 0.29        | 0.13        | 40       | 1.18      |
| 11AN0035A | Soil                             | 2.05        | 23.29       | 5.16        | 36.8       | 142      | 12.9       | 12.1       | 942      | 2.02      | 5.1        | 2.7        | 5.4        | 1.6        | 85.0       | 0.12        | 0.27        | 0.10        | 37       | 1.65      |
| 11AN0036A | Soil                             | 2.47        | 20.17       | 5.59        | 55.3       | 135      | 12.2       | 9.2        | 726      | 1.98      | 4.3        | 1.3        | 7.4        | 2.5        | 65.6       | 0.21        | 0.29        | 0.08        | 33       | 1.36      |
| 11AN0037A | Soil                             | 3.75        | 16.03       | 7.37        | 66.6       | 131      | 13.0       | 8.9        | 887      | 2.23      | 4.8        | 6.0        | 5.7        | 5.0        | 54.7       | 0.29        | 0.22        | 0.13        | 37       | 0.96      |
| 11AN0038A | Soil                             | 3.31        | 18.68       | 9.21        | 46.0       | 176      | 11.3       | 4.8        | 182      | 1.81      | 4.3        | 1.4        | 1.2        | 2.0        | 21.3       | 0.12        | 0.18        | 0.13        | 34       | 0.29      |
| 11AN0039A | Soil                             | 1.92        | 35.55       | 5.62        | 28.2       | 360      | 12.9       | 4.3        | 131      | 1.58      | 3.9        | 3.0        | 2.0        | 0.9        | 30.7       | 0.27        | 0.17        | 0.08        | 19       | 0.43      |
| 11AN0040A | Soil                             | 2.32        | 22.00       | 6.05        | 46.8       | 122      | 12.8       | 4.7        | 201      | 1.57      | 4.2        | 1.1        | 1.8        | 2.4        | 50.4       | 0.13        | 0.15        | 0.07        | 27       | 0.91      |
| 11AN0041A | Soil                             | 1.90        | 32.04       | 2.14        | 24.2       | 188      | 11.1       | 4.5        | 239      | 0.91      | 2.2        | 1.7        | 1.5        | 1.0        | 98.4       | 0.19        | 0.22        | 0.04        | 11       | 1.94      |
| 11AN0042A | Soil                             | 4.23        | 23.33       | 6.45        | 35.3       | 183      | 10.8       | 4.6        | 149      | 1.60      | 3.8        | 1.2        | 0.9        | 0.9        | 29.9       | 0.10        | 0.26        | 0.07        | 27       | 0.42      |
| 11AN0043A | Soil                             | 2.56        | 18.80       | 7.25        | 38.9       | 182      | 9.4        | 4.6        | 145      | 2.07      | 4.3        | 1.5        | 1.3        | 1.2        | 27.2       | 0.12        | 0.17        | 0.08        | 27       | 0.33      |
| 11AN0044A | Soil                             | 2.00        | 12.62       | 5.68        | 26.5       | 149      | 7.1        | 3.2        | 97       | 1.96      | 2.1        | 1.3        | 2.3        | 0.9        | 25.3       | 0.10        | 0.15        | 0.10        | 18       | 0.30      |
| 11AN0045A | Soil                             | 1.26        | 18.55       | 6.91        | 45.5       | 123      | 11.2       | 5.8        | 205      | 1.92      | 2.8        | 1.6        | 2.3        | 1.4        | 28.5       | 0.21        | 0.20        | 0.08        | 26       | 0.29      |
| 11AN0046A | Soil                             | 0.73        | 26.23       | 9.27        | 36.0       | 250      | 8.2        | 3.3        | 243      | 1.66      | 1.7        | 2.2        | 2.0        | 1.4        | 10.7       | 0.21        | 0.05        | 0.12        | 28       | 0.07      |
| 11AN0047A | Soil                             | 1.02        | 8.86        | 4.90        | 52.4       | 60       | 8.6        | 4.7        | 173      | 1.94      | 2.5        | 1.0        | 1.8        | 2.6        | 18.5       | 0.06        | 0.11        | 0.05        | 33       | 0.25      |
| 11AN0048A | Soil                             | 0.77        | 18.76       | 8.12        | 35.9       | 290      | 8.9        | 2.9        | 72       | 1.62      | 1.9        | 2.2        | 2.0        | 0.2        | 17.6       | 0.20        | 0.13        | 0.12        | 23       | 0.12      |



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Project: Mariposa  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F   | 1F   | 1F    | 1F     | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F   | 1F    | 1F  | 1F   | 1F    | 1F  | 1F   | 1F    |
|-----------|----------------------------------|------|------|------|-------|--------|-----|------|-------|------|------|-----|------|-------|-----|------|-------|-----|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti     | B   | Al   | Na    | K    | W    | Sc  | Ti   | S     | Hg  | Se   | Te    | Ga  | Mo   | Cu    |
|           |                                  | ppm  | ppm  | %    | ppm   | %      | ppm | %    | %     | %    | ppm  | ppm | ppm  | %     | ppb | ppm  | ppm   | ppm | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02 | 0.02  | 5   | 0.1  | 0.02  | 0.1 | 0.01 | 0.01  |
| 11AN0019A | Soil                             | 6.3  | 19.4 | 0.45 | 217.3 | 0.072  | <20 | 1.23 | 0.009 | 0.06 | <0.1 | 1.7 | 0.09 | <0.02 | 22  | 0.1  | 0.05  | 6.7 | 0.84 | 7.73  |
| 11AN0020A | Soil                             | 6.2  | 14.6 | 0.20 | 168.2 | 0.017  | <20 | 0.81 | 0.008 | 0.06 | <0.1 | 0.3 | 0.06 | 0.03  | 43  | 0.2  | 0.03  | 4.7 | 0.60 | 8.43  |
| 11AN0021A | Soil                             | 6.5  | 16.5 | 0.23 | 163.2 | 0.020  | <20 | 0.87 | 0.007 | 0.06 | <0.1 | 0.4 | 0.05 | 0.03  | 42  | 0.2  | 0.02  | 4.9 | 0.64 | 7.47  |
| 11AN0022A | Soil                             | 20.1 | 21.3 | 0.34 | 182.9 | 0.037  | <20 | 1.42 | 0.009 | 0.04 | <0.1 | 2.1 | 0.10 | 0.03  | 50  | 0.2  | 0.02  | 5.3 | 0.60 | 10.78 |
| 11AN0023A | Soil                             | 25.9 | 26.0 | 0.33 | 207.2 | 0.028  | <20 | 1.89 | 0.009 | 0.05 | 0.1  | 3.9 | 0.08 | 0.07  | 117 | 0.3  | 0.02  | 5.8 | 0.56 | 14.11 |
| 11AN0024A | Soil                             | 6.7  | 14.3 | 0.09 | 84.0  | 0.032  | <20 | 0.57 | 0.005 | 0.02 | <0.1 | 0.8 | 0.06 | <0.02 | 38  | 0.2  | 0.07  | 4.6 | 0.61 | 5.51  |
| 11AN0025A | Soil                             | 7.7  | 11.1 | 0.09 | 140.4 | 0.029  | <20 | 0.63 | 0.008 | 0.03 | <0.1 | 0.9 | 0.03 | 0.02  | 44  | 0.2  | 0.03  | 3.1 | 0.58 | 15.87 |
| 11AN0026A | Soil                             | 10.2 | 12.2 | 0.09 | 182.9 | 0.024  | <20 | 0.67 | 0.009 | 0.06 | <0.1 | 0.5 | 0.05 | 0.04  | 76  | 0.3  | 0.04  | 3.4 | 0.92 | 13.79 |
| 11AN0027A | Soil                             | 6.7  | 12.2 | 0.08 | 112.8 | 0.005  | <20 | 0.68 | 0.009 | 0.04 | <0.1 | 0.2 | 0.05 | 0.03  | 30  | 0.2  | 0.02  | 3.8 | 0.84 | 15.91 |
| 11AN0028A | Soil                             | 8.2  | 16.6 | 0.08 | 236.3 | <0.001 | <20 | 0.83 | 0.008 | 0.05 | <0.1 | 0.1 | 0.06 | 0.03  | 31  | 0.1  | 0.03  | 3.6 | 0.66 | 14.52 |
| 11AN0029A | Soil                             | 6.4  | 12.2 | 0.08 | 180.1 | 0.008  | <20 | 0.68 | 0.010 | 0.04 | <0.1 | 0.2 | 0.05 | 0.03  | 43  | 0.2  | 0.03  | 3.3 | 0.75 | 14.46 |
| 11AN0030A | Soil                             | 9.5  | 22.2 | 0.16 | 270.4 | 0.007  | <20 | 1.13 | 0.011 | 0.04 | <0.1 | 0.3 | 0.09 | 0.03  | 50  | 0.4  | 0.05  | 4.6 | 0.90 | 23.59 |
| 11AN0031A | Soil                             | 8.4  | 27.1 | 0.30 | 134.3 | 0.023  | <20 | 1.03 | 0.008 | 0.06 | <0.1 | 0.6 | 0.07 | 0.03  | 42  | 0.3  | 0.05  | 4.6 | 1.05 | 13.09 |
| 11AN0032A | Soil                             | 13.7 | 35.6 | 0.48 | 910.1 | 0.020  | <20 | 1.45 | 0.014 | 0.04 | <0.1 | 1.9 | 0.10 | 0.13  | 106 | 0.7  | <0.02 | 3.2 | 8.51 | 24.68 |
| 11AN0033A | Soil                             | 9.7  | 21.7 | 0.30 | 243.7 | 0.033  | <20 | 0.77 | 0.011 | 0.09 | <0.1 | 1.4 | 0.06 | 0.07  | 60  | 0.2  | 0.03  | 3.1 | 2.99 | 14.38 |
| 11AN0034A | Soil                             | 53.6 | 37.6 | 0.57 | 546.8 | 0.035  | <20 | 1.93 | 0.008 | 0.07 | <0.1 | 4.5 | 0.10 | 0.07  | 60  | 0.6  | 0.04  | 5.4 | 2.73 | 24.29 |
| 11AN0035A | Soil                             | 24.0 | 24.4 | 0.47 | 431.0 | 0.032  | <20 | 1.12 | 0.011 | 0.04 | <0.1 | 2.8 | 0.08 | 0.11  | 70  | 0.5  | 0.07  | 3.5 | 1.98 | 18.46 |
| 11AN0036A | Soil                             | 17.6 | 24.0 | 0.50 | 340.9 | 0.039  | <20 | 1.18 | 0.012 | 0.07 | <0.1 | 2.8 | 0.08 | 0.09  | 44  | 0.3  | 0.04  | 3.9 | 2.24 | 15.70 |
| 11AN0037A | Soil                             | 29.2 | 22.9 | 0.48 | 405.3 | 0.045  | <20 | 1.40 | 0.011 | 0.10 | 0.2  | 3.7 | 0.10 | 0.07  | 73  | 0.4  | 0.04  | 4.4 | 3.50 | 12.93 |
| 11AN0038A | Soil                             | 20.5 | 22.1 | 0.38 | 186.9 | 0.064  | <20 | 1.35 | 0.007 | 0.11 | 0.1  | 2.5 | 0.13 | 0.05  | 61  | 0.3  | 0.03  | 6.5 | 2.92 | 13.95 |
| 11AN0039A | Soil                             | 46.0 | 20.1 | 0.19 | 271.2 | 0.026  | <20 | 0.96 | 0.010 | 0.05 | <0.1 | 1.5 | 0.06 | 0.10  | 74  | 0.4  | 0.04  | 2.8 | 1.68 | 28.54 |
| 11AN0040A | Soil                             | 29.6 | 20.4 | 0.44 | 270.7 | 0.071  | <20 | 1.09 | 0.009 | 0.10 | 0.1  | 2.5 | 0.11 | 0.06  | 53  | 0.2  | 0.03  | 4.6 | 2.11 | 18.01 |
| 11AN0041A | Soil                             | 50.5 | 11.0 | 0.25 | 363.0 | 0.026  | <20 | 0.55 | 0.012 | 0.04 | <0.1 | 1.5 | 0.05 | 0.15  | 90  | 0.4  | 0.04  | 1.7 | 1.71 | 23.74 |
| 11AN0042A | Soil                             | 18.3 | 18.5 | 0.28 | 167.4 | 0.042  | <20 | 0.88 | 0.012 | 0.07 | <0.1 | 1.6 | 0.08 | 0.09  | 71  | 0.3  | 0.04  | 3.8 | 4.05 | 18.72 |
| 11AN0043A | Soil                             | 19.8 | 19.7 | 0.31 | 147.2 | 0.048  | <20 | 1.06 | 0.010 | 0.06 | <0.1 | 1.8 | 0.09 | 0.08  | 64  | 0.3  | 0.04  | 4.1 | 2.34 | 14.83 |
| 11AN0044A | Soil                             | 21.5 | 14.4 | 0.18 | 150.9 | 0.033  | <20 | 0.78 | 0.011 | 0.05 | <0.1 | 1.4 | 0.11 | 0.11  | 90  | 0.2  | 0.02  | 2.7 | 1.74 | 11.49 |
| 11AN0045A | Soil                             | 27.1 | 19.3 | 0.28 | 194.3 | 0.040  | <20 | 1.04 | 0.014 | 0.05 | 0.1  | 2.0 | 0.11 | 0.08  | 75  | 0.2  | 0.03  | 4.0 | 1.07 | 15.59 |
| 11AN0046A | Soil                             | 30.8 | 21.5 | 0.16 | 189.4 | 0.016  | <20 | 1.45 | 0.018 | 0.08 | <0.1 | 2.0 | 0.18 | <0.02 | 25  | <0.1 | 0.04  | 6.3 | 0.78 | 22.95 |
| 11AN0047A | Soil                             | 17.4 | 17.4 | 0.33 | 125.4 | 0.052  | <20 | 1.19 | 0.010 | 0.07 | <0.1 | 2.1 | 0.12 | 0.04  | 35  | 0.2  | <0.02 | 4.9 | 0.95 | 7.67  |
| 11AN0048A | Soil                             | 25.3 | 25.0 | 0.23 | 136.0 | 0.016  | <20 | 1.35 | 0.010 | 0.05 | <0.1 | 1.3 | 0.12 | 0.08  | 92  | 0.2  | 0.02  | 6.2 | 0.64 | 16.54 |



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**Report Date:** November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       |
|-----------|----------------------------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|------------|------------|------------|
|           |                                  | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        | P          | La         | Cr         |
|           |                                  | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 | %<br>0.001 | ppm<br>0.5 | ppm<br>0.5 |
| 11AN0019A | Soil                             | 86.1       | 88       | 10.6       | 7.7        | 1223     | 2.46      | 2.6        | 0.2        | 1.3        | 1.2        | 42.5       | 0.20        | 0.37        | 0.16        | 60       | 0.25      | 0.064      | 6.9        | 20.0       |
| 11AN0020A | Soil                             | 27.6       | 153      | 6.7        | 3.0        | 213      | 1.26      | 3.0        | 0.3        | 1.1        | <0.1       | 35.4       | 0.17        | 0.17        | 0.15        | 32       | 0.23      | 0.067      | 7.0        | 14.6       |
| 11AN0021A | Soil                             | 28.4       | 129      | 6.9        | 3.0        | 211      | 1.28      | 3.2        | 0.2        | 1.2        | <0.1       | 36.4       | 0.16        | 0.20        | 0.13        | 34       | 0.23      | 0.064      | 6.9        | 15.2       |
| 11AN0022A | Soil                             | 30.7       | 171      | 9.7        | 4.8        | 155      | 1.58      | 3.5        | 0.7        | 2.5        | 0.4        | 48.6       | 0.13        | 0.22        | 0.13        | 39       | 0.29      | 0.046      | 18.4       | 19.8       |
| 11AN0023A | Soil                             | 29.6       | 371      | 10.8       | 4.8        | 117      | 1.90      | 4.6        | 1.6        | 2.5        | 0.2        | 70.0       | 0.14        | 0.25        | 0.13        | 35       | 0.42      | 0.079      | 21.4       | 22.6       |
| 11AN0024A | Soil                             | 13.7       | 74       | 4.8        | 1.5        | 58       | 0.93      | 3.2        | 0.3        | 1.6        | 0.4        | 15.6       | 0.07        | 0.19        | 0.15        | 33       | 0.08      | 0.036      | 8.0        | 13.8       |
| 11AN0025A | Soil                             | 15.4       | 38       | 4.9        | 1.8        | 50       | 0.96      | 1.4        | 0.5        | 1.1        | 0.2        | 23.9       | 0.13        | 0.18        | 0.12        | 24       | 0.07      | 0.035      | 8.2        | 11.5       |
| 11AN0026A | Soil                             | 26.6       | 384      | 7.2        | 3.5        | 77       | 1.17      | 1.8        | 0.4        | 0.8        | <0.1       | 19.5       | 0.25        | 0.27        | 0.16        | 30       | 0.12      | 0.069      | 10.5       | 13.4       |
| 11AN0027A | Soil                             | 22.4       | 142      | 6.5        | 1.6        | 57       | 0.92      | 2.4        | 0.2        | 1.1        | <0.1       | 14.1       | 0.67        | 0.21        | 0.18        | 29       | 0.09      | 0.069      | 6.9        | 11.6       |
| 11AN0028A | Soil                             | 14.6       | 98       | 9.0        | 1.9        | 40       | 0.99      | 1.6        | 0.3        | 0.9        | <0.1       | 17.9       | 0.40        | 0.15        | 0.15        | 23       | 0.10      | 0.144      | 8.8        | 17.7       |
| 11AN0029A | Soil                             | 16.6       | 176      | 6.5        | 1.9        | 41       | 0.98      | 1.7        | 0.4        | 1.5        | <0.1       | 19.5       | 0.30        | 0.22        | 0.15        | 26       | 0.12      | 0.052      | 7.0        | 13.0       |
| 11AN0030A | Soil                             | 24.3       | 100      | 9.9        | 3.3        | 162      | 1.43      | 2.3        | 0.6        | 1.6        | 0.1        | 26.5       | 0.28        | 0.18        | 0.19        | 31       | 0.17      | 0.127      | 9.1        | 21.5       |
| 11AN0031A | Soil                             | 31.8       | 134      | 13.0       | 3.9        | 109      | 1.34      | 3.6        | 0.4        | 1.5        | <0.1       | 24.2       | 0.15        | 0.28        | 0.16        | 35       | 0.17      | 0.059      | 8.8        | 28.2       |
| 11AN0032A | Soil                             | 33.2       | 245      | 21.8       | 13.8       | 3587     | 1.72      | 3.2        | 1.0        | 3.4        | 0.5        | 110.5      | 0.38        | 0.50        | 0.10        | 29       | 1.88      | 0.118      | 13.0       | 30.9       |
| 11AN0033A | Soil                             | 46.1       | 122      | 10.3       | 3.9        | 185      | 1.42      | 3.1        | 0.5        | 1.6        | 0.7        | 48.2       | 0.42        | 0.31        | 0.12        | 33       | 0.59      | 0.085      | 10.6       | 20.9       |
| 11AN0034A | Soil                             | 60.7       | 180      | 18.2       | 8.7        | 706      | 2.33      | 3.6        | 2.6        | 7.5        | 4.4        | 66.0       | 0.21        | 0.35        | 0.13        | 41       | 1.10      | 0.063      | 49.6       | 36.6       |
| 11AN0035A | Soil                             | 36.5       | 143      | 11.0       | 10.7       | 878      | 1.99      | 3.4        | 2.3        | 3.0        | 1.9        | 83.4       | 0.10        | 0.28        | 0.10        | 37       | 1.54      | 0.074      | 21.9       | 22.8       |
| 11AN0036A | Soil                             | 51.0       | 133      | 10.7       | 7.7        | 640      | 1.86      | 2.9        | 1.1        | 3.7        | 2.6        | 62.9       | 0.19        | 0.32        | 0.08        | 32       | 1.23      | 0.070      | 16.2       | 20.6       |
| 11AN0037A | Soil                             | 67.7       | 127      | 11.4       | 7.8        | 840      | 2.18      | 3.3        | 5.2        | 8.5        | 5.3        | 55.0       | 0.29        | 0.26        | 0.12        | 36       | 0.90      | 0.063      | 27.4       | 20.5       |
| 11AN0038A | Soil                             | 41.6       | 160      | 8.5        | 3.8        | 158      | 1.66      | 2.2        | 1.1        | 3.8        | 2.2        | 20.3       | 0.11        | 0.15        | 0.12        | 31       | 0.25      | 0.057      | 17.5       | 19.0       |
| 11AN0039A | Soil                             | 26.3       | 375      | 10.5       | 3.7        | 114      | 1.54      | 1.8        | 2.6        | 1.9        | 0.9        | 30.1       | 0.29        | 0.17        | 0.08        | 19       | 0.40      | 0.090      | 43.5       | 17.1       |
| 11AN0040A | Soil                             | 46.7       | 127      | 11.2       | 4.1        | 195      | 1.56      | 1.8        | 1.0        | 1.9        | 2.8        | 51.8       | 0.14        | 0.17        | 0.08        | 27       | 0.89      | 0.046      | 27.8       | 18.4       |
| 11AN0041A | Soil                             | 23.2       | 191      | 8.3        | 3.7        | 214      | 0.87      | 0.8        | 1.4        | 1.2        | 1.0        | 93.1       | 0.17        | 0.21        | 0.04        | 10       | 1.66      | 0.065      | 43.5       | 8.2        |
| 11AN0042A | Soil                             | 33.9       | 192      | 9.0        | 3.8        | 136      | 1.54      | 2.7        | 1.1        | 1.7        | 1.1        | 30.0       | 0.12        | 0.25        | 0.28        | 25       | 0.39      | 0.075      | 16.6       | 16.6       |
| 11AN0043A | Soil                             | 37.4       | 179      | 7.8        | 3.6        | 126      | 1.94      | 2.5        | 1.3        | 1.8        | 1.4        | 26.9       | 0.13        | 0.17        | 0.11        | 23       | 0.30      | 0.078      | 18.1       | 17.0       |
| 11AN0044A | Soil                             | 25.5       | 173      | 6.1        | 2.9        | 93       | 1.92      | 1.9        | 1.1        | 4.3        | 0.9        | 25.2       | 0.14        | 0.18        | 0.26        | 18       | 0.30      | 0.105      | 19.2       | 13.7       |
| 11AN0045A | Soil                             | 38.9       | 133      | 9.6        | 5.1        | 189      | 1.79      | 2.2        | 1.3        | 3.2        | 1.4        | 26.9       | 0.22        | 0.20        | 0.15        | 24       | 0.28      | 0.067      | 22.7       | 17.5       |
| 11AN0046A | Soil                             | 31.0       | 255      | 7.1        | 2.7        | 223      | 1.56      | 1.7        | 1.7        | 1.8        | 1.4        | 10.0       | 0.20        | 0.16        | 0.15        | 27       | 0.07      | 0.074      | 26.3       | 19.3       |
| 11AN0047A | Soil                             | 49.7       | 81       | 7.3        | 4.3        | 170      | 1.93      | 2.5        | 0.9        | 1.6        | 2.9        | 19.7       | 0.09        | 0.17        | 0.08        | 33       | 0.25      | 0.062      | 16.9       | 16.3       |
| 11AN0048A | Soil                             | 31.7       | 312      | 7.6        | 2.6        | 66       | 1.56      | 1.9        | 1.9        | 3.7        | 0.4        | 17.5       | 0.19        | 0.15        | 0.18        | 22       | 0.11      | 0.095      | 22.9       | 22.7       |



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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0019A | Soil                             | 227.3 | 0.057 | <1   | 1.31 | 0.013 | 0.06 | <0.1 | 2.0  | 0.09 | <0.02 | 17   | <0.1 | <0.02 |
| 11AN0020A | Soil                             | 165.7 | 0.017 | 1    | 0.82 | 0.010 | 0.06 | <0.1 | 0.4  | 0.07 | 0.03  | 34   | 0.2  | <0.02 |
| 11AN0021A | Soil                             | 163.7 | 0.018 | 1    | 0.85 | 0.008 | 0.06 | <0.1 | 0.5  | 0.07 | 0.03  | 35   | 0.1  | <0.02 |
| 11AN0022A | Soil                             | 177.2 | 0.031 | 2    | 1.35 | 0.011 | 0.04 | <0.1 | 2.4  | 0.09 | 0.03  | 45   | 0.1  | 0.03  |
| 11AN0023A | Soil                             | 192.1 | 0.020 | 2    | 1.72 | 0.011 | 0.05 | <0.1 | 3.6  | 0.07 | 0.06  | 102  | 0.3  | 0.03  |
| 11AN0024A | Soil                             | 81.7  | 0.032 | 1    | 0.62 | 0.007 | 0.03 | <0.1 | 1.1  | 0.07 | <0.02 | 27   | 0.2  | <0.02 |
| 11AN0025A | Soil                             | 148.1 | 0.026 | 1    | 0.64 | 0.012 | 0.03 | <0.1 | 1.1  | 0.03 | 0.03  | 30   | 0.2  | 0.03  |
| 11AN0026A | Soil                             | 199.5 | 0.021 | <1   | 0.69 | 0.012 | 0.06 | <0.1 | 0.7  | 0.05 | 0.04  | 54   | 0.2  | 0.02  |
| 11AN0027A | Soil                             | 116.6 | 0.005 | <1   | 0.61 | 0.009 | 0.04 | <0.1 | 0.2  | 0.05 | 0.03  | 39   | 0.1  | <0.02 |
| 11AN0028A | Soil                             | 258.6 | 0.001 | <1   | 0.83 | 0.010 | 0.05 | <0.1 | 0.1  | 0.05 | 0.03  | 39   | 0.1  | <0.02 |
| 11AN0029A | Soil                             | 190.4 | 0.008 | 1    | 0.69 | 0.013 | 0.05 | <0.1 | 0.2  | 0.05 | 0.03  | 40   | 0.2  | 0.03  |
| 11AN0030A | Soil                             | 244.8 | 0.008 | <1   | 1.01 | 0.013 | 0.04 | <0.1 | 0.3  | 0.08 | 0.03  | 44   | 0.3  | 0.02  |
| 11AN0031A | Soil                             | 144.9 | 0.019 | 1    | 1.03 | 0.011 | 0.06 | <0.1 | 0.7  | 0.08 | 0.03  | 46   | 0.2  | 0.02  |
| 11AN0032A | Soil                             | 854.2 | 0.015 | 2    | 1.35 | 0.016 | 0.04 | <0.1 | 2.1  | 0.09 | 0.12  | 105  | 0.5  | 0.02  |
| 11AN0033A | Soil                             | 283.4 | 0.027 | 1    | 0.83 | 0.016 | 0.09 | <0.1 | 1.6  | 0.07 | 0.07  | 53   | 0.2  | <0.02 |
| 11AN0034A | Soil                             | 516.6 | 0.031 | 2    | 2.03 | 0.012 | 0.08 | <0.1 | 5.3  | 0.11 | 0.07  | 68   | 0.3  | 0.03  |
| 11AN0035A | Soil                             | 427.1 | 0.026 | 2    | 1.22 | 0.015 | 0.04 | <0.1 | 3.0  | 0.08 | 0.11  | 47   | 0.4  | 0.03  |
| 11AN0036A | Soil                             | 342.7 | 0.027 | 1    | 1.12 | 0.015 | 0.07 | <0.1 | 2.9  | 0.08 | 0.09  | 54   | 0.3  | <0.02 |
| 11AN0037A | Soil                             | 408.5 | 0.033 | 1    | 1.35 | 0.015 | 0.09 | <0.1 | 3.9  | 0.09 | 0.07  | 53   | 0.2  | 0.03  |
| 11AN0038A | Soil                             | 171.5 | 0.039 | <1   | 1.22 | 0.009 | 0.10 | 0.1  | 2.7  | 0.11 | 0.05  | 61   | 0.1  | <0.02 |
| 11AN0039A | Soil                             | 280.2 | 0.018 | 1    | 0.91 | 0.013 | 0.05 | <0.1 | 1.6  | 0.06 | 0.09  | 76   | 0.2  | 0.03  |
| 11AN0040A | Soil                             | 271.9 | 0.057 | 2    | 1.13 | 0.013 | 0.10 | 0.1  | 2.6  | 0.12 | 0.06  | 56   | 0.1  | <0.02 |
| 11AN0041A | Soil                             | 345.3 | 0.019 | 2    | 0.50 | 0.012 | 0.04 | <0.1 | 1.5  | 0.05 | 0.13  | 85   | 0.1  | <0.02 |
| 11AN0042A | Soil                             | 166.7 | 0.028 | <1   | 0.84 | 0.014 | 0.06 | <0.1 | 1.7  | 0.07 | 0.08  | 72   | 0.2  | 0.05  |
| 11AN0043A | Soil                             | 151.8 | 0.030 | <1   | 0.95 | 0.012 | 0.05 | <0.1 | 1.9  | 0.09 | 0.08  | 74   | 0.2  | 0.03  |
| 11AN0044A | Soil                             | 151.1 | 0.028 | 5    | 0.78 | 0.011 | 0.05 | <0.1 | 1.5  | 0.09 | 0.12  | 79   | 0.2  | 0.02  |
| 11AN0045A | Soil                             | 183.6 | 0.031 | 2    | 0.98 | 0.013 | 0.04 | <0.1 | 2.0  | 0.08 | 0.07  | 61   | 0.2  | <0.02 |
| 11AN0046A | Soil                             | 173.6 | 0.012 | <1   | 1.34 | 0.017 | 0.07 | <0.1 | 1.9  | 0.12 | <0.02 | 33   | <0.1 | 0.02  |
| 11AN0047A | Soil                             | 128.8 | 0.048 | 2    | 1.15 | 0.010 | 0.07 | <0.1 | 2.2  | 0.09 | 0.03  | 36   | 0.1  | 0.04  |
| 11AN0048A | Soil                             | 130.7 | 0.011 | 1    | 1.25 | 0.010 | 0.04 | <0.1 | 1.3  | 0.08 | 0.07  | 77   | 0.2  | 0.02  |



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**Project:** Mariposa  
**Report Date:** November 14, 2011

**Page:** 7 of 8 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11AN0049A | Soil                             | 0.99        | 25.00       | 7.47        | 19.9       | 201      | 9.8        | 2.9        | 43       | 1.39      | 0.9        | 3.6        | 2.6        | 0.7        | 23.3       | 0.27        | 0.18        | 0.08        | 19       | 0.13      |
| 11AN0050A | Soil                             | 0.74        | 19.06       | 7.81        | 20.6       | 206      | 7.4        | 3.3        | 38       | 0.99      | 1.1        | 1.2        | 2.5        | 0.2        | 17.9       | 0.18        | 0.13        | 0.11        | 23       | 0.11      |
| 11AN0051A | Soil                             | 1.15        | 14.61       | 7.92        | 21.9       | 203      | 9.3        | 2.6        | 55       | 1.27      | 1.7        | 1.1        | 1.7        | 0.3        | 13.3       | 0.20        | 0.17        | 0.11        | 28       | 0.07      |
| 11AN0052A | Soil                             | 1.56        | 24.33       | 8.74        | 40.4       | 426      | 13.3       | 14.5       | 1224     | 1.50      | 2.9        | 3.0        | 3.2        | 0.7        | 75.1       | 0.31        | 0.42        | 0.07        | 21       | 0.84      |
| 11AN0053A | Soil                             | 1.14        | 10.97       | 8.32        | 24.1       | 68       | 7.0        | 2.9        | 97       | 1.49      | 4.6        | 0.4        | 0.9        | 0.2        | 12.4       | 0.15        | 0.18        | 0.14        | 41       | 0.10      |
| 11AN0054A | Soil                             | 0.75        | 25.22       | 7.27        | 19.2       | 272      | 7.8        | 2.4        | 49       | 1.11      | 1.7        | 1.2        | 2.5        | <0.1       | 26.1       | 0.26        | 0.17        | 0.09        | 18       | 0.19      |
| 11AN0055A | Soil                             | 1.01        | 22.00       | 7.22        | 46.2       | 349      | 19.3       | 8.0        | 387      | 2.01      | 2.4        | 1.3        | 2.5        | 0.6        | 23.8       | 0.13        | 0.12        | 0.16        | 32       | 0.34      |
| 11AN0056A | Soil                             | 0.52        | 21.00       | 6.91        | 66.5       | 140      | 18.2       | 21.4       | 1642     | 2.50      | 3.1        | 1.0        | 1.2        | 2.3        | 31.7       | 0.19        | 0.07        | 0.08        | 52       | 0.56      |
| 11AN0057A | Soil                             | 0.49        | 14.93       | 2.08        | 29.0       | 89       | 6.1        | 3.2        | 414      | 0.62      | 0.6        | 0.4        | 2.0        | 0.3        | 90.7       | 0.35        | 0.26        | 0.04        | 14       | 3.20      |
| 11AN0058A | Soil                             | 0.74        | 8.97        | 8.56        | 53.6       | 109      | 11.7       | 7.5        | 346      | 2.61      | 4.5        | 0.4        | 5.5        | 1.7        | 37.5       | 0.11        | 0.12        | 0.09        | 73       | 0.38      |
| 11AN0059A | Soil                             | 0.48        | 12.43       | 4.88        | 49.4       | 202      | 7.8        | 4.6        | 235      | 1.51      | 1.4        | 0.6        | 1.6        | 0.6        | 77.9       | 0.28        | 0.12        | 0.09        | 40       | 0.82      |
| 11AN0060A | Soil                             | 0.75        | 16.61       | 8.71        | 66.1       | 171      | 15.6       | 12.4       | 1084     | 2.82      | 5.1        | 1.0        | 1.4        | 2.0        | 57.8       | 0.13        | 0.15        | 0.10        | 65       | 0.63      |
| 11AN0061A | Soil                             | 0.67        | 16.57       | 8.09        | 62.8       | 163      | 14.9       | 11.3       | 936      | 2.81      | 5.5        | 1.0        | 1.9        | 2.0        | 57.6       | 0.13        | 0.16        | 0.11        | 67       | 0.61      |
| 11AN0062A | Soil                             | 0.91        | 8.59        | 9.05        | 62.9       | 101      | 11.1       | 7.8        | 551      | 2.86      | 5.6        | 0.3        | 0.6        | 0.9        | 47.5       | 0.13        | 0.14        | 0.13        | 72       | 0.34      |
| 11AN0063A | Soil                             | 0.79        | 9.84        | 8.14        | 54.4       | 81       | 13.2       | 8.2        | 933      | 2.47      | 5.1        | 0.5        | 0.8        | 2.0        | 38.4       | 0.17        | 0.12        | 0.11        | 62       | 0.38      |
| 11AN0064A | Soil                             | 0.82        | 12.37       | 7.54        | 41.1       | 218      | 11.1       | 8.0        | 1165     | 2.14      | 3.5        | 0.4        | 1.0        | 1.1        | 34.3       | 0.10        | 0.09        | 0.13        | 56       | 0.20      |
| 11AN0065A | Soil                             | 0.71        | 9.15        | 7.20        | 49.2       | 149      | 11.0       | 6.7        | 642      | 2.09      | 3.4        | 0.2        | 0.3        | 1.1        | 43.0       | 0.29        | 0.09        | 0.12        | 54       | 0.23      |
| 11AN0066A | Soil                             | 0.73        | 10.59       | 7.61        | 115.2      | 175      | 10.2       | 8.4        | 1495     | 2.58      | 2.2        | 0.2        | 0.8        | 0.4        | 73.9       | 0.53        | 0.12        | 0.13        | 61       | 0.41      |
| 11AN0067A | Soil                             | 0.68        | 8.00        | 9.80        | 31.7       | 97       | 8.3        | 4.1        | 140      | 1.96      | 3.8        | 0.3        | 1.7        | 0.7        | 15.5       | 0.08        | 0.08        | 0.14        | 53       | 0.12      |
| 11AN0068A | Soil                             | 0.56        | 7.65        | 7.27        | 14.5       | 59       | 4.7        | 1.7        | 46       | 0.90      | 2.1        | 0.3        | 0.8        | 0.2        | 11.4       | 0.08        | 0.10        | 0.14        | 37       | 0.07      |
| 11AN0069A | Soil                             | 0.53        | 8.10        | 5.47        | 28.7       | 19       | 4.3        | 3.1        | 153      | 1.30      | 0.9        | 0.3        | 1.2        | 0.1        | 56.1       | 0.09        | 0.08        | 0.06        | 33       | 0.21      |
| 11AN0070A | Soil                             | 0.64        | 10.08       | 6.14        | 39.9       | 185      | 8.0        | 16.2       | 1175     | 1.59      | 3.6        | 1.0        | 2.2        | 0.1        | 113.4      | 0.21        | 0.25        | 0.03        | 32       | 0.77      |
| 11AN0071A | Soil                             | 0.30        | 12.14       | 4.19        | 15.9       | 516      | 5.4        | 1.7        | 56       | 1.05      | 2.4        | 1.4        | 2.4        | <0.1       | 130.8      | 0.11        | 0.14        | 0.04        | 9        | 0.63      |
| 11AN0072A | Soil                             | 0.83        | 11.56       | 4.45        | 21.7       | 327      | 8.5        | 12.0       | 509      | 1.14      | 2.2        | 1.5        | 3.0        | <0.1       | 148.0      | 0.18        | 0.47        | 0.04        | 17       | 1.10      |
| 11AN0073A | Soil                             | 0.93        | 35.19       | 3.61        | 33.8       | 579      | 30.7       | 39.8       | 3397     | 2.24      | 3.9        | 1.3        | 2.2        | 0.2        | 94.7       | 1.07        | 0.34        | 0.04        | 22       | 0.79      |
| 11AN0074A | Soil                             | 1.40        | 11.46       | 5.91        | 39.5       | 337      | 9.0        | 12.9       | 757      | 1.61      | 3.1        | 1.2        | 3.4        | 0.2        | 93.4       | 0.18        | 0.33        | 0.06        | 40       | 0.84      |
| 11AN0075A | Soil                             | 0.74        | 15.69       | 6.74        | 48.9       | 132      | 15.8       | 20.9       | 888      | 2.74      | 5.2        | 1.2        | 2.3        | 1.6        | 61.6       | 0.09        | 0.34        | 0.08        | 48       | 0.54      |
| 11AN0076A | Soil                             | 27.99       | 26.12       | 9.49        | 28.3       | 770      | 18.4       | 26.7       | 2206     | 4.54      | 14.8       | 3.2        | 10.8       | 0.8        | 72.1       | 0.55        | 0.40        | 0.13        | 43       | 0.96      |
| 11AN0077A | Soil                             | 1.81        | 16.61       | 8.81        | 46.9       | 269      | 17.7       | 5.3        | 135      | 2.24      | 4.8        | 1.4        | 10.0       | 0.9        | 29.0       | 0.19        | 0.23        | 0.12        | 36       | 0.35      |
| 11AN0078A | Soil                             | 4.29        | 21.41       | 7.43        | 43.3       | 300      | 16.2       | 9.2        | 309      | 2.52      | 4.3        | 2.2        | 2.2        | 0.8        | 27.2       | 0.17        | 0.15        | 0.11        | 57       | 0.33      |



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Project: Mariposa

Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F   | 1F   | 1F    | 1F    | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F   | 1F    | 1F  | 1F   | 1F    | 1F  | 1F    | 1F    | 1F   |
|-----------|----------------------------------|------|------|------|-------|-------|-----|------|-------|------|------|-----|------|-------|-----|------|-------|-----|-------|-------|------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B   | Al   | Na    | K    | W    | Sc  | Ti   | S     | Hg  | Se   | Te    | Ga  | Mo    | Cu    | Pb   |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm | %    | %     | %    | ppm  | ppm | ppm  | %     | ppb | ppm  | ppm   | ppm | ppm   | ppm   | ppm  |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02 | 0.02  | 5   | 0.1  | 0.02  | 0.1 | 0.01  | 0.01  | 0.01 |
| 11AN0049A | Soil                             | 84.7 | 18.5 | 0.12 | 263.2 | 0.016 | <20 | 0.99 | 0.009 | 0.06 | <0.1 | 2.4 | 0.09 | 0.08  | 74  | <0.1 | 0.03  | 3.6 | 0.83  | 22.68 | 6.24 |
| 11AN0050A | Soil                             | 17.2 | 17.6 | 0.12 | 169.9 | 0.015 | <20 | 0.85 | 0.011 | 0.04 | <0.1 | 1.1 | 0.10 | 0.03  | 49  | 0.2  | 0.03  | 4.1 | 0.69  | 17.21 | 7.53 |
| 11AN0051A | Soil                             | 12.8 | 20.1 | 0.14 | 174.0 | 0.019 | <20 | 1.03 | 0.011 | 0.04 | 0.1  | 1.2 | 0.09 | 0.05  | 68  | 0.2  | 0.03  | 4.6 | 0.89  | 12.40 | 7.05 |
| 11AN0052A | Soil                             | 57.8 | 17.2 | 0.21 | 544.7 | 0.011 | <20 | 0.96 | 0.016 | 0.04 | <0.1 | 2.9 | 0.10 | 0.13  | 140 | 0.2  | <0.02 | 2.5 | 1.44  | 21.66 | 8.20 |
| 11AN0053A | Soil                             | 10.4 | 16.4 | 0.17 | 112.8 | 0.020 | <20 | 0.94 | 0.008 | 0.04 | <0.1 | 0.9 | 0.09 | 0.03  | 19  | 0.2  | 0.02  | 5.7 | 1.01  | 9.57  | 6.84 |
| 11AN0054A | Soil                             | 19.2 | 15.1 | 0.10 | 244.1 | 0.004 | <20 | 0.96 | 0.010 | 0.04 | <0.1 | 0.3 | 0.09 | 0.06  | 98  | 0.3  | 0.05  | 4.1 | 0.65  | 21.16 | 6.70 |
| 11AN0055A | Soil                             | 39.9 | 32.7 | 0.39 | 480.8 | 0.013 | <20 | 1.49 | 0.014 | 0.06 | <0.1 | 3.4 | 0.15 | 0.07  | 93  | 0.2  | 0.02  | 5.0 | 0.92  | 18.50 | 6.21 |
| 11AN0056A | Soil                             | 39.0 | 26.3 | 0.60 | 596.2 | 0.021 | <20 | 1.59 | 0.013 | 0.05 | <0.1 | 4.8 | 0.12 | 0.03  | 59  | 0.1  | <0.02 | 5.9 | 0.53  | 18.10 | 6.70 |
| 11AN0057A | Soil                             | 5.0  | 7.6  | 0.22 | 238.4 | 0.010 | <20 | 0.59 | 0.014 | 0.02 | <0.1 | 1.5 | 0.07 | 0.14  | 101 | 0.4  | 0.02  | 1.5 | 0.44  | 13.99 | 1.88 |
| 11AN0058A | Soil                             | 9.5  | 25.9 | 0.57 | 159.2 | 0.070 | <20 | 1.85 | 0.012 | 0.04 | <0.1 | 3.1 | 0.14 | <0.02 | 15  | 0.1  | 0.06  | 7.9 | 0.70  | 7.64  | 7.41 |
| 11AN0059A | Soil                             | 9.0  | 14.5 | 0.38 | 152.1 | 0.062 | <20 | 1.28 | 0.018 | 0.06 | <0.1 | 3.1 | 0.09 | 0.04  | 38  | 0.1  | 0.02  | 7.2 | 0.47  | 10.53 | 4.22 |
| 11AN0060A | Soil                             | 13.4 | 28.8 | 0.62 | 262.5 | 0.076 | <20 | 2.26 | 0.019 | 0.06 | <0.1 | 4.9 | 0.13 | <0.02 | 47  | 0.2  | 0.03  | 8.4 | 0.66  | 12.75 | 6.84 |
| 11AN0061A | Soil                             | 13.1 | 27.7 | 0.63 | 242.3 | 0.081 | <20 | 2.27 | 0.019 | 0.06 | <0.1 | 4.7 | 0.12 | <0.02 | 40  | 0.2  | 0.04  | 7.9 | 0.64  | 12.55 | 6.47 |
| 11AN0062A | Soil                             | 7.1  | 22.2 | 0.46 | 188.5 | 0.084 | <20 | 1.59 | 0.013 | 0.07 | <0.1 | 2.5 | 0.11 | <0.02 | 28  | 0.1  | 0.02  | 8.2 | 0.80  | 6.96  | 7.27 |
| 11AN0063A | Soil                             | 10.7 | 26.4 | 0.46 | 187.1 | 0.046 | <20 | 1.72 | 0.011 | 0.05 | <0.1 | 2.9 | 0.11 | <0.02 | 33  | 0.2  | 0.02  | 6.3 | 0.78  | 8.11  | 7.37 |
| 11AN0064A | Soil                             | 8.1  | 20.6 | 0.32 | 223.1 | 0.043 | <20 | 1.33 | 0.013 | 0.05 | <0.1 | 2.2 | 0.12 | <0.02 | 38  | 0.2  | 0.03  | 5.6 | 0.99  | 11.86 | 7.25 |
| 11AN0065A | Soil                             | 6.9  | 19.2 | 0.32 | 236.2 | 0.042 | <20 | 1.22 | 0.011 | 0.07 | <0.1 | 1.8 | 0.11 | <0.02 | 38  | 0.1  | 0.03  | 6.1 | 0.73  | 7.83  | 6.79 |
| 11AN0066A | Soil                             | 5.6  | 15.5 | 0.43 | 443.2 | 0.049 | <20 | 1.24 | 0.018 | 0.08 | <0.1 | 2.1 | 0.12 | 0.02  | 33  | 0.1  | 0.02  | 8.5 | 0.78  | 9.64  | 7.11 |
| 11AN0067A | Soil                             | 9.6  | 21.5 | 0.25 | 119.3 | 0.044 | <20 | 1.29 | 0.008 | 0.03 | <0.1 | 1.4 | 0.13 | <0.02 | 16  | <0.1 | 0.02  | 6.7 | 0.69  | 6.99  | 8.86 |
| 11AN0068A | Soil                             | 7.9  | 13.6 | 0.11 | 76.5  | 0.020 | <20 | 0.74 | 0.009 | 0.03 | <0.1 | 0.8 | 0.09 | 0.02  | 37  | 0.2  | 0.03  | 5.7 | 0.50  | 6.63  | 6.20 |
| 11AN0069A | Soil                             | 6.1  | 11.0 | 0.22 | 120.6 | 0.025 | <20 | 0.95 | 0.019 | 0.05 | <0.1 | 1.2 | 0.08 | <0.02 | 34  | <0.1 | 0.03  | 5.8 | 0.43  | 6.12  | 3.89 |
| 11AN0070A | Soil                             | 22.2 | 11.4 | 0.32 | 189.7 | 0.024 | <20 | 1.35 | 0.023 | 0.11 | <0.1 | 1.7 | 0.16 | 0.11  | 105 | 0.3  | 0.03  | 4.0 | 0.56  | 8.61  | 4.83 |
| 11AN0071A | Soil                             | 17.4 | 16.5 | 0.13 | 122.6 | 0.006 | <20 | 1.09 | 0.029 | 0.02 | <0.1 | 0.5 | 0.05 | 0.12  | 144 | 0.5  | 0.03  | 2.4 | 0.24  | 10.35 | 3.24 |
| 11AN0072A | Soil                             | 22.9 | 9.1  | 0.19 | 195.0 | 0.011 | <20 | 0.80 | 0.019 | 0.03 | <0.1 | 1.7 | 0.07 | 0.15  | 134 | 0.4  | 0.02  | 2.0 | 0.84  | 10.06 | 4.44 |
| 11AN0073A | Soil                             | 31.8 | 9.2  | 0.10 | 402.9 | 0.015 | <20 | 0.75 | 0.017 | 0.02 | <0.1 | 3.3 | 0.05 | 0.09  | 131 | 0.4  | <0.02 | 1.8 | 0.89  | 30.69 | 3.22 |
| 11AN0074A | Soil                             | 12.0 | 15.0 | 0.30 | 188.8 | 0.020 | <20 | 0.90 | 0.021 | 0.04 | <0.1 | 2.7 | 0.11 | 0.13  | 135 | 0.5  | <0.02 | 3.1 | 1.30  | 9.57  | 5.29 |
| 11AN0075A | Soil                             | 19.6 | 23.9 | 0.45 | 258.6 | 0.048 | <20 | 1.42 | 0.019 | 0.05 | 0.1  | 4.4 | 0.11 | 0.06  | 63  | 0.4  | 0.03  | 4.5 | 0.71  | 13.48 | 6.03 |
| 11AN0076A | Soil                             | 40.5 | 19.9 | 0.21 | 1063  | 0.014 | <20 | 1.21 | 0.017 | 0.04 | 0.1  | 3.5 | 0.13 | 0.19  | 164 | 0.8  | 0.05  | 3.0 | 25.39 | 23.20 | 9.04 |
| 11AN0077A | Soil                             | 19.8 | 33.1 | 0.41 | 414.1 | 0.028 | <20 | 1.59 | 0.011 | 0.08 | 0.1  | 3.5 | 0.15 | 0.08  | 90  | 0.3  | 0.04  | 5.2 | 1.55  | 13.60 | 7.05 |
| 11AN0078A | Soil                             | 13.5 | 33.5 | 0.47 | 307.0 | 0.040 | <20 | 1.66 | 0.016 | 0.04 | <0.1 | 3.1 | 0.13 | 0.08  | 79  | 0.4  | 0.04  | 5.3 | 4.38  | 19.33 | 7.28 |



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**Project:** Mariposa  
**Report Date:** November 14, 2011

**Page:** 7 of 8 **Part** 3

## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       |
|-----------|----------------------------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|------------|------------|------------|
|           |                                  | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        | P          | La         | Cr         |
|           |                                  | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 | %<br>0.001 | ppm<br>0.5 | ppm<br>0.5 |
| 11AN0049A | Soil                             | 20.0       | 227      | 8.5        | 2.4        | 39       | 1.35      | 1.1        | 3.1        | 2.4        | 0.6        | 24.0       | 0.29        | 0.20        | 0.13        | 18       | 0.13      | 0.076      | 76.6       | 16.8       |
| 11AN0050A | Soil                             | 19.0       | 207      | 6.7        | 3.0        | 36       | 1.01      | 1.6        | 1.0        | 0.7        | 0.3        | 17.9       | 0.20        | 0.19        | 0.14        | 24       | 0.11      | 0.035      | 15.6       | 16.7       |
| 11AN0051A | Soil                             | 18.8       | 211      | 7.4        | 2.1        | 49       | 1.16      | 2.3        | 0.9        | 1.5        | 0.3        | 12.5       | 0.19        | 0.19        | 0.13        | 25       | 0.07      | 0.052      | 11.1       | 16.1       |
| 11AN0052A | Soil                             | 36.0       | 456      | 11.5       | 12.4       | 1156     | 1.47      | 2.1        | 2.6        | 2.3        | 0.7        | 73.8       | 0.29        | 0.45        | 0.31        | 20       | 0.78      | 0.140      | 52.3       | 15.5       |
| 11AN0053A | Soil                             | 21.5       | 82       | 6.1        | 2.4        | 89       | 1.41      | 4.5        | 0.3        | 1.2        | 0.2        | 12.6       | 0.16        | 0.25        | 0.16        | 40       | 0.10      | 0.034      | 9.3        | 16.1       |
| 11AN0054A | Soil                             | 16.9       | 282      | 6.5        | 2.1        | 47       | 1.09      | 1.5        | 1.0        | 1.5        | 0.1        | 25.5       | 0.26        | 0.13        | 0.13        | 18       | 0.18      | 0.099      | 17.0       | 13.8       |
| 11AN0055A | Soil                             | 40.7       | 356      | 16.6       | 7.2        | 357      | 1.90      | 2.1        | 1.1        | 2.1        | 0.7        | 23.9       | 0.13        | 0.18        | 0.11        | 32       | 0.32      | 0.095      | 35.0       | 30.4       |
| 11AN0056A | Soil                             | 60.0       | 156      | 15.6       | 18.5       | 1639     | 2.47      | 2.9        | 0.8        | 1.5        | 2.3        | 33.9       | 0.20        | 0.17        | 0.09        | 52       | 0.49      | 0.097      | 35.8       | 23.9       |
| 11AN0057A | Soil                             | 28.6       | 112      | 5.5        | 2.9        | 421      | 0.63      | 1.0        | 0.3        | 0.8        | 0.3        | 95.0       | 0.39        | 0.29        | 0.05        | 15       | 3.28      | 0.097      | 4.8        | 7.2        |
| 11AN0058A | Soil                             | 47.2       | 115      | 10.2       | 6.5        | 323      | 2.49      | 4.7        | 0.4        | 0.9        | 1.7        | 40.8       | 0.09        | 0.25        | 0.11        | 73       | 0.39      | 0.045      | 9.6        | 23.7       |
| 11AN0059A | Soil                             | 44.6       | 198      | 6.5        | 3.7        | 208      | 1.48      | 1.2        | 0.5        | 0.5        | 0.7        | 76.1       | 0.28        | 0.15        | 0.10        | 40       | 0.74      | 0.043      | 8.4        | 12.2       |
| 11AN0060A | Soil                             | 53.1       | 160      | 12.4       | 9.4        | 939      | 2.49      | 3.9        | 0.8        | 1.1        | 1.8        | 54.8       | 0.11        | 0.25        | 0.12        | 61       | 0.54      | 0.082      | 11.8       | 23.3       |
| 11AN0061A | Soil                             | 53.1       | 154      | 12.3       | 9.0        | 809      | 2.48      | 3.9        | 0.8        | 1.5        | 1.9        | 54.5       | 0.12        | 0.26        | 0.10        | 61       | 0.53      | 0.081      | 11.6       | 23.1       |
| 11AN0062A | Soil                             | 53.4       | 95       | 9.0        | 6.5        | 475      | 2.53      | 4.8        | 0.3        | 1.2        | 1.1        | 46.7       | 0.14        | 0.30        | 0.13        | 64       | 0.33      | 0.092      | 7.0        | 18.8       |
| 11AN0063A | Soil                             | 48.9       | 102      | 11.6       | 7.3        | 875      | 2.35      | 5.1        | 0.5        | 0.2        | 2.1        | 44.6       | 0.19        | 0.32        | 0.13        | 62       | 0.38      | 0.037      | 11.2       | 25.6       |
| 11AN0064A | Soil                             | 41.8       | 263      | 10.7       | 7.7        | 1174     | 2.25      | 4.0        | 0.4        | 3.8        | 1.3        | 41.5       | 0.11        | 0.33        | 0.16        | 60       | 0.23      | 0.036      | 9.4        | 21.2       |
| 11AN0065A | Soil                             | 43.3       | 148      | 9.9        | 5.8        | 612      | 1.94      | 3.5        | 0.2        | 1.9        | 0.9        | 41.3       | 0.28        | 0.32        | 0.19        | 49       | 0.20      | 0.041      | 5.0        | 16.9       |
| 11AN0066A | Soil                             | 108.3      | 180      | 8.6        | 7.3        | 1430     | 2.35      | 2.7        | 0.2        | 3.8        | 0.3        | 68.8       | 0.49        | 0.35        | 0.19        | 56       | 0.37      | 0.080      | 4.7        | 13.6       |
| 11AN0067A | Soil                             | 26.9       | 99       | 7.4        | 3.5        | 122      | 1.79      | 4.3        | 0.2        | 1.2        | 0.7        | 12.3       | 0.06        | 0.27        | 0.17        | 51       | 0.09      | 0.026      | 7.1        | 16.5       |
| 11AN0068A | Soil                             | 11.3       | 64       | 3.4        | 1.4        | 38       | 0.78      | 2.7        | 0.2        | 1.9        | 0.1        | 9.0        | 0.08        | 0.16        | 0.15        | 32       | 0.05      | 0.022      | 5.6        | 10.7       |
| 11AN0069A | Soil                             | 20.7       | 27       | 3.2        | 2.4        | 117      | 1.04      | 1.2        | 0.2        | 1.3        | <0.1       | 43.1       | 0.08        | 0.10        | 0.07        | 28       | 0.15      | 0.039      | 4.1        | 8.2        |
| 11AN0070A | Soil                             | 35.0       | 171      | 6.8        | 14.2       | 1030     | 1.38      | 2.1        | 0.8        | 2.7        | <0.1       | 103.2      | 0.19        | 0.24        | 0.07        | 26       | 0.65      | 0.104      | 18.0       | 10.3       |
| 11AN0071A | Soil                             | 13.1       | 460      | 4.7        | 1.4        | 47       | 0.90      | 0.5        | 1.1        | 2.0        | <0.1       | 116.0      | 0.10        | 0.11        | 0.15        | 8        | 0.53      | 0.128      | 14.0       | 14.1       |
| 11AN0072A | Soil                             | 21.1       | 319      | 7.6        | 10.4       | 479      | 1.14      | 1.0        | 1.2        | 1.8        | <0.1       | 147.3      | 0.17        | 0.49        | 0.05        | 18       | 1.00      | 0.139      | 20.3       | 7.7        |
| 11AN0073A | Soil                             | 31.2       | 604      | 27.5       | 35.9       | 3327     | 2.22      | 3.5        | 1.2        | 1.4        | 0.2        | 99.4       | 1.12        | 0.38        | 0.05        | 22       | 0.76      | 0.087      | 30.6       | 8.6        |
| 11AN0074A | Soil                             | 36.5       | 340      | 7.9        | 11.1       | 701      | 1.55      | 2.5        | 1.0        | 2.3        | 0.2        | 91.5       | 0.16        | 0.34        | 0.07        | 38       | 0.77      | 0.150      | 10.9       | 13.3       |
| 11AN0075A | Soil                             | 42.8       | 140      | 14.1       | 19.0       | 850      | 2.69      | 4.7        | 1.0        | 3.0        | 1.6        | 62.7       | 0.09        | 0.42        | 0.09        | 48       | 0.49      | 0.094      | 18.9       | 22.4       |
| 11AN0076A | Soil                             | 27.7       | 771      | 16.6       | 24.1       | 2059     | 4.64      | 15.2       | 2.7        | 8.4        | 0.6        | 73.3       | 0.55        | 0.47        | 0.14        | 42       | 0.87      | 0.228      | 37.7       | 18.9       |
| 11AN0077A | Soil                             | 40.8       | 257      | 14.2       | 4.4        | 120      | 2.03      | 4.0        | 1.1        | 3.9        | 1.0        | 28.1       | 0.18        | 0.28        | 0.12        | 34       | 0.32      | 0.091      | 16.9       | 27.5       |
| 11AN0078A | Soil                             | 43.3       | 308      | 15.0       | 8.5        | 299      | 2.55      | 4.2        | 1.9        | 1.9        | 1.0        | 31.2       | 0.20        | 0.22        | 0.13        | 57       | 0.35      | 0.111      | 13.5       | 32.4       |





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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0049A | Soil                             | 255.5 | 0.016 | 2    | 0.98 | 0.010 | 0.05 | <0.1 | 2.4  | 0.06 | 0.07  | 89   | 0.1  | <0.02 |
| 11AN0050A | Soil                             | 161.1 | 0.017 | <1   | 0.86 | 0.011 | 0.04 | <0.1 | 1.2  | 0.07 | 0.03  | 46   | 0.1  | 0.03  |
| 11AN0051A | Soil                             | 160.1 | 0.014 | <1   | 0.90 | 0.009 | 0.03 | <0.1 | 1.2  | 0.05 | 0.04  | 66   | 0.2  | 0.03  |
| 11AN0052A | Soil                             | 514.5 | 0.006 | 1    | 0.87 | 0.015 | 0.04 | 0.1  | 2.7  | 0.05 | 0.12  | 143  | 0.3  | 0.03  |
| 11AN0053A | Soil                             | 105.8 | 0.017 | <1   | 0.88 | 0.007 | 0.04 | <0.1 | 0.8  | 0.07 | 0.02  | 18   | 0.2  | 0.05  |
| 11AN0054A | Soil                             | 241.7 | 0.004 | 1    | 0.98 | 0.012 | 0.04 | <0.1 | 0.5  | 0.06 | 0.05  | 76   | 0.3  | <0.02 |
| 11AN0055A | Soil                             | 439.7 | 0.012 | 1    | 1.50 | 0.014 | 0.06 | <0.1 | 3.5  | 0.10 | 0.06  | 87   | 0.2  | <0.02 |
| 11AN0056A | Soil                             | 587.3 | 0.021 | <1   | 1.61 | 0.014 | 0.05 | <0.1 | 5.0  | 0.07 | 0.03  | 58   | <0.1 | <0.02 |
| 11AN0057A | Soil                             | 235.2 | 0.010 | 5    | 0.61 | 0.016 | 0.02 | <0.1 | 1.6  | 0.03 | 0.15  | 81   | 0.3  | <0.02 |
| 11AN0058A | Soil                             | 160.3 | 0.069 | <1   | 1.93 | 0.014 | 0.05 | <0.1 | 3.2  | 0.11 | <0.02 | 16   | <0.1 | 0.02  |
| 11AN0059A | Soil                             | 140.2 | 0.056 | <1   | 1.21 | 0.019 | 0.06 | <0.1 | 3.0  | 0.06 | 0.03  | 36   | <0.1 | <0.02 |
| 11AN0060A | Soil                             | 240.5 | 0.061 | <1   | 2.14 | 0.019 | 0.06 | <0.1 | 4.5  | 0.08 | <0.02 | 30   | 0.1  | 0.03  |
| 11AN0061A | Soil                             | 231.1 | 0.061 | <1   | 2.08 | 0.019 | 0.06 | <0.1 | 4.4  | 0.08 | <0.02 | 40   | <0.1 | 0.03  |
| 11AN0062A | Soil                             | 172.6 | 0.070 | <1   | 1.49 | 0.014 | 0.07 | <0.1 | 2.4  | 0.08 | <0.02 | 12   | 0.1  | 0.02  |
| 11AN0063A | Soil                             | 190.0 | 0.053 | 1    | 1.77 | 0.012 | 0.06 | <0.1 | 3.0  | 0.10 | <0.02 | 29   | 0.1  | 0.02  |
| 11AN0064A | Soil                             | 246.8 | 0.051 | <1   | 1.45 | 0.015 | 0.06 | <0.1 | 2.7  | 0.09 | <0.02 | 38   | <0.1 | 0.04  |
| 11AN0065A | Soil                             | 222.0 | 0.041 | <1   | 1.04 | 0.008 | 0.06 | <0.1 | 1.3  | 0.08 | <0.02 | 31   | <0.1 | <0.02 |
| 11AN0066A | Soil                             | 429.8 | 0.057 | 2    | 1.11 | 0.013 | 0.07 | 0.1  | 1.7  | 0.09 | 0.03  | 27   | 0.1  | 0.05  |
| 11AN0067A | Soil                             | 108.2 | 0.045 | <1   | 1.16 | 0.006 | 0.03 | <0.1 | 1.0  | 0.08 | <0.02 | 15   | <0.1 | <0.02 |
| 11AN0068A | Soil                             | 66.5  | 0.023 | <1   | 0.65 | 0.006 | 0.02 | <0.1 | 0.6  | 0.05 | <0.02 | 27   | 0.1  | <0.02 |
| 11AN0069A | Soil                             | 94.9  | 0.020 | <1   | 0.84 | 0.016 | 0.04 | <0.1 | 0.7  | 0.03 | <0.02 | 41   | <0.1 | <0.02 |
| 11AN0070A | Soil                             | 159.8 | 0.023 | 2    | 1.26 | 0.021 | 0.09 | <0.1 | 1.6  | 0.12 | 0.09  | 97   | 0.3  | <0.02 |
| 11AN0071A | Soil                             | 102.3 | 0.005 | 1    | 1.03 | 0.024 | 0.02 | <0.1 | 0.6  | 0.03 | 0.11  | 105  | 0.4  | <0.02 |
| 11AN0072A | Soil                             | 188.3 | 0.009 | 2    | 0.82 | 0.019 | 0.03 | <0.1 | 1.8  | 0.04 | 0.14  | 119  | 0.2  | <0.02 |
| 11AN0073A | Soil                             | 420.3 | 0.011 | 1    | 0.73 | 0.017 | 0.02 | <0.1 | 3.0  | 0.03 | 0.08  | 115  | 0.2  | <0.02 |
| 11AN0074A | Soil                             | 186.6 | 0.014 | 1    | 0.89 | 0.021 | 0.03 | 0.1  | 2.7  | 0.07 | 0.12  | 109  | 0.3  | <0.02 |
| 11AN0075A | Soil                             | 252.3 | 0.043 | <1   | 1.44 | 0.022 | 0.05 | 0.1  | 4.5  | 0.08 | 0.06  | 54   | 0.3  | 0.02  |
| 11AN0076A | Soil                             | 840.5 | 0.012 | 1    | 1.19 | 0.015 | 0.04 | 0.1  | 3.1  | 0.10 | 0.17  | 152  | 0.6  | 0.04  |
| 11AN0077A | Soil                             | 380.0 | 0.020 | <1   | 1.51 | 0.010 | 0.07 | 0.1  | 3.6  | 0.10 | 0.07  | 72   | 0.3  | 0.02  |
| 11AN0078A | Soil                             | 308.6 | 0.034 | <1   | 1.71 | 0.018 | 0.04 | 0.1  | 3.4  | 0.10 | 0.07  | 67   | 0.3  | 0.02  |



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Project: Mariposa  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11AN0079A | Soil                             | 1.68        | 23.64       | 5.96        | 38.6       | 173      | 12.3       | 6.3        | 201      | 1.78      | 3.6        | 0.8        | 6.1        | 0.6        | 75.0       | 0.23        | 0.24        | 0.08        | 36       | 1.05      |
| 11AN0080A | Soil                             | 3.12        | 18.33       | 5.61        | 42.4       | 114      | 13.6       | 14.9       | 632      | 2.07      | 3.7        | 0.7        | 1.0        | 0.8        | 51.2       | 0.23        | 0.26        | 0.10        | 45       | 0.87      |
| 11AN0081A | Soil                             | 2.91        | 16.65       | 5.45        | 44.2       | 106      | 13.0       | 11.9       | 488      | 2.08      | 4.5        | 0.6        | 0.6        | 0.7        | 46.9       | 0.22        | 0.25        | 0.10        | 47       | 0.82      |
| 11AN0082A | Soil                             | 1.68        | 14.47       | 4.75        | 37.1       | 165      | 9.6        | 4.3        | 108      | 1.45      | 3.1        | 0.6        | 54.5       | 1.0        | 39.0       | 0.23        | 0.22        | 0.10        | 31       | 0.60      |
| 11AN0083A | Soil                             | 1.42        | 10.13       | 6.07        | 43.6       | 98       | 8.8        | 4.8        | 142      | 1.71      | 3.6        | 0.4        | <0.2       | 1.8        | 21.8       | 0.10        | 0.17        | 0.11        | 41       | 0.29      |
| 11AN0084A | Soil                             | 1.15        | 14.04       | 6.37        | 43.2       | 146      | 10.4       | 6.8        | 219      | 1.88      | 3.7        | 0.7        | 0.6        | 1.9        | 19.7       | 0.14        | 0.18        | 0.11        | 39       | 0.23      |
| 11AN0085A | Soil                             | 1.00        | 23.18       | 6.01        | 33.0       | 332      | 10.7       | 3.6        | 96       | 1.53      | 3.0        | 2.1        | 1.3        | 0.7        | 50.6       | 0.37        | 0.25        | 0.10        | 18       | 0.69      |
| 11AN0086A | Soil                             | 0.71        | 33.14       | 5.74        | 28.2       | 276      | 11.4       | 5.7        | 416      | 1.49      | 3.8        | 5.9        | 2.6        | 0.7        | 54.7       | 0.56        | 0.30        | 0.06        | 14       | 0.74      |
| 11AN0087A | Soil                             | 1.00        | 25.90       | 7.59        | 34.6       | 145      | 9.0        | 3.9        | 139      | 1.51      | 3.5        | 1.3        | <0.2       | 0.4        | 20.6       | 0.30        | 0.19        | 0.09        | 31       | 0.24      |
| 11AN0088A | Soil                             | 1.34        | 29.96       | 8.88        | 23.2       | 167      | 9.2        | 2.5        | 62       | 1.31      | 2.5        | 1.8        | 0.5        | 0.5        | 28.7       | 0.14        | 0.14        | 0.12        | 26       | 0.20      |
| 11AN0089A | Soil                             | 1.08        | 12.80       | 7.20        | 26.3       | 271      | 9.4        | 117.3      | 9357     | 1.81      | 2.7        | 1.8        | 1.2        | 0.3        | 60.7       | 0.35        | 0.71        | 0.06        | 17       | 0.78      |
| 11AN0090A | Soil                             | 0.65        | 5.39        | 8.42        | 28.1       | 165      | 6.3        | 3.5        | 148      | 1.45      | 3.2        | 0.3        | 0.6        | 0.9        | 22.5       | 0.10        | 0.11        | 0.14        | 58       | 0.24      |
| 11AN0091A | Soil                             | 0.47        | 12.22       | 4.02        | 14.9       | 441      | 4.5        | 1.5        | 46       | 0.68      | 1.4        | 0.3        | 14.3       | <0.1       | 34.4       | 0.42        | 0.11        | 0.17        | 19       | 0.12      |
| 11AN0092A | Soil                             | 0.65        | 14.03       | 3.34        | 28.7       | 93       | 6.7        | 6.6        | 1000     | 1.05      | 2.9        | 0.5        | 0.6        | 0.1        | 111.8      | 0.25        | 0.41        | 0.11        | 21       | 2.71      |
| 11AN0093A | Soil                             | 1.27        | 19.51       | 8.57        | 18.1       | 255      | 8.4        | 3.3        | 49       | 1.24      | 2.9        | 0.6        | 1.9        | <0.1       | 26.0       | 0.23        | 0.19        | 0.16        | 24       | 0.21      |
| 11AN0094A | Soil                             | 2.12        | 10.76       | 4.94        | 23.1       | 266      | 8.9        | 3.1        | 119      | 0.99      | 3.4        | 0.6        | 2.6        | <0.1       | 19.6       | 0.33        | 0.22        | 0.15        | 22       | 0.19      |
| 11AN0095A | Soil                             | 4.20        | 14.96       | 6.09        | 34.9       | 298      | 11.5       | 8.5        | 949      | 1.29      | 3.8        | 2.0        | 4.1        | 0.2        | 67.4       | 0.50        | 0.33        | 0.11        | 17       | 0.96      |
| 11AN0096A | Soil                             | 2.42        | 14.19       | 6.81        | 43.3       | 174      | 14.7       | 7.0        | 804      | 1.59      | 4.1        | 3.3        | 6.4        | 1.2        | 101.4      | 0.32        | 0.27        | 0.09        | 28       | 1.78      |
| 11AN0097A | Soil                             | 8.34        | 11.75       | 7.20        | 46.7       | 228      | 12.7       | 15.0       | 1998     | 2.08      | 5.1        | 3.7        | 7.6        | 0.7        | 69.6       | 0.43        | 0.26        | 0.12        | 38       | 0.99      |
| 11AN0098A | Soil                             | 10.19       | 14.04       | 7.03        | 59.2       | 192      | 14.9       | 15.3       | 3496     | 2.12      | 5.4        | 4.0        | 6.3        | 1.6        | 87.7       | 0.59        | 0.36        | 0.10        | 40       | 1.42      |
| 11AN0099A | Soil                             | 4.33        | 16.46       | 7.94        | 48.5       | 176      | 15.2       | 11.9       | 826      | 2.20      | 5.0        | 3.9        | 2.7        | 1.8        | 58.1       | 0.21        | 0.28        | 0.12        | 39       | 0.77      |
| 11AN0100A | Soil                             | 2.31        | 14.65       | 3.58        | 27.0       | 230      | 10.2       | 5.5        | 164      | 1.46      | 3.9        | 1.4        | 0.7        | 0.2        | 48.6       | 0.21        | 0.27        | 0.06        | 17       | 0.50      |



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Project: Mariposa  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F    | 1F   | 1F   | 1F    | 1F    | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F   | 1F    | 1F  | 1F   | 1F    | 1F  | 1F    | 1F    | 1F   |
|-----------|----------------------------------|-------|------|------|-------|-------|-----|------|-------|------|------|-----|------|-------|-----|------|-------|-----|-------|-------|------|
|           |                                  | La    | Cr   | Mg   | Ba    | Ti    | B   | Al   | Na    | K    | W    | Sc  | Tl   | S     | Hg  | Se   | Te    | Ga  | Mo    | Cu    | Pb   |
|           |                                  | ppm   | ppm  | %    | ppm   | %     | ppm | %    | %     | %    | ppm  | ppm | ppm  | %     | ppb | ppm  | ppm   | ppm | ppm   | ppm   | ppm  |
|           |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001 | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02 | 0.02  | 5   | 0.1  | 0.02  | 0.1 | 0.01  | 0.01  | 0.01 |
| 11AN0079A | Soil                             | 9.0   | 24.1 | 0.43 | 318.6 | 0.036 | <20 | 1.24 | 0.018 | 0.04 | 0.1  | 2.8 | 0.12 | 0.10  | 99  | 0.4  | 0.03  | 4.5 | 1.50  | 20.11 | 5.13 |
| 11AN0080A | Soil                             | 10.0  | 25.9 | 0.53 | 201.2 | 0.049 | <20 | 1.37 | 0.014 | 0.05 | <0.1 | 2.4 | 0.09 | 0.09  | 59  | 0.4  | 0.03  | 4.6 | 3.02  | 15.82 | 5.45 |
| 11AN0081A | Soil                             | 9.9   | 24.5 | 0.54 | 198.0 | 0.054 | <20 | 1.37 | 0.016 | 0.05 | <0.1 | 2.4 | 0.08 | 0.08  | 55  | 0.4  | 0.03  | 4.8 | 2.59  | 15.10 | 5.62 |
| 11AN0082A | Soil                             | 10.5  | 19.1 | 0.32 | 165.5 | 0.045 | <20 | 0.98 | 0.013 | 0.06 | 0.1  | 2.4 | 0.10 | 0.07  | 66  | 0.2  | 0.05  | 4.2 | 1.54  | 11.88 | 4.48 |
| 11AN0083A | Soil                             | 11.6  | 19.8 | 0.35 | 122.1 | 0.059 | <20 | 1.23 | 0.009 | 0.07 | <0.1 | 2.5 | 0.10 | 0.03  | 32  | 0.2  | <0.02 | 5.6 | 1.20  | 8.53  | 5.23 |
| 11AN0084A | Soil                             | 18.9  | 21.6 | 0.31 | 145.1 | 0.039 | <20 | 1.23 | 0.009 | 0.07 | <0.1 | 2.5 | 0.08 | 0.03  | 47  | 0.4  | 0.05  | 5.0 | 1.06  | 11.65 | 6.26 |
| 11AN0085A | Soil                             | 109.7 | 17.8 | 0.23 | 388.4 | 0.018 | <20 | 1.49 | 0.013 | 0.06 | 0.1  | 2.2 | 0.07 | 0.14  | 122 | 1.1  | 0.03  | 4.4 | 0.85  | 21.00 | 6.02 |
| 11AN0086A | Soil                             | 129.7 | 15.4 | 0.19 | 764.6 | 0.013 | <20 | 1.38 | 0.012 | 0.05 | 0.1  | 2.9 | 0.05 | 0.14  | 139 | 1.7  | 0.03  | 2.7 | 0.63  | 28.48 | 5.58 |
| 11AN0087A | Soil                             | 27.1  | 17.0 | 0.24 | 172.0 | 0.028 | <20 | 0.99 | 0.010 | 0.07 | 0.1  | 1.5 | 0.05 | 0.05  | 61  | 0.4  | <0.02 | 3.8 | 0.88  | 21.70 | 6.43 |
| 11AN0088A | Soil                             | 25.1  | 18.5 | 0.14 | 182.8 | 0.027 | <20 | 1.01 | 0.011 | 0.05 | <0.1 | 1.6 | 0.05 | 0.03  | 55  | 0.4  | 0.03  | 4.6 | 1.19  | 25.03 | 8.08 |
| 11AN0089A | Soil                             | 50.3  | 10.1 | 0.20 | 848.6 | 0.007 | <20 | 0.68 | 0.012 | 0.05 | <0.1 | 3.2 | 0.08 | 0.12  | 153 | 1.1  | 0.06  | 2.7 | 1.02  | 12.18 | 8.22 |
| 11AN0090A | Soil                             | 9.5   | 14.9 | 0.31 | 133.6 | 0.051 | <20 | 1.21 | 0.007 | 0.05 | <0.1 | 2.5 | 0.08 | <0.02 | 90  | 0.1  | 0.02  | 7.0 | 0.59  | 4.60  | 8.10 |
| 11AN0091A | Soil                             | 5.2   | 9.5  | 0.09 | 108.2 | 0.014 | <20 | 0.54 | 0.012 | 0.04 | <0.1 | 0.4 | 0.04 | <0.02 | 70  | <0.1 | <0.02 | 2.8 | 0.49  | 11.26 | 3.71 |
| 11AN0092A | Soil                             | 15.1  | 9.2  | 0.27 | 221.3 | 0.015 | <20 | 0.76 | 0.015 | 0.03 | <0.1 | 1.0 | 0.03 | 0.16  | 87  | 0.3  | 0.02  | 1.9 | 0.60  | 13.01 | 3.24 |
| 11AN0093A | Soil                             | 8.6   | 16.2 | 0.12 | 320.8 | 0.004 | <20 | 0.91 | 0.009 | 0.04 | <0.1 | 0.2 | 0.08 | 0.05  | 62  | 0.2  | 0.03  | 3.5 | 1.10  | 16.64 | 7.73 |
| 11AN0094A | Soil                             | 11.7  | 11.8 | 0.12 | 295.5 | 0.009 | <20 | 0.66 | 0.009 | 0.08 | 0.2  | 0.3 | 0.06 | 0.07  | 100 | 0.3  | 0.03  | 2.8 | 1.91  | 9.68  | 4.94 |
| 11AN0095A | Soil                             | 22.7  | 14.8 | 0.23 | 899.2 | 0.017 | <20 | 0.87 | 0.012 | 0.07 | 0.1  | 1.5 | 0.07 | 0.12  | 121 | 0.2  | 0.03  | 2.2 | 4.01  | 15.51 | 6.30 |
| 11AN0096A | Soil                             | 19.5  | 21.6 | 0.44 | 991.7 | 0.029 | <20 | 1.28 | 0.014 | 0.05 | <0.1 | 2.6 | 0.08 | 0.17  | 95  | 0.4  | 0.02  | 3.2 | 2.39  | 13.06 | 6.59 |
| 11AN0097A | Soil                             | 21.1  | 23.4 | 0.43 | 838.8 | 0.029 | <20 | 1.33 | 0.016 | 0.05 | 0.1  | 2.6 | 0.10 | 0.12  | 96  | 0.5  | 0.04  | 3.7 | 8.36  | 10.60 | 7.00 |
| 11AN0098A | Soil                             | 19.3  | 21.7 | 0.43 | 909.6 | 0.034 | <20 | 1.33 | 0.013 | 0.05 | 0.1  | 2.8 | 0.09 | 0.11  | 73  | 0.4  | 0.06  | 3.6 | 10.05 | 12.88 | 6.67 |
| 11AN0099A | Soil                             | 21.3  | 24.5 | 0.40 | 548.3 | 0.036 | <20 | 1.37 | 0.013 | 0.06 | <0.1 | 3.2 | 0.09 | 0.08  | 67  | 0.3  | 0.05  | 4.1 | 4.31  | 15.29 | 7.47 |
| 11AN0100A | Soil                             | 14.3  | 15.1 | 0.22 | 322.1 | 0.018 | <20 | 0.74 | 0.012 | 0.04 | <0.1 | 1.7 | 0.06 | 0.13  | 141 | 0.2  | <0.02 | 2.1 | 2.34  | 13.16 | 3.93 |



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Project: Mariposa  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15   | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 |
|-----------|----------------------------------|------|------|------|-------|--------|------|------|------|------|------|-------|------|------|------|------|------|-------|-------|------|
|           |                                  | Zn   | Ag   | Ni   | Co    | Mn     | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   | P     | La    | Cr   |
|           |                                  | ppm  | ppb  | ppm  | ppm   | ppm    | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    | %     | ppm   | ppm  |
|           |                                  | 0.1  | 2    | 0.1  | 0.1   | 1      | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 | 0.001 | 0.5   | 0.5  |
| 11AN0079A | Soil                             | 34.8 | 180  | 11.4 | 5.2   | 182    | 1.63 | 2.6  | 0.6  | 1.6  | 0.5  | 73.6  | 0.22 | 0.29 | 0.08 | 35   | 0.93 | 0.072 | 8.7   | 21.9 |
| 11AN0080A | Soil                             | 39.7 | 97   | 11.2 | 12.7  | 598    | 1.91 | 3.1  | 0.7  | 5.3  | 0.6  | 52.1  | 0.26 | 0.36 | 0.29 | 41   | 0.83 | 0.082 | 9.2   | 22.7 |
| 11AN0081A | Soil                             | 40.9 | 90   | 11.4 | 10.4  | 452    | 1.90 | 3.4  | 0.6  | 1.6  | 0.7  | 46.6  | 0.20 | 0.29 | 0.27 | 43   | 0.77 | 0.078 | 8.7   | 22.9 |
| 11AN0082A | Soil                             | 31.6 | 134  | 8.1  | 3.5   | 95     | 1.28 | 1.9  | 0.5  | 1.7  | 0.8  | 37.5  | 0.22 | 0.25 | 0.27 | 27   | 0.54 | 0.053 | 8.9   | 16.2 |
| 11AN0083A | Soil                             | 37.1 | 77   | 7.2  | 4.1   | 120    | 1.53 | 3.1  | 0.4  | 2.8  | 1.5  | 20.7  | 0.09 | 0.21 | 0.14 | 36   | 0.25 | 0.032 | 10.1  | 16.4 |
| 11AN0084A | Soil                             | 39.1 | 119  | 8.6  | 5.4   | 191    | 1.68 | 3.4  | 0.6  | 0.9  | 1.4  | 17.7  | 0.12 | 0.21 | 0.15 | 34   | 0.18 | 0.054 | 16.1  | 17.9 |
| 11AN0085A | Soil                             | 29.9 | 303  | 9.1  | 3.0   | 84     | 1.28 | 1.4  | 2.0  | 1.1  | 0.5  | 50.1  | 0.35 | 0.24 | 0.23 | 15   | 0.61 | 0.110 | 94.9  | 15.6 |
| 11AN0086A | Soil                             | 24.4 | 236  | 9.6  | 5.0   | 381    | 1.33 | 1.7  | 5.6  | 2.3  | 0.8  | 52.3  | 0.54 | 0.30 | 0.16 | 14   | 0.67 | 0.105 | 104.7 | 13.4 |
| 11AN0087A | Soil                             | 25.0 | 148  | 6.6  | 2.5   | 88     | 1.06 | 2.1  | 1.2  | <0.2 | 0.1  | 21.6  | 0.28 | 0.17 | 0.13 | 21   | 0.21 | 0.064 | 24.2  | 12.9 |
| 11AN0088A | Soil                             | 19.5 | 139  | 7.5  | 2.1   | 51     | 1.17 | 1.9  | 1.7  | <0.2 | 0.4  | 26.1  | 0.14 | 0.17 | 0.15 | 23   | 0.17 | 0.037 | 21.2  | 15.9 |
| 11AN0089A | Soil                             | 23.4 | 246  | 8.7  | 121.1 | >10000 | 1.75 | 1.3  | 1.9  | 0.5  | 0.4  | 63.9  | 0.37 | 0.80 | 0.09 | 23   | 0.77 | 0.150 | 48.8  | 9.2  |
| 11AN0090A | Soil                             | 24.9 | 140  | 5.4  | 3.4   | 176    | 1.33 | 2.5  | 0.3  | <0.2 | 0.8  | 20.1  | 0.08 | 0.15 | 0.13 | 51   | 0.21 | 0.024 | 8.2   | 13.2 |
| 11AN0091A | Soil                             | 15.0 | 420  | 4.6  | 1.5   | 46     | 0.62 | 0.7  | 0.3  | 2.5  | <0.1 | 29.9  | 0.42 | 0.11 | 0.11 | 18   | 0.13 | 0.054 | 5.0   | 9.0  |
| 11AN0092A | Soil                             | 29.2 | 88   | 6.7  | 6.5   | 947    | 1.01 | 1.4  | 0.5  | 0.2  | 0.1  | 105.3 | 0.26 | 0.38 | 0.08 | 21   | 2.46 | 0.096 | 13.7  | 9.1  |
| 11AN0093A | Soil                             | 16.4 | 212  | 7.6  | 2.9   | 42     | 1.09 | 1.8  | 0.5  | 1.8  | 0.1  | 22.2  | 0.18 | 0.18 | 0.16 | 22   | 0.19 | 0.068 | 7.6   | 14.3 |
| 11AN0094A | Soil                             | 22.9 | 225  | 8.4  | 3.1   | 105    | 0.94 | 1.9  | 0.5  | 0.6  | <0.1 | 16.8  | 0.34 | 0.23 | 0.15 | 20   | 0.17 | 0.089 | 10.4  | 11.0 |
| 11AN0095A | Soil                             | 35.0 | 259  | 11.4 | 8.6   | 961    | 1.17 | 1.7  | 1.9  | 2.5  | 0.1  | 62.6  | 0.57 | 0.29 | 0.43 | 16   | 0.89 | 0.104 | 21.8  | 13.3 |
| 11AN0096A | Soil                             | 42.8 | 155  | 13.4 | 6.9   | 771    | 1.44 | 2.6  | 3.1  | 9.4  | 1.2  | 95.4  | 0.31 | 0.28 | 0.16 | 25   | 1.73 | 0.078 | 18.2  | 19.9 |
| 11AN0097A | Soil                             | 43.4 | 215  | 11.8 | 13.6  | 1865   | 1.89 | 3.4  | 3.5  | 7.4  | 0.7  | 63.7  | 0.41 | 0.29 | 0.14 | 35   | 0.90 | 0.102 | 18.6  | 21.3 |
| 11AN0098A | Soil                             | 55.9 | 161  | 13.9 | 14.3  | 3283   | 1.90 | 3.8  | 3.8  | 10.1 | 1.6  | 80.0  | 0.56 | 0.41 | 0.13 | 36   | 1.32 | 0.073 | 17.5  | 20.0 |
| 11AN0099A | Soil                             | 46.8 | 166  | 14.1 | 11.0  | 777    | 2.04 | 3.6  | 3.8  | 6.1  | 1.9  | 52.1  | 0.19 | 0.33 | 0.13 | 37   | 0.70 | 0.068 | 19.8  | 22.5 |
| 11AN0100A | Soil                             | 27.5 | 209  | 9.6  | 5.0   | 150    | 1.42 | 2.0  | 1.2  | 1.7  | 0.2  | 41.2  | 0.18 | 0.26 | 0.10 | 19   | 0.44 | 0.115 | 12.6  | 15.2 |



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**Project:** Mariposa  
**Report Date:** November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001133.2

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0079A | Soil                             | 321.2 | 0.032 | <1   | 1.22 | 0.018 | 0.04 | 0.1  | 2.6  | 0.08 | 0.09  | 73   | 0.3  | 0.02  |
| 11AN0080A | Soil                             | 211.3 | 0.035 | 2    | 1.25 | 0.013 | 0.04 | 0.1  | 1.8  | 0.08 | 0.08  | 53   | 0.3  | <0.02 |
| 11AN0081A | Soil                             | 199.0 | 0.038 | 3    | 1.32 | 0.014 | 0.05 | 0.1  | 2.0  | 0.08 | 0.08  | 57   | 0.2  | 0.02  |
| 11AN0082A | Soil                             | 166.8 | 0.029 | 2    | 0.89 | 0.012 | 0.05 | <0.1 | 1.7  | 0.09 | 0.06  | 50   | 0.2  | <0.02 |
| 11AN0083A | Soil                             | 114.4 | 0.043 | <1   | 1.15 | 0.008 | 0.06 | 0.1  | 1.9  | 0.09 | 0.03  | 42   | <0.1 | 0.02  |
| 11AN0084A | Soil                             | 139.4 | 0.027 | <1   | 1.13 | 0.008 | 0.06 | <0.1 | 1.7  | 0.07 | 0.03  | 55   | 0.2  | <0.02 |
| 11AN0085A | Soil                             | 379.1 | 0.011 | 2    | 1.25 | 0.011 | 0.05 | <0.1 | 1.4  | 0.06 | 0.12  | 110  | 0.4  | <0.02 |
| 11AN0086A | Soil                             | 710.8 | 0.010 | 2    | 1.26 | 0.010 | 0.04 | <0.1 | 2.2  | 0.05 | 0.13  | 110  | 0.3  | <0.02 |
| 11AN0087A | Soil                             | 175.2 | 0.012 | 1    | 0.72 | 0.010 | 0.05 | 0.1  | 0.7  | 0.03 | 0.05  | 76   | 0.2  | 0.03  |
| 11AN0088A | Soil                             | 177.8 | 0.021 | <1   | 0.94 | 0.010 | 0.04 | <0.1 | 1.1  | 0.05 | 0.03  | 51   | 0.2  | 0.02  |
| 11AN0089A | Soil                             | 834.7 | 0.006 | 2    | 0.67 | 0.011 | 0.05 | <0.1 | 3.1  | 0.09 | 0.12  | 158  | 0.5  | 0.02  |
| 11AN0090A | Soil                             | 132.0 | 0.036 | <1   | 1.14 | 0.006 | 0.04 | <0.1 | 1.8  | 0.08 | <0.02 | 22   | <0.1 | <0.02 |
| 11AN0091A | Soil                             | 108.8 | 0.012 | <1   | 0.57 | 0.013 | 0.04 | <0.1 | 0.4  | 0.04 | 0.04  | 56   | 0.2  | <0.02 |
| 11AN0092A | Soil                             | 223.0 | 0.013 | 4    | 0.79 | 0.016 | 0.03 | <0.1 | 0.9  | 0.04 | 0.14  | 83   | 0.4  | <0.02 |
| 11AN0093A | Soil                             | 294.3 | 0.003 | <1   | 0.89 | 0.009 | 0.04 | <0.1 | 0.3  | 0.06 | 0.04  | 53   | 0.2  | 0.03  |
| 11AN0094A | Soil                             | 271.3 | 0.005 | <1   | 0.65 | 0.009 | 0.07 | <0.1 | 0.3  | 0.04 | 0.06  | 71   | 0.2  | 0.04  |
| 11AN0095A | Soil                             | 848.3 | 0.012 | 2    | 0.81 | 0.012 | 0.06 | 0.1  | 1.3  | 0.02 | 0.10  | 101  | 0.4  | <0.02 |
| 11AN0096A | Soil                             | 861.8 | 0.019 | 2    | 1.17 | 0.014 | 0.05 | 0.1  | 2.6  | 0.07 | 0.14  | 88   | 0.5  | <0.02 |
| 11AN0097A | Soil                             | 786.4 | 0.022 | 1    | 1.23 | 0.013 | 0.05 | 0.1  | 2.6  | 0.09 | 0.10  | 81   | 0.5  | <0.02 |
| 11AN0098A | Soil                             | 811.3 | 0.025 | 1    | 1.14 | 0.011 | 0.04 | 0.2  | 2.7  | 0.07 | 0.09  | 63   | 0.5  | 0.04  |
| 11AN0099A | Soil                             | 498.6 | 0.027 | 1    | 1.26 | 0.012 | 0.06 | 0.1  | 3.2  | 0.08 | 0.07  | 65   | 0.4  | 0.03  |
| 11AN0100A | Soil                             | 304.1 | 0.016 | 1    | 0.83 | 0.013 | 0.04 | 0.1  | 1.6  | 0.06 | 0.12  | 96   | 0.2  | 0.02  |



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Project: Mariposa

Report Date: November 14, 2011

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## QUALITY CONTROL REPORT

WHI11001133.2

|                 | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F    | 1F    | 1F    | 1F  | 1F   | 1F   | 1F   | 1F   | 1F   | 1F  | 1F   | 1F   | 1F   | 1F   | 1F   | 1F   | 1F  | 1F   | 1F    |
|-----------------|----------------------------------|------|-------|-------|-------|-----|------|------|------|------|------|-----|------|------|------|------|------|------|-----|------|-------|
|                 |                                  | Mo   | Cu    | Pb    | Zn    | Ag  | Ni   | Co   | Mn   | Fe   | As   | U   | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V   | Ca   | P     |
|                 |                                  | ppm  | ppm   | ppm   | ppm   | ppb | ppm  | ppm  | ppm  | %    | ppm  | ppm | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | %    | %     |
|                 |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2   | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1 | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2   | 0.01 | 0.001 |
| Pulp Duplicates |                                  |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11CB0723A       | Soil                             | 0.96 | 14.49 | 5.88  | 15.9  | 483 | 8.0  | 2.1  | 37   | 0.87 | 1.8  | 0.5 | 2.5  | <0.1 | 22.4 | 0.28 | 0.15 | 0.09 | 13  | 0.14 | 0.102 |
| REP 11CB0723A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11CB0739A       | Soil                             | 4.57 | 35.61 | 17.05 | 105.6 | 816 | 23.6 | 9.4  | 527  | 4.17 | 9.5  | 1.8 | 6.6  | 9.2  | 37.6 | 0.66 | 0.17 | 0.36 | 66  | 0.43 | 0.215 |
| REP 11CB0739A   | QC                               | 4.62 | 34.80 | 16.98 | 105.3 | 816 | 23.3 | 9.4  | 502  | 4.11 | 9.8  | 1.8 | 7.9  | 9.1  | 38.0 | 0.68 | 0.18 | 0.35 | 66  | 0.42 | 0.211 |
| 11CB0740A       | Soil                             | 4.75 | 35.22 | 16.39 | 112.5 | 751 | 26.1 | 10.1 | 426  | 4.50 | 10.0 | 1.6 | 16.5 | 9.9  | 31.3 | 0.71 | 0.17 | 0.42 | 76  | 0.32 | 0.182 |
| REP 11CB0740A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11CB0755A       | Soil                             | 1.01 | 25.56 | 9.33  | 16.7  | 89  | 11.2 | 2.8  | 52   | 0.97 | 2.7  | 1.6 | 1.1  | 0.1  | 19.6 | 0.30 | 0.19 | 0.14 | 18  | 0.09 | 0.073 |
| REP 11CB0755A   | QC                               | 0.93 | 23.21 | 8.18  | 15.1  | 82  | 9.9  | 2.4  | 47   | 0.97 | 2.5  | 1.5 | 1.4  | <0.1 | 17.8 | 0.30 | 0.18 | 0.12 | 18  | 0.09 | 0.068 |
| 11CB0758A       | Soil                             | 0.68 | 24.42 | 6.85  | 13.5  | 139 | 8.1  | 2.0  | 39   | 1.07 | 2.6  | 0.8 | 14.4 | <0.1 | 17.9 | 0.34 | 0.13 | 0.14 | 21  | 0.09 | 0.052 |
| REP 11CB0758A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11CB0773A       | Soil                             | 1.00 | 9.68  | 5.25  | 17.0  | 196 | 5.9  | 1.8  | 95   | 0.86 | 4.2  | 0.2 | 1.2  | <0.1 | 17.7 | 0.26 | 0.22 | 0.11 | 24  | 0.10 | 0.071 |
| REP 11CB0773A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11CB0791A       | Soil                             | 4.19 | 12.32 | 2.19  | 18.7  | 74  | 4.8  | 2.8  | 506  | 0.44 | 0.8  | 0.6 | 1.7  | 0.2  | 79.1 | 0.18 | 0.31 | 0.02 | 6   | 1.40 | 0.080 |
| REP 11CB0791A   | QC                               | 4.29 | 12.55 | 1.98  | 19.2  | 78  | 4.9  | 2.9  | 515  | 0.46 | 0.7  | 0.6 | 1.2  | 0.2  | 79.7 | 0.18 | 0.33 | 0.04 | 6   | 1.45 | 0.083 |
| 11CB0799A       | Soil                             | 0.78 | 26.00 | 6.84  | 30.9  | 406 | 11.1 | 3.9  | 113  | 1.37 | 4.0  | 1.2 | 0.7  | 0.8  | 33.1 | 0.42 | 0.25 | 0.11 | 27  | 0.24 | 0.047 |
| REP 11CB0799A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11AN0004A       | Soil                             | 1.85 | 17.13 | 8.04  | 28.8  | 419 | 8.9  | 2.6  | 110  | 0.83 | 2.3  | 0.5 | 0.9  | <0.1 | 18.4 | 0.50 | 0.24 | 0.09 | 20  | 0.15 | 0.086 |
| REP 11AN0004A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11AN0016A       | Soil                             | 0.47 | 13.16 | 5.74  | 20.3  | 334 | 5.9  | 1.8  | 41   | 0.66 | 1.7  | 0.3 | 0.5  | <0.1 | 38.5 | 0.35 | 0.09 | 0.11 | 15  | 0.35 | 0.062 |
| REP 11AN0016A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11AN0023A       | Soil                             | 0.70 | 19.17 | 7.50  | 35.2  | 410 | 13.8 | 6.0  | 140  | 2.09 | 6.4  | 2.0 | 3.1  | 0.2  | 79.8 | 0.17 | 0.27 | 0.15 | 39  | 0.52 | 0.083 |
| REP 11AN0023A   | QC                               | 0.68 | 18.76 | 7.35  | 33.8  | 424 | 13.8 | 5.9  | 141  | 2.09 | 6.5  | 2.0 | 2.7  | 0.2  | 80.8 | 0.17 | 0.27 | 0.16 | 39  | 0.52 | 0.084 |
| 11AN0030A       | Soil                             | 0.91 | 31.62 | 9.73  | 25.4  | 118 | 12.6 | 3.9  | 175  | 1.41 | 2.3  | 0.5 | 1.0  | <0.1 | 25.6 | 0.28 | 0.15 | 0.20 | 31  | 0.18 | 0.116 |
| REP 11AN0030A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11AN0060A       | Soil                             | 0.75 | 16.61 | 8.71  | 66.1  | 171 | 15.6 | 12.4 | 1084 | 2.82 | 5.1  | 1.0 | 1.4  | 2.0  | 57.8 | 0.13 | 0.15 | 0.10 | 65  | 0.63 | 0.087 |
| REP 11AN0060A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |
| 11AN0066A       | Soil                             | 0.73 | 10.59 | 7.61  | 115.2 | 175 | 10.2 | 8.4  | 1495 | 2.58 | 2.2  | 0.2 | 0.8  | 0.4  | 73.9 | 0.53 | 0.12 | 0.13 | 61  | 0.41 | 0.082 |
| REP 11AN0066A   | QC                               |      |       |       |       |     |      |      |      |      |      |     |      |      |      |      |      |      |     |      |       |



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Project: Mariposa

Report Date: November 14, 2011

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## QUALITY CONTROL REPORT

WHI11001133.2

|                 | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F   | 1F   | 1F    | 1F    | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F   | 1F    | 1F  | 1F  | 1F    | 1F   | 1F15 | 1F15  | 1F15  |       |
|-----------------|----------------------------------|------|------|------|-------|-------|-----|------|-------|------|------|-----|------|-------|-----|-----|-------|------|------|-------|-------|-------|
|                 |                                  | La   | Cr   | Mg   | Ba    | Ti    | B   | Al   | Na    | K    | W    | Sc  | Tl   | S     | Hg  | Se  | Te    | Ga   | Mo   | Cu    | Pb    |       |
|                 |                                  | ppm  | ppm  | %    | ppm   | %     | ppm | %    | %     | %    | ppm  | ppm | ppm  | %     | ppb | ppm | ppm   | ppm  | ppm  | ppm   | ppm   |       |
|                 |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02 | 0.02  | 5   | 0.1 | 0.02  | 0.1  | 0.01 | 0.01  | 0.01  |       |
| Pulp Duplicates |                                  |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      |       |       |       |
| 11CB0723A       | Soil                             | 4.5  | 12.5 | 0.07 | 297.2 | 0.002 | <20 | 0.65 | 0.012 | 0.05 | <0.1 | 0.2 | 0.03 | 0.07  | 127 | 0.4 | <0.02 | 2.1  | 0.90 | 13.82 | 5.99  |       |
| REP 11CB0723A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 0.93  | 14.95 | 6.30  |
| 11CB0739A       | Soil                             | 45.6 | 37.7 | 0.43 | 857.4 | 0.034 | <20 | 3.31 | 0.018 | 0.30 | <0.1 | 6.9 | 0.10 | <0.02 | 14  | 0.4 | 0.03  | 9.6  | 5.00 | 31.21 | 14.99 |       |
| REP 11CB0739A   | QC                               | 45.8 | 36.7 | 0.42 | 848.0 | 0.035 | <20 | 3.24 | 0.017 | 0.29 | <0.1 | 6.8 | 0.09 | <0.02 | 8   | 0.4 | <0.02 | 9.4  |      |       |       |       |
| 11CB0740A       | Soil                             | 33.6 | 42.6 | 0.49 | 680.1 | 0.036 | <20 | 3.47 | 0.017 | 0.31 | <0.1 | 7.4 | 0.15 | <0.02 | 22  | 0.3 | 0.08  | 11.3 | 5.36 | 29.17 | 14.35 |       |
| REP 11CB0740A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 5.23  | 30.05 | 14.01 |
| 11CB0755A       | Soil                             | 24.0 | 17.7 | 0.08 | 239.7 | 0.011 | <20 | 0.66 | 0.009 | 0.04 | <0.1 | 0.5 | 0.04 | 0.06  | 99  | 0.4 | 0.05  | 2.5  | 1.03 | 20.87 | 8.59  |       |
| REP 11CB0755A   | QC                               | 22.8 | 14.1 | 0.08 | 222.9 | 0.010 | <20 | 0.67 | 0.009 | 0.04 | <0.1 | 0.4 | 0.03 | 0.06  | 103 | 0.4 | 0.05  | 2.3  |      |       |       |       |
| 11CB0758A       | Soil                             | 12.2 | 16.2 | 0.08 | 220.8 | 0.012 | <20 | 0.77 | 0.011 | 0.03 | <0.1 | 0.4 | 0.03 | 0.04  | 65  | 0.3 | 0.03  | 3.3  | 0.83 | 24.76 | 7.77  |       |
| REP 11CB0758A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 0.79  | 22.91 | 7.37  |
| 11CB0773A       | Soil                             | 3.0  | 10.0 | 0.08 | 169.1 | 0.011 | <20 | 0.51 | 0.012 | 0.04 | <0.1 | 0.2 | 0.04 | 0.05  | 113 | 0.3 | 0.04  | 2.4  | 1.12 | 9.33  | 5.98  |       |
| REP 11CB0773A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 1.19  | 9.70  | 6.16  |
| 11CB0791A       | Soil                             | 8.3  | 4.9  | 0.18 | 291.9 | 0.008 | <20 | 0.24 | 0.013 | 0.02 | <0.1 | 0.5 | 0.02 | 0.13  | 144 | 0.2 | 0.03  | 0.6  | I.S. | I.S.  | I.S.  |       |
| REP 11CB0791A   | QC                               | 8.2  | 5.2  | 0.19 | 279.4 | 0.009 | <20 | 0.25 | 0.013 | 0.02 | <0.1 | 0.6 | 0.03 | 0.13  | 155 | 0.3 | <0.02 | 0.6  |      |       |       |       |
| 11CB0799A       | Soil                             | 55.5 | 14.9 | 0.18 | 376.8 | 0.036 | <20 | 1.03 | 0.009 | 0.05 | <0.1 | 2.2 | 0.04 | 0.04  | 60  | 0.2 | <0.02 | 3.4  | 1.01 | 28.85 | 7.73  |       |
| REP 11CB0799A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 0.99  | 29.11 | 7.25  |
| 11AN0004A       | Soil                             | 7.2  | 12.0 | 0.07 | 226.8 | 0.002 | <20 | 0.55 | 0.011 | 0.05 | <0.1 | 0.1 | 0.04 | 0.05  | 94  | 0.1 | 0.03  | 2.2  | 2.32 | 19.21 | 8.51  |       |
| REP 11AN0004A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 2.28  | 18.27 | 8.36  |
| 11AN0016A       | Soil                             | 4.8  | 10.4 | 0.09 | 184.6 | 0.004 | <20 | 0.59 | 0.012 | 0.04 | <0.1 | 0.3 | 0.04 | 0.04  | 67  | 0.2 | 0.02  | 2.4  | 0.46 | 10.27 | 5.13  |       |
| REP 11AN0016A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 0.44  | 10.48 | 5.30  |
| 11AN0023A       | Soil                             | 25.9 | 26.0 | 0.33 | 207.2 | 0.028 | <20 | 1.89 | 0.009 | 0.05 | 0.1  | 3.9 | 0.08 | 0.07  | 117 | 0.3 | 0.02  | 5.8  | 0.56 | 14.11 | 5.83  |       |
| REP 11AN0023A   | QC                               | 25.9 | 26.7 | 0.33 | 207.3 | 0.028 | <20 | 1.89 | 0.009 | 0.05 | <0.1 | 4.0 | 0.08 | 0.07  | 121 | 0.4 | 0.03  | 5.9  |      |       |       |       |
| 11AN0030A       | Soil                             | 9.5  | 22.2 | 0.16 | 270.4 | 0.007 | <20 | 1.13 | 0.011 | 0.04 | <0.1 | 0.3 | 0.09 | 0.03  | 50  | 0.4 | 0.05  | 4.6  | 0.90 | 23.59 | 7.75  |       |
| REP 11AN0030A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 0.81  | 22.81 | 8.05  |
| 11AN0060A       | Soil                             | 13.4 | 28.8 | 0.62 | 262.5 | 0.076 | <20 | 2.26 | 0.019 | 0.06 | <0.1 | 4.9 | 0.13 | <0.02 | 47  | 0.2 | 0.03  | 8.4  | 0.66 | 12.75 | 6.84  |       |
| REP 11AN0060A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 0.63  | 12.61 | 6.73  |
| 11AN0066A       | Soil                             | 5.6  | 15.5 | 0.43 | 443.2 | 0.049 | <20 | 1.24 | 0.018 | 0.08 | <0.1 | 2.1 | 0.12 | 0.02  | 33  | 0.1 | 0.02  | 8.5  | 0.78 | 9.64  | 7.11  |       |
| REP 11AN0066A   | QC                               |      |      |      |       |       |     |      |       |      |      |     |      |       |     |     |       |      |      | 0.73  | 8.82  | 6.44  |



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## QUALITY CONTROL REPORT

WHI11001133.2

|                 | Method | Analyte | Unit | MDL | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------------|--------|---------|------|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 |        |         |      |     | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    | Ca   | P     |
|                 |        |         |      |     | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | %    | %     |
|                 |        |         |      |     | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01 | 0.001 |
| Pulp Duplicates |        |         |      |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
| 11CB0723A       | Soil   |         |      |     | 15.2  | 475  | 7.1  | 2.3  | 36   | 0.88 | 1.3  | 0.5  | 2.5  | <0.1 | 21.4 | 0.32 | 0.14 | 0.10 | 14   | 0.13 | 0.107 |
| REP 11CB0723A   | QC     |         |      |     | 16.1  | 477  | 7.1  | 2.3  | 38   | 0.92 | 1.4  | 0.5  | 1.7  | <0.1 | 22.3 | 0.35 | 0.16 | 0.11 | 14   | 0.14 | 0.107 |
| 11CB0739A       | Soil   |         |      |     | 103.2 | 807  | 21.9 | 9.1  | 495  | 3.96 | 8.2  | 1.5  | 6.3  | 7.9  | 36.2 | 0.65 | 0.39 | 0.31 | 67   | 0.39 | 0.213 |
| REP 11CB0739A   | QC     |         |      |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
| 11CB0740A       | Soil   |         |      |     | 96.1  | 669  | 21.8 | 9.1  | 364  | 3.98 | 9.0  | 1.4  | 7.5  | 8.6  | 26.4 | 0.54 | 0.38 | 0.34 | 70   | 0.28 | 0.167 |
| REP 11CB0740A   | QC     |         |      |     | 95.0  | 670  | 21.3 | 9.0  | 365  | 4.00 | 9.1  | 1.4  | 8.1  | 8.3  | 25.7 | 0.51 | 0.38 | 0.34 | 71   | 0.27 | 0.172 |
| 11CB0755A       | Soil   |         |      |     | 16.9  | 92   | 10.0 | 2.4  | 49   | 1.05 | 1.8  | 1.4  | 1.2  | <0.1 | 19.0 | 0.29 | 0.21 | 0.13 | 20   | 0.10 | 0.082 |
| REP 11CB0755A   | QC     |         |      |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
| 11CB0758A       | Soil   |         |      |     | 15.0  | 176  | 8.8  | 2.1  | 42   | 1.21 | 2.0  | 0.9  | 0.5  | 0.2  | 20.5 | 0.40 | 0.17 | 0.16 | 23   | 0.11 | 0.064 |
| REP 11CB0758A   | QC     |         |      |     | 15.4  | 160  | 8.2  | 2.1  | 41   | 1.17 | 2.1  | 0.8  | 1.5  | 0.1  | 19.3 | 0.39 | 0.16 | 0.16 | 23   | 0.10 | 0.062 |
| 11CB0773A       | Soil   |         |      |     | 19.6  | 241  | 6.0  | 1.9  | 101  | 0.97 | 2.4  | 0.2  | 1.3  | <0.1 | 20.4 | 0.28 | 0.26 | 0.16 | 27   | 0.12 | 0.084 |
| REP 11CB0773A   | QC     |         |      |     | 22.0  | 238  | 6.4  | 2.0  | 104  | 1.00 | 2.6  | 0.2  | 1.2  | <0.1 | 20.6 | 0.27 | 0.26 | 0.14 | 28   | 0.12 | 0.084 |
| 11CB0791A       | Soil   |         |      |     | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| REP 11CB0791A   | QC     |         |      |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
| 11CB0799A       | Soil   |         |      |     | 35.4  | 429  | 13.1 | 4.8  | 120  | 1.50 | 3.1  | 1.2  | 0.3  | 1.1  | 33.1 | 0.46 | 0.27 | 0.13 | 31   | 0.27 | 0.059 |
| REP 11CB0799A   | QC     |         |      |     | 33.7  | 450  | 13.1 | 4.8  | 121  | 1.49 | 3.2  | 1.2  | 0.8  | 1.2  | 34.4 | 0.48 | 0.29 | 0.17 | 31   | 0.28 | 0.058 |
| 11AN0004A       | Soil   |         |      |     | 31.5  | 442  | 10.5 | 3.2  | 120  | 0.97 | 1.8  | 0.5  | 1.6  | <0.1 | 19.7 | 0.54 | 0.25 | 0.11 | 23   | 0.16 | 0.116 |
| REP 11AN0004A   | QC     |         |      |     | 31.7  | 438  | 10.4 | 3.0  | 119  | 0.92 | 1.7  | 0.5  | 3.2  | 0.1  | 19.1 | 0.55 | 0.24 | 0.11 | 22   | 0.16 | 0.119 |
| 11AN0016A       | Soil   |         |      |     | 20.4  | 366  | 5.4  | 1.7  | 43   | 0.70 | 0.7  | 0.3  | 1.2  | <0.1 | 43.4 | 0.35 | 0.11 | 0.12 | 15   | 0.37 | 0.071 |
| REP 11AN0016A   | QC     |         |      |     | 19.5  | 325  | 4.8  | 1.5  | 37   | 0.62 | 0.6  | 0.3  | 0.8  | <0.1 | 37.1 | 0.32 | 0.09 | 0.10 | 13   | 0.33 | 0.064 |
| 11AN0023A       | Soil   |         |      |     | 29.6  | 371  | 10.8 | 4.8  | 117  | 1.90 | 4.6  | 1.6  | 2.5  | 0.2  | 70.0 | 0.14 | 0.25 | 0.13 | 35   | 0.42 | 0.079 |
| REP 11AN0023A   | QC     |         |      |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
| 11AN0030A       | Soil   |         |      |     | 24.3  | 100  | 9.9  | 3.3  | 162  | 1.43 | 2.3  | 0.6  | 1.6  | 0.1  | 26.5 | 0.28 | 0.18 | 0.19 | 31   | 0.17 | 0.127 |
| REP 11AN0030A   | QC     |         |      |     | 21.8  | 102  | 9.5  | 3.0  | 151  | 1.27 | 1.9  | 0.4  | 1.3  | 0.1  | 23.0 | 0.25 | 0.17 | 0.17 | 27   | 0.16 | 0.115 |
| 11AN0060A       | Soil   |         |      |     | 53.1  | 160  | 12.4 | 9.4  | 939  | 2.49 | 3.9  | 0.8  | 1.1  | 1.8  | 54.8 | 0.11 | 0.25 | 0.12 | 61   | 0.54 | 0.082 |
| REP 11AN0060A   | QC     |         |      |     | 52.5  | 162  | 12.3 | 9.3  | 909  | 2.45 | 3.6  | 0.7  | 0.9  | 1.7  | 54.7 | 0.13 | 0.27 | 0.11 | 59   | 0.50 | 0.080 |
| 11AN0066A       | Soil   |         |      |     | 108.3 | 180  | 8.6  | 7.3  | 1430 | 2.35 | 2.7  | 0.2  | 3.8  | 0.3  | 68.8 | 0.49 | 0.35 | 0.19 | 56   | 0.37 | 0.080 |
| REP 11AN0066A   | QC     |         |      |     | 99.8  | 164  | 8.6  | 6.8  | 1385 | 2.26 | 2.2  | 0.2  | <0.2 | 0.3  | 66.3 | 0.46 | 0.31 | 0.15 | 55   | 0.34 | 0.073 |





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Project: Mariposa

Report Date: November 14, 2011

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## QUALITY CONTROL REPORT

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|                 | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 |
|-----------------|----------------------------------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|------|
|                 |                                  | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Tl    | S     | Hg   | Se   | Te    | Ga   |
|                 |                                  | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   | ppm  |
|                 |                                  | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  | 0.1  |
| Pulp Duplicates |                                  |       |       |      |      |       |      |      |      |       |       |      |      |       |      |
| 11CB0723A       | Soil                             | 320.8 | 0.003 | 1    | 0.65 | 0.012 | 0.05 | <0.1 | 0.2  | 0.04  | 0.07  | 126  | 0.3  | <0.02 | 2.1  |
| REP 11CB0723A   | QC                               | 336.8 | 0.004 | 2    | 0.68 | 0.012 | 0.05 | <0.1 | 0.3  | 0.05  | 0.07  | 118  | 0.3  | <0.02 | 2.2  |
| 11CB0739A       | Soil                             | 812.2 | 0.036 | 2    | 3.25 | 0.017 | 0.29 | <0.1 | 6.9  | 0.11  | <0.02 | 22   | 0.4  | 0.07  | 9.5  |
| REP 11CB0739A   | QC                               |       |       |      |      |       |      |      |      |       |       |      |      |       |      |
| 11CB0740A       | Soil                             | 628.9 | 0.032 | 2    | 3.17 | 0.013 | 0.28 | <0.1 | 6.5  | 0.11  | <0.02 | 19   | 0.3  | 0.06  | 9.8  |
| REP 11CB0740A   | QC                               | 643.5 | 0.031 | 1    | 3.20 | 0.013 | 0.29 | <0.1 | 6.4  | 0.11  | <0.02 | 16   | 0.3  | 0.07  | 9.5  |
| 11CB0755A       | Soil                             | 234.3 | 0.011 | 1    | 0.71 | 0.010 | 0.05 | <0.1 | 0.5  | 0.04  | 0.07  | 99   | 0.2  | 0.05  | 2.8  |
| REP 11CB0755A   | QC                               |       |       |      |      |       |      |      |      |       |       |      |      |       |      |
| 11CB0758A       | Soil                             | 266.8 | 0.010 | 1    | 0.80 | 0.011 | 0.03 | <0.1 | 0.6  | 0.03  | 0.05  | 81   | 0.3  | 0.03  | 4.0  |
| REP 11CB0758A   | QC                               | 248.1 | 0.013 | 2    | 0.83 | 0.012 | 0.03 | <0.1 | 0.6  | 0.04  | 0.05  | 82   | 0.2  | 0.04  | 3.9  |
| 11CB0773A       | Soil                             | 196.2 | 0.012 | 1    | 0.59 | 0.013 | 0.05 | <0.1 | 0.3  | 0.07  | 0.06  | 110  | 0.2  | 0.02  | 3.1  |
| REP 11CB0773A   | QC                               | 190.5 | 0.012 | 2    | 0.61 | 0.014 | 0.05 | <0.1 | 0.3  | 0.07  | 0.06  | 120  | 0.3  | 0.04  | 3.0  |
| 11CB0791A       | Soil                             | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. |
| REP 11CB0791A   | QC                               |       |       |      |      |       |      |      |      |       |       |      |      |       |      |
| 11CB0799A       | Soil                             | 396.6 | 0.039 | 1    | 1.20 | 0.011 | 0.06 | 0.1  | 2.9  | 0.04  | 0.05  | 61   | 0.7  | 0.04  | 4.2  |
| REP 11CB0799A   | QC                               | 389.6 | 0.040 | 2    | 1.20 | 0.011 | 0.06 | 0.1  | 2.9  | <0.02 | 0.05  | 66   | 0.6  | <0.02 | 4.2  |
| 11AN0004A       | Soil                             | 231.4 | 0.004 | 1    | 0.63 | 0.014 | 0.06 | <0.1 | 0.3  | 0.03  | 0.06  | 80   | 0.4  | 0.03  | 2.5  |
| REP 11AN0004A   | QC                               | 229.7 | 0.005 | 1    | 0.61 | 0.013 | 0.06 | <0.1 | 0.2  | 0.03  | 0.06  | 76   | 0.3  | 0.02  | 2.4  |
| 11AN0016A       | Soil                             | 173.0 | 0.004 | 1    | 0.57 | 0.014 | 0.04 | <0.1 | 0.2  | 0.04  | 0.04  | 54   | 0.1  | 0.02  | 2.6  |
| REP 11AN0016A   | QC                               | 168.3 | 0.003 | <1   | 0.52 | 0.012 | 0.03 | <0.1 | 0.2  | 0.03  | 0.03  | 40   | 0.2  | <0.02 | 2.4  |
| 11AN0023A       | Soil                             | 192.1 | 0.020 | 2    | 1.72 | 0.011 | 0.05 | <0.1 | 3.6  | 0.07  | 0.06  | 102  | 0.3  | 0.03  | 5.3  |
| REP 11AN0023A   | QC                               |       |       |      |      |       |      |      |      |       |       |      |      |       |      |
| 11AN0030A       | Soil                             | 244.8 | 0.008 | <1   | 1.01 | 0.013 | 0.04 | <0.1 | 0.3  | 0.08  | 0.03  | 44   | 0.3  | 0.02  | 4.5  |
| REP 11AN0030A   | QC                               | 244.8 | 0.008 | <1   | 0.95 | 0.011 | 0.04 | <0.1 | 0.3  | 0.08  | 0.03  | 38   | 0.3  | <0.02 | 3.9  |
| 11AN0060A       | Soil                             | 240.5 | 0.061 | <1   | 2.14 | 0.019 | 0.06 | <0.1 | 4.5  | 0.08  | <0.02 | 30   | 0.1  | 0.03  | 6.7  |
| REP 11AN0060A   | QC                               | 239.9 | 0.058 | <1   | 2.04 | 0.018 | 0.05 | <0.1 | 4.2  | 0.07  | <0.02 | 35   | 0.1  | 0.03  | 6.8  |
| 11AN0066A       | Soil                             | 429.8 | 0.057 | 2    | 1.11 | 0.013 | 0.07 | 0.1  | 1.7  | 0.09  | 0.03  | 27   | 0.1  | 0.05  | 7.3  |
| REP 11AN0066A   | QC                               | 399.0 | 0.053 | <1   | 1.11 | 0.014 | 0.07 | 0.1  | 1.6  | 0.08  | <0.02 | 23   | <0.1 | <0.02 | 6.9  |



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Report Date: November 14, 2011

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## QUALITY CONTROL REPORT

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|                     |          | 1F<br>Mo<br>ppm<br>0.01 | 1F<br>Cu<br>ppm<br>0.01 | 1F<br>Pb<br>ppm<br>0.01 | 1F<br>Zn<br>ppm<br>0.1 | 1F<br>Ag<br>ppb<br>2 | 1F<br>Ni<br>ppm<br>0.1 | 1F<br>Co<br>ppm<br>0.1 | 1F<br>Mn<br>ppm<br>1 | 1F<br>Fe<br>%<br>0.01 | 1F<br>As<br>ppm<br>0.1 | 1F<br>U<br>ppm<br>0.1 | 1F<br>Au<br>ppb<br>0.2 | 1F<br>Th<br>ppm<br>0.1 | 1F<br>Sr<br>ppm<br>0.5 | 1F<br>Cd<br>ppm<br>0.01 | 1F<br>Sb<br>ppm<br>0.02 | 1F<br>Bi<br>ppm<br>0.02 | 1F<br>V<br>ppm<br>2 | 1F<br>Ca<br>%<br>0.01 | 1F<br>P<br>%<br>0.001 |
|---------------------|----------|-------------------------|-------------------------|-------------------------|------------------------|----------------------|------------------------|------------------------|----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------------|-----------------------|-----------------------|
| 11AN0069A           | Soil     | 0.53                    | 8.10                    | 5.47                    | 28.7                   | 19                   | 4.3                    | 3.1                    | 153                  | 1.30                  | 0.9                    | 0.3                   | 1.2                    | 0.1                    | 56.1                   | 0.09                    | 0.08                    | 0.06                    | 33                  | 0.21                  | 0.050                 |
| REP 11AN0069A       | QC       | 0.54                    | 8.11                    | 5.16                    | 27.8                   | 23                   | 4.4                    | 3.2                    | 157                  | 1.32                  | 1.2                    | 0.3                   | 1.0                    | 0.2                    | 53.4                   | 0.09                    | 0.11                    | 0.05                    | 33                  | 0.21                  | 0.051                 |
| 11AN0088A           | Soil     | 1.34                    | 29.96                   | 8.88                    | 23.2                   | 167                  | 9.2                    | 2.5                    | 62                   | 1.31                  | 2.5                    | 1.8                   | 0.5                    | 0.5                    | 28.7                   | 0.14                    | 0.14                    | 0.12                    | 26                  | 0.20                  | 0.046                 |
| REP 11AN0088A       | QC       |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| 11AN0093A           | Soil     | 1.27                    | 19.51                   | 8.57                    | 18.1                   | 255                  | 8.4                    | 3.3                    | 49                   | 1.24                  | 2.9                    | 0.6                   | 1.9                    | <0.1                   | 26.0                   | 0.23                    | 0.19                    | 0.16                    | 24                  | 0.21                  | 0.073                 |
| REP 11AN0093A       | QC       | 1.24                    | 19.54                   | 9.00                    | 19.2                   | 250                  | 8.8                    | 3.2                    | 53                   | 1.27                  | 3.2                    | 0.6                   | 1.3                    | <0.1                   | 26.2                   | 0.22                    | 0.18                    | 0.34                    | 25                  | 0.20                  | 0.071                 |
| Reference Materials |          |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| STD DS8             | Standard | 12.70                   | 110.5                   | 117.8                   | 294.7                  | 1510                 | 35.4                   | 7.2                    | 569                  | 2.38                  | 26.5                   | 2.5                   | 88.2                   | 5.7                    | 58.4                   | 2.13                    | 4.26                    | 6.27                    | 39                  | 0.65                  | 0.078                 |
| STD DS8             | Standard | 12.81                   | 111.5                   | 124.7                   | 305.0                  | 1702                 | 36.1                   | 7.4                    | 579                  | 2.43                  | 25.0                   | 2.5                   | 108.4                  | 5.9                    | 59.0                   | 2.25                    | 4.55                    | 6.56                    | 40                  | 0.66                  | 0.078                 |
| STD DS8             | Standard | 14.17                   | 107.2                   | 123.6                   | 322.9                  | 1704                 | 38.8                   | 8.0                    | 612                  | 2.55                  | 26.1                   | 2.5                   | 110.7                  | 6.7                    | 63.7                   | 2.47                    | 4.74                    | 6.40                    | 43                  | 0.75                  | 0.085                 |
| STD DS8             | Standard | 11.66                   | 105.5                   | 120.3                   | 293.0                  | 1575                 | 34.6                   | 7.0                    | 551                  | 2.27                  | 24.3                   | 2.5                   | 86.0                   | 6.2                    | 58.4                   | 2.11                    | 4.43                    | 6.24                    | 38                  | 0.62                  | 0.074                 |
| STD DS8             | Standard | 14.24                   | 113.6                   | 128.8                   | 313.4                  | 1557                 | 38.3                   | 7.7                    | 611                  | 2.48                  | 27.5                   | 2.8                   | 102.6                  | 6.2                    | 65.6                   | 2.20                    | 4.45                    | 6.46                    | 42                  | 0.72                  | 0.080                 |
| STD DS8             | Standard | 13.84                   | 109.0                   | 109.7                   | 298.2                  | 1540                 | 37.5                   | 7.7                    | 636                  | 2.48                  | 27.3                   | 2.5                   | 95.9                   | 6.5                    | 67.2                   | 2.14                    | 4.52                    | 6.42                    | 41                  | 0.72                  | 0.078                 |
| STD DS8             | Standard | 13.95                   | 113.2                   | 126.7                   | 320.7                  | 1646                 | 36.9                   | 7.3                    | 635                  | 2.55                  | 28.4                   | 2.8                   | 112.6                  | 6.1                    | 72.8                   | 2.41                    | 5.14                    | 6.59                    | 43                  | 0.76                  | 0.084                 |
| STD DS8             | Standard | 15.05                   | 110.3                   | 137.1                   | 321.1                  | 2101                 | 38.3                   | 7.3                    | 608                  | 2.52                  | 25.7                   | 3.2                   | 111.7                  | 7.7                    | 69.2                   | 2.37                    | 4.46                    | 6.31                    | 42                  | 0.75                  | 0.077                 |
| STD DS8             | Standard |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| STD DS8             | Standard |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| STD DS8             | Standard |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| STD DS8             | Standard |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| STD DS8             | Standard |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| STD DS8             | Standard |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| STD DS8             | Standard |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| STD OREAS45CA       | Standard | 0.89                    | 498.2                   | 20.44                   | 60.1                   | 251                  | 231.2                  | 87.3                   | 871                  | 15.44                 | 4.2                    | 1.3                   | 38.4                   | 7.5                    | 15.1                   | 0.09                    | 0.10                    | 0.18                    | 213                 | 0.39                  | 0.037                 |
| STD OREAS45CA       | Standard | 0.89                    | 483.7                   | 20.17                   | 58.8                   | 252                  | 222.4                  | 88.3                   | 866                  | 15.29                 | 3.4                    | 1.2                   | 40.4                   | 7.3                    | 14.9                   | 0.09                    | 0.11                    | 0.17                    | 208                 | 0.40                  | 0.036                 |
| STD OREAS45CA       | Standard | 0.90                    | 516.8                   | 19.75                   | 62.7                   | 269                  | 255.5                  | 89.7                   | 951                  | 16.95                 | 3.6                    | 1.1                   | 45.2                   | 6.8                    | 14.9                   | 0.09                    | 0.08                    | 0.18                    | 221                 | 0.42                  | 0.042                 |
| STD OREAS45CA       | Standard | 0.71                    | 433.8                   | 18.89                   | 52.8                   | 227                  | 212.3                  | 79.8                   | 813                  | 13.25                 | 2.9                    | 1.1                   | 34.0                   | 6.6                    | 13.8                   | 0.08                    | 0.09                    | 0.14                    | 182                 | 0.37                  | 0.032                 |
| STD OREAS45CA       | Standard | 0.93                    | 518.7                   | 21.10                   | 63.2                   | 252                  | 247.3                  | 91.4                   | 931                  | 15.93                 | 3.9                    | 1.3                   | 39.0                   | 7.6                    | 15.2                   | 0.08                    | 0.12                    | 0.18                    | 224                 | 0.42                  | 0.037                 |
| STD OREAS45CA       | Standard | 0.79                    | 503.8                   | 19.33                   | 68.4                   | 253                  | 251.3                  | 90.9                   | 916                  | 15.73                 | 3.6                    | 1.1                   | 40.2                   | 6.4                    | 15.4                   | 0.09                    | 0.08                    | 0.18                    | 198                 | 0.40                  | 0.036                 |



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## QUALITY CONTROL REPORT

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|                     |          | 1F<br>La<br>ppm<br>0.5 | 1F<br>Cr<br>ppm<br>0.5 | 1F<br>Mg<br>%<br>0.01 | 1F<br>Ba<br>ppm<br>0.5 | 1F<br>Ti<br>%<br>0.001 | 1F<br>B<br>ppm<br>20 | 1F<br>Al<br>%<br>0.01 | 1F<br>Na<br>%<br>0.001 | 1F<br>K<br>%<br>0.01 | 1F<br>W<br>ppm<br>0.1 | 1F<br>Sc<br>ppm<br>0.1 | 1F<br>Ti<br>ppm<br>0.02 | 1F<br>S<br>%<br>0.02 | 1F<br>Hg<br>ppb<br>5 | 1F<br>Se<br>ppm<br>0.1 | 1F<br>Te<br>ppm<br>0.02 | 1F<br>Ga<br>ppm<br>0.1 | 1F15<br>Mo<br>ppm<br>0.01 | 1F15<br>Cu<br>ppm<br>0.01 | 1F15<br>Pb<br>ppm<br>0.01 |
|---------------------|----------|------------------------|------------------------|-----------------------|------------------------|------------------------|----------------------|-----------------------|------------------------|----------------------|-----------------------|------------------------|-------------------------|----------------------|----------------------|------------------------|-------------------------|------------------------|---------------------------|---------------------------|---------------------------|
| 11AN0069A           | Soil     | 6.1                    | 11.0                   | 0.22                  | 120.6                  | 0.025                  | <20                  | 0.95                  | 0.019                  | 0.05                 | <0.1                  | 1.2                    | 0.08                    | <0.02                | 34                   | <0.1                   | 0.03                    | 5.8                    | 0.43                      | 6.12                      | 3.89                      |
| REP 11AN0069A       | QC       | 6.4                    | 11.0                   | 0.24                  | 116.9                  | 0.028                  | <20                  | 0.94                  | 0.019                  | 0.05                 | <0.1                  | 1.3                    | 0.08                    | <0.02                | 39                   | 0.2                    | 0.02                    | 5.8                    |                           |                           |                           |
| 11AN0088A           | Soil     | 25.1                   | 18.5                   | 0.14                  | 182.8                  | 0.027                  | <20                  | 1.01                  | 0.011                  | 0.05                 | <0.1                  | 1.6                    | 0.05                    | 0.03                 | 55                   | 0.4                    | 0.03                    | 4.6                    | 1.19                      | 25.03                     | 8.08                      |
| REP 11AN0088A       | QC       |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        | 1.18                      | 24.91                     | 8.21                      |
| 11AN0093A           | Soil     | 8.6                    | 16.2                   | 0.12                  | 320.8                  | 0.004                  | <20                  | 0.91                  | 0.009                  | 0.04                 | <0.1                  | 0.2                    | 0.08                    | 0.05                 | 62                   | 0.2                    | 0.03                    | 3.5                    | 1.10                      | 16.64                     | 7.73                      |
| REP 11AN0093A       | QC       | 8.9                    | 17.1                   | 0.12                  | 328.7                  | 0.004                  | <20                  | 0.93                  | 0.009                  | 0.04                 | <0.1                  | 0.2                    | 0.08                    | 0.05                 | 64                   | 0.2                    | <0.02                   | 3.6                    |                           |                           |                           |
| Reference Materials |          |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        |                           |                           |                           |
| STD DS8             | Standard | 12.9                   | 108.4                  | 0.59                  | 270.4                  | 0.103                  | <20                  | 0.86                  | 0.077                  | 0.39                 | 3.0                   | 1.9                    | 5.01                    | 0.15                 | 183                  | 5.2                    | 4.40                    | 4.1                    |                           |                           |                           |
| STD DS8             | Standard | 13.2                   | 113.6                  | 0.60                  | 272.7                  | 0.104                  | <20                  | 0.87                  | 0.078                  | 0.40                 | 2.6                   | 1.9                    | 5.42                    | 0.16                 | 174                  | 4.9                    | 4.48                    | 4.2                    |                           |                           |                           |
| STD DS8             | Standard | 15.8                   | 118.2                  | 0.62                  | 275.5                  | 0.121                  | <20                  | 0.96                  | 0.087                  | 0.42                 | 3.0                   | 2.2                    | 5.62                    | 0.17                 | 208                  | 5.3                    | 4.98                    | 5.1                    |                           |                           |                           |
| STD DS8             | Standard | 12.7                   | 106.5                  | 0.56                  | 261.7                  | 0.101                  | <20                  | 0.83                  | 0.078                  | 0.37                 | 2.6                   | 1.7                    | 5.04                    | 0.15                 | 179                  | 4.7                    | 4.21                    | 3.9                    |                           |                           |                           |
| STD DS8             | Standard | 15.5                   | 118.8                  | 0.61                  | 286.9                  | 0.117                  | <20                  | 0.93                  | 0.085                  | 0.41                 | 2.9                   | 2.1                    | 5.48                    | 0.16                 | 177                  | 4.9                    | 4.71                    | 4.7                    |                           |                           |                           |
| STD DS8             | Standard | 15.1                   | 112.2                  | 0.61                  | 280.2                  | 0.110                  | <20                  | 0.94                  | 0.098                  | 0.42                 | 2.2                   | 2.2                    | 4.95                    | 0.16                 | 159                  | 4.7                    | 4.55                    | 4.5                    |                           |                           |                           |
| STD DS8             | Standard | 15.7                   | 123.2                  | 0.63                  | 291.8                  | 0.117                  | <20                  | 0.98                  | 0.098                  | 0.43                 | 2.9                   | 2.1                    | 5.55                    | 0.18                 | 257                  | 5.1                    | 4.80                    | 4.8                    |                           |                           |                           |
| STD DS8             | Standard | 17.9                   | 125.0                  | 0.63                  | 301.1                  | 0.116                  | <20                  | 0.96                  | 0.094                  | 0.42                 | 2.5                   | 2.4                    | 6.13                    | 0.17                 | 200                  | 5.7                    | 5.36                    | 4.9                    |                           |                           |                           |
| STD DS8             | Standard |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        | 12.56                     | 99.33                     | 116.0                     |
| STD DS8             | Standard |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        | 14.19                     | 107.1                     | 126.1                     |
| STD DS8             | Standard |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        | 13.69                     | 110.7                     | 119.0                     |
| STD DS8             | Standard |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        | 13.82                     | 102.5                     | 128.4                     |
| STD DS8             | Standard |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        | 12.58                     | 93.73                     | 117.0                     |
| STD DS8             | Standard |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        | 11.67                     | 90.73                     | 116.4                     |
| STD DS8             | Standard |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        | 12.15                     | 101.5                     | 120.6                     |
| STD DS8             | Standard |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         |                        | 11.40                     | 98.51                     | 117.7                     |
| STD OREAS45CA       | Standard | 16.5                   | 650.7                  | 0.14                  | 160.0                  | 0.124                  | <20                  | 3.44                  | 0.005                  | 0.07                 | <0.1                  | 34.2                   | 0.11                    | <0.02                | 29                   | 0.4                    | 0.11                    | 17.7                   |                           |                           |                           |
| STD OREAS45CA       | Standard | 16.3                   | 651.3                  | 0.14                  | 155.3                  | 0.132                  | <20                  | 3.38                  | 0.005                  | 0.07                 | <0.1                  | 34.0                   | 0.10                    | <0.02                | 25                   | 0.5                    | 0.03                    | 17.3                   |                           |                           |                           |
| STD OREAS45CA       | Standard | 16.3                   | 751.3                  | 0.16                  | 155.7                  | 0.139                  | <20                  | 3.89                  | 0.006                  | 0.08                 | <0.1                  | 37.8                   | 0.08                    | <0.02                | 40                   | 0.9                    | 0.07                    | 19.4                   |                           |                           |                           |
| STD OREAS45CA       | Standard | 14.9                   | 586.1                  | 0.13                  | 144.2                  | 0.105                  | <20                  | 3.07                  | 0.012                  | 0.06                 | <0.1                  | 34.4                   | 0.10                    | 0.02                 | 28                   | 0.3                    | 0.04                    | 15.6                   |                           |                           |                           |
| STD OREAS45CA       | Standard | 17.4                   | 713.0                  | 0.16                  | 157.5                  | 0.139                  | <20                  | 3.72                  | 0.004                  | 0.08                 | <0.1                  | 36.9                   | 0.12                    | <0.02                | 23                   | 0.5                    | 0.09                    | 18.7                   |                           |                           |                           |
| STD OREAS45CA       | Standard | 15.9                   | 730.5                  | 0.14                  | 154.9                  | 0.148                  | <20                  | 3.85                  | 0.008                  | 0.07                 | <0.1                  | 37.1                   | 0.06                    | 0.03                 | 24                   | 0.6                    | <0.02                   | 19.8                   |                           |                           |                           |



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Project: Mariposa

Report Date: November 14, 2011

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## QUALITY CONTROL REPORT

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|                     |          | 1F15<br>Zn<br>ppm<br>0.1 | 1F15<br>Ag<br>ppb<br>2 | 1F15<br>Ni<br>ppm<br>0.1 | 1F15<br>Co<br>ppm<br>0.1 | 1F15<br>Mn<br>ppm<br>1 | 1F15<br>Fe<br>%<br>0.01 | 1F15<br>As<br>ppm<br>0.1 | 1F15<br>U<br>ppm<br>0.1 | 1F15<br>Au<br>ppb<br>0.2 | 1F15<br>Th<br>ppm<br>0.1 | 1F15<br>Sr<br>ppm<br>0.5 | 1F15<br>Cd<br>ppm<br>0.01 | 1F15<br>Sb<br>ppm<br>0.02 | 1F15<br>Bi<br>ppm<br>0.02 | 1F15<br>V<br>ppm<br>2 | 1F15<br>Ca<br>%<br>0.01 | 1F15<br>P<br>%<br>0.001 | 1F15<br>La<br>ppm<br>0.5 | 1F15<br>Cr<br>ppm<br>0.5 | 1F15<br>Mg<br>%<br>0.01 |
|---------------------|----------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|
| 11AN0069A           | Soil     | 20.7                     | 27                     | 3.2                      | 2.4                      | 117                    | 1.04                    | 1.2                      | 0.2                     | 1.3                      | <0.1                     | 43.1                     | 0.08                      | 0.10                      | 0.07                      | 28                    | 0.15                    | 0.039                   | 4.1                      | 8.2                      | 0.15                    |
| REP 11AN0069A       | QC       |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| 11AN0088A           | Soil     | 19.5                     | 139                    | 7.5                      | 2.1                      | 51                     | 1.17                    | 1.9                      | 1.7                     | <0.2                     | 0.4                      | 26.1                     | 0.14                      | 0.17                      | 0.15                      | 23                    | 0.17                    | 0.037                   | 21.2                     | 15.9                     | 0.11                    |
| REP 11AN0088A       | QC       | 19.2                     | 136                    | 7.1                      | 2.1                      | 50                     | 1.15                    | 1.8                      | 1.7                     | 0.3                      | 0.4                      | 25.8                     | 0.14                      | 0.16                      | 0.14                      | 22                    | 0.16                    | 0.036                   | 20.9                     | 15.5                     | 0.10                    |
| 11AN0093A           | Soil     | 16.4                     | 212                    | 7.6                      | 2.9                      | 42                     | 1.09                    | 1.8                      | 0.5                     | 1.8                      | 0.1                      | 22.2                     | 0.18                      | 0.18                      | 0.16                      | 22                    | 0.19                    | 0.068                   | 7.6                      | 14.3                     | 0.10                    |
| REP 11AN0093A       | QC       |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| Reference Materials |          |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD DS8             | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD DS8             | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD DS8             | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD DS8             | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD DS8             | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD DS8             | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD DS8             | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD DS8             | Standard | 297.0                    | 1666                   | 34.5                     | 7.0                      | 560                    | 2.26                    | 23.4                     | 2.5                     | 102.9                    | 5.7                      | 64.5                     | 2.15                      | 5.14                      | 5.58                      | 39                    | 0.69                    | 0.078                   | 14.6                     | 113.8                    | 0.57                    |
| STD DS8             | Standard | 310.3                    | 1823                   | 38.0                     | 7.7                      | 629                    | 2.50                    | 25.6                     | 2.8                     | 113.3                    | 6.5                      | 67.6                     | 2.33                      | 5.64                      | 6.45                      | 44                    | 0.73                    | 0.083                   | 16.8                     | 124.2                    | 0.63                    |
| STD DS8             | Standard | 296.3                    | 1703                   | 38.5                     | 8.0                      | 599                    | 2.45                    | 24.1                     | 2.7                     | 111.3                    | 6.4                      | 59.9                     | 2.30                      | 5.18                      | 6.35                      | 41                    | 0.71                    | 0.086                   | 14.3                     | 123.1                    | 0.62                    |
| STD DS8             | Standard | 324.4                    | 1867                   | 35.1                     | 7.1                      | 643                    | 2.48                    | 25.8                     | 2.9                     | 112.2                    | 6.9                      | 70.3                     | 2.44                      | 5.58                      | 7.05                      | 42                    | 0.75                    | 0.084                   | 17.8                     | 118.8                    | 0.61                    |
| STD DS8             | Standard | 298.7                    | 1734                   | 32.4                     | 6.5                      | 583                    | 2.39                    | 24.8                     | 2.6                     | 111.5                    | 6.6                      | 69.1                     | 2.27                      | 5.13                      | 6.37                      | 39                    | 0.68                    | 0.080                   | 17.1                     | 113.8                    | 0.59                    |
| STD DS8             | Standard | 285.1                    | 1753                   | 31.0                     | 6.2                      | 561                    | 2.39                    | 23.2                     | 2.5                     | 103.7                    | 6.0                      | 64.2                     | 2.20                      | 4.85                      | 6.25                      | 39                    | 0.67                    | 0.082                   | 15.6                     | 112.6                    | 0.59                    |
| STD DS8             | Standard | 293.9                    | 1669                   | 36.5                     | 7.1                      | 570                    | 2.30                    | 23.8                     | 2.5                     | 101.2                    | 6.1                      | 57.5                     | 2.29                      | 5.03                      | 6.08                      | 40                    | 0.65                    | 0.076                   | 13.5                     | 114.2                    | 0.57                    |
| STD DS8             | Standard | 286.0                    | 1706                   | 35.0                     | 6.9                      | 577                    | 2.33                    | 22.3                     | 2.5                     | 107.2                    | 5.8                      | 56.6                     | 2.06                      | 4.85                      | 5.86                      | 39                    | 0.67                    | 0.072                   | 12.7                     | 114.8                    | 0.57                    |
| STD OREAS45CA       | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD OREAS45CA       | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD OREAS45CA       | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD OREAS45CA       | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD OREAS45CA       | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD OREAS45CA       | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |



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## QUALITY CONTROL REPORT

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|                     |          | 1F15<br>Ba<br>ppm<br>0.5 | 1F15<br>Ti<br>%<br>0.001 | 1F15<br>B<br>ppm<br>1 | 1F15<br>Al<br>%<br>0.01 | 1F15<br>Na<br>%<br>0.001 | 1F15<br>K<br>%<br>0.01 | 1F15<br>W<br>ppm<br>0.1 | 1F15<br>Sc<br>ppm<br>0.1 | 1F15<br>Ti<br>ppm<br>0.02 | 1F15<br>S<br>%<br>0.02 | 1F15<br>Hg<br>ppb<br>5 | 1F15<br>Se<br>ppm<br>0.1 | 1F15<br>Te<br>ppm<br>0.02 | 1F15<br>Ga<br>ppm<br>0.1 |
|---------------------|----------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|
| 11AN0069A           | Soil     | 94.9                     | 0.020                    | <1                    | 0.84                    | 0.016                    | 0.04                   | <0.1                    | 0.7                      | 0.03                      | <0.02                  | 41                     | <0.1                     | <0.02                     | 4.2                      |
| REP 11AN0069A       | QC       |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| 11AN0088A           | Soil     | 177.8                    | 0.021                    | <1                    | 0.94                    | 0.010                    | 0.04                   | <0.1                    | 1.1                      | 0.05                      | 0.03                   | 51                     | 0.2                      | 0.02                      | 3.9                      |
| REP 11AN0088A       | QC       | 176.5                    | 0.017                    | 1                     | 0.92                    | 0.010                    | 0.04                   | <0.1                    | 1.1                      | 0.05                      | 0.03                   | 49                     | 0.2                      | 0.04                      | 3.6                      |
| 11AN0093A           | Soil     | 294.3                    | 0.003                    | <1                    | 0.89                    | 0.009                    | 0.04                   | <0.1                    | 0.3                      | 0.06                      | 0.04                   | 53                     | 0.2                      | 0.03                      | 3.1                      |
| REP 11AN0093A       | QC       |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| Reference Materials |          |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard | 257.8                    | 0.100                    | 2                     | 0.92                    | 0.088                    | 0.39                   | 2.6                     | 1.9                      | 5.15                      | 0.15                   | 188                    | 4.8                      | 4.43                      | 4.6                      |
| STD DS8             | Standard | 289.4                    | 0.118                    | 3                     | 1.00                    | 0.097                    | 0.43                   | 2.9                     | 2.3                      | 5.78                      | 0.16                   | 199                    | 5.2                      | 5.20                      | 4.8                      |
| STD DS8             | Standard | 253.8                    | 0.116                    | 2                     | 0.93                    | 0.090                    | 0.42                   | 3.0                     | 2.1                      | 5.20                      | 0.16                   | 185                    | 5.0                      | 5.03                      | 4.5                      |
| STD DS8             | Standard | 278.4                    | 0.099                    | 3                     | 0.96                    | 0.098                    | 0.43                   | 2.8                     | 2.5                      | 5.63                      | 0.16                   | 203                    | 5.3                      | 5.31                      | 5.0                      |
| STD DS8             | Standard | 275.4                    | 0.097                    | 2                     | 0.93                    | 0.097                    | 0.40                   | 2.8                     | 2.5                      | 5.24                      | 0.15                   | 177                    | 4.9                      | 4.86                      | 4.7                      |
| STD DS8             | Standard | 258.0                    | 0.091                    | 3                     | 0.92                    | 0.099                    | 0.41                   | 2.5                     | 2.4                      | 5.26                      | 0.15                   | 182                    | 4.7                      | 4.81                      | 4.3                      |
| STD DS8             | Standard | 251.2                    | 0.103                    | 2                     | 0.84                    | 0.076                    | 0.39                   | 3.0                     | 2.0                      | 5.19                      | 0.16                   | 201                    | 5.1                      | 4.80                      | 4.4                      |
| STD DS8             | Standard | 246.1                    | 0.098                    | 2                     | 0.90                    | 0.089                    | 0.40                   | 3.0                     | 2.0                      | 5.27                      | 0.15                   | 194                    | 4.8                      | 4.90                      | 4.3                      |
| STD OREAS45CA       | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD OREAS45CA       | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD OREAS45CA       | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD OREAS45CA       | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD OREAS45CA       | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD OREAS45CA       | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |



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## QUALITY CONTROL REPORT

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|                        |          | 1F<br>Mo<br>ppm<br>0.01 | 1F<br>Cu<br>ppm<br>0.01 | 1F<br>Pb<br>ppm<br>0.01 | 1F<br>Zn<br>ppm<br>0.1 | 1F<br>Ag<br>ppb<br>2 | 1F<br>Ni<br>ppm<br>0.1 | 1F<br>Co<br>ppm<br>0.1 | 1F<br>Mn<br>ppm<br>1 | 1F<br>Fe<br>%<br>0.01 | 1F<br>As<br>ppm<br>0.1 | 1F<br>U<br>ppm<br>0.1 | 1F<br>Au<br>ppb<br>0.2 | 1F<br>Th<br>ppm<br>0.1 | 1F<br>Sr<br>ppm<br>0.5 | 1F<br>Cd<br>ppm<br>0.01 | 1F<br>Sb<br>ppm<br>0.02 | 1F<br>Bi<br>ppm<br>0.02 | 1F<br>V<br>ppm<br>2 | 1F<br>Ca<br>%<br>0.01 | 1F<br>P<br>%<br>0.001 |
|------------------------|----------|-------------------------|-------------------------|-------------------------|------------------------|----------------------|------------------------|------------------------|----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------------|-----------------------|-----------------------|
| STD OREAS45CA          | Standard | 1.03                    | 521.2                   | 20.58                   | 61.8                   | 268                  | 258.4                  | 91.0                   | 961                  | 16.96                 | 4.3                    | 1.2                   | 45.0                   | 7.2                    | 16.9                   | 0.08                    | 0.11                    | 0.16                    | 212                 | 0.42                  | 0.042                 |
| STD OREAS45CA          | Standard | 0.76                    | 533.7                   | 21.85                   | 65.8                   | 261                  | 265.9                  | 89.8                   | 934                  | 16.30                 | 3.0                    | 1.3                   | 47.2                   | 7.6                    | 14.9                   | 0.09                    | 0.05                    | 0.15                    | 211                 | 0.41                  | 0.038                 |
| STD OREAS45CA Expected |          | 1                       | 494                     | 20                      | 60                     | 275                  | 240                    | 92                     | 943                  | 15.69                 | 3.8                    | 1.2                   | 43                     | 7                      | 15                     | 0.1                     | 0.13                    | 0.19                    | 215                 | 0.4265                | 0.0385                |
| STD DS8 Expected       |          | 13.44                   | 110                     | 123                     | 312                    | 1690                 | 38.1                   | 7.5                    | 615                  | 2.46                  | 26                     | 2.8                   | 107                    | 6.89                   | 67.7                   | 2.38                    | 4.8                     | 6.67                    | 41.1                | 0.7                   | 0.08                  |
| BLK                    | Blank    | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK                    | Blank    | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK                    | Blank    | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK                    | Blank    | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK                    | Blank    | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK                    | Blank    | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK                    | Blank    | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK                    | Blank    | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK                    | Blank    |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| BLK                    | Blank    |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| BLK                    | Blank    |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| BLK                    | Blank    |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| BLK                    | Blank    |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| BLK                    | Blank    |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| BLK                    | Blank    |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| BLK                    | Blank    |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |
| BLK                    | Blank    |                         |                         |                         |                        |                      |                        |                        |                      |                       |                        |                       |                        |                        |                        |                         |                         |                         |                     |                       |                       |



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Project: Mariposa

Report Date: November 14, 2011

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## QUALITY CONTROL REPORT

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|                        |          | 1F<br>La<br>ppm<br>0.5 | 1F<br>Cr<br>ppm<br>0.5 | 1F<br>Mg<br>%<br>0.01 | 1F<br>Ba<br>ppm<br>0.5 | 1F<br>Ti<br>%<br>0.001 | 1F<br>B<br>ppm<br>20 | 1F<br>Al<br>%<br>0.01 | 1F<br>Na<br>%<br>0.001 | 1F<br>K<br>%<br>0.01 | 1F<br>W<br>ppm<br>0.1 | 1F<br>Sc<br>ppm<br>0.1 | 1F<br>Ti<br>ppm<br>0.02 | 1F<br>S<br>%<br>0.02 | 1F<br>Hg<br>ppb<br>5 | 1F<br>Se<br>ppm<br>0.1 | 1F<br>Te<br>ppm<br>0.02 | 1F<br>Ga<br>ppm<br>0.1 | 1F15<br>Mo<br>ppm<br>0.01 | 1F15<br>Cu<br>ppm<br>0.01 | 1F15<br>Pb<br>ppm<br>0.01 |
|------------------------|----------|------------------------|------------------------|-----------------------|------------------------|------------------------|----------------------|-----------------------|------------------------|----------------------|-----------------------|------------------------|-------------------------|----------------------|----------------------|------------------------|-------------------------|------------------------|---------------------------|---------------------------|---------------------------|
| STD OREAS45CA          | Standard | 17.1                   | 753.8                  | 0.16                  | 169.4                  | 0.143                  | <20                  | 3.89                  | 0.010                  | 0.08                 | <0.1                  | 36.6                   | 0.13                    | 0.03                 | 34                   | 0.6                    | 0.07                    | 19.5                   |                           |                           |                           |
| STD OREAS45CA          | Standard | 17.7                   | 832.2                  | 0.16                  | 167.3                  | 0.134                  | <20                  | 3.92                  | 0.009                  | 0.07                 | <0.1                  | 39.5                   | 0.15                    | 0.03                 | 26                   | 0.7                    | 0.06                    | 20.3                   |                           |                           |                           |
| STD OREAS45CA Expected |          | 15.9                   | 709                    | 0.1358                | 164                    | 0.128                  |                      | 3.592                 | 0.0075                 | 0.0717               |                       | 39.7                   | 0.07                    | 0.021                | 30                   | 0.5                    | 0.06                    | 18.4                   |                           |                           |                           |
| STD DS8 Expected       |          | 14.6                   | 115                    | 0.6045                | 279                    | 0.113                  | 2.6                  | 0.93                  | 0.0883                 | 0.41                 | 3                     | 2.3                    | 5.4                     | 0.1679               | 192                  | 5.23                   | 5                       | 4.7                    | 13.44                     | 110                       | 123                       |
| BLK                    | Blank    | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |                           |                           |                           |
| BLK                    | Blank    | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |                           |                           |                           |
| BLK                    | Blank    | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |                           |                           |                           |
| BLK                    | Blank    | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |                           |                           |                           |
| BLK                    | Blank    | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |                           |                           |                           |
| BLK                    | Blank    | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |                           |                           |                           |
| BLK                    | Blank    | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |                           |                           |                           |
| BLK                    | Blank    | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |                           |                           |                           |
| BLK                    | Blank    |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         | <0.01                  | <0.01                     | <0.01                     |                           |
| BLK                    | Blank    |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         | <0.01                  | <0.01                     | <0.01                     |                           |
| BLK                    | Blank    |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         | <0.01                  | <0.01                     | <0.01                     |                           |
| BLK                    | Blank    |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         | <0.01                  | <0.01                     | <0.01                     |                           |
| BLK                    | Blank    |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         | <0.01                  | <0.01                     | <0.01                     |                           |
| BLK                    | Blank    |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         | <0.01                  | <0.01                     | <0.01                     |                           |
| BLK                    | Blank    |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         | <0.01                  | <0.01                     | <0.01                     |                           |
| BLK                    | Blank    |                        |                        |                       |                        |                        |                      |                       |                        |                      |                       |                        |                         |                      |                      |                        |                         | <0.01                  | <0.01                     | <0.01                     |                           |



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Project: Mariposa

Report Date: November 14, 2011

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## QUALITY CONTROL REPORT

WHI11001133.2

|                        |          | 1F15<br>Zn<br>ppm<br>0.1 | 1F15<br>Ag<br>ppb<br>2 | 1F15<br>Ni<br>ppm<br>0.1 | 1F15<br>Co<br>ppm<br>0.1 | 1F15<br>Mn<br>ppm<br>1 | 1F15<br>Fe<br>%<br>0.01 | 1F15<br>As<br>ppm<br>0.1 | 1F15<br>U<br>ppm<br>0.1 | 1F15<br>Au<br>ppb<br>0.2 | 1F15<br>Th<br>ppm<br>0.1 | 1F15<br>Sr<br>ppm<br>0.5 | 1F15<br>Cd<br>ppm<br>0.01 | 1F15<br>Sb<br>ppm<br>0.02 | 1F15<br>Bi<br>ppm<br>0.02 | 1F15<br>V<br>ppm<br>2 | 1F15<br>Ca<br>%<br>0.01 | 1F15<br>P<br>%<br>0.001 | 1F15<br>La<br>ppm<br>0.5 | 1F15<br>Cr<br>ppm<br>0.5 | 1F15<br>Mg<br>%<br>0.01 |
|------------------------|----------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|
| STD OREAS45CA          | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD OREAS45CA          | Standard |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD OREAS45CA Expected |          |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| STD DS8 Expected       |          | 312                      | 1690                   | 38.1                     | 7.5                      | 615                    | 2.46                    | 26                       | 2.8                     | 107                      | 6.89                     | 67.7                     | 2.38                      | 5.7                       | 6.67                      | 41.1                  | 0.7                     | 0.08                    | 14.6                     | 115                      | 0.6045                  |
| BLK                    | Blank    |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| BLK                    | Blank    |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| BLK                    | Blank    |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| BLK                    | Blank    |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| BLK                    | Blank    |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| BLK                    | Blank    |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| BLK                    | Blank    |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| BLK                    | Blank    |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |                          |                          |                         |
| BLK                    | Blank    | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  | <0.5                     | <0.5                     | <0.01                   |
| BLK                    | Blank    | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  | <0.5                     | <0.5                     | <0.01                   |
| BLK                    | Blank    | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  | <0.5                     | <0.5                     | <0.01                   |
| BLK                    | Blank    | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  | <0.5                     | <0.5                     | <0.01                   |
| BLK                    | Blank    | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  | <0.5                     | <0.5                     | <0.01                   |
| BLK                    | Blank    | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  | <0.5                     | <0.5                     | <0.01                   |
| BLK                    | Blank    | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  | <0.5                     | <0.5                     | <0.01                   |
| BLK                    | Blank    | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  | <0.5                     | <0.5                     | <0.01                   |





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Project: Mariposa

Report Date: November 14, 2011

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## QUALITY CONTROL REPORT

WHI11001133.2

|                        |          | 1F15<br>Ba<br>ppm<br>0.5 | 1F15<br>Ti<br>%<br>0.001 | 1F15<br>B<br>ppm<br>1 | 1F15<br>Al<br>%<br>0.01 | 1F15<br>Na<br>%<br>0.001 | 1F15<br>K<br>%<br>0.01 | 1F15<br>W<br>ppm<br>0.1 | 1F15<br>Sc<br>ppm<br>0.1 | 1F15<br>Ti<br>ppm<br>0.02 | 1F15<br>S<br>%<br>0.02 | 1F15<br>Hg<br>ppb<br>5 | 1F15<br>Se<br>ppm<br>0.1 | 1F15<br>Te<br>ppm<br>0.02 | 1F15<br>Ga<br>ppm<br>0.1 |
|------------------------|----------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|
| STD OREAS45CA          | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD OREAS45CA          | Standard |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD OREAS45CA Expected |          |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8 Expected       |          | 279                      | 0.113                    | 2.6                   | 0.93                    | 0.0883                   | 0.41                   | 3                       | 2.3                      | 5.4                       | 0.1679                 | 192                    | 5.23                     | 5                         | 4.7                      |
| BLK                    | Blank    |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| BLK                    | Blank    |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| BLK                    | Blank    |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| BLK                    | Blank    |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| BLK                    | Blank    |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| BLK                    | Blank    |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| BLK                    | Blank    |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| BLK                    | Blank    |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| BLK                    | Blank    | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                    | Blank    | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                    | Blank    | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                    | Blank    | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                    | Blank    | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                    | Blank    | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                    | Blank    | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                    | Blank    | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 12, 2011

Report Date: September 24, 2011

Page: 1 of 8

## CERTIFICATE OF ANALYSIS

WHI11001134.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-20  
P.O. Number  
Number of Samples: 201

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 201               | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 201               | Dry at 60C                                            |              |               | WHI |
| RJSV        | 201               | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F01        | 201               | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 0.5          | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11TB0743A | Soil                             | 1.09        | 15.11       | 7.98        | 24.0       | 459      | 12.2       | 2.6        | 95       | 0.79      | 2.0        | 0.4        | 1.8        | <0.1       | 23.7       | 0.62        | 0.20        | 0.16        | 18       | 0.19      |
| 11TB0744A | Soil                             | 1.20        | 15.02       | 6.83        | 21.9       | 443      | 11.5       | 2.8        | 73       | 0.81      | 2.8        | 0.2        | 1.5        | <0.1       | 21.1       | 0.53        | 0.17        | 0.11        | 20       | 0.19      |
| 11TB0745A | Soil                             | 1.09        | 23.26       | 6.34        | 36.3       | 655      | 16.5       | 4.3        | 128      | 0.99      | 1.9        | 0.6        | 0.8        | <0.1       | 24.4       | 1.03        | 0.17        | 0.10        | 15       | 0.29      |
| 11TB0746A | Soil                             | 5.06        | 13.13       | 4.85        | 25.6       | 249      | 7.8        | 5.2        | 328      | 0.77      | 1.5        | 1.7        | 5.8        | 0.2        | 72.3       | 0.30        | 0.36        | 0.08        | 12       | 1.46      |
| 11TB0747A | Soil                             | 1.15        | 21.57       | 4.73        | 43.8       | 120      | 9.0        | 2.5        | 97       | 0.90      | 1.8        | 1.8        | 0.5        | <0.1       | 13.1       | 0.50        | 0.22        | 0.11        | 22       | 0.16      |
| 11TB0748A | Soil                             | 1.14        | 17.56       | 6.22        | 20.6       | 208      | 8.1        | 2.4        | 61       | 0.88      | 1.5        | 0.3        | 0.6        | <0.1       | 13.6       | 0.42        | 0.16        | 0.13        | 24       | 0.10      |
| 11TB0749A | Soil                             | 2.83        | 15.66       | 7.28        | 60.9       | 181      | 8.3        | 4.6        | 200      | 1.97      | 2.7        | 0.9        | 2.1        | 1.7        | 24.0       | 0.12        | 0.14        | 0.09        | 27       | 0.34      |
| 11TB0750A | Soil                             | 2.20        | 7.53        | 1.84        | 20.4       | 74       | 4.5        | 2.2        | 78       | 0.60      | 1.5        | 0.5        | 0.8        | 1.0        | 65.7       | 0.13        | 0.29        | 0.03        | 8        | 0.81      |
| 11TB0751A | Soil                             | 0.92        | 17.25       | 4.89        | 29.5       | 225      | 7.4        | 3.1        | 92       | 1.25      | 2.2        | 2.3        | 1.4        | 0.3        | 37.4       | 0.19        | 0.21        | 0.07        | 15       | 0.49      |
| 11TB0752A | Soil                             | 0.69        | 20.39       | 5.48        | 17.7       | 406      | 8.4        | 3.5        | 48       | 0.94      | 2.0        | 0.5        | 1.9        | <0.1       | 15.9       | 0.31        | 0.14        | 0.11        | 19       | 0.09      |
| 11TB0753A | Soil                             | 1.31        | 9.38        | 5.67        | 20.9       | 586      | 6.2        | 2.3        | 77       | 1.07      | 3.4        | 0.2        | 0.4        | <0.1       | 11.6       | 0.27        | 0.21        | 0.09        | 29       | 0.11      |
| 11TB0754A | Soil                             | 1.01        | 19.85       | 8.29        | 16.8       | 122      | 7.5        | 1.7        | 61       | 0.69      | 1.7        | 0.8        | 0.6        | <0.1       | 19.9       | 0.29        | 0.13        | 0.20        | 14       | 0.14      |
| 11TB0755A | Soil                             | 0.73        | 68.16       | 4.42        | 26.3       | 503      | 28.3       | 7.4        | 127      | 1.53      | 2.1        | 1.3        | 1.5        | <0.1       | 24.9       | 0.32        | 0.14        | 0.08        | 31       | 0.37      |
| 11TB0756A | Soil                             | 0.63        | 18.43       | 3.95        | 59.0       | 183      | 16.4       | 12.1       | 607      | 2.26      | 2.9        | 1.0        | 1.5        | 1.1        | 51.9       | 0.32        | 0.21        | 0.08        | 42       | 1.16      |
| 11TB0757A | Soil                             | 1.50        | 13.73       | 5.69        | 26.4       | 902      | 9.5        | 3.1        | 89       | 0.56      | 1.9        | 0.2        | 0.9        | <0.1       | 36.5       | 0.59        | 0.16        | 0.06        | 9        | 0.35      |
| 11TB0758A | Soil                             | 1.78        | 18.69       | 6.51        | 24.1       | 252      | 16.3       | 3.4        | 98       | 1.25      | 2.9        | 0.3        | 1.1        | <0.1       | 12.4       | 0.53        | 0.21        | 0.15        | 32       | 0.09      |
| 11TB0759A | Soil                             | 1.35        | 16.94       | 8.36        | 28.7       | 275      | 9.8        | 2.6        | 164      | 0.80      | 2.6        | 0.2        | 0.5        | <0.1       | 19.3       | 0.52        | 0.18        | 0.11        | 24       | 0.22      |
| 11TB0760A | Soil                             | 0.98        | 11.45       | 6.34        | 46.4       | 183      | 6.5        | 2.2        | 83       | 1.19      | 3.5        | 0.2        | 0.3        | <0.1       | 11.5       | 0.34        | 0.21        | 0.16        | 35       | 0.08      |
| 11TB0761A | Soil                             | 1.10        | 12.40       | 7.90        | 48.0       | 172      | 7.5        | 2.5        | 117      | 1.37      | 4.2        | 0.2        | 0.4        | <0.1       | 11.9       | 0.32        | 0.22        | 0.17        | 43       | 0.10      |
| 11TB0762A | Soil                             | 2.37        | 34.05       | 8.44        | 31.5       | 528      | 16.5       | 5.9        | 91       | 1.53      | 3.8        | 0.9        | 0.7        | <0.1       | 66.8       | 0.89        | 0.23        | 0.13        | 21       | 1.10      |
| 11TB0763A | Soil                             | 2.34        | 16.39       | 3.50        | 33.3       | 318      | 11.7       | 5.1        | 114      | 1.30      | 2.7        | 0.6        | 1.0        | 0.3        | 47.2       | 0.42        | 0.22        | 0.08        | 27       | 0.64      |
| 11TB0764A | Soil                             | 2.28        | 52.14       | 5.72        | 39.0       | 544      | 17.5       | 14.7       | 1092     | 2.09      | 4.7        | 1.9        | 2.7        | 0.3        | 146.8      | 0.39        | 0.41        | 0.11        | 40       | 2.23      |
| 11TB0765A | Soil                             | 1.51        | 32.92       | 6.17        | 52.3       | 98       | 24.8       | 12.6       | 481      | 2.28      | 4.0        | 1.5        | 0.9        | 1.2        | 76.3       | 0.21        | 0.20        | 0.10        | 47       | 1.47      |
| 11TB0766A | Soil                             | 2.55        | 27.22       | 4.65        | 46.0       | 71       | 16.2       | 11.2       | 535      | 2.10      | 4.5        | 1.0        | 1.2        | 1.2        | 67.9       | 0.17        | 0.23        | 0.09        | 48       | 1.08      |
| 11TB0767A | Soil                             | 4.16        | 22.67       | 3.84        | 44.8       | 136      | 11.8       | 12.3       | 1568     | 1.75      | 3.6        | 1.2        | 1.3        | 0.5        | 79.6       | 0.40        | 0.27        | 0.08        | 32       | 1.43      |
| 11TB0768A | Soil                             | 1.85        | 14.00       | 4.81        | 31.4       | 140      | 8.6        | 4.9        | 142      | 1.27      | 3.0        | 0.7        | 0.9        | 0.2        | 38.3       | 0.20        | 0.22        | 0.07        | 19       | 0.59      |
| 11TB0769A | Soil                             | 1.62        | 16.90       | 5.63        | 41.0       | 161      | 11.3       | 6.2        | 189      | 1.75      | 4.0        | 0.7        | 3.0        | 0.3        | 28.0       | 0.13        | 0.23        | 0.09        | 34       | 0.34      |
| 11TB0770A | Soil                             | 1.51        | 17.77       | 6.81        | 46.0       | 151      | 13.2       | 6.6        | 172      | 2.18      | 4.3        | 1.1        | 1.8        | 0.6        | 24.2       | 0.16        | 0.24        | 0.11        | 39       | 0.30      |
| 11TB0771A | Soil                             | 1.90        | 13.81       | 4.56        | 34.8       | 101      | 8.5        | 5.8        | 177      | 1.56      | 3.3        | 0.7        | 0.5        | 0.6        | 30.3       | 0.15        | 0.30        | 0.07        | 25       | 0.40      |
| 11TB0772A | Soil                             | 1.52        | 13.03       | 4.23        | 31.7       | 84       | 7.8        | 6.1        | 190      | 1.35      | 2.1        | 0.7        | 2.2        | 0.7        | 32.0       | 0.22        | 0.35        | 0.15        | 18       | 0.45      |



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Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F   | 1F   | 1F    | 1F     | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F   | 1F   | 1F  | 1F  | 1F    |
|-----------|----------------------------------|------|------|------|-------|--------|-----|------|-------|------|------|-----|------|------|-----|-----|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti     | B   | Al   | Na    | K    | W    | Sc  | Ti   | S    | Hg  | Se  | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %      | ppm | %    | %     | %    | ppm  | ppm | ppm  | %    | ppb | ppm | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02 | 0.02 | 5   | 0.1 | 0.02  |
| 11TB0743A | Soil                             | 6.0  | 15.5 | 0.10 | 246.4 | 0.003  | <20 | 0.55 | 0.013 | 0.07 | <0.1 | 0.2 | 0.05 | 0.04 | 104 | 0.3 | <0.02 |
| 11TB0744A | Soil                             | 3.5  | 13.3 | 0.09 | 240.1 | 0.005  | <20 | 0.67 | 0.012 | 0.05 | <0.1 | 0.3 | 0.05 | 0.07 | 102 | 0.3 | <0.02 |
| 11TB0745A | Soil                             | 6.9  | 10.0 | 0.08 | 371.5 | <0.001 | <20 | 0.80 | 0.013 | 0.04 | <0.1 | 0.2 | 0.03 | 0.06 | 107 | 0.4 | 0.02  |
| 11TB0746A | Soil                             | 13.5 | 9.9  | 0.20 | 457.2 | 0.015  | <20 | 0.55 | 0.017 | 0.04 | <0.1 | 1.0 | 0.06 | 0.15 | 138 | 0.4 | <0.02 |
| 11TB0747A | Soil                             | 10.5 | 12.3 | 0.05 | 88.6  | 0.011  | <20 | 0.50 | 0.016 | 0.04 | <0.1 | 0.4 | 0.03 | 0.07 | 83  | 0.3 | <0.02 |
| 11TB0748A | Soil                             | 6.0  | 15.2 | 0.08 | 124.1 | 0.016  | <20 | 0.57 | 0.013 | 0.05 | <0.1 | 0.4 | 0.05 | 0.04 | 58  | 0.2 | 0.02  |
| 11TB0749A | Soil                             | 16.8 | 15.1 | 0.35 | 157.6 | 0.075  | <20 | 1.19 | 0.010 | 0.10 | 0.1  | 2.4 | 0.13 | 0.06 | 69  | 0.2 | <0.02 |
| 11TB0750A | Soil                             | 7.8  | 5.4  | 0.13 | 181.3 | 0.014  | <20 | 0.33 | 0.016 | 0.03 | <0.1 | 0.9 | 0.03 | 0.14 | 112 | 0.3 | <0.02 |
| 11TB0751A | Soil                             | 30.1 | 14.3 | 0.18 | 228.5 | 0.017  | <20 | 0.75 | 0.013 | 0.06 | <0.1 | 1.2 | 0.06 | 0.09 | 73  | 0.3 | <0.02 |
| 11TB0752A | Soil                             | 11.9 | 14.3 | 0.11 | 212.6 | 0.011  | <20 | 0.64 | 0.013 | 0.04 | <0.1 | 0.3 | 0.04 | 0.05 | 84  | 0.2 | <0.02 |
| 11TB0753A | Soil                             | 4.9  | 11.8 | 0.13 | 86.6  | 0.028  | <20 | 0.69 | 0.011 | 0.06 | 0.1  | 0.4 | 0.06 | 0.06 | 122 | 0.2 | <0.02 |
| 11TB0754A | Soil                             | 14.5 | 11.7 | 0.06 | 212.1 | 0.008  | <20 | 0.50 | 0.015 | 0.04 | <0.1 | 0.4 | 0.04 | 0.06 | 88  | 0.2 | 0.03  |
| 11TB0755A | Soil                             | 11.3 | 40.6 | 0.47 | 227.2 | 0.014  | <20 | 0.95 | 0.024 | 0.06 | <0.1 | 0.6 | 0.08 | 0.10 | 87  | 0.4 | 0.02  |
| 11TB0756A | Soil                             | 31.5 | 19.8 | 0.50 | 665.5 | 0.021  | <20 | 1.45 | 0.015 | 0.05 | <0.1 | 2.7 | 0.09 | 0.08 | 94  | 0.3 | <0.02 |
| 11TB0757A | Soil                             | 4.3  | 9.5  | 0.08 | 334.0 | 0.002  | <20 | 0.48 | 0.017 | 0.09 | <0.1 | 0.2 | 0.03 | 0.09 | 143 | 0.2 | <0.02 |
| 11TB0758A | Soil                             | 6.2  | 30.4 | 0.20 | 122.9 | 0.006  | <20 | 0.82 | 0.010 | 0.05 | <0.1 | 0.2 | 0.05 | 0.05 | 51  | 0.2 | 0.03  |
| 11TB0759A | Soil                             | 4.0  | 14.2 | 0.11 | 181.7 | 0.007  | <20 | 0.57 | 0.012 | 0.06 | <0.1 | 0.2 | 0.04 | 0.05 | 86  | 0.1 | <0.02 |
| 11TB0760A | Soil                             | 4.6  | 14.1 | 0.12 | 110.4 | 0.012  | <20 | 0.65 | 0.007 | 0.05 | <0.1 | 0.3 | 0.04 | 0.04 | 58  | 0.2 | <0.02 |
| 11TB0761A | Soil                             | 5.7  | 15.5 | 0.15 | 112.7 | 0.015  | <20 | 0.75 | 0.008 | 0.05 | <0.1 | 0.3 | 0.06 | 0.04 | 59  | 0.2 | <0.02 |
| 11TB0762A | Soil                             | 24.5 | 15.1 | 0.23 | 474.0 | 0.007  | <20 | 1.25 | 0.012 | 0.06 | <0.1 | 0.4 | 0.05 | 0.08 | 95  | 0.4 | 0.02  |
| 11TB0763A | Soil                             | 5.4  | 18.7 | 0.36 | 241.2 | 0.028  | <20 | 0.84 | 0.016 | 0.07 | <0.1 | 2.1 | 0.06 | 0.09 | 114 | 0.5 | <0.02 |
| 11TB0764A | Soil                             | 17.9 | 26.2 | 0.48 | 485.2 | 0.022  | <20 | 2.18 | 0.014 | 0.05 | <0.1 | 4.2 | 0.10 | 0.13 | 180 | 0.7 | 0.03  |
| 11TB0765A | Soil                             | 8.7  | 39.4 | 0.84 | 363.8 | 0.058  | <20 | 2.00 | 0.016 | 0.06 | <0.1 | 3.3 | 0.11 | 0.09 | 51  | 0.7 | <0.02 |
| 11TB0766A | Soil                             | 7.2  | 28.6 | 0.69 | 251.3 | 0.059  | <20 | 1.49 | 0.018 | 0.04 | <0.1 | 2.8 | 0.08 | 0.08 | 43  | 0.4 | 0.04  |
| 11TB0767A | Soil                             | 7.8  | 21.3 | 0.45 | 322.8 | 0.030  | <20 | 1.03 | 0.016 | 0.04 | <0.1 | 1.7 | 0.07 | 0.14 | 70  | 0.4 | 0.03  |
| 11TB0768A | Soil                             | 6.8  | 15.2 | 0.25 | 181.9 | 0.023  | <20 | 0.73 | 0.014 | 0.04 | <0.1 | 1.4 | 0.05 | 0.13 | 87  | 0.4 | <0.02 |
| 11TB0769A | Soil                             | 8.2  | 22.2 | 0.38 | 155.8 | 0.032  | <20 | 1.13 | 0.011 | 0.04 | <0.1 | 1.5 | 0.07 | 0.06 | 67  | 0.3 | <0.02 |
| 11TB0770A | Soil                             | 11.6 | 23.6 | 0.41 | 179.5 | 0.034  | <20 | 1.38 | 0.011 | 0.04 | 0.2  | 2.2 | 0.08 | 0.08 | 68  | 0.3 | <0.02 |
| 11TB0771A | Soil                             | 14.9 | 13.4 | 0.24 | 200.3 | 0.025  | <20 | 0.83 | 0.013 | 0.06 | 0.1  | 1.6 | 0.07 | 0.10 | 93  | 0.3 | <0.02 |
| 11TB0772A | Soil                             | 13.4 | 10.7 | 0.21 | 197.2 | 0.028  | <20 | 0.74 | 0.016 | 0.04 | 0.2  | 1.7 | 0.06 | 0.08 | 78  | 0.2 | <0.02 |



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Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11TB0773A | Soil                             | 1.14        | 13.66       | 5.62        | 41.5       | 95       | 12.7       | 5.5        | 161      | 1.65      | 3.7        | 0.7        | 0.8        | 0.8        | 27.1       | 0.12        | 0.17        | 0.09        | 29       | 0.34      |
| 11TB0774A | Soil                             | 1.13        | 19.69       | 5.87        | 39.1       | 119      | 12.2       | 6.6        | 201      | 1.67      | 2.7        | 0.7        | 1.0        | 0.5        | 33.5       | 0.18        | 0.22        | 0.18        | 33       | 0.42      |
| 11TB0775A | Soil                             | 1.12        | 14.69       | 4.66        | 31.6       | 268      | 6.0        | 2.4        | 77       | 0.91      | 1.3        | 0.3        | 0.4        | 0.2        | 14.2       | 0.24        | 0.16        | 0.10        | 24       | 0.13      |
| 11TB0776A | Soil                             | 1.20        | 32.55       | 7.92        | 44.9       | 361      | 16.7       | 21.8       | 1631     | 2.75      | 3.9        | 2.1        | 3.9        | 2.5        | 42.1       | 0.24        | 0.27        | 0.11        | 42       | 0.68      |
| 11TB0777A | Soil                             | 1.62        | 19.21       | 5.90        | 37.1       | 184      | 9.7        | 7.1        | 188      | 1.58      | 2.0        | 1.9        | 0.7        | 1.2        | 27.0       | 0.20        | 0.17        | 0.08        | 16       | 0.33      |
| 11TB0778A | Soil                             | 1.34        | 27.68       | 5.96        | 32.5       | 532      | 9.1        | 5.8        | 191      | 1.15      | 3.0        | 2.2        | 0.4        | 0.2        | 41.8       | 0.33        | 0.20        | 0.06        | 11       | 0.45      |
| 11TB0779A | Soil                             | 1.28        | 10.49       | 7.22        | 53.7       | 114      | 10.0       | 11.1       | 357      | 1.92      | 2.0        | 1.1        | 2.1        | 1.6        | 18.7       | 0.13        | 0.15        | 0.12        | 33       | 0.19      |
| 11TB0780A | Soil                             | 0.70        | 12.95       | 11.72       | 41.7       | 215      | 9.0        | 10.2       | 1316     | 1.23      | 1.6        | 0.4        | 0.7        | 0.1        | 24.1       | 0.40        | 0.13        | 0.16        | 33       | 0.22      |
| 11TB0781A | Soil                             | 0.69        | 13.71       | 12.76       | 43.7       | 231      | 7.9        | 10.9       | 1370     | 1.22      | 1.7        | 0.4        | 1.3        | 0.1        | 25.4       | 0.50        | 0.15        | 0.19        | 33       | 0.24      |
| 11TB0782A | Soil                             | 1.04        | 14.06       | 6.91        | 26.9       | 204      | 9.6        | 3.4        | 69       | 1.13      | 2.0        | 0.3        | 1.0        | <0.1       | 18.9       | 0.56        | 0.23        | 0.20        | 32       | 0.10      |
| 11TB0783A | Soil                             | 0.72        | 12.78       | 5.67        | 14.7       | 372      | 5.2        | 2.2        | 39       | 0.74      | <0.1       | 0.2        | 0.5        | <0.1       | 21.6       | 0.54        | 0.12        | 0.16        | 21       | 0.10      |
| 11TB0784A | Soil                             | 0.81        | 7.60        | 7.82        | 40.0       | 125      | 9.4        | 4.5        | 359      | 2.17      | 3.0        | 0.2        | 0.4        | 1.2        | 19.1       | 0.10        | 0.10        | 0.19        | 57       | 0.16      |
| 11TB0785A | Soil                             | 0.91        | 10.04       | 7.59        | 33.2       | 246      | 8.0        | 7.9        | 5092     | 1.43      | 0.3        | 0.2        | <0.2       | <0.1       | 20.3       | 0.27        | 0.15        | 0.18        | 40       | 0.14      |
| 11TB0786A | Soil                             | 0.71        | 9.28        | 6.20        | 23.3       | 130      | 7.1        | 2.4        | 85       | 1.30      | 1.8        | 0.3        | 0.6        | <0.1       | 17.2       | 0.23        | 0.43        | 0.15        | 35       | 0.10      |
| 11TB0787A | Soil                             | 0.53        | 11.15       | 6.09        | 16.4       | 134      | 4.8        | 1.3        | 49       | 0.80      | 0.6        | 0.4        | 0.8        | <0.1       | 41.0       | 0.19        | 0.12        | 0.17        | 21       | 0.22      |
| 11TB0788A | Soil                             | 0.56        | 9.57        | 2.96        | 44.3       | 55       | 5.7        | 2.1        | 103      | 0.51      | 1.0        | <0.1       | 0.9        | <0.1       | 31.7       | 0.78        | 0.14        | 0.09        | 12       | 0.16      |
| 11TB0789A | Soil                             | 1.03        | 11.44       | 6.01        | 16.2       | 181      | 7.1        | 2.1        | 60       | 0.91      | 1.9        | 0.3        | 0.6        | <0.1       | 28.1       | 0.20        | 0.19        | 0.14        | 20       | 0.18      |
| 11TB0790A | Soil                             | 0.95        | 13.34       | 4.53        | 17.9       | 185      | 4.8        | 1.9        | 59       | 0.84      | 0.2        | 1.0        | 0.8        | 0.6        | 28.3       | 0.10        | 0.13        | 0.12        | 24       | 0.22      |
| 11TB0791A | Soil                             | 1.36        | 24.72       | 6.79        | 30.4       | 267      | 8.8        | 4.9        | 107      | 1.50      | 1.2        | 2.0        | 2.1        | 0.9        | 27.9       | 0.24        | 0.25        | 0.11        | 21       | 0.13      |
| 11TB0792A | Soil                             | 1.24        | 15.92       | 7.25        | 28.5       | 1504     | 7.2        | 3.1        | 84       | 1.04      | 1.2        | 1.1        | 0.7        | <0.1       | 44.4       | 0.33        | 0.24        | 0.10        | 19       | 0.37      |
| 11TB0793A | Soil                             | 0.66        | 16.03       | 5.21        | 28.9       | 144      | 10.3       | 4.1        | 94       | 1.13      | 2.3        | 1.8        | 1.7        | 0.6        | 79.2       | 0.36        | 0.44        | 0.09        | 13       | 0.79      |
| 11TB0794A | Soil                             | 0.77        | 12.34       | 6.71        | 56.5       | 111      | 10.5       | 8.6        | 412      | 2.11      | 2.3        | 0.8        | 0.9        | 1.7        | 29.6       | 0.24        | 0.10        | 0.10        | 43       | 0.37      |
| 11TB0796A | Soil                             | 0.86        | 8.79        | 6.35        | 29.9       | 119      | 6.2        | 2.6        | 117      | 1.26      | 2.9        | 0.3        | 0.7        | <0.1       | 20.8       | 0.39        | 0.21        | 0.28        | 41       | 0.13      |
| 11TB0797A | Soil                             | 0.80        | 15.26       | 7.74        | 26.7       | 354      | 6.4        | 3.5        | 166      | 1.71      | 2.4        | 0.7        | 0.8        | 0.1        | 22.8       | 0.21        | 0.17        | 0.17        | 41       | 0.17      |
| 11TB0798A | Soil                             | 0.95        | 9.17        | 5.89        | 28.3       | 515      | 6.8        | 3.3        | 168      | 1.47      | 2.1        | 0.4        | 0.3        | <0.1       | 37.7       | 0.25        | 0.18        | 0.12        | 40       | 0.26      |
| 11TB0799A | Soil                             | 0.90        | 11.94       | 5.89        | 26.9       | 515      | 7.5        | 3.2        | 140      | 0.99      | 1.7        | 0.4        | <0.2       | <0.1       | 37.2       | 0.61        | 0.16        | 0.11        | 23       | 0.35      |
| 11TB0800A | Soil                             | 0.46        | 15.99       | 5.94        | 65.8       | 126      | 15.3       | 13.6       | 1312     | 2.43      | 3.4        | 1.0        | 1.7        | 1.4        | 64.3       | 0.19        | 0.22        | 0.09        | 49       | 1.25      |
| 11TB0801A | Soil                             | 0.46        | 15.34       | 5.70        | 65.0       | 128      | 15.2       | 14.2       | 1448     | 2.33      | 3.0        | 1.0        | 1.0        | 1.5        | 65.2       | 0.23        | 0.22        | 0.08        | 46       | 1.27      |
| 11TB0802A | Soil                             | 0.47        | 11.05       | 6.18        | 124.7      | 338      | 10.5       | 12.1       | 1720     | 1.94      | 1.7        | 0.3        | 12.2       | 0.4        | 78.2       | 0.99        | 0.11        | 0.11        | 47       | 1.06      |
| 11TB0803A | Soil                             | 0.55        | 8.75        | 6.54        | 50.4       | 205      | 12.5       | 7.4        | 269      | 2.31      | 3.3        | 0.4        | <0.2       | 1.1        | 31.5       | 0.20        | 0.11        | 0.13        | 62       | 0.32      |



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Project: Mariposa  
Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F   | 1F   | 1F    | 1F    | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F   | 1F    | 1F  | 1F   | 1F    |
|-----------|----------------------------------|------|------|------|-------|-------|-----|------|-------|------|------|-----|------|-------|-----|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B   | Al   | Na    | K    | W    | Sc  | Ti   | S     | Hg  | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm | %    | %     | %    | ppm  | ppm | ppm  | %     | ppb | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02 | 0.02  | 5   | 0.1  | 0.02  |
| 11TB0773A | Soil                             | 13.3 | 25.8 | 0.40 | 167.5 | 0.041 | <20 | 1.25 | 0.011 | 0.06 | <0.1 | 2.1 | 0.10 | 0.06  | 61  | 0.3  | 0.02  |
| 11TB0774A | Soil                             | 10.2 | 24.9 | 0.42 | 191.4 | 0.037 | <20 | 1.14 | 0.015 | 0.05 | 0.1  | 1.9 | 0.07 | 0.07  | 60  | 0.3  | <0.02 |
| 11TB0775A | Soil                             | 6.2  | 19.6 | 0.19 | 92.1  | 0.026 | <20 | 0.72 | 0.013 | 0.06 | <0.1 | 1.3 | 0.06 | 0.04  | 98  | 0.3  | 0.02  |
| 11TB0776A | Soil                             | 70.6 | 22.5 | 0.41 | 450.6 | 0.031 | <20 | 1.71 | 0.012 | 0.06 | <0.1 | 4.8 | 0.08 | 0.11  | 86  | 0.2  | <0.02 |
| 11TB0777A | Soil                             | 30.3 | 13.2 | 0.21 | 211.4 | 0.030 | <20 | 0.95 | 0.012 | 0.06 | <0.1 | 2.0 | 0.07 | 0.11  | 75  | 0.2  | <0.02 |
| 11TB0778A | Soil                             | 45.7 | 9.6  | 0.12 | 336.8 | 0.011 | <20 | 0.61 | 0.014 | 0.04 | <0.1 | 1.0 | 0.03 | 0.10  | 143 | 0.3  | <0.02 |
| 11TB0779A | Soil                             | 21.1 | 21.2 | 0.35 | 158.7 | 0.050 | <20 | 1.37 | 0.010 | 0.08 | 0.1  | 2.1 | 0.11 | 0.04  | 50  | 0.1  | 0.03  |
| 11TB0780A | Soil                             | 6.8  | 16.2 | 0.19 | 186.3 | 0.029 | <20 | 0.84 | 0.011 | 0.08 | <0.1 | 1.0 | 0.11 | 0.04  | 65  | 0.2  | 0.03  |
| 11TB0781A | Soil                             | 6.7  | 13.6 | 0.19 | 207.7 | 0.029 | <20 | 0.83 | 0.012 | 0.08 | <0.1 | 1.0 | 0.10 | 0.04  | 73  | 0.3  | 0.02  |
| 11TB0782A | Soil                             | 5.5  | 14.2 | 0.12 | 193.9 | 0.009 | <20 | 0.81 | 0.010 | 0.04 | <0.1 | 0.3 | 0.05 | 0.04  | 63  | 0.2  | <0.02 |
| 11TB0783A | Soil                             | 4.5  | 11.2 | 0.07 | 138.3 | 0.003 | <20 | 0.64 | 0.013 | 0.04 | <0.1 | 0.2 | 0.06 | 0.03  | 65  | 0.3  | <0.02 |
| 11TB0784A | Soil                             | 7.6  | 19.9 | 0.27 | 172.2 | 0.038 | <20 | 1.17 | 0.007 | 0.04 | <0.1 | 1.6 | 0.11 | <0.02 | 25  | <0.1 | <0.02 |
| 11TB0785A | Soil                             | 6.1  | 13.4 | 0.14 | 279.8 | 0.018 | <20 | 0.80 | 0.010 | 0.04 | <0.1 | 0.5 | 0.14 | 0.02  | 60  | 0.1  | 0.02  |
| 11TB0786A | Soil                             | 5.4  | 13.8 | 0.14 | 110.2 | 0.021 | <20 | 0.78 | 0.009 | 0.04 | <0.1 | 0.6 | 0.07 | 0.04  | 76  | 0.1  | <0.02 |
| 11TB0787A | Soil                             | 9.4  | 12.0 | 0.11 | 112.4 | 0.006 | <20 | 0.76 | 0.010 | 0.03 | <0.1 | 0.3 | 0.07 | 0.04  | 52  | 0.1  | 0.02  |
| 11TB0788A | Soil                             | 1.5  | 6.5  | 0.10 | 360.3 | 0.007 | <20 | 0.30 | 0.009 | 0.05 | <0.1 | 0.2 | 0.04 | 0.06  | 124 | 0.2  | <0.02 |
| 11TB0789A | Soil                             | 4.5  | 10.0 | 0.10 | 166.4 | 0.015 | <20 | 0.67 | 0.009 | 0.04 | <0.1 | 0.5 | 0.04 | 0.06  | 133 | 0.3  | <0.02 |
| 11TB0790A | Soil                             | 22.2 | 11.7 | 0.12 | 199.5 | 0.025 | <20 | 0.71 | 0.011 | 0.04 | 0.1  | 1.7 | 0.06 | <0.02 | 41  | <0.1 | <0.02 |
| 11TB0791A | Soil                             | 51.3 | 14.4 | 0.17 | 419.8 | 0.017 | <20 | 1.01 | 0.011 | 0.07 | 0.1  | 2.5 | 0.06 | 0.08  | 128 | 0.2  | 0.04  |
| 11TB0792A | Soil                             | 21.3 | 10.8 | 0.14 | 202.0 | 0.015 | <20 | 0.63 | 0.012 | 0.09 | <0.1 | 0.9 | 0.05 | 0.09  | 187 | 0.2  | <0.02 |
| 11TB0793A | Soil                             | 45.3 | 8.9  | 0.16 | 407.0 | 0.009 | <20 | 0.95 | 0.014 | 0.06 | <0.1 | 3.0 | 0.04 | 0.11  | 165 | <0.1 | <0.02 |
| 11TB0794A | Soil                             | 19.5 | 19.4 | 0.40 | 342.2 | 0.011 | <20 | 1.39 | 0.010 | 0.07 | <0.1 | 3.4 | 0.06 | 0.04  | 50  | 0.3  | <0.02 |
| 11TB0796A | Soil                             | 6.9  | 14.2 | 0.14 | 191.1 | 0.023 | <20 | 0.71 | 0.009 | 0.05 | <0.1 | 0.7 | 0.06 | 0.03  | 61  | 0.2  | <0.02 |
| 11TB0797A | Soil                             | 9.9  | 16.7 | 0.17 | 240.0 | 0.026 | <20 | 1.15 | 0.011 | 0.04 | <0.1 | 1.3 | 0.08 | 0.03  | 94  | 0.2  | <0.02 |
| 11TB0798A | Soil                             | 6.3  | 13.4 | 0.26 | 167.3 | 0.021 | <20 | 1.01 | 0.014 | 0.05 | <0.1 | 1.0 | 0.06 | 0.05  | 81  | 0.2  | <0.02 |
| 11TB0799A | Soil                             | 4.7  | 11.7 | 0.15 | 201.9 | 0.019 | <20 | 0.74 | 0.015 | 0.07 | <0.1 | 0.6 | 0.05 | 0.07  | 122 | 0.3  | <0.02 |
| 11TB0800A | Soil                             | 34.2 | 22.3 | 0.63 | 712.6 | 0.029 | <20 | 1.71 | 0.018 | 0.05 | <0.1 | 4.6 | 0.08 | 0.08  | 93  | 0.2  | <0.02 |
| 11TB0801A | Soil                             | 33.4 | 20.7 | 0.60 | 692.0 | 0.029 | <20 | 1.64 | 0.019 | 0.05 | <0.1 | 4.5 | 0.07 | 0.08  | 89  | 0.2  | <0.02 |
| 11TB0802A | Soil                             | 5.8  | 16.3 | 0.47 | 484.2 | 0.027 | <20 | 1.36 | 0.012 | 0.09 | 0.1  | 2.2 | 0.09 | 0.04  | 66  | 0.2  | <0.02 |
| 11TB0803A | Soil                             | 7.8  | 25.0 | 0.48 | 280.2 | 0.041 | <20 | 1.71 | 0.009 | 0.05 | <0.1 | 2.8 | 0.09 | <0.02 | 33  | 0.1  | <0.02 |



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Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11TB0804A | Soil                             | 0.85        | 10.35       | 7.73        | 62.2       | 327      | 10.4       | 10.5       | 1407     | 2.60      | 3.1        | 0.8        | 0.9        | 0.7        | 84.2       | 0.30        | 0.12        | 0.12        | 78       | 0.72      |
| 11TB0805A | Soil                             | 0.80        | 9.09        | 7.27        | 55.7       | 147      | 12.0       | 8.1        | 640      | 2.56      | 3.0        | 0.3        | <0.2       | 0.8        | 36.7       | 0.19        | 0.15        | 0.14        | 62       | 0.29      |
| 11TB0806A | Soil                             | 0.56        | 13.11       | 7.21        | 68.1       | 254      | 14.1       | 12.1       | 2593     | 2.55      | 2.3        | 0.2        | 3.8        | 1.0        | 51.7       | 0.38        | 0.20        | 0.14        | 56       | 0.40      |
| 11TB0807A | Soil                             | 0.75        | 8.62        | 8.36        | 74.1       | 78       | 14.3       | 9.1        | 632      | 2.92      | 4.0        | 0.3        | <0.2       | 1.6        | 42.5       | 0.16        | 0.19        | 0.17        | 68       | 0.32      |
| 11TB0808A | Soil                             | 0.75        | 7.47        | 7.03        | 62.0       | 77       | 12.1       | 7.4        | 643      | 2.54      | 3.4        | 0.3        | <0.2       | 0.8        | 31.2       | 0.15        | 0.22        | 0.14        | 66       | 0.27      |
| 11TB0809A | Soil                             | 0.86        | 8.89        | 7.59        | 41.3       | 196      | 11.3       | 6.1        | 552      | 2.10      | 3.0        | 0.2        | <0.2       | 0.9        | 39.6       | 0.15        | 0.16        | 0.16        | 55       | 0.29      |
| 11TB0810A | Soil                             | 0.85        | 10.77       | 6.45        | 105.0      | 181      | 9.1        | 10.3       | 3157     | 1.03      | 3.0        | 0.2        | 0.8        | <0.1       | 91.2       | 0.70        | 0.25        | 0.13        | 25       | 0.78      |
| 11TB0811A | Soil                             | 0.78        | 11.70       | 4.13        | 22.0       | 337      | 5.2        | 2.0        | 64       | 0.72      | 1.6        | 0.2        | 0.8        | <0.1       | 16.2       | 0.27        | 0.18        | 0.11        | 18       | 0.07      |
| 11TB0812A | Soil                             | 1.02        | 13.43       | 4.63        | 15.9       | 566      | 8.5        | 2.7        | 57       | 0.68      | 0.7        | 0.2        | 0.3        | <0.1       | 28.1       | 0.43        | 0.15        | 0.08        | 13       | 0.14      |
| 11TB0813A | Soil                             | 0.82        | 8.34        | 4.04        | 26.1       | 171      | 6.2        | 3.4        | 110      | 1.27      | 1.3        | 0.3        | 1.3        | <0.1       | 47.0       | 0.34        | 0.19        | 0.08        | 34       | 0.20      |
| 11TB0814A | Soil                             | 0.73        | 10.70       | 5.27        | 23.9       | 304      | 6.1        | 2.7        | 65       | 1.06      | 1.0        | 0.4        | <0.2       | <0.1       | 36.9       | 0.25        | 0.14        | 0.10        | 23       | 0.18      |
| 11TB0815A | Soil                             | 0.69        | 11.57       | 5.58        | 27.1       | 389      | 9.5        | 4.2        | 119      | 1.45      | 2.7        | 0.7        | 1.2        | 0.1        | 53.5       | 0.24        | 0.25        | 0.11        | 24       | 0.61      |
| 11TB0816A | Soil                             | 0.88        | 7.77        | 6.19        | 20.0       | 253      | 5.4        | 2.5        | 106      | 1.16      | 2.3        | 0.2        | 0.4        | 0.1        | 16.6       | 0.21        | 0.16        | 0.15        | 34       | 0.10      |
| 11TB0817A | Soil                             | 0.65        | 12.30       | 4.77        | 16.2       | 131      | 6.3        | 2.1        | 46       | 0.67      | 1.2        | 0.2        | 0.7        | <0.1       | 30.1       | 0.45        | 0.14        | 0.11        | 17       | 0.12      |
| 11TB0818A | Soil                             | 0.94        | 8.32        | 5.51        | 18.3       | 613      | 5.6        | 2.2        | 67       | 0.83      | 1.6        | 0.6        | <0.2       | <0.1       | 44.0       | 0.15        | 0.14        | 0.09        | 21       | 0.23      |
| 11TB0819A | Soil                             | 2.81        | 13.35       | 6.54        | 24.9       | 300      | 15.8       | 5.3        | 124      | 1.88      | 4.0        | 1.1        | 2.3        | 0.2        | 41.7       | 0.23        | 0.29        | 0.12        | 15       | 0.49      |
| 11TB0820A | Soil                             | 1.46        | 18.90       | 5.97        | 53.0       | 193      | 17.1       | 8.5        | 261      | 2.33      | 3.8        | 0.8        | 7.9        | 0.6        | 23.3       | 0.14        | 0.25        | 0.20        | 43       | 0.34      |
| 11TB0821A | Soil                             | 1.46        | 20.53       | 6.12        | 54.3       | 158      | 17.8       | 8.3        | 227      | 2.42      | 4.3        | 0.7        | 5.8        | 0.7        | 20.8       | 0.14        | 0.22        | 0.15        | 47       | 0.30      |
| 11TB0822A | Soil                             | 2.98        | 22.31       | 5.21        | 43.4       | 162      | 13.2       | 14.7       | 554      | 2.19      | 4.3        | 1.0        | 1.3        | 0.5        | 44.3       | 0.15        | 0.22        | 0.10        | 51       | 0.63      |
| 11TB0823A | Soil                             | 2.10        | 9.92        | 2.51        | 30.5       | 160      | 5.2        | 4.2        | 141      | 0.68      | 1.5        | 0.3        | 0.6        | 0.1        | 53.1       | 0.29        | 0.24        | 0.05        | 9        | 0.71      |
| 11TB0824A | Soil                             | 1.07        | 13.17       | 5.28        | 40.7       | 75       | 12.3       | 6.4        | 239      | 1.72      | 2.8        | 0.5        | 0.7        | 0.8        | 65.8       | 0.14        | 0.16        | 0.10        | 35       | 0.99      |
| 11TB0825A | Soil                             | 0.95        | 14.56       | 4.93        | 30.2       | 161      | 10.4       | 10.1       | 278      | 1.55      | 2.6        | 1.6        | 1.3        | 1.0        | 46.8       | 0.18        | 0.39        | 0.07        | 17       | 0.72      |
| 11TB0826A | Soil                             | 0.98        | 15.28       | 6.32        | 37.6       | 200      | 10.8       | 4.7        | 94       | 1.70      | 3.0        | 1.1        | 1.0        | 0.8        | 24.0       | 0.13        | 0.19        | 0.10        | 27       | 0.29      |
| 11TB0827A | Soil                             | 0.92        | 19.18       | 6.80        | 20.5       | 175      | 9.9        | 1.7        | 60       | 0.88      | 2.5        | 1.5        | 0.2        | 0.6        | 52.9       | 0.26        | 0.22        | 0.06        | 10       | 0.69      |
| 11TB0828A | Soil                             | 0.84        | 13.19       | 4.61        | 21.5       | 184      | 7.1        | 2.4        | 65       | 0.57      | 2.6        | 0.9        | 0.5        | 0.2        | 38.2       | 0.51        | 0.21        | 0.05        | 9        | 0.46      |
| 11TB0829A | Soil                             | 0.99        | 24.62       | 9.22        | 30.6       | 148      | 8.8        | 3.2        | 110      | 1.33      | 2.5        | 1.7        | 0.8        | 0.3        | 30.5       | 0.20        | 0.18        | 0.07        | 21       | 0.34      |
| 11TB0830A | Soil                             | 2.03        | 17.30       | 6.79        | 69.7       | 123      | 11.3       | 8.3        | 325      | 2.46      | 3.9        | 1.3        | <0.2       | 3.0        | 14.2       | 0.12        | 0.12        | 0.11        | 43       | 0.16      |
| 11TB0831A | Soil                             | 0.88        | 11.55       | 6.55        | 37.6       | 84       | 10.3       | 4.3        | 132      | 2.00      | 5.1        | 0.6        | 0.3        | 0.5        | 19.5       | 0.20        | 0.18        | 0.12        | 46       | 0.17      |
| 11TB0832A | Soil                             | 0.99        | 10.55       | 7.13        | 40.0       | 74       | 10.0       | 5.9        | 401      | 2.08      | 3.5        | 0.5        | 0.7        | 0.5        | 27.6       | 0.23        | 0.14        | 0.13        | 59       | 0.36      |
| 11TB0833A | Soil                             | 1.11        | 14.77       | 5.70        | 17.8       | 270      | 7.4        | 2.3        | 51       | 0.72      | 2.2        | 0.2        | <0.2       | <0.1       | 12.3       | 0.40        | 0.17        | 0.08        | 18       | 0.05      |



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Project: Mariposa  
Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F   | 1F   | 1F    | 1F    | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F   | 1F    | 1F  | 1F   | 1F    |
|-----------|----------------------------------|------|------|------|-------|-------|-----|------|-------|------|------|-----|------|-------|-----|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B   | Al   | Na    | K    | W    | Sc  | Ti   | S     | Hg  | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm | %    | %     | %    | ppm  | ppm | ppm  | %     | ppb | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02 | 0.02  | 5   | 0.1  | 0.02  |
| 11TB0804A | Soil                             | 10.4 | 19.8 | 0.54 | 172.7 | 0.045 | <20 | 1.93 | 0.011 | 0.09 | <0.1 | 3.2 | 0.06 | 0.04  | 64  | <0.1 | <0.02 |
| 11TB0805A | Soil                             | 7.0  | 22.1 | 0.45 | 194.9 | 0.057 | <20 | 1.65 | 0.008 | 0.09 | <0.1 | 2.1 | 0.09 | <0.02 | 31  | <0.1 | <0.02 |
| 11TB0806A | Soil                             | 6.1  | 24.4 | 0.46 | 417.7 | 0.063 | <20 | 1.69 | 0.012 | 0.09 | <0.1 | 2.2 | 0.11 | <0.02 | 41  | 0.1  | <0.02 |
| 11TB0807A | Soil                             | 7.0  | 24.6 | 0.53 | 284.5 | 0.075 | <20 | 1.82 | 0.008 | 0.10 | <0.1 | 2.4 | 0.10 | <0.02 | 19  | <0.1 | 0.02  |
| 11TB0808A | Soil                             | 6.1  | 20.2 | 0.46 | 240.9 | 0.074 | <20 | 1.68 | 0.009 | 0.08 | <0.1 | 1.9 | 0.08 | <0.02 | 31  | <0.1 | <0.02 |
| 11TB0809A | Soil                             | 6.5  | 20.4 | 0.32 | 261.1 | 0.043 | <20 | 1.20 | 0.010 | 0.07 | <0.1 | 1.7 | 0.09 | <0.02 | 42  | 0.2  | 0.02  |
| 11TB0810A | Soil                             | 3.8  | 12.1 | 0.20 | 476.1 | 0.022 | <20 | 0.52 | 0.015 | 0.09 | <0.1 | 0.6 | 0.09 | 0.08  | 135 | 0.3  | <0.02 |
| 11TB0811A | Soil                             | 3.2  | 10.4 | 0.08 | 197.9 | 0.004 | <20 | 0.55 | 0.014 | 0.04 | <0.1 | 0.2 | 0.04 | 0.05  | 115 | 0.3  | <0.02 |
| 11TB0812A | Soil                             | 3.1  | 8.6  | 0.08 | 214.5 | 0.003 | <20 | 0.58 | 0.012 | 0.05 | <0.1 | 0.2 | 0.03 | 0.07  | 135 | 0.4  | <0.02 |
| 11TB0813A | Soil                             | 4.0  | 11.4 | 0.22 | 102.0 | 0.031 | <20 | 0.97 | 0.012 | 0.06 | <0.1 | 1.0 | 0.05 | 0.05  | 87  | 0.3  | <0.02 |
| 11TB0814A | Soil                             | 5.3  | 11.7 | 0.14 | 185.1 | 0.006 | <20 | 0.82 | 0.013 | 0.05 | <0.1 | 0.2 | 0.06 | 0.04  | 75  | 0.2  | <0.02 |
| 11TB0815A | Soil                             | 8.3  | 15.4 | 0.25 | 210.7 | 0.022 | <20 | 1.13 | 0.014 | 0.05 | 0.1  | 1.9 | 0.07 | 0.07  | 155 | 0.5  | <0.02 |
| 11TB0816A | Soil                             | 4.3  | 10.8 | 0.12 | 103.3 | 0.026 | <20 | 0.60 | 0.006 | 0.04 | <0.1 | 0.7 | 0.06 | 0.02  | 57  | <0.1 | <0.02 |
| 11TB0817A | Soil                             | 4.1  | 8.6  | 0.08 | 157.6 | 0.014 | <20 | 0.47 | 0.009 | 0.04 | <0.1 | 0.5 | 0.04 | 0.04  | 59  | 0.2  | <0.02 |
| 11TB0818A | Soil                             | 8.6  | 10.8 | 0.13 | 113.1 | 0.023 | <20 | 0.65 | 0.010 | 0.05 | <0.1 | 1.0 | 0.04 | 0.05  | 97  | 0.2  | <0.02 |
| 11TB0819A | Soil                             | 15.0 | 27.3 | 0.21 | 496.2 | 0.014 | <20 | 0.78 | 0.010 | 0.04 | <0.1 | 1.3 | 0.07 | 0.12  | 103 | 0.5  | <0.02 |
| 11TB0820A | Soil                             | 9.4  | 32.1 | 0.51 | 314.4 | 0.030 | <20 | 1.62 | 0.008 | 0.06 | <0.1 | 3.1 | 0.08 | 0.05  | 74  | 0.2  | <0.02 |
| 11TB0821A | Soil                             | 9.3  | 33.6 | 0.54 | 274.3 | 0.034 | <20 | 1.68 | 0.007 | 0.06 | <0.1 | 3.3 | 0.09 | 0.04  | 55  | 0.2  | <0.02 |
| 11TB0822A | Soil                             | 8.0  | 26.6 | 0.48 | 244.5 | 0.027 | <20 | 1.25 | 0.013 | 0.04 | 0.1  | 2.5 | 0.07 | 0.08  | 63  | 0.2  | <0.02 |
| 11TB0823A | Soil                             | 4.7  | 5.4  | 0.12 | 183.1 | 0.011 | <20 | 0.34 | 0.013 | 0.08 | <0.1 | 0.7 | 0.04 | 0.11  | 152 | 0.3  | <0.02 |
| 11TB0824A | Soil                             | 7.8  | 21.2 | 0.49 | 261.1 | 0.039 | <20 | 1.26 | 0.011 | 0.05 | 0.2  | 1.9 | 0.07 | 0.05  | 32  | 0.2  | <0.02 |
| 11TB0825A | Soil                             | 49.5 | 15.4 | 0.32 | 339.1 | 0.029 | <20 | 0.96 | 0.011 | 0.06 | <0.1 | 2.6 | 0.07 | 0.11  | 95  | 0.3  | <0.02 |
| 11TB0826A | Soil                             | 23.9 | 21.0 | 0.31 | 203.5 | 0.025 | <20 | 1.15 | 0.007 | 0.05 | <0.1 | 1.9 | 0.07 | 0.07  | 67  | 0.2  | 0.03  |
| 11TB0827A | Soil                             | 88.7 | 10.3 | 0.14 | 388.3 | 0.014 | <20 | 0.69 | 0.010 | 0.04 | 0.1  | 1.7 | 0.03 | 0.13  | 110 | <0.1 | 0.02  |
| 11TB0828A | Soil                             | 41.6 | 10.5 | 0.09 | 240.2 | 0.009 | <20 | 0.46 | 0.009 | 0.05 | <0.1 | 0.7 | 0.03 | 0.08  | 97  | 0.3  | <0.02 |
| 11TB0829A | Soil                             | 27.9 | 17.2 | 0.20 | 217.9 | 0.017 | <20 | 0.84 | 0.011 | 0.07 | <0.1 | 1.0 | 0.05 | 0.06  | 61  | 0.1  | <0.02 |
| 11TB0830A | Soil                             | 21.3 | 20.5 | 0.43 | 127.5 | 0.054 | <20 | 1.51 | 0.006 | 0.10 | <0.1 | 2.6 | 0.09 | 0.02  | 46  | 0.1  | <0.02 |
| 11TB0831A | Soil                             | 8.5  | 20.0 | 0.29 | 170.1 | 0.027 | <20 | 1.25 | 0.006 | 0.04 | <0.1 | 2.0 | 0.05 | 0.02  | 52  | 0.2  | 0.02  |
| 11TB0832A | Soil                             | 6.2  | 18.2 | 0.39 | 227.9 | 0.036 | <20 | 1.55 | 0.011 | 0.04 | <0.1 | 2.6 | 0.06 | <0.02 | 44  | 0.2  | 0.03  |
| 11TB0833A | Soil                             | 2.5  | 11.1 | 0.08 | 142.6 | 0.002 | <20 | 0.73 | 0.011 | 0.03 | <0.1 | 0.2 | 0.02 | 0.06  | 125 | 0.4  | <0.02 |





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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11TB0834A | Soil                             | 0.76        | 8.76        | 6.40        | 25.2       | 177      | 6.8        | 3.0        | 116      | 1.47      | 3.0        | 0.3        | <0.2       | <0.1       | 52.2       | 0.15        | 0.16        | 0.11        | 42       | 0.14      |
| 11TB0835A | Soil                             | 0.50        | 12.59       | 2.10        | 10.8       | 41       | 7.2        | 1.5        | 160      | 0.38      | 2.0        | 0.3        | 0.9        | 0.1        | 162.0      | 0.12        | 0.32        | 0.03        | 7        | 3.11      |
| 11TB0836A | Soil                             | 0.88        | 11.44       | 5.67        | 41.6       | 357      | 10.1       | 6.6        | 913      | 1.64      | 2.7        | 0.2        | <0.2       | 0.3        | 54.8       | 0.98        | 0.18        | 0.08        | 39       | 0.59      |
| 11TB0837A | Soil                             | 1.12        | 28.28       | 5.96        | 47.9       | 375      | 13.9       | 4.1        | 312      | 0.76      | 1.4        | 0.4        | 0.3        | <0.1       | 26.9       | 0.95        | 0.17        | 0.10        | 16       | 0.25      |
| 11TB0838A | Soil                             | 0.83        | 16.34       | 6.25        | 15.2       | 151      | 8.2        | 1.6        | 101      | 0.61      | 1.0        | 0.3        | 0.5        | <0.1       | 15.6       | 0.56        | 0.14        | 0.12        | 16       | 0.15      |
| 11TB0839A | Soil                             | 1.58        | 34.49       | 10.61       | 40.8       | 326      | 19.4       | 5.5        | 151      | 1.39      | 3.6        | 1.0        | 1.4        | <0.1       | 33.5       | 1.29        | 0.24        | 0.15        | 28       | 0.35      |
| 11TB0840A | Soil                             | 5.71        | 31.35       | 10.43       | 57.7       | 342      | 19.9       | 7.8        | 360      | 2.63      | 6.3        | 2.4        | 5.7        | 1.8        | 31.4       | 0.28        | 0.23        | 0.19        | 45       | 0.40      |
| 11TB0841A | Soil                             | 5.68        | 32.33       | 13.09       | 60.6       | 342      | 20.6       | 7.6        | 336      | 2.67      | 6.3        | 2.5        | 7.3        | 2.2        | 32.0       | 0.25        | 0.22        | 0.20        | 45       | 0.42      |
| 11TB0842A | Soil                             | 2.54        | 31.85       | 8.07        | 39.5       | 135      | 18.0       | 6.3        | 115      | 1.63      | 16.7       | 1.3        | 2.3        | 0.3        | 29.5       | 0.42        | 0.71        | 0.11        | 27       | 0.34      |
| 11TB0843A | Soil                             | 3.50        | 21.51       | 6.21        | 50.0       | 224      | 15.8       | 4.6        | 215      | 1.48      | 7.2        | 1.7        | 4.7        | 1.1        | 51.6       | 0.42        | 0.71        | 0.10        | 24       | 0.75      |
| 11TB0844A | Soil                             | 3.69        | 16.93       | 8.45        | 51.8       | 160      | 14.4       | 6.0        | 242      | 1.55      | 2.9        | 1.1        | 5.1        | 0.3        | 22.3       | 0.33        | 0.22        | 0.14        | 30       | 0.26      |
| 11DS0715  | Soil                             | 0.87        | 13.26       | 8.00        | 66.3       | 255      | 14.3       | 9.5        | 2078     | 1.71      | 4.7        | 0.2        | <0.2       | 0.2        | 58.5       | 0.61        | 0.35        | 0.11        | 37       | 0.89      |
| 11DS0716  | Soil                             | 0.92        | 23.28       | 9.88        | 19.5       | 413      | 15.9       | 4.0        | 58       | 0.97      | 2.5        | 0.4        | 4.1        | <0.1       | 35.3       | 0.93        | 0.20        | 0.11        | 18       | 0.26      |
| 11DS0717  | Soil                             | 0.92        | 21.76       | 5.39        | 71.3       | 794      | 13.1       | 3.7        | 144      | 0.58      | 1.6        | 0.2        | <0.2       | <0.1       | 30.3       | 2.24        | 0.16        | 0.09        | 13       | 0.17      |
| 11DS0718  | Soil                             | 1.00        | 18.90       | 5.85        | 31.1       | 526      | 10.8       | 2.7        | 59       | 0.76      | 1.7        | 0.2        | 2.5        | <0.1       | 21.8       | 0.70        | 0.18        | 0.09        | 17       | 0.16      |
| 11DS0719  | Soil                             | 1.71        | 45.36       | 7.52        | 64.1       | 700      | 21.5       | 6.1        | 229      | 1.20      | 2.9        | 1.0        | 0.2        | <0.1       | 32.4       | 3.37        | 0.21        | 0.11        | 20       | 0.33      |
| 11DS0720  | Soil                             | 1.03        | 24.71       | 6.11        | 21.7       | 391      | 9.2        | 2.4        | 37       | 0.73      | 1.6        | 0.4        | <0.2       | <0.1       | 18.1       | 0.69        | 0.15        | 0.09        | 17       | 0.10      |
| 11DS0721  | Soil                             | 1.57        | 17.49       | 4.23        | 22.5       | 694      | 7.5        | 3.5        | 58       | 1.19      | 2.7        | 2.1        | 1.4        | 0.4        | 51.2       | 0.26        | 0.24        | 0.06        | 8        | 0.62      |
| 11DS0722  | Soil                             | 2.01        | 13.73       | 1.54        | 20.4       | 67       | 4.5        | 2.5        | 610      | 0.36      | 2.0        | 3.6        | 1.5        | 0.3        | 264.5      | 0.24        | 0.21        | 0.05        | 5        | 3.32      |
| 11DS0723  | Soil                             | 1.19        | 10.74       | 4.80        | 20.5       | 232      | 7.1        | 3.6        | 112      | 1.80      | 2.9        | 2.2        | 1.5        | 0.8        | 138.1      | 0.20        | 0.19        | 0.09        | 12       | 1.98      |
| 11DS0724  | Soil                             | 0.55        | 27.30       | 4.36        | 26.3       | 292      | 10.0       | 2.0        | 51       | 0.54      | 1.5        | 0.6        | 0.9        | <0.1       | 77.0       | 0.61        | 0.13        | 0.06        | 8        | 0.65      |
| 11DS0725  | Soil                             | 1.08        | 26.33       | 6.12        | 19.5       | 461      | 16.1       | 2.7        | 51       | 0.70      | 2.2        | 0.3        | 0.7        | <0.1       | 23.9       | 1.31        | 0.13        | 0.11        | 13       | 0.12      |
| 11DS0726  | Soil                             | 0.37        | 31.29       | 4.41        | 9.7        | 226      | 12.3       | 2.2        | 24       | 0.81      | 2.2        | 1.0        | 0.7        | <0.1       | 29.8       | 0.58        | 0.12        | 0.09        | 9        | 0.18      |
| 11DS0727  | Soil                             | 0.72        | 19.72       | 5.02        | 14.3       | 236      | 7.7        | 2.4        | 26       | 0.86      | 2.9        | 1.8        | 0.2        | <0.1       | 30.7       | 0.35        | 0.16        | 0.08        | 16       | 0.16      |
| 11DS0728  | Soil                             | 0.71        | 18.08       | 4.76        | 10.4       | 160      | 9.6        | 2.5        | 25       | 0.72      | 2.3        | 0.6        | 0.4        | <0.1       | 17.2       | 0.49        | 0.12        | 0.09        | 14       | 0.07      |
| 11DS0729  | Soil                             | 0.75        | 25.32       | 5.57        | 23.8       | 569      | 11.1       | 2.9        | 76       | 0.74      | 2.9        | 1.0        | <0.2       | 0.1        | 45.1       | 0.51        | 0.18        | 0.08        | 10       | 0.48      |
| 11DS0730  | Soil                             | 0.76        | 17.34       | 6.44        | 34.8       | 243      | 8.6        | 2.3        | 60       | 0.76      | 2.8        | 0.3        | 0.7        | <0.1       | 49.0       | 0.65        | 0.15        | 0.09        | 15       | 0.37      |
| 11DS0731  | Soil                             | 0.83        | 17.82       | 5.21        | 15.2       | 71       | 10.3       | 2.4        | 37       | 0.63      | 2.1        | 0.3        | 0.7        | <0.1       | 24.0       | 0.72        | 0.13        | 0.09        | 14       | 0.11      |
| 11DS0732  | Soil                             | 0.81        | 19.18       | 4.54        | 22.3       | 218      | 8.7        | 2.2        | 35       | 0.68      | 2.2        | 0.2        | <0.2       | <0.1       | 32.4       | 0.98        | 0.16        | 0.09        | 15       | 0.13      |
| 11DS0733  | Soil                             | 0.91        | 13.20       | 5.76        | 80.0       | 345      | 9.8        | 12.3       | 5045     | 0.84      | 3.0        | 0.2        | <0.2       | <0.1       | 134.6      | 0.94        | 0.17        | 0.09        | 18       | 1.00      |



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Project: Mariposa  
Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F    | 1F   | 1F   | 1F    | 1F     | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F    | 1F   | 1F  | 1F  | 1F    |
|-----------|----------------------------------|-------|------|------|-------|--------|-----|------|-------|------|------|-----|-------|------|-----|-----|-------|
|           |                                  | La    | Cr   | Mg   | Ba    | Ti     | B   | Al   | Na    | K    | W    | Sc  | Ti    | S    | Hg  | Se  | Te    |
|           |                                  | ppm   | ppm  | %    | ppm   | %      | ppm | %    | %     | %    | ppm  | ppm | ppm   | %    | ppb | ppm | ppm   |
|           |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02  | 0.02 | 5   | 0.1 | 0.02  |
| 11TB0834A | Soil                             | 4.6   | 12.6 | 0.21 | 95.9  | 0.030  | <20 | 0.92 | 0.010 | 0.04 | <0.1 | 1.0 | 0.04  | 0.03 | 60  | 0.2 | <0.02 |
| 11TB0835A | Soil                             | 3.6   | 8.0  | 0.29 | 92.4  | 0.008  | <20 | 0.32 | 0.017 | 0.02 | <0.1 | 0.8 | <0.02 | 0.16 | 92  | 0.4 | <0.02 |
| 11TB0836A | Soil                             | 3.9   | 14.5 | 0.33 | 177.3 | 0.046  | <20 | 1.10 | 0.010 | 0.08 | 0.2  | 1.7 | 0.04  | 0.04 | 76  | 0.1 | <0.02 |
| 11TB0837A | Soil                             | 10.6  | 11.8 | 0.08 | 532.7 | 0.002  | <20 | 0.52 | 0.016 | 0.06 | <0.1 | 0.2 | 0.02  | 0.04 | 58  | 0.2 | <0.02 |
| 11TB0838A | Soil                             | 4.6   | 16.5 | 0.06 | 142.6 | 0.005  | <20 | 0.51 | 0.010 | 0.04 | <0.1 | 0.2 | 0.03  | 0.03 | 46  | 0.1 | <0.02 |
| 11TB0839A | Soil                             | 30.5  | 18.3 | 0.22 | 532.2 | 0.014  | <20 | 0.98 | 0.010 | 0.08 | <0.1 | 0.6 | 0.04  | 0.05 | 52  | 0.2 | <0.02 |
| 11TB0840A | Soil                             | 32.6  | 33.5 | 0.34 | 598.4 | 0.028  | <20 | 2.19 | 0.009 | 0.07 | <0.1 | 3.4 | 0.08  | 0.08 | 85  | 0.5 | 0.03  |
| 11TB0841A | Soil                             | 36.2  | 34.1 | 0.36 | 642.7 | 0.027  | <20 | 2.30 | 0.009 | 0.07 | 0.1  | 3.7 | 0.09  | 0.08 | 89  | 0.4 | 0.04  |
| 11TB0842A | Soil                             | 23.7  | 18.1 | 0.22 | 283.9 | 0.020  | <20 | 0.92 | 0.009 | 0.06 | 0.3  | 1.3 | 0.05  | 0.08 | 134 | 0.4 | 0.02  |
| 11TB0843A | Soil                             | 22.7  | 19.8 | 0.25 | 545.4 | 0.022  | <20 | 0.89 | 0.010 | 0.05 | 0.1  | 2.2 | 0.08  | 0.11 | 172 | 0.5 | <0.02 |
| 11TB0844A | Soil                             | 10.7  | 22.4 | 0.29 | 265.7 | 0.021  | <20 | 1.20 | 0.008 | 0.05 | <0.1 | 1.3 | 0.08  | 0.04 | 72  | 0.2 | <0.02 |
| 11DS0715  | Soil                             | 3.6   | 19.2 | 0.33 | 607.7 | 0.038  | <20 | 0.96 | 0.011 | 0.08 | <0.1 | 1.1 | 0.08  | 0.05 | 144 | 0.3 | 0.02  |
| 11DS0716  | Soil                             | 6.6   | 13.8 | 0.07 | 391.9 | 0.003  | <20 | 0.62 | 0.010 | 0.07 | <0.1 | 0.2 | 0.02  | 0.07 | 96  | 0.3 | <0.02 |
| 11DS0717  | Soil                             | 2.9   | 9.4  | 0.08 | 514.4 | 0.001  | <20 | 0.49 | 0.016 | 0.08 | <0.1 | 0.3 | 0.03  | 0.06 | 117 | 0.4 | <0.02 |
| 11DS0718  | Soil                             | 3.4   | 10.7 | 0.08 | 274.5 | 0.003  | <20 | 0.54 | 0.014 | 0.05 | <0.1 | 0.2 | 0.02  | 0.06 | 109 | 0.2 | <0.02 |
| 11DS0719  | Soil                             | 43.0  | 12.8 | 0.16 | 443.2 | 0.001  | <20 | 0.78 | 0.012 | 0.05 | <0.1 | 0.3 | 0.03  | 0.05 | 74  | 0.2 | <0.02 |
| 11DS0720  | Soil                             | 7.8   | 10.9 | 0.05 | 196.3 | 0.001  | <20 | 0.50 | 0.013 | 0.04 | <0.1 | 0.2 | 0.02  | 0.05 | 88  | 0.2 | 0.02  |
| 11DS0721  | Soil                             | 128.8 | 9.1  | 0.11 | 457.9 | 0.013  | <20 | 0.84 | 0.009 | 0.04 | <0.1 | 1.4 | 0.04  | 0.14 | 154 | 0.3 | 0.03  |
| 11DS0722  | Soil                             | 15.7  | 4.6  | 0.28 | 389.7 | 0.008  | <20 | 0.22 | 0.015 | 0.02 | <0.1 | 0.5 | 0.04  | 0.15 | 133 | 0.3 | <0.02 |
| 11DS0723  | Soil                             | 27.6  | 10.7 | 0.29 | 361.7 | 0.028  | <20 | 0.61 | 0.013 | 0.02 | <0.1 | 1.9 | 0.06  | 0.15 | 89  | 0.4 | <0.02 |
| 11DS0724  | Soil                             | 12.5  | 7.3  | 0.11 | 366.1 | 0.005  | <20 | 0.44 | 0.012 | 0.04 | <0.1 | 0.5 | 0.02  | 0.08 | 95  | 0.1 | 0.02  |
| 11DS0725  | Soil                             | 5.3   | 9.7  | 0.05 | 334.1 | 0.001  | <20 | 0.58 | 0.014 | 0.03 | <0.1 | 0.3 | 0.03  | 0.06 | 104 | 0.2 | <0.02 |
| 11DS0726  | Soil                             | 29.4  | 11.1 | 0.04 | 386.8 | 0.001  | <20 | 0.81 | 0.010 | 0.02 | <0.1 | 0.2 | 0.03  | 0.06 | 74  | 0.2 | 0.04  |
| 11DS0727  | Soil                             | 18.2  | 11.8 | 0.05 | 395.0 | 0.003  | <20 | 0.65 | 0.010 | 0.02 | <0.1 | 0.3 | 0.04  | 0.07 | 93  | 0.3 | 0.02  |
| 11DS0728  | Soil                             | 6.6   | 17.0 | 0.06 | 209.8 | 0.006  | <20 | 0.52 | 0.010 | 0.03 | <0.1 | 0.3 | 0.02  | 0.06 | 97  | 0.2 | 0.03  |
| 11DS0729  | Soil                             | 30.9  | 11.0 | 0.08 | 1078  | 0.004  | <20 | 0.57 | 0.011 | 0.04 | 0.2  | 0.5 | 0.04  | 0.09 | 103 | 0.1 | <0.02 |
| 11DS0730  | Soil                             | 3.5   | 10.3 | 0.08 | 344.2 | 0.001  | <20 | 0.50 | 0.014 | 0.05 | <0.1 | 0.3 | 0.03  | 0.06 | 114 | 0.3 | <0.02 |
| 11DS0731  | Soil                             | 3.1   | 10.4 | 0.05 | 255.4 | 0.001  | <20 | 0.61 | 0.013 | 0.03 | <0.1 | 0.2 | <0.02 | 0.05 | 83  | 0.3 | <0.02 |
| 11DS0732  | Soil                             | 3.3   | 10.5 | 0.05 | 255.3 | <0.001 | <20 | 0.52 | 0.014 | 0.04 | <0.1 | 0.2 | <0.02 | 0.05 | 98  | 0.2 | <0.02 |
| 11DS0733  | Soil                             | 3.5   | 9.5  | 0.19 | 585.7 | 0.017  | <20 | 0.45 | 0.013 | 0.09 | <0.1 | 0.5 | 0.09  | 0.08 | 117 | 0.2 | <0.02 |



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Project: Mariposa  
Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|          |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|          |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11DS0734 | Soil                             | 0.59        | 32.33       | 5.37        | 18.2       | 180      | 13.3       | 2.5        | 31       | 0.77      | 1.8        | 0.4        | 0.5        | <0.1       | 37.0       | 1.08        | 0.11        | 0.11        | 13       | 0.12      |
| 11DS0735 | Soil                             | 0.61        | 25.49       | 8.18        | 27.5       | 115      | 10.4       | 3.2        | 90       | 1.11      | 3.0        | 0.9        | <0.2       | <0.1       | 42.5       | 0.64        | 0.14        | 0.10        | 18       | 0.17      |
| 11DS0736 | Soil                             | 0.71        | 13.65       | 5.45        | 20.7       | 290      | 9.9        | 6.4        | 102      | 1.25      | 3.4        | 1.0        | 1.3        | <0.1       | 84.6       | 0.33        | 0.27        | 0.15        | 14       | 0.52      |
| 11DS0737 | Soil                             | 1.06        | 19.18       | 4.33        | 70.2       | 434      | 10.7       | 4.3        | 3543     | 0.71      | 2.7        | 0.2        | 0.5        | <0.1       | 46.4       | 0.93        | 0.16        | 0.09        | 14       | 0.21      |
| 11DS0738 | Soil                             | 1.20        | 15.86       | 5.51        | 30.4       | 1044     | 10.0       | 2.7        | 140      | 0.70      | 3.3        | 0.3        | 0.5        | <0.1       | 39.9       | 0.47        | 0.18        | 0.06        | 11       | 0.46      |
| 11DS0739 | Soil                             | 1.08        | 17.33       | 6.43        | 36.3       | 592      | 13.8       | 4.3        | 120      | 0.75      | 3.8        | 0.4        | 1.1        | <0.1       | 42.8       | 0.94        | 0.18        | 0.07        | 13       | 0.41      |
| 11DS0740 | Soil                             | 1.18        | 30.91       | 6.37        | 35.6       | 637      | 22.9       | 6.5        | 205      | 0.98      | 2.1        | 0.6        | 0.3        | <0.1       | 34.2       | 1.61        | 0.19        | 0.11        | 19       | 0.27      |
| 11DS0741 | Soil                             | 1.05        | 27.96       | 6.93        | 31.0       | 753      | 16.8       | 3.9        | 84       | 0.89      | 2.8        | 0.4        | 0.3        | <0.1       | 33.4       | 1.07        | 0.21        | 0.09        | 15       | 0.28      |
| 11DS0742 | Soil                             | 1.23        | 22.09       | 5.54        | 23.9       | 518      | 13.2       | 3.6        | 75       | 0.80      | 2.4        | 0.3        | 0.4        | <0.1       | 27.6       | 0.93        | 0.18        | 0.09        | 18       | 0.26      |
| 11DS0743 | Soil                             | 1.50        | 33.57       | 6.91        | 36.5       | 790      | 20.0       | 7.7        | 135      | 1.36      | 2.9        | 1.0        | 0.8        | <0.1       | 31.9       | 1.05        | 0.27        | 0.11        | 19       | 0.36      |
| 11DS0744 | Soil                             | 1.35        | 12.96       | 3.57        | 41.5       | 131      | 7.8        | 5.4        | 746      | 0.97      | 3.2        | 0.3        | 0.8        | 0.3        | 81.2       | 0.36        | 0.24        | 0.07        | 19       | 2.22      |
| 11DS0745 | Soil                             | 2.61        | 32.82       | 6.27        | 42.4       | 296      | 14.9       | 8.7        | 311      | 1.99      | 4.9        | 1.0        | 3.9        | 0.8        | 68.6       | 0.29        | 0.35        | 0.17        | 35       | 1.63      |
| 11DS0746 | Soil                             | 0.98        | 59.49       | 6.76        | 50.8       | 357      | 19.7       | 7.3        | 368      | 1.33      | 2.9        | 1.1        | 1.1        | 0.2        | 67.4       | 0.93        | 0.21        | 0.11        | 23       | 1.20      |
| 11DS0747 | Soil                             | 4.00        | 19.57       | 5.67        | 30.9       | 269      | 9.0        | 11.9       | 518      | 1.74      | 3.7        | 1.4        | 4.0        | 1.0        | 40.4       | 0.14        | 0.26        | 0.08        | 31       | 0.65      |
| 11DS0748 | Soil                             | 2.93        | 15.89       | 3.70        | 26.0       | 172      | 7.2        | 3.7        | 107      | 1.42      | 3.5        | 1.0        | 2.1        | 0.7        | 41.8       | 0.12        | 0.29        | 0.06        | 17       | 0.64      |
| 11DS0749 | Soil                             | 2.22        | 16.22       | 4.12        | 33.0       | 243      | 8.6        | 4.4        | 123      | 1.76      | 4.4        | 1.0        | 2.8        | 0.5        | 28.5       | 0.13        | 0.27        | 0.09        | 25       | 0.42      |
| 11DS0750 | Soil                             | 1.53        | 16.51       | 5.67        | 46.4       | 134      | 11.8       | 10.0       | 344      | 2.16      | 4.6        | 1.0        | 1.5        | 1.2        | 23.3       | 0.11        | 0.21        | 0.09        | 36       | 0.35      |
| 11DS0751 | Soil                             | 1.90        | 14.96       | 4.47        | 29.0       | 239      | 8.3        | 5.2        | 164      | 1.65      | 3.8        | 1.0        | 1.4        | 0.3        | 23.1       | 0.13        | 0.21        | 0.08        | 25       | 0.33      |
| 11DS0752 | Soil                             | 1.21        | 13.05       | 5.22        | 29.0       | 139      | 7.9        | 5.3        | 217      | 1.82      | 3.8        | 0.8        | 1.6        | 0.7        | 29.1       | 0.11        | 0.19        | 0.08        | 22       | 0.40      |
| 11DS0753 | Soil                             | 4.55        | 12.29       | 2.15        | 14.2       | 49       | 4.3        | 2.4        | 61       | 0.91      | 2.0        | 1.1        | 0.4        | 0.9        | 51.5       | 0.11        | 0.26        | <0.02       | 4        | 0.96      |
| 11DS0754 | Soil                             | 2.65        | 20.75       | 5.03        | 22.7       | 230      | 7.6        | 2.9        | 76       | 1.43      | 2.9        | 1.5        | 1.9        | 0.6        | 23.3       | 0.11        | 0.17        | 0.06        | 17       | 0.30      |
| 11DS0755 | Soil                             | 2.54        | 15.84       | 6.78        | 38.8       | 137      | 10.1       | 4.4        | 126      | 2.12      | 3.8        | 1.2        | 0.6        | 1.3        | 25.5       | 0.09        | 0.15        | 0.09        | 28       | 0.34      |
| 11DS0756 | Soil                             | 1.97        | 13.99       | 4.43        | 24.2       | 349      | 5.7        | 3.5        | 104      | 1.58      | 3.3        | 1.6        | 0.6        | 0.5        | 32.6       | 0.16        | 0.14        | 0.04        | 13       | 0.40      |
| 11DS0757 | Soil                             | 1.08        | 31.93       | 6.91        | 26.3       | 306      | 10.3       | 11.7       | 380      | 1.59      | 4.1        | 2.3        | 1.1        | 0.4        | 36.4       | 0.32        | 0.20        | 0.04        | 13       | 0.40      |
| 11DS0758 | Soil                             | 1.16        | 12.55       | 4.21        | 25.8       | 197      | 5.8        | 4.0        | 153      | 1.01      | 2.4        | 1.6        | 2.1        | 0.5        | 47.2       | 0.24        | 0.26        | 0.07        | 7        | 0.50      |
| 11DS0759 | Soil                             | 0.75        | 11.22       | 4.55        | 24.6       | 208      | 7.7        | 8.9        | 538      | 1.41      | 2.9        | 2.1        | 3.6        | 0.7        | 56.1       | 0.26        | 0.39        | 0.06        | 8        | 0.49      |
| 11DS0760 | Soil                             | 1.07        | 27.49       | 5.73        | 22.8       | 321      | 8.9        | 3.0        | 88       | 1.09      | 3.1        | 3.4        | 1.4        | 0.5        | 41.6       | 0.23        | 0.22        | 0.08        | 12       | 0.33      |
| 11DS0761 | Soil                             | 1.17        | 21.01       | 5.13        | 23.2       | 272      | 8.6        | 2.9        | 106      | 1.09      | 3.1        | 2.6        | 6.7        | 0.4        | 40.4       | 0.15        | 0.26        | 0.08        | 13       | 0.34      |
| 11DS0762 | Soil                             | 1.01        | 18.11       | 6.97        | 32.6       | 232      | 10.9       | 4.0        | 83       | 1.75      | 4.1        | 1.5        | 1.9        | 0.4        | 26.9       | 0.19        | 0.26        | 0.14        | 26       | 0.18      |
| 11DS0763 | Soil                             | 1.22        | 29.82       | 7.13        | 45.4       | 449      | 15.3       | 13.0       | 1402     | 2.36      | 5.1        | 2.6        | 2.3        | 1.1        | 71.9       | 0.32        | 0.29        | 0.14        | 33       | 0.63      |



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Project: Mariposa  
Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1F    | 1F   | 1F   | 1F    | 1F     | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F    | 1F   | 1F  | 1F  | 1F    |
|----------|----------------------------------|-------|------|------|-------|--------|-----|------|-------|------|------|-----|-------|------|-----|-----|-------|
|          |                                  | La    | Cr   | Mg   | Ba    | Ti     | B   | Al   | Na    | K    | W    | Sc  | Ti    | S    | Hg  | Se  | Te    |
|          |                                  | ppm   | ppm  | %    | ppm   | %      | ppm | %    | %     | %    | ppm  | ppm | ppm   | %    | ppb | ppm | ppm   |
|          |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02  | 0.02 | 5   | 0.1 | 0.02  |
| 11DS0734 | Soil                             | 6.2   | 10.4 | 0.05 | 283.5 | 0.001  | <20 | 0.61 | 0.016 | 0.04 | <0.1 | 0.3 | 0.02  | 0.06 | 84  | 0.3 | <0.02 |
| 11DS0735 | Soil                             | 11.6  | 12.2 | 0.11 | 300.4 | 0.003  | <20 | 0.81 | 0.012 | 0.05 | <0.1 | 0.3 | 0.03  | 0.06 | 113 | 0.3 | 0.02  |
| 11DS0736 | Soil                             | 22.2  | 10.7 | 0.13 | 241.3 | 0.013  | <20 | 0.86 | 0.011 | 0.04 | <0.1 | 1.5 | 0.02  | 0.09 | 132 | 0.2 | 0.03  |
| 11DS0737 | Soil                             | 3.4   | 8.6  | 0.11 | 432.2 | 0.014  | <20 | 0.36 | 0.014 | 0.07 | <0.1 | 0.6 | 0.06  | 0.05 | 105 | 0.2 | <0.02 |
| 11DS0738 | Soil                             | 8.0   | 8.0  | 0.10 | 328.8 | 0.002  | <20 | 0.60 | 0.014 | 0.06 | <0.1 | 0.3 | 0.03  | 0.10 | 187 | 0.3 | <0.02 |
| 11DS0739 | Soil                             | 14.5  | 8.7  | 0.11 | 373.3 | <0.001 | <20 | 0.62 | 0.014 | 0.08 | <0.1 | 0.2 | 0.03  | 0.08 | 161 | 0.4 | <0.02 |
| 11DS0740 | Soil                             | 22.9  | 13.3 | 0.10 | 413.5 | 0.002  | <20 | 0.77 | 0.017 | 0.06 | <0.1 | 0.2 | 0.04  | 0.05 | 95  | 0.2 | <0.02 |
| 11DS0741 | Soil                             | 6.5   | 10.4 | 0.08 | 366.8 | 0.001  | <20 | 0.72 | 0.015 | 0.06 | <0.1 | 0.2 | 0.02  | 0.07 | 107 | 0.4 | <0.02 |
| 11DS0742 | Soil                             | 3.9   | 10.5 | 0.08 | 210.7 | 0.001  | <20 | 0.74 | 0.014 | 0.05 | <0.1 | 0.1 | 0.03  | 0.06 | 106 | 0.2 | <0.02 |
| 11DS0743 | Soil                             | 23.6  | 12.9 | 0.12 | 439.1 | 0.007  | <20 | 0.86 | 0.013 | 0.07 | <0.1 | 0.7 | 0.05  | 0.08 | 128 | 0.4 | <0.02 |
| 11DS0744 | Soil                             | 5.0   | 12.1 | 0.39 | 306.7 | 0.013  | <20 | 0.74 | 0.012 | 0.04 | <0.1 | 1.1 | 0.05  | 0.14 | 101 | 0.3 | <0.02 |
| 11DS0745 | Soil                             | 33.6  | 21.4 | 0.46 | 463.1 | 0.016  | <20 | 1.74 | 0.013 | 0.06 | <0.1 | 2.4 | 0.09  | 0.11 | 85  | 0.3 | 0.04  |
| 11DS0746 | Soil                             | 126.8 | 15.1 | 0.30 | 547.7 | 0.012  | <20 | 0.98 | 0.016 | 0.05 | <0.1 | 0.9 | 0.05  | 0.07 | 98  | 0.2 | <0.02 |
| 11DS0747 | Soil                             | 26.0  | 16.1 | 0.22 | 284.2 | 0.025  | <20 | 0.88 | 0.021 | 0.04 | <0.1 | 2.7 | 0.09  | 0.13 | 112 | 0.4 | <0.02 |
| 11DS0748 | Soil                             | 17.0  | 11.6 | 0.19 | 242.6 | 0.021  | <20 | 0.67 | 0.014 | 0.04 | <0.1 | 1.7 | 0.06  | 0.11 | 117 | 0.3 | 0.03  |
| 11DS0749 | Soil                             | 13.1  | 16.7 | 0.27 | 194.8 | 0.025  | <20 | 0.98 | 0.013 | 0.04 | <0.1 | 1.6 | 0.07  | 0.10 | 77  | 0.3 | 0.02  |
| 11DS0750 | Soil                             | 13.6  | 20.8 | 0.40 | 204.7 | 0.035  | <20 | 1.45 | 0.012 | 0.05 | <0.1 | 2.6 | 0.09  | 0.06 | 72  | 0.3 | <0.02 |
| 11DS0751 | Soil                             | 11.5  | 17.7 | 0.22 | 175.0 | 0.017  | <20 | 0.83 | 0.009 | 0.04 | <0.1 | 1.2 | 0.07  | 0.10 | 97  | 0.3 | 0.04  |
| 11DS0752 | Soil                             | 8.2   | 16.4 | 0.24 | 155.4 | 0.023  | <20 | 0.92 | 0.010 | 0.04 | <0.1 | 1.7 | 0.06  | 0.10 | 93  | 0.4 | <0.02 |
| 11DS0753 | Soil                             | 27.6  | 3.7  | 0.11 | 231.4 | 0.008  | <20 | 0.27 | 0.012 | 0.03 | <0.1 | 1.1 | <0.02 | 0.15 | 127 | 0.2 | <0.02 |
| 11DS0754 | Soil                             | 16.8  | 17.0 | 0.18 | 154.3 | 0.021  | <20 | 0.76 | 0.010 | 0.05 | <0.1 | 1.2 | 0.06  | 0.10 | 85  | 0.3 | 0.05  |
| 11DS0755 | Soil                             | 18.7  | 20.4 | 0.29 | 165.9 | 0.045  | <20 | 1.06 | 0.008 | 0.06 | 0.2  | 1.9 | 0.09  | 0.07 | 73  | 0.3 | 0.03  |
| 11DS0756 | Soil                             | 24.5  | 7.8  | 0.09 | 204.3 | 0.015  | <20 | 0.56 | 0.011 | 0.04 | <0.1 | 1.1 | 0.03  | 0.12 | 120 | 0.2 | 0.02  |
| 11DS0757 | Soil                             | 33.6  | 10.4 | 0.11 | 299.6 | 0.014  | <20 | 0.69 | 0.012 | 0.03 | <0.1 | 1.1 | 0.03  | 0.13 | 134 | 0.2 | <0.02 |
| 11DS0758 | Soil                             | 44.9  | 6.7  | 0.09 | 285.4 | 0.010  | <20 | 0.49 | 0.012 | 0.04 | <0.1 | 0.8 | 0.04  | 0.12 | 107 | 0.4 | <0.02 |
| 11DS0759 | Soil                             | 48.7  | 8.1  | 0.12 | 387.8 | 0.016  | <20 | 0.61 | 0.011 | 0.04 | <0.1 | 1.6 | 0.04  | 0.11 | 141 | 0.6 | <0.02 |
| 11DS0760 | Soil                             | 46.5  | 14.2 | 0.11 | 270.4 | 0.012  | <20 | 0.64 | 0.009 | 0.04 | <0.1 | 1.3 | 0.05  | 0.11 | 99  | 0.4 | <0.02 |
| 11DS0761 | Soil                             | 41.6  | 14.6 | 0.13 | 264.9 | 0.014  | <20 | 0.70 | 0.010 | 0.04 | <0.1 | 1.4 | 0.06  | 0.10 | 102 | 0.4 | <0.02 |
| 11DS0762 | Soil                             | 22.9  | 19.8 | 0.28 | 224.5 | 0.028  | <20 | 1.21 | 0.009 | 0.04 | 0.2  | 2.1 | 0.07  | 0.07 | 95  | 0.4 | <0.02 |
| 11DS0763 | Soil                             | 49.1  | 21.2 | 0.31 | 470.1 | 0.025  | <20 | 1.47 | 0.012 | 0.05 | 0.1  | 3.8 | 0.08  | 0.08 | 109 | 0.7 | <0.02 |



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Project: Mariposa  
Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|          |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|          |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11DS0764 | Soil                             | 1.41        | 12.34       | 4.97        | 27.6       | 244      | 7.4        | 4.4        | 224      | 1.27      | 2.7        | 2.2        | 2.7        | 0.7        | 60.1       | 0.19        | 0.29        | 0.06        | 10       | 0.54      |
| 11DS0765 | Soil                             | 0.52        | 13.36       | 5.51        | 25.1       | 185      | 9.7        | 5.0        | 146      | 0.75      | 2.0        | 0.3        | 0.6        | <0.1       | 37.0       | 1.14        | 0.20        | 0.10        | 18       | 0.23      |
| 11DS0766 | Soil                             | 0.55        | 18.68       | 6.50        | 15.7       | 240      | 6.2        | 1.7        | 29       | 0.68      | 1.9        | 0.4        | 0.4        | <0.1       | 26.6       | 0.61        | 0.13        | 0.10        | 12       | 0.11      |
| 11DS0767 | Soil                             | 0.96        | 13.23       | 5.83        | 20.2       | 349      | 8.4        | 2.9        | 61       | 0.67      | 2.6        | 0.3        | 0.6        | <0.1       | 35.7       | 0.79        | 0.19        | 0.09        | 12       | 0.23      |
| 11DS0768 | Soil                             | 0.72        | 18.66       | 6.76        | 17.4       | 243      | 6.8        | 2.5        | 41       | 0.72      | 2.0        | 0.4        | 0.6        | <0.1       | 27.0       | 0.57        | 0.18        | 0.07        | 15       | 0.15      |
| 11DS0769 | Soil                             | 0.91        | 15.91       | 4.94        | 45.7       | 192      | 8.7        | 8.2        | 1829     | 1.29      | 4.2        | 0.5        | 2.0        | 0.2        | 97.9       | 0.59        | 0.37        | 0.08        | 27       | 1.97      |
| 11DS0770 | Soil                             | 0.53        | 15.56       | 4.26        | 49.6       | 185      | 9.0        | 8.0        | 1192     | 1.90      | 4.4        | 0.7        | 2.3        | 0.3        | 93.3       | 0.20        | 0.32        | 0.07        | 40       | 2.41      |
| 11DS0771 | Soil                             | 0.59        | 15.78       | 2.86        | 34.9       | 210      | 6.7        | 4.6        | 330      | 1.06      | 3.0        | 1.3        | 2.8        | 0.2        | 126.0      | 0.61        | 0.53        | 0.06        | 18       | 2.27      |
| 11DS0772 | Soil                             | 0.68        | 10.50       | 6.29        | 66.4       | 189      | 9.9        | 11.5       | 2111     | 2.24      | 3.3        | 0.2        | 0.4        | 0.2        | 86.3       | 0.50        | 0.21        | 0.13        | 52       | 0.96      |
| 11DS0773 | Soil                             | 0.97        | 15.71       | 7.24        | 89.3       | 473      | 11.5       | 12.7       | 5029     | 1.88      | 3.4        | 0.2        | <0.2       | <0.1       | 68.5       | 1.22        | 0.24        | 0.16        | 41       | 1.05      |
| 11DS0774 | Soil                             | 0.78        | 12.38       | 7.68        | 147.8      | 249      | 9.0        | 12.0       | 1973     | 1.86      | 4.1        | 0.2        | 0.6        | <0.1       | 144.1      | 1.15        | 0.25        | 0.12        | 43       | 1.44      |
| 11DS0775 | Soil                             | 0.67        | 11.98       | 7.07        | 81.5       | 138      | 10.3       | 11.3       | 2265     | 1.67      | 3.7        | 0.2        | 0.5        | 0.2        | 167.6      | 0.83        | 0.23        | 0.13        | 37       | 1.36      |
| 11DS0776 | Soil                             | 0.65        | 12.09       | 6.01        | 92.8       | 256      | 8.2        | 9.9        | 2295     | 1.09      | 2.4        | 0.1        | 0.4        | <0.1       | 213.2      | 0.87        | 0.23        | 0.09        | 20       | 1.81      |
| 11DS0777 | Soil                             | 0.45        | 14.65       | 4.59        | 138.3      | 273      | 6.2        | 8.4        | 2525     | 0.67      | 2.2        | <0.1       | 0.4        | <0.1       | 283.5      | 1.17        | 0.19        | 0.07        | 13       | 2.11      |
| 11DS0778 | Soil                             | 0.73        | 13.88       | 6.42        | 256.4      | 199      | 8.8        | 12.0       | 4985     | 0.87      | 2.2        | 0.1        | 0.3        | <0.1       | 177.3      | 1.59        | 0.24        | 0.11        | 19       | 1.41      |
| 11DS0779 | Soil                             | 0.93        | 14.89       | 4.92        | 20.2       | 670      | 9.2        | 2.9        | 46       | 0.64      | 2.0        | 0.2        | <0.2       | <0.1       | 34.9       | 0.54        | 0.19        | 0.09        | 13       | 0.13      |
| 11DS0780 | Soil                             | 0.89        | 11.64       | 6.00        | 16.8       | 156      | 6.7        | 2.1        | 43       | 0.75      | 1.9        | 0.3        | 0.7        | <0.1       | 25.3       | 0.26        | 0.18        | 0.12        | 20       | 0.10      |
| 11DS0781 | Soil                             | 0.97        | 12.36       | 6.66        | 15.8       | 252      | 7.1        | 2.3        | 46       | 0.77      | 2.5        | 0.3        | <0.2       | <0.1       | 28.6       | 0.30        | 0.21        | 0.09        | 19       | 0.11      |
| 11DS0782 | Soil                             | 0.94        | 15.36       | 6.03        | 16.6       | 450      | 6.9        | 2.0        | 49       | 0.93      | 2.4        | 0.6        | 0.5        | <0.1       | 31.8       | 0.22        | 0.18        | 0.10        | 17       | 0.16      |
| 11DS0783 | Soil                             | 0.66        | 14.25       | 6.57        | 18.6       | 446      | 8.4        | 2.6        | 52       | 0.94      | 2.1        | 0.6        | <0.2       | <0.1       | 61.1       | 0.32        | 0.16        | 0.07        | 11       | 0.34      |
| 11DS0784 | Soil                             | 0.62        | 12.44       | 6.36        | 14.3       | 133      | 4.7        | 1.6        | 38       | 0.58      | 1.1        | 0.5        | <0.2       | <0.1       | 38.2       | 0.50        | 0.11        | 0.08        | 12       | 0.17      |
| 11DS0785 | Soil                             | 0.90        | 13.86       | 8.22        | 27.5       | 536      | 9.8        | 4.3        | 102      | 1.55      | 3.5        | 0.8        | 0.4        | <0.1       | 67.3       | 0.28        | 0.20        | 0.09        | 27       | 0.46      |
| 11DS0786 | Soil                             | 0.64        | 9.76        | 4.30        | 15.4       | 443      | 5.1        | 1.9        | 37       | 0.63      | 1.4        | 0.4        | <0.2       | <0.1       | 41.3       | 0.51        | 0.11        | 0.08        | 12       | 0.17      |
| 11DS0787 | Soil                             | 0.79        | 19.54       | 7.94        | 17.7       | 430      | 8.4        | 1.7        | 32       | 0.71      | 1.4        | 0.4        | 1.5        | <0.1       | 25.4       | 0.49        | 0.16        | 0.10        | 15       | 0.07      |
| 11DS0788 | Soil                             | 0.86        | 16.45       | 10.00       | 35.4       | 226      | 11.2       | 8.5        | 941      | 1.49      | 2.5        | 0.3        | 1.2        | <0.1       | 29.0       | 0.58        | 0.22        | 0.17        | 37       | 0.15      |
| 11DS0789 | Soil                             | 0.90        | 14.39       | 6.33        | 15.0       | 445      | 9.3        | 2.9        | 46       | 0.72      | 1.6        | 0.3        | <0.2       | <0.1       | 32.5       | 0.31        | 0.18        | 0.09        | 16       | 0.09      |
| 11DS0790 | Soil                             | 0.83        | 13.27       | 13.92       | 43.9       | 266      | 9.1        | 4.6        | 474      | 1.07      | 1.8        | 0.2        | <0.2       | <0.1       | 28.7       | 0.35        | 0.25        | 0.14        | 30       | 0.15      |
| 11DS0791 | Soil                             | 0.86        | 18.22       | 6.74        | 24.3       | 101      | 10.6       | 6.1        | 57       | 0.78      | 1.4        | 0.2        | 0.4        | <0.1       | 43.3       | 0.91        | 0.20        | 0.13        | 20       | 0.09      |
| 11DS0792 | Soil                             | 0.77        | 18.41       | 7.88        | 16.5       | 271      | 9.0        | 2.5        | 35       | 0.57      | 1.5        | 0.2        | 1.6        | <0.1       | 27.8       | 0.88        | 0.15        | 0.36        | 15       | 0.06      |
| 11DS0793 | Soil                             | 0.54        | 12.83       | 6.15        | 62.4       | 187      | 7.6        | 6.8        | 663      | 0.79      | 2.2        | 0.1        | 1.8        | <0.1       | 71.4       | 0.75        | 0.20        | 0.30        | 19       | 0.53      |



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Project: Mariposa  
Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F   | 1F   | 1F    | 1F     | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F    | 1F   | 1F  | 1F   | 1F    |
|----------|----------------------------------|------|------|------|-------|--------|-----|------|-------|------|------|-----|-------|------|-----|------|-------|
|          |                                  | La   | Cr   | Mg   | Ba    | Ti     | B   | Al   | Na    | K    | W    | Sc  | Ti    | S    | Hg  | Se   | Te    |
|          |                                  | ppm  | ppm  | %    | ppm   | %      | ppm | %    | %     | %    | ppm  | ppm | ppm   | %    | ppb | ppm  | ppm   |
|          |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02  | 0.02 | 5   | 0.1  | 0.02  |
| 11DS0764 | Soil                             | 42.0 | 9.7  | 0.13 | 439.0 | 0.011  | <20 | 0.50 | 0.013 | 0.04 | <0.1 | 1.9 | 0.04  | 0.13 | 137 | 0.7  | <0.02 |
| 11DS0765 | Soil                             | 5.0  | 8.7  | 0.09 | 606.1 | 0.008  | <20 | 0.52 | 0.012 | 0.04 | 0.2  | 0.2 | 0.03  | 0.04 | 60  | 0.3  | <0.02 |
| 11DS0766 | Soil                             | 5.0  | 8.9  | 0.04 | 227.2 | 0.006  | <20 | 0.50 | 0.014 | 0.03 | <0.1 | 0.4 | <0.02 | 0.06 | 113 | 0.4  | 0.04  |
| 11DS0767 | Soil                             | 3.8  | 8.9  | 0.07 | 203.7 | 0.004  | <20 | 0.49 | 0.015 | 0.04 | <0.1 | 0.2 | <0.02 | 0.08 | 131 | 0.3  | <0.02 |
| 11DS0768 | Soil                             | 5.2  | 8.1  | 0.07 | 176.2 | 0.007  | <20 | 0.49 | 0.014 | 0.04 | <0.1 | 0.4 | 0.02  | 0.05 | 79  | 0.2  | <0.02 |
| 11DS0769 | Soil                             | 7.1  | 12.2 | 0.32 | 405.1 | 0.019  | <20 | 0.79 | 0.013 | 0.02 | 0.1  | 1.2 | 0.05  | 0.12 | 91  | 0.4  | <0.02 |
| 11DS0770 | Soil                             | 6.0  | 14.2 | 0.47 | 225.8 | 0.039  | <20 | 1.41 | 0.019 | 0.03 | <0.1 | 2.4 | 0.04  | 0.10 | 89  | 0.7  | <0.02 |
| 11DS0771 | Soil                             | 9.0  | 11.4 | 0.33 | 137.0 | 0.020  | <20 | 0.67 | 0.014 | 0.03 | <0.1 | 2.0 | 0.03  | 0.14 | 128 | 0.7  | <0.02 |
| 11DS0772 | Soil                             | 4.1  | 15.4 | 0.49 | 415.0 | 0.095  | <20 | 1.16 | 0.016 | 0.17 | <0.1 | 1.2 | 0.06  | 0.04 | 81  | 0.2  | <0.02 |
| 11DS0773 | Soil                             | 4.4  | 16.0 | 0.38 | 612.5 | 0.035  | <20 | 0.96 | 0.012 | 0.11 | <0.1 | 0.9 | 0.05  | 0.05 | 80  | 0.2  | <0.02 |
| 11DS0774 | Soil                             | 5.3  | 14.0 | 0.39 | 418.1 | 0.040  | <20 | 1.12 | 0.011 | 0.10 | <0.1 | 1.0 | 0.07  | 0.07 | 98  | <0.1 | <0.02 |
| 11DS0775 | Soil                             | 4.4  | 15.4 | 0.40 | 581.7 | 0.043  | <20 | 0.95 | 0.012 | 0.13 | <0.1 | 1.1 | 0.07  | 0.07 | 62  | 0.2  | 0.02  |
| 11DS0776 | Soil                             | 2.6  | 11.0 | 0.33 | 595.9 | 0.021  | <20 | 0.59 | 0.010 | 0.14 | <0.1 | 0.6 | 0.06  | 0.11 | 120 | 0.3  | 0.02  |
| 11DS0777 | Soil                             | 1.6  | 6.8  | 0.27 | 619.1 | 0.015  | <20 | 0.33 | 0.008 | 0.09 | <0.1 | 0.3 | 0.06  | 0.14 | 107 | 0.2  | <0.02 |
| 11DS0778 | Soil                             | 3.3  | 9.3  | 0.24 | 743.0 | 0.020  | <20 | 0.43 | 0.011 | 0.10 | <0.1 | 0.4 | 0.08  | 0.09 | 107 | 0.2  | <0.02 |
| 11DS0779 | Soil                             | 3.3  | 7.9  | 0.07 | 320.5 | 0.003  | <20 | 0.50 | 0.014 | 0.05 | <0.1 | 0.2 | 0.03  | 0.07 | 116 | 0.4  | <0.02 |
| 11DS0780 | Soil                             | 4.4  | 11.7 | 0.07 | 128.7 | 0.008  | <20 | 0.62 | 0.012 | 0.04 | <0.1 | 0.2 | 0.03  | 0.06 | 81  | 0.3  | <0.02 |
| 11DS0781 | Soil                             | 3.9  | 11.7 | 0.08 | 131.0 | 0.009  | <20 | 0.58 | 0.011 | 0.04 | <0.1 | 0.2 | 0.03  | 0.06 | 92  | 0.3  | <0.02 |
| 11DS0782 | Soil                             | 5.4  | 13.1 | 0.09 | 126.7 | 0.007  | <20 | 0.68 | 0.011 | 0.04 | <0.1 | 0.3 | 0.03  | 0.08 | 110 | 0.3  | <0.02 |
| 11DS0783 | Soil                             | 8.5  | 10.7 | 0.08 | 167.1 | 0.006  | <20 | 0.75 | 0.013 | 0.03 | <0.1 | 0.3 | 0.03  | 0.09 | 126 | 0.5  | <0.02 |
| 11DS0784 | Soil                             | 6.4  | 10.4 | 0.06 | 117.7 | 0.004  | <20 | 0.49 | 0.013 | 0.04 | <0.1 | 0.3 | 0.03  | 0.05 | 81  | 0.2  | <0.02 |
| 11DS0785 | Soil                             | 17.2 | 15.3 | 0.25 | 174.7 | 0.013  | <20 | 1.17 | 0.011 | 0.06 | <0.1 | 0.6 | 0.05  | 0.09 | 103 | 0.5  | <0.02 |
| 11DS0786 | Soil                             | 7.7  | 9.2  | 0.07 | 136.0 | 0.012  | <20 | 0.50 | 0.011 | 0.05 | <0.1 | 0.4 | 0.03  | 0.07 | 78  | 0.3  | <0.02 |
| 11DS0787 | Soil                             | 4.6  | 15.0 | 0.05 | 178.2 | 0.003  | <20 | 0.60 | 0.015 | 0.04 | <0.1 | 0.2 | 0.03  | 0.05 | 89  | 0.3  | <0.02 |
| 11DS0788 | Soil                             | 6.2  | 15.1 | 0.16 | 256.3 | 0.028  | <20 | 0.78 | 0.012 | 0.05 | <0.1 | 0.8 | 0.05  | 0.03 | 51  | 0.1  | <0.02 |
| 11DS0789 | Soil                             | 3.6  | 11.6 | 0.07 | 204.0 | 0.002  | <20 | 0.63 | 0.015 | 0.04 | <0.1 | 0.2 | 0.03  | 0.06 | 111 | 0.4  | <0.02 |
| 11DS0790 | Soil                             | 4.9  | 15.9 | 0.10 | 299.8 | 0.016  | <20 | 0.59 | 0.014 | 0.05 | <0.1 | 0.4 | 0.07  | 0.04 | 68  | 0.2  | <0.02 |
| 11DS0791 | Soil                             | 4.9  | 15.3 | 0.07 | 287.6 | 0.006  | <20 | 0.55 | 0.016 | 0.04 | <0.1 | 0.2 | 0.03  | 0.04 | 65  | 0.2  | 0.02  |
| 11DS0792 | Soil                             | 3.3  | 11.1 | 0.05 | 208.1 | <0.001 | <20 | 0.71 | 0.013 | 0.03 | <0.1 | 0.1 | 0.04  | 0.04 | 78  | 0.2  | <0.02 |
| 11DS0793 | Soil                             | 3.5  | 11.7 | 0.11 | 572.6 | 0.024  | <20 | 0.38 | 0.012 | 0.08 | <0.1 | 0.8 | 0.07  | 0.07 | 138 | 0.3  | <0.02 |



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**Project:** Mariposa  
**Report Date:** September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1F          | 1F          | 1F          | 1F         | 1F       | 1F         | 1F         | 1F       | 1F        | 1F         | 1F         | 1F         | 1F         | 1F         | 1F          | 1F          | 1F          | 1F       | 1F        |
|----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|          |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|          |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11DS0794 | Soil                             | 0.86        | 11.56       | 8.96        | 45.2       | 186      | 11.2       | 8.1        | 558      | 1.24      | 2.4        | 0.2        | 0.9        | <0.1       | 76.5       | 0.67        | 0.29        | 0.21        | 30       | 0.45      |
| 11DS0795 | Soil                             | 0.92        | 11.03       | 16.76       | 126.1      | 169      | 9.4        | 7.1        | 3928     | 1.14      | 1.8        | 0.2        | 1.7        | 0.1        | 128.0      | 0.78        | 0.27        | 0.16        | 24       | 1.07      |
| 11DS0796 | Soil                             | 0.60        | 12.62       | 14.87       | 96.1       | 276      | 9.0        | 9.8        | 3737     | 0.96      | 1.1        | 0.1        | 1.0        | 0.1        | 200.1      | 1.34        | 0.22        | 0.06        | 18       | 1.76      |
| 11DS0797 | Soil                             | 0.71        | 13.60       | 9.68        | 88.0       | 179      | 14.1       | 11.5       | 2129     | 1.88      | 3.4        | 0.3        | 1.1        | 0.5        | 126.7      | 0.62        | 0.30        | 0.11        | 39       | 1.24      |
| 11DS0798 | Soil                             | 0.84        | 13.05       | 6.55        | 183.3      | 170      | 10.0       | 10.2       | 3356     | 1.17      | 1.4        | 0.2        | 1.1        | 0.2        | 195.8      | 1.43        | 0.23        | 0.08        | 22       | 1.92      |
| 11DS0799 | Soil                             | 0.85        | 12.98       | 7.40        | 89.3       | 361      | 13.6       | 12.2       | 2306     | 1.84      | 3.9        | 0.2        | 1.5        | 0.3        | 104.5      | 1.01        | 0.27        | 0.23        | 39       | 1.01      |
| 11DS0800 | Soil                             | 0.82        | 16.07       | 7.01        | 100.4      | 415      | 15.0       | 11.6       | 3855     | 1.29      | 2.2        | 0.3        | 1.9        | 0.2        | 135.9      | 2.33        | 0.23        | 0.14        | 26       | 1.52      |
| 11DS0801 | Soil                             | 0.85        | 15.28       | 7.36        | 86.6       | 498      | 17.3       | 12.1       | 3873     | 1.41      | 1.8        | 0.3        | 2.7        | 0.3        | 122.9      | 1.71        | 0.23        | 0.12        | 29       | 1.35      |
| 11DS0802 | Soil                             | 1.00        | 17.88       | 7.14        | 23.0       | 237      | 10.9       | 2.5        | 81       | 0.87      | 1.9        | 0.3        | 1.5        | <0.1       | 16.7       | 0.58        | 0.23        | 0.16        | 24       | 0.10      |
| 11DS0803 | Soil                             | 1.74        | 18.39       | 10.06       | 32.9       | 688      | 16.3       | 4.2        | 131      | 1.73      | 3.5        | 0.8        | 3.1        | 0.1        | 18.3       | 0.33        | 0.30        | 0.18        | 32       | 0.15      |
| 11DS0804 | Soil                             | 1.75        | 21.85       | 8.74        | 25.3       | 174      | 12.5       | 2.4        | 58       | 1.03      | 1.6        | 0.4        | 0.5        | <0.1       | 14.8       | 0.35        | 0.29        | 0.20        | 30       | 0.08      |
| 11DS0805 | Soil                             | 6.03        | 19.06       | 7.76        | 41.1       | 405      | 18.6       | 6.5        | 543      | 2.03      | 4.7        | 6.8        | 11.5       | 0.8        | 85.4       | 0.18        | 0.34        | 0.20        | 29       | 1.93      |
| 11DS0806 | Soil                             | 11.54       | 12.97       | 5.79        | 27.1       | 253      | 14.0       | 17.2       | 2991     | 2.07      | 3.3        | 3.2        | 9.6        | 1.0        | 85.9       | 0.36        | 0.37        | 0.07        | 20       | 1.60      |
| 11DS0807 | Soil                             | 2.17        | 12.53       | 4.38        | 24.5       | 185      | 8.0        | 2.5        | 203      | 0.73      | 0.7        | 1.5        | 3.3        | 0.4        | 95.8       | 0.18        | 0.32        | 0.06        | 9        | 1.93      |
| 11DS0808 | Soil                             | 7.41        | 11.50       | 18.61       | 26.4       | 180      | 17.7       | 16.8       | 1161     | 1.35      | 1.1        | 2.2        | 4.0        | 0.5        | 62.4       | 0.21        | 0.54        | 0.06        | 10       | 0.91      |
| 11DS0809 | Soil                             | 5.64        | 7.39        | 6.22        | 27.0       | 131      | 7.6        | 4.3        | 144      | 1.46      | 2.9        | 1.1        | 2.1        | 0.7        | 37.6       | 0.15        | 0.30        | 0.08        | 21       | 0.48      |
| 11DS0810 | Soil                             | 5.05        | 9.54        | 5.74        | 23.9       | 100      | 7.9        | 15.1       | 838      | 1.73      | 2.3        | 1.9        | 2.9        | 0.8        | 52.6       | 0.16        | 0.39        | 0.03        | 15       | 0.77      |
| 11DS0811 | Soil                             | 3.18        | 11.64       | 8.07        | 28.5       | 199      | 7.3        | 4.6        | 169      | 1.52      | 2.6        | 1.5        | 70.3       | 0.7        | 27.6       | 0.12        | 0.26        | 0.06        | 19       | 0.33      |
| 11DS0812 | Soil                             | 2.84        | 11.64       | 7.67        | 31.2       | 109      | 8.6        | 6.8        | 237      | 1.51      | 2.6        | 1.6        | 1.9        | 0.9        | 34.6       | 0.17        | 0.30        | 0.04        | 16       | 0.38      |
| 11DS0813 | Soil                             | 1.77        | 11.59       | 7.23        | 31.2       | 193      | 8.7        | 4.3        | 90       | 1.35      | 2.8        | 1.0        | 1.3        | 0.2        | 35.4       | 0.16        | 0.28        | 0.06        | 19       | 0.35      |
| 11DS0814 | Soil                             | 1.32        | 14.84       | 5.48        | 25.0       | 325      | 6.6        | 3.2        | 66       | 1.01      | 2.7        | 1.0        | 1.0        | <0.1       | 32.3       | 0.49        | 0.25        | 0.05        | 13       | 0.28      |



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Project: Mariposa  
Report Date: September 24, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001134.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F   | 1F   | 1F    | 1F    | 1F  | 1F   | 1F    | 1F   | 1F   | 1F  | 1F   | 1F   | 1F  | 1F  | 1F    |
|----------|----------------------------------|------|------|------|-------|-------|-----|------|-------|------|------|-----|------|------|-----|-----|-------|
|          |                                  | La   | Cr   | Mg   | Ba    | Ti    | B   | Al   | Na    | K    | W    | Sc  | Ti   | S    | Hg  | Se  | Te    |
|          |                                  | ppm  | ppm  | %    | ppm   | %     | ppm | %    | %     | %    | ppm  | ppm | ppm  | %    | ppb | ppm | ppm   |
|          |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.1 | 0.02 | 0.02 | 5   | 0.1 | 0.02  |
| 11DS0794 | Soil                             | 5.1  | 14.5 | 0.15 | 548.7 | 0.024 | <20 | 0.61 | 0.012 | 0.06 | 0.1  | 0.7 | 0.07 | 0.05 | 136 | 0.2 | <0.02 |
| 11DS0795 | Soil                             | 4.0  | 13.6 | 0.26 | 766.6 | 0.031 | <20 | 0.56 | 0.011 | 0.12 | <0.1 | 0.9 | 0.10 | 0.07 | 120 | 0.2 | <0.02 |
| 11DS0796 | Soil                             | 2.6  | 10.5 | 0.30 | 660.6 | 0.024 | <20 | 0.53 | 0.010 | 0.12 | <0.1 | 0.7 | 0.07 | 0.12 | 152 | 0.3 | 0.02  |
| 11DS0797 | Soil                             | 5.8  | 21.5 | 0.40 | 511.9 | 0.044 | <20 | 1.21 | 0.010 | 0.17 | <0.1 | 1.6 | 0.09 | 0.06 | 90  | 0.2 | 0.02  |
| 11DS0798 | Soil                             | 3.3  | 13.0 | 0.30 | 801.5 | 0.025 | <20 | 0.73 | 0.011 | 0.12 | <0.1 | 0.9 | 0.10 | 0.10 | 143 | 0.2 | <0.02 |
| 11DS0799 | Soil                             | 5.8  | 22.9 | 0.36 | 470.6 | 0.040 | <20 | 1.16 | 0.009 | 0.11 | <0.1 | 1.5 | 0.08 | 0.05 | 92  | 0.2 | <0.02 |
| 11DS0800 | Soil                             | 7.2  | 17.3 | 0.32 | 542.7 | 0.032 | <20 | 0.82 | 0.014 | 0.11 | <0.1 | 1.4 | 0.09 | 0.08 | 137 | 0.3 | 0.03  |
| 11DS0801 | Soil                             | 7.8  | 20.1 | 0.32 | 528.4 | 0.032 | <20 | 0.88 | 0.014 | 0.11 | <0.1 | 1.6 | 0.09 | 0.07 | 141 | 0.2 | 0.04  |
| 11DS0802 | Soil                             | 4.0  | 17.9 | 0.05 | 151.5 | 0.003 | <20 | 0.54 | 0.012 | 0.05 | <0.1 | 0.1 | 0.04 | 0.05 | 83  | 0.2 | 0.03  |
| 11DS0803 | Soil                             | 17.6 | 24.7 | 0.21 | 391.5 | 0.022 | <20 | 1.23 | 0.010 | 0.06 | 0.1  | 1.3 | 0.08 | 0.08 | 98  | 0.2 | 0.03  |
| 11DS0804 | Soil                             | 6.6  | 22.7 | 0.06 | 94.7  | 0.009 | <20 | 0.57 | 0.011 | 0.05 | <0.1 | 0.3 | 0.06 | 0.05 | 58  | 0.1 | 0.02  |
| 11DS0805 | Soil                             | 35.6 | 28.3 | 0.34 | 1310  | 0.017 | <20 | 1.89 | 0.009 | 0.07 | 0.1  | 4.3 | 0.09 | 0.12 | 120 | 0.6 | 0.04  |
| 11DS0806 | Soil                             | 32.5 | 19.5 | 0.30 | 1160  | 0.020 | <20 | 1.03 | 0.010 | 0.04 | <0.1 | 3.0 | 0.09 | 0.15 | 88  | 0.4 | 0.03  |
| 11DS0807 | Soil                             | 11.8 | 10.3 | 0.27 | 572.5 | 0.011 | <20 | 0.40 | 0.012 | 0.03 | <0.1 | 1.3 | 0.05 | 0.16 | 105 | 0.3 | 0.03  |
| 11DS0808 | Soil                             | 15.3 | 27.7 | 0.16 | 562.1 | 0.015 | <20 | 0.44 | 0.011 | 0.03 | <0.1 | 2.1 | 0.05 | 0.15 | 176 | 0.3 | 0.03  |
| 11DS0809 | Soil                             | 11.0 | 14.8 | 0.18 | 296.7 | 0.021 | <20 | 0.67 | 0.008 | 0.05 | <0.1 | 1.9 | 0.06 | 0.10 | 108 | 0.2 | <0.02 |
| 11DS0810 | Soil                             | 15.3 | 11.2 | 0.17 | 474.6 | 0.016 | <20 | 0.57 | 0.011 | 0.03 | <0.1 | 2.0 | 0.06 | 0.13 | 110 | 0.2 | 0.03  |
| 11DS0811 | Soil                             | 11.8 | 13.0 | 0.15 | 252.7 | 0.018 | <20 | 0.67 | 0.009 | 0.05 | <0.1 | 1.8 | 0.07 | 0.12 | 109 | 0.3 | 0.03  |
| 11DS0812 | Soil                             | 18.1 | 12.1 | 0.15 | 336.9 | 0.019 | <20 | 0.76 | 0.009 | 0.04 | <0.1 | 2.0 | 0.06 | 0.10 | 96  | 0.2 | <0.02 |
| 11DS0813 | Soil                             | 14.6 | 14.8 | 0.19 | 178.9 | 0.017 | <20 | 0.76 | 0.011 | 0.05 | <0.1 | 1.2 | 0.08 | 0.11 | 111 | 0.4 | 0.02  |
| 11DS0814 | Soil                             | 27.2 | 10.5 | 0.11 | 204.0 | 0.009 | <20 | 0.56 | 0.011 | 0.09 | <0.1 | 0.6 | 0.05 | 0.10 | 146 | 0.3 | <0.02 |





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Project: Mariposa

Report Date: September 24, 2011

Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001134.1

|                        | Method<br>Analyte<br>Unit<br>MDL | 1F    | 1F    | 1F    | 1F    | 1F   | 1F    | 1F   | 1F   | 1F    | 1F   | 1F   | 1F    | 1F   | 1F    | 1F    | 1F    | 1F    | 1F   | 1F     | 1F     |   |
|------------------------|----------------------------------|-------|-------|-------|-------|------|-------|------|------|-------|------|------|-------|------|-------|-------|-------|-------|------|--------|--------|---|
|                        |                                  | Mo    | Cu    | Pb    | Zn    | Ag   | Ni    | Co   | Mn   | Fe    | As   | U    | Au    | Th   | Sr    | Cd    | Sb    | Bi    | V    | Ca     | P      |   |
|                        |                                  | ppm   | ppm   | ppm   | ppm   | ppb  | ppm   | ppm  | ppm  | ppm   | %    | ppm  | ppm   | ppb  | ppm   | ppm   | ppm   | ppm   | ppm  | ppm    | %      | % |
|                        |                                  | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1   | 0.1  | 1    | 0.01  | 0.1  | 0.1  | 0.2   | 0.1  | 0.5   | 0.01  | 0.02  | 0.02  | 2    | 0.01   | 0.001  |   |
| Pulp Duplicates        |                                  |       |       |       |       |      |       |      |      |       |      |      |       |      |       |       |       |       |      |        |        |   |
| 11TB0757A              | Soil                             | 1.50  | 13.73 | 5.69  | 26.4  | 902  | 9.5   | 3.1  | 89   | 0.56  | 1.9  | 0.2  | 0.9   | <0.1 | 36.5  | 0.59  | 0.16  | 0.06  | 9    | 0.35   | 0.151  |   |
| REP 11TB0757A          | QC                               | 1.48  | 13.88 | 5.26  | 26.0  | 898  | 9.0   | 3.0  | 89   | 0.55  | 2.1  | 0.2  | 0.7   | <0.1 | 37.3  | 0.56  | 0.17  | 0.06  | 9    | 0.37   | 0.154  |   |
| 11TB0794A              | Soil                             | 0.77  | 12.34 | 6.71  | 56.5  | 111  | 10.5  | 8.6  | 412  | 2.11  | 2.3  | 0.8  | 0.9   | 1.7  | 29.6  | 0.24  | 0.10  | 0.10  | 43   | 0.37   | 0.066  |   |
| REP 11TB0794A          | QC                               | 0.77  | 12.06 | 6.98  | 57.0  | 100  | 11.3  | 8.6  | 406  | 2.14  | 2.3  | 0.8  | 0.9   | 1.8  | 28.9  | 0.23  | 0.11  | 0.09  | 44   | 0.35   | 0.066  |   |
| 11TB0823A              | Soil                             | 2.10  | 9.92  | 2.51  | 30.5  | 160  | 5.2   | 4.2  | 141  | 0.68  | 1.5  | 0.3  | 0.6   | 0.1  | 53.1  | 0.29  | 0.24  | 0.05  | 9    | 0.71   | 0.116  |   |
| REP 11TB0823A          | QC                               | 2.04  | 9.63  | 2.34  | 29.1  | 158  | 4.7   | 3.9  | 141  | 0.66  | 1.2  | 0.3  | 0.4   | <0.1 | 52.8  | 0.28  | 0.24  | 0.03  | 9    | 0.71   | 0.117  |   |
| 11DS0723               | Soil                             | 1.19  | 10.74 | 4.80  | 20.5  | 232  | 7.1   | 3.6  | 112  | 1.80  | 2.9  | 2.2  | 1.5   | 0.8  | 138.1 | 0.20  | 0.19  | 0.09  | 12   | 1.98   | 0.134  |   |
| REP 11DS0723           | QC                               | 1.23  | 10.94 | 4.67  | 21.9  | 214  | 7.7   | 3.5  | 113  | 1.82  | 2.6  | 2.2  | 1.4   | 0.8  | 132.5 | 0.18  | 0.19  | 0.10  | 13   | 2.01   | 0.130  |   |
| 11DS0774               | Soil                             | 0.78  | 12.38 | 7.68  | 147.8 | 249  | 9.0   | 12.0 | 1973 | 1.86  | 4.1  | 0.2  | 0.6   | <0.1 | 144.1 | 1.15  | 0.25  | 0.12  | 43   | 1.44   | 0.109  |   |
| REP 11DS0774           | QC                               | 0.75  | 12.45 | 7.33  | 142.9 | 257  | 9.2   | 12.2 | 2034 | 1.90  | 4.1  | 0.2  | <0.2  | <0.1 | 142.6 | 1.15  | 0.25  | 0.13  | 44   | 1.47   | 0.113  |   |
| 11DS0812               | Soil                             | 2.84  | 11.64 | 7.67  | 31.2  | 109  | 8.6   | 6.8  | 237  | 1.51  | 2.6  | 1.6  | 1.9   | 0.9  | 34.6  | 0.17  | 0.30  | 0.04  | 16   | 0.38   | 0.084  |   |
| REP 11DS0812           | QC                               | 2.99  | 12.04 | 9.70  | 29.5  | 119  | 8.5   | 7.0  | 243  | 1.55  | 2.6  | 1.7  | 2.2   | 0.9  | 34.6  | 0.15  | 0.29  | 0.05  | 16   | 0.40   | 0.087  |   |
| Reference Materials    |                                  |       |       |       |       |      |       |      |      |       |      |      |       |      |       |       |       |       |      |        |        |   |
| STD DS8                | Standard                         | 12.89 | 110.9 | 128.0 | 324.5 | 1773 | 37.3  | 7.9  | 598  | 2.52  | 27.2 | 2.7  | 104.6 | 6.4  | 70.3  | 2.48  | 5.07  | 7.25  | 41   | 0.70   | 0.080  |   |
| STD DS8                | Standard                         | 13.96 | 106.7 | 121.7 | 323.3 | 1637 | 37.9  | 7.4  | 621  | 2.51  | 27.3 | 2.8  | 118.5 | 6.1  | 59.6  | 2.40  | 4.11  | 6.69  | 41   | 0.70   | 0.087  |   |
| STD DS8                | Standard                         | 14.37 | 109.3 | 121.2 | 309.5 | 1762 | 39.5  | 7.9  | 656  | 2.52  | 29.1 | 2.7  | 118.5 | 6.4  | 67.1  | 2.41  | 4.44  | 6.55  | 43   | 0.75   | 0.086  |   |
| STD DS8                | Standard                         | 14.71 | 112.6 | 120.3 | 296.9 | 1614 | 38.6  | 7.6  | 626  | 2.49  | 26.5 | 2.6  | 91.5  | 6.4  | 62.8  | 2.30  | 4.26  | 6.25  | 41   | 0.72   | 0.083  |   |
| STD DS8                | Standard                         | 13.70 | 107.5 | 132.2 | 332.1 | 1858 | 38.9  | 7.5  | 650  | 2.56  | 27.3 | 2.9  | 125.8 | 6.6  | 73.1  | 2.38  | 4.08  | 6.50  | 44   | 0.76   | 0.085  |   |
| STD DS8                | Standard                         | 13.85 | 111.3 | 134.1 | 322.7 | 1861 | 36.8  | 7.4  | 645  | 2.51  | 26.2 | 3.0  | 137.7 | 6.9  | 70.3  | 2.44  | 5.17  | 6.91  | 42   | 0.74   | 0.079  |   |
| STD OREAS45CA          | Standard                         | 0.85  | 486.3 | 20.74 | 67.0  | 280  | 227.0 | 87.4 | 909  | 14.90 | 4.2  | 1.2  | 36.0  | 7.3  | 16.0  | 0.11  | 0.10  | 0.18  | 187  | 0.42   | 0.036  |   |
| STD OREAS45CA          | Standard                         | 0.88  | 524.1 | 19.73 | 59.3  | 252  | 257.5 | 93.2 | 958  | 16.31 | 3.4  | 1.2  | 39.6  | 6.7  | 14.5  | 0.10  | 0.07  | 0.16  | 225  | 0.42   | 0.040  |   |
| STD OREAS45CA          | Standard                         | 0.91  | 538.5 | 20.48 | 61.6  | 268  | 272.4 | 95.4 | 989  | 16.72 | 4.7  | 1.2  | 41.0  | 6.9  | 15.2  | 0.09  | 0.07  | 0.17  | 230  | 0.43   | 0.042  |   |
| STD OREAS45CA          | Standard                         | 0.93  | 531.6 | 19.76 | 60.5  | 250  | 264.8 | 96.0 | 984  | 16.58 | 3.6  | 1.2  | 39.6  | 7.0  | 14.5  | 0.11  | 0.06  | 0.17  | 229  | 0.44   | 0.041  |   |
| STD OREAS45CA          | Standard                         | 0.57  | 528.1 | 20.80 | 61.8  | 275  | 263.9 | 89.2 | 932  | 15.75 | 1.7  | 1.2  | 46.1  | 7.1  | 14.9  | 0.09  | 0.02  | 0.17  | 222  | 0.42   | 0.040  |   |
| STD OREAS45CA          | Standard                         | 0.78  | 533.8 | 23.15 | 65.7  | 275  | 265.3 | 88.8 | 959  | 16.09 | 3.1  | 1.3  | 40.6  | 7.9  | 16.5  | 0.11  | 0.06  | 0.18  | 225  | 0.42   | 0.037  |   |
| STD DS8 Expected       |                                  | 13.44 | 110   | 123   | 312   | 1690 | 38.1  | 7.5  | 615  | 2.46  | 26   | 2.8  | 107   | 6.89 | 67.7  | 2.38  | 4.8   | 6.67  | 41.1 | 0.7    | 0.08   |   |
| STD OREAS45CA Expected |                                  | 1     | 494   | 20    | 60    | 275  | 240   | 92   | 943  | 15.69 | 3.8  | 1.2  | 43    | 7    | 15    | 0.1   | 0.13  | 0.19  | 215  | 0.4265 | 0.0385 |   |
| BLK                    | Blank                            | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1  | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5  | <0.01 | <0.02 | <0.02 | <2   | <0.01  | <0.001 |   |



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Project: Mariposa

Report Date: September 24, 2011

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## QUALITY CONTROL REPORT

WHI11001134.1

|                        | Method<br>Analyte<br>Unit<br>MDL | 1F   | 1F    | 1F     | 1F    | 1F     | 1F  | 1F    | 1F     | 1F     | 1F   | 1F   | 1F    | 1F     | 1F  | 1F   | 1F    | 1F   |
|------------------------|----------------------------------|------|-------|--------|-------|--------|-----|-------|--------|--------|------|------|-------|--------|-----|------|-------|------|
|                        |                                  | La   | Cr    | Mg     | Ba    | Ti     | B   | Al    | Na     | K      | W    | Sc   | Tl    | S      | Hg  | Se   | Te    | Ga   |
|                        |                                  | ppm  | ppm   | %      | ppm   | %      | ppm | %     | %      | %      | ppm  | ppm  | ppm   | %      | ppb | ppm  | ppm   | ppm  |
|                        |                                  | 0.5  | 0.5   | 0.01   | 0.5   | 0.001  | 20  | 0.01  | 0.001  | 0.01   | 0.1  | 0.1  | 0.02  | 0.02   | 5   | 0.1  | 0.02  | 0.1  |
| Pulp Duplicates        |                                  |      |       |        |       |        |     |       |        |        |      |      |       |        |     |      |       |      |
| 11TB0757A              | Soil                             | 4.3  | 9.5   | 0.08   | 334.0 | 0.002  | <20 | 0.48  | 0.017  | 0.09   | <0.1 | 0.2  | 0.03  | 0.09   | 143 | 0.2  | <0.02 | 1.0  |
| REP 11TB0757A          | QC                               | 4.3  | 9.3   | 0.08   | 342.0 | 0.002  | <20 | 0.48  | 0.016  | 0.09   | <0.1 | 0.2  | 0.03  | 0.09   | 139 | 0.3  | <0.02 | 1.0  |
| 11TB0794A              | Soil                             | 19.5 | 19.4  | 0.40   | 342.2 | 0.011  | <20 | 1.39  | 0.010  | 0.07   | <0.1 | 3.4  | 0.06  | 0.04   | 50  | 0.3  | <0.02 | 4.8  |
| REP 11TB0794A          | QC                               | 18.9 | 19.0  | 0.41   | 328.8 | 0.013  | <20 | 1.38  | 0.011  | 0.07   | <0.1 | 3.5  | 0.06  | 0.04   | 50  | 0.1  | <0.02 | 4.7  |
| 11TB0823A              | Soil                             | 4.7  | 5.4   | 0.12   | 183.1 | 0.011  | <20 | 0.34  | 0.013  | 0.08   | <0.1 | 0.7  | 0.04  | 0.11   | 152 | 0.3  | <0.02 | 0.9  |
| REP 11TB0823A          | QC                               | 4.5  | 5.4   | 0.12   | 181.0 | 0.011  | <20 | 0.33  | 0.014  | 0.08   | <0.1 | 0.6  | 0.04  | 0.11   | 156 | 0.3  | <0.02 | 0.8  |
| 11DS0723               | Soil                             | 27.6 | 10.7  | 0.29   | 361.7 | 0.028  | <20 | 0.61  | 0.013  | 0.02   | <0.1 | 1.9  | 0.06  | 0.15   | 89  | 0.4  | <0.02 | 1.2  |
| REP 11DS0723           | QC                               | 26.6 | 11.7  | 0.28   | 356.0 | 0.027  | <20 | 0.61  | 0.014  | 0.02   | <0.1 | 2.0  | 0.05  | 0.15   | 78  | 0.3  | <0.02 | 1.2  |
| 11DS0774               | Soil                             | 5.3  | 14.0  | 0.39   | 418.1 | 0.040  | <20 | 1.12  | 0.011  | 0.10   | <0.1 | 1.0  | 0.07  | 0.07   | 98  | <0.1 | <0.02 | 4.8  |
| REP 11DS0774           | QC                               | 5.3  | 13.9  | 0.39   | 411.0 | 0.039  | <20 | 1.13  | 0.011  | 0.11   | <0.1 | 1.0  | 0.07  | 0.07   | 84  | 0.2  | 0.02  | 4.8  |
| 11DS0812               | Soil                             | 18.1 | 12.1  | 0.15   | 336.9 | 0.019  | <20 | 0.76  | 0.009  | 0.04   | <0.1 | 2.0  | 0.06  | 0.10   | 96  | 0.2  | <0.02 | 2.0  |
| REP 11DS0812           | QC                               | 18.6 | 11.9  | 0.15   | 349.1 | 0.019  | <20 | 0.77  | 0.008  | 0.04   | <0.1 | 2.1  | 0.06  | 0.10   | 112 | 0.2  | <0.02 | 2.0  |
| Reference Materials    |                                  |      |       |        |       |        |     |       |        |        |      |      |       |        |     |      |       |      |
| STD DS8                | Standard                         | 15.4 | 123.4 | 0.61   | 289.1 | 0.119  | <20 | 0.93  | 0.091  | 0.41   | 2.5  | 2.2  | 5.52  | 0.17   | 248 | 5.2  | 4.77  | 4.5  |
| STD DS8                | Standard                         | 12.6 | 118.8 | 0.62   | 287.3 | 0.104  | <20 | 0.91  | 0.082  | 0.41   | 2.9  | 2.0  | 5.35  | 0.16   | 196 | 5.0  | 4.73  | 4.7  |
| STD DS8                | Standard                         | 15.4 | 125.2 | 0.63   | 303.5 | 0.117  | <20 | 0.97  | 0.092  | 0.42   | 2.6  | 2.2  | 5.57  | 0.16   | 190 | 5.0  | 4.70  | 4.8  |
| STD DS8                | Standard                         | 14.3 | 118.7 | 0.62   | 287.6 | 0.109  | <20 | 0.93  | 0.087  | 0.41   | 2.7  | 1.9  | 5.28  | 0.16   | 191 | 5.3  | 4.60  | 4.5  |
| STD DS8                | Standard                         | 16.6 | 128.4 | 0.65   | 311.9 | 0.113  | <20 | 0.98  | 0.096  | 0.42   | 2.8  | 2.4  | 5.92  | 0.16   | 223 | 5.6  | 5.09  | 4.9  |
| STD DS8                | Standard                         | 19.0 | 122.8 | 0.62   | 308.2 | 0.110  | <20 | 0.96  | 0.089  | 0.41   | 2.6  | 2.2  | 6.09  | 0.16   | 200 | 5.5  | 5.53  | 5.0  |
| STD OREAS45CA          | Standard                         | 17.0 | 682.8 | 0.16   | 165.9 | 0.147  | <20 | 3.61  | 0.013  | 0.07   | <0.1 | 37.3 | 0.08  | 0.02   | 45  | 0.4  | 0.07  | 16.9 |
| STD OREAS45CA          | Standard                         | 15.5 | 784.5 | 0.15   | 161.7 | 0.139  | <20 | 3.78  | 0.006  | 0.08   | <0.1 | 34.7 | 0.11  | <0.02  | 31  | 0.5  | 0.04  | 18.6 |
| STD OREAS45CA          | Standard                         | 16.0 | 809.5 | 0.16   | 173.2 | 0.142  | <20 | 3.96  | 0.006  | 0.08   | <0.1 | 36.0 | 0.12  | <0.02  | 31  | 0.5  | 0.04  | 19.3 |
| STD OREAS45CA          | Standard                         | 15.9 | 808.6 | 0.15   | 165.4 | 0.138  | <20 | 3.90  | 0.006  | 0.08   | <0.1 | 34.0 | 0.11  | <0.02  | 25  | 0.5  | 0.03  | 18.8 |
| STD OREAS45CA          | Standard                         | 15.5 | 776.0 | 0.16   | 167.2 | 0.105  | <20 | 3.92  | 0.006  | 0.08   | <0.1 | 38.0 | 0.11  | <0.02  | 25  | 0.5  | <0.02 | 18.2 |
| STD OREAS45CA          | Standard                         | 18.6 | 756.3 | 0.16   | 174.3 | 0.130  | <20 | 4.03  | 0.005  | 0.08   | <0.1 | 40.6 | 0.13  | <0.02  | 30  | 0.6  | 0.07  | 20.3 |
| STD DS8 Expected       |                                  | 14.6 | 115   | 0.6045 | 279   | 0.113  | 2.6 | 0.93  | 0.0883 | 0.41   | 3    | 2.3  | 5.4   | 0.1679 | 192 | 5.23 | 5     | 4.7  |
| STD OREAS45CA Expected |                                  | 15.9 | 709   | 0.1358 | 164   | 0.128  |     | 3.592 | 0.0075 | 0.0717 |      | 39.7 | 0.07  | 0.021  | 30  | 0.5  | 0.06  | 18.4 |
| BLK                    | Blank                            | <0.5 | <0.5  | <0.01  | <0.5  | <0.001 | <20 | <0.01 | <0.001 | <0.01  | <0.1 | <0.1 | <0.02 | <0.02  | <5  | <0.1 | <0.02 | <0.1 |



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Project: Mariposa

Report Date: September 24, 2011

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## QUALITY CONTROL REPORT

WHI11001134.1

|     |       | 1F<br>Mo<br>ppm<br>0.01 | 1F<br>Cu<br>ppm<br>0.01 | 1F<br>Pb<br>ppm<br>0.01 | 1F<br>Zn<br>ppm<br>0.1 | 1F<br>Ag<br>ppb<br>2 | 1F<br>Ni<br>ppm<br>0.1 | 1F<br>Co<br>ppm<br>0.1 | 1F<br>Mn<br>ppm<br>1 | 1F<br>Fe<br>%<br>0.01 | 1F<br>As<br>ppm<br>0.1 | 1F<br>U<br>ppm<br>0.1 | 1F<br>Au<br>ppb<br>0.2 | 1F<br>Th<br>ppm<br>0.1 | 1F<br>Sr<br>ppm<br>0.5 | 1F<br>Cd<br>ppm<br>0.01 | 1F<br>Sb<br>ppm<br>0.02 | 1F<br>Bi<br>ppm<br>0.02 | 1F<br>V<br>ppm<br>2 | 1F<br>Ca<br>%<br>0.01 | 1F<br>P<br>%<br>0.001 |
|-----|-------|-------------------------|-------------------------|-------------------------|------------------------|----------------------|------------------------|------------------------|----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------------|-----------------------|-----------------------|
| BLK | Blank | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK | Blank | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK | Blank | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK | Blank | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |
| BLK | Blank | <0.01                   | <0.01                   | <0.01                   | <0.1                   | <2                   | <0.1                   | <0.1                   | <1                   | <0.01                 | <0.1                   | <0.1                  | <0.2                   | <0.1                   | <0.5                   | <0.01                   | <0.02                   | <0.02                   | <2                  | <0.01                 | <0.001                |



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**Project:** Mariposa

**Report Date:** September 24, 2011

**Page:** 2 of 2 **Part** 2

## QUALITY CONTROL REPORT

WHI11001134.1

|     |       | 1F<br>La<br>ppm<br>0.5 | 1F<br>Cr<br>ppm<br>0.5 | 1F<br>Mg<br>%<br>0.01 | 1F<br>Ba<br>ppm<br>0.5 | 1F<br>Ti<br>%<br>0.001 | 1F<br>B<br>ppm<br>20 | 1F<br>Al<br>%<br>0.01 | 1F<br>Na<br>%<br>0.001 | 1F<br>K<br>%<br>0.01 | 1F<br>W<br>ppm<br>0.1 | 1F<br>Sc<br>ppm<br>0.1 | 1F<br>Ti<br>ppm<br>0.02 | 1F<br>S<br>%<br>0.02 | 1F<br>Hg<br>ppb<br>5 | 1F<br>Se<br>ppm<br>0.1 | 1F<br>Te<br>ppm<br>0.02 | 1F<br>Ga<br>ppm<br>0.1 |
|-----|-------|------------------------|------------------------|-----------------------|------------------------|------------------------|----------------------|-----------------------|------------------------|----------------------|-----------------------|------------------------|-------------------------|----------------------|----------------------|------------------------|-------------------------|------------------------|
| BLK | Blank | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |
| BLK | Blank | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |
| BLK | Blank | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |
| BLK | Blank | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |
| BLK | Blank | <0.5                   | <0.5                   | <0.01                 | <0.5                   | <0.001                 | <20                  | <0.01                 | <0.001                 | <0.01                | <0.1                  | <0.1                   | <0.02                   | <0.02                | <5                   | <0.1                   | <0.02                   | <0.1                   |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 18, 2011

Report Date: November 16, 2011

Page: 1 of 15

## CERTIFICATE OF ANALYSIS

WHI11001183.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-21  
P.O. Number  
Number of Samples: 417

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 198               | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 198               | Dry at 60C                                            |              |               | WHI |
| RJSV        | 198               | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F02        | 187               | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: November 16, 2011

Page: 2 of 15 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|
|           |                                  | Mo   | Cu    | Pb   | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   | P     |
|           |                                  | ppm  | ppm   | ppm  | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    | %     |
|           |                                  | 0.01 | 0.01  | 0.01 | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.1  | 0.2  | 0.1   | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01  |
| 11DS0815A | Soil                             | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0816A | Soil                             | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0817A | Soil                             | 0.82 | 11.99 | 3.05 | 15.1  | 417  | 5.9  | 2.1  | 28   | 0.59 | 1.6  | 0.3  | 2.0  | <0.1 | 22.6  | 0.27 | 0.25 | 0.36 | 14   | 0.11 | 0.084 |
| 11DS0818A | Soil                             | 0.90 | 13.75 | 6.46 | 14.4  | 776  | 8.8  | 2.2  | 59   | 0.72 | 1.7  | 0.4  | 3.4  | <0.1 | 23.6  | 0.44 | 0.25 | 0.26 | 14   | 0.12 | 0.093 |
| 11DS0819A | Soil                             | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0820A | Soil                             | 0.89 | 10.56 | 7.41 | 13.5  | 90   | 6.3  | 1.8  | 37   | 0.75 | 1.6  | 0.3  | 3.2  | <0.1 | 12.3  | 0.36 | 0.23 | 0.13 | 18   | 0.03 | 0.064 |
| 11DS0821A | Soil                             | 0.80 | 11.51 | 4.32 | 12.5  | 114  | 5.7  | 1.7  | 31   | 0.72 | 1.7  | 0.3  | 2.9  | <0.1 | 15.4  | 0.39 | 0.18 | 0.65 | 17   | 0.04 | 0.073 |
| 11DS0822A | Soil                             | 0.65 | 14.20 | 6.44 | 10.5  | 282  | 5.7  | 1.4  | 37   | 0.67 | 1.0  | 0.3  | 2.2  | <0.1 | 15.5  | 0.38 | 0.16 | 0.16 | 15   | 0.06 | 0.062 |
| 11DS0823A | Soil                             | 0.67 | 14.78 | 6.65 | 12.9  | 221  | 4.2  | 1.1  | 32   | 0.74 | 1.4  | 0.7  | 2.3  | <0.1 | 11.2  | 0.19 | 0.19 | 0.16 | 18   | 0.05 | 0.058 |
| 11DS0824A | Soil                             | 0.68 | 11.07 | 8.04 | 11.6  | 377  | 6.3  | 2.4  | 30   | 0.70 | 1.3  | 0.5  | 3.4  | <0.1 | 20.0  | 0.28 | 0.18 | 0.12 | 12   | 0.08 | 0.086 |
| 11DS0825A | Soil                             | 1.03 | 16.03 | 5.38 | 13.8  | 304  | 7.0  | 2.1  | 39   | 0.76 | 1.0  | 1.7  | 3.0  | <0.1 | 26.3  | 0.36 | 0.23 | 0.09 | 10   | 0.17 | 0.108 |
| 11DS0826A | Soil                             | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0827A | Soil                             | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0828A | Soil                             | 0.61 | 18.68 | 7.45 | 23.1  | 407  | 6.3  | 1.7  | 40   | 0.79 | 0.9  | 1.1  | 1.6  | 0.3  | 32.4  | 0.77 | 0.16 | 0.08 | 12   | 0.27 | 0.091 |
| 11DS0829A | Soil                             | 1.18 | 16.17 | 5.87 | 20.5  | 525  | 7.5  | 3.0  | 52   | 0.94 | 1.2  | 1.2  | 2.0  | <0.1 | 33.2  | 0.37 | 0.22 | 0.10 | 14   | 0.34 | 0.097 |
| 11DS0830A | Soil                             | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0831A | Soil                             | 1.29 | 14.76 | 2.48 | 14.5  | 119  | 7.2  | 11.1 | 1273 | 0.87 | 1.1  | 1.0  | 2.1  | 0.4  | 93.4  | 0.17 | 0.63 | 0.07 | 12   | 2.62 | 0.096 |
| 11DS0832A | Soil                             | 0.55 | 7.39  | 2.87 | 39.9  | 62   | 4.9  | 3.6  | 220  | 1.06 | 1.6  | 0.2  | 2.7  | 0.2  | 60.4  | 0.39 | 0.21 | 0.07 | 24   | 1.47 | 0.087 |
| 11DS0833A | Soil                             | 0.94 | 14.46 | 6.59 | 21.3  | 395  | 7.6  | 2.6  | 88   | 1.08 | 2.0  | 0.4  | 1.6  | <0.1 | 35.4  | 0.38 | 0.24 | 0.14 | 22   | 0.25 | 0.086 |
| 11DS0834A | Soil                             | 0.74 | 29.85 | 2.52 | 15.0  | 654  | 12.0 | 5.0  | 828  | 0.86 | 1.4  | 1.6  | 4.9  | 0.3  | 156.0 | 0.38 | 0.94 | 0.07 | 15   | 2.77 | 0.146 |
| 11DS0835A | Soil                             | 0.45 | 16.35 | 6.11 | 18.5  | 329  | 6.2  | 2.3  | 49   | 0.65 | 1.0  | 0.6  | 1.4  | <0.1 | 78.7  | 0.76 | 0.16 | 0.12 | 12   | 1.50 | 0.066 |
| 11DS0836A | Soil                             | 0.68 | 8.52  | 5.22 | 75.8  | 195  | 9.7  | 6.0  | 2212 | 1.52 | 2.7  | 0.2  | 0.6  | 0.4  | 96.4  | 0.65 | 0.25 | 0.11 | 30   | 1.21 | 0.091 |
| 11DS0837A | Soil                             | 0.86 | 23.10 | 3.69 | 16.3  | 1358 | 12.7 | 6.5  | 1160 | 1.22 | 1.4  | 1.9  | 6.6  | 0.2  | 291.6 | 0.40 | 0.73 | 0.08 | 21   | 2.17 | 0.107 |
| 11DS0838A | Soil                             | 0.68 | 10.42 | 6.84 | 81.5  | 449  | 11.3 | 10.3 | 2446 | 1.88 | 2.4  | 0.2  | 1.4  | 0.4  | 161.1 | 0.61 | 0.29 | 0.10 | 36   | 1.48 | 0.102 |
| 11DS0839A | Soil                             | 0.84 | 10.53 | 7.32 | 87.4  | 428  | 10.5 | 8.0  | 1893 | 1.61 | 2.8  | 0.2  | 1.6  | 0.4  | 170.1 | 0.50 | 0.30 | 0.10 | 32   | 1.51 | 0.088 |
| 11DS0840A | Soil                             | 0.53 | 11.47 | 7.03 | 140.1 | 420  | 9.6  | 8.9  | 2709 | 1.77 | 1.6  | 0.1  | 0.6  | 0.2  | 175.9 | 0.79 | 0.26 | 0.11 | 34   | 1.45 | 0.106 |
| 11DS0841A | Soil                             | 0.56 | 11.10 | 7.31 | 140.5 | 370  | 10.3 | 7.8  | 2216 | 1.79 | 2.0  | 0.2  | 1.4  | 0.2  | 170.5 | 0.72 | 0.27 | 0.12 | 34   | 1.44 | 0.100 |
| 11DS0842A | Soil                             | 0.96 | 12.60 | 3.88 | 25.4  | 793  | 7.9  | 3.1  | 335  | 0.72 | 1.4  | 0.2  | 0.2  | <0.1 | 58.8  | 0.40 | 0.18 | 0.09 | 17   | 0.49 | 0.069 |
| 11DS0843A | Soil                             | 0.77 | 11.96 | 6.56 | 80.5  | 213  | 10.3 | 8.8  | 3247 | 1.18 | 2.3  | 0.2  | 0.3  | 0.2  | 95.9  | 0.53 | 0.23 | 0.12 | 23   | 1.06 | 0.106 |
| 11DS0844A | Soil                             | 1.11 | 14.41 | 4.74 | 146.4 | 202  | 10.6 | 7.7  | 4866 | 0.78 | 1.6  | 0.2  | 0.5  | <0.1 | 106.7 | 1.36 | 0.22 | 0.11 | 13   | 1.11 | 0.085 |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

**Page:** 2 of 15 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11DS0815A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0816A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0817A | Soil                             | 8.4  | 7.2  | 0.05 | 153.5 | 0.009 | 2    | 0.40 | 0.010 | 0.05 | <0.1 | 0.4  | 0.05 | 0.08 | 107  | 0.2  | <0.02 |
| 11DS0818A | Soil                             | 9.7  | 8.3  | 0.06 | 271.5 | 0.015 | 4    | 0.45 | 0.014 | 0.06 | <0.1 | 0.8  | 0.09 | 0.08 | 167  | 0.4  | 0.03  |
| 11DS0819A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0820A | Soil                             | 4.0  | 10.9 | 0.05 | 155.3 | 0.010 | 1    | 0.52 | 0.011 | 0.04 | <0.1 | 0.4  | 0.05 | 0.06 | 93   | 0.3  | <0.02 |
| 11DS0821A | Soil                             | 3.8  | 11.1 | 0.04 | 163.3 | 0.006 | 2    | 0.59 | 0.012 | 0.04 | <0.1 | 0.2  | 0.05 | 0.06 | 104  | 0.3  | 0.03  |
| 11DS0822A | Soil                             | 4.5  | 9.7  | 0.04 | 136.8 | 0.005 | 1    | 0.46 | 0.011 | 0.03 | <0.1 | 0.2  | 0.05 | 0.06 | 68   | 0.1  | 0.04  |
| 11DS0823A | Soil                             | 9.5  | 11.1 | 0.05 | 106.3 | 0.006 | 5    | 0.50 | 0.011 | 0.03 | <0.1 | 0.2  | 0.05 | 0.04 | 85   | 0.2  | 0.05  |
| 11DS0824A | Soil                             | 9.0  | 9.6  | 0.04 | 234.4 | 0.013 | 2    | 0.54 | 0.013 | 0.05 | <0.1 | 0.5  | 0.05 | 0.08 | 132  | 0.3  | <0.02 |
| 11DS0825A | Soil                             | 27.8 | 8.6  | 0.06 | 258.0 | 0.010 | 2    | 0.65 | 0.012 | 0.05 | <0.1 | 0.5  | 0.06 | 0.09 | 120  | 0.3  | <0.02 |
| 11DS0826A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0827A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0828A | Soil                             | 36.2 | 11.7 | 0.07 | 399.6 | 0.010 | 2    | 0.70 | 0.012 | 0.06 | <0.1 | 0.6  | 0.03 | 0.08 | 90   | 0.2  | 0.02  |
| 11DS0829A | Soil                             | 14.5 | 9.9  | 0.09 | 363.4 | 0.015 | 3    | 0.60 | 0.013 | 0.06 | <0.1 | 1.0  | 0.05 | 0.09 | 128  | 0.5  | 0.02  |
| 11DS0830A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0831A | Soil                             | 17.0 | 8.0  | 0.19 | 250.5 | 0.010 | 4    | 0.62 | 0.017 | 0.02 | <0.1 | 1.0  | 0.05 | 0.15 | 110  | 0.5  | <0.02 |
| 11DS0832A | Soil                             | 2.5  | 8.2  | 0.28 | 115.9 | 0.029 | 3    | 0.67 | 0.016 | 0.06 | 0.1  | 1.4  | 0.05 | 0.08 | 157  | 0.2  | <0.02 |
| 11DS0833A | Soil                             | 5.1  | 11.4 | 0.10 | 203.1 | 0.006 | 1    | 0.76 | 0.011 | 0.04 | <0.1 | 0.3  | 0.03 | 0.06 | 128  | 0.3  | <0.02 |
| 11DS0834A | Soil                             | 12.0 | 9.6  | 0.29 | 330.9 | 0.009 | 5    | 0.83 | 0.016 | 0.02 | <0.1 | 2.0  | 0.04 | 0.17 | 168  | 0.5  | <0.02 |
| 11DS0835A | Soil                             | 4.8  | 9.0  | 0.19 | 260.5 | 0.007 | 1    | 0.44 | 0.016 | 0.04 | <0.1 | 0.3  | 0.04 | 0.06 | 107  | 0.3  | <0.02 |
| 11DS0836A | Soil                             | 3.4  | 13.8 | 0.28 | 486.0 | 0.039 | 3    | 0.78 | 0.009 | 0.10 | <0.1 | 1.0  | 0.06 | 0.05 | 115  | 0.1  | <0.02 |
| 11DS0837A | Soil                             | 19.8 | 11.3 | 0.23 | 388.8 | 0.015 | 3    | 1.02 | 0.009 | 0.06 | <0.1 | 1.7  | 0.04 | 0.14 | 264  | 0.4  | 0.03  |
| 11DS0838A | Soil                             | 3.6  | 17.0 | 0.42 | 617.1 | 0.042 | 5    | 1.18 | 0.010 | 0.12 | 0.1  | 1.3  | 0.07 | 0.07 | 75   | 0.1  | <0.02 |
| 11DS0839A | Soil                             | 3.5  | 16.3 | 0.40 | 768.7 | 0.036 | 4    | 0.86 | 0.010 | 0.14 | 0.1  | 1.1  | 0.07 | 0.08 | 90   | 0.2  | 0.02  |
| 11DS0840A | Soil                             | 3.0  | 12.2 | 0.48 | 765.4 | 0.049 | 4    | 1.02 | 0.014 | 0.11 | <0.1 | 1.1  | 0.09 | 0.08 | 142  | 0.1  | <0.02 |
| 11DS0841A | Soil                             | 2.9  | 12.7 | 0.45 | 741.7 | 0.049 | 3    | 1.02 | 0.012 | 0.10 | <0.1 | 1.0  | 0.09 | 0.08 | 149  | 0.1  | <0.02 |
| 11DS0842A | Soil                             | 3.0  | 8.8  | 0.11 | 326.9 | 0.017 | 1    | 0.36 | 0.013 | 0.06 | <0.1 | 0.6  | 0.04 | 0.08 | 115  | 0.3  | <0.02 |
| 11DS0843A | Soil                             | 4.9  | 14.5 | 0.28 | 493.6 | 0.031 | 3    | 0.61 | 0.013 | 0.20 | <0.1 | 1.0  | 0.07 | 0.05 | 90   | 0.2  | <0.02 |
| 11DS0844A | Soil                             | 3.2  | 8.8  | 0.16 | 754.6 | 0.014 | 3    | 0.38 | 0.015 | 0.10 | <0.1 | 0.4  | 0.09 | 0.08 | 151  | 0.2  | 0.03  |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

**Page:** 3 of 15 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      | 1F15       |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|------------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        | P          |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11DS0845A | Soil                             | 0.68        | 12.29       | 5.38        | 68.3       | 142      | 9.0        | 8.4        | 1793     | 0.98      | 1.8        | 0.2        | 1.6        | <0.1       | 88.0       | 1.28        | 0.19        | 0.12        | 21       | 1.00      | 0.089      |
| 11DS0846A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      | I.S.       |
| 11DS0847A | Soil                             | 0.83        | 10.69       | 4.82        | 33.1       | 322      | 7.9        | 7.6        | 547      | 1.23      | 2.1        | 0.8        | 0.8        | 0.2        | 107.9      | 0.28        | 0.27        | 0.09        | 25       | 0.90      | 0.104      |
| 11DS0848A | Soil                             | 0.95        | 8.91        | 4.51        | 25.0       | 212      | 6.9        | 4.1        | 218      | 1.04      | 1.8        | 0.2        | 0.5        | 0.1        | 61.1       | 0.59        | 0.25        | 0.10        | 25       | 0.32      | 0.065      |
| 11DS0849A | Soil                             | 0.58        | 10.54       | 5.38        | 62.0       | 118      | 8.9        | 8.4        | 2387     | 1.21      | 2.0        | 0.2        | 1.2        | 0.2        | 139.6      | 0.62        | 0.26        | 0.13        | 26       | 1.37      | 0.081      |
| 11DS0850A | Soil                             | 0.64        | 12.10       | 6.15        | 56.0       | 135      | 9.1        | 15.7       | 3482     | 1.03      | 1.5        | 0.1        | 0.3        | 0.1        | 173.8      | 0.96        | 0.27        | 0.10        | 17       | 1.34      | 0.122      |
| 11DS0851A | Soil                             | 0.70        | 15.50       | 8.03        | 85.2       | 250      | 12.1       | 18.5       | 4866     | 1.39      | 1.9        | 0.2        | 0.7        | 0.1        | 170.5      | 0.64        | 0.28        | 0.15        | 25       | 1.58      | 0.122      |
| 11DS0852A | Soil                             | 0.72        | 15.73       | 5.72        | 18.1       | 412      | 12.5       | 4.2        | 421      | 0.66      | 0.9        | 0.3        | 0.9        | <0.1       | 55.4       | 0.54        | 0.15        | 0.12        | 13       | 0.30      | 0.110      |
| 11DS0853A | Soil                             | 0.99        | 11.68       | 5.43        | 38.8       | 269      | 9.2        | 4.9        | 2118     | 0.71      | 1.3        | 0.2        | 0.6        | <0.1       | 78.7       | 0.81        | 0.22        | 0.12        | 18       | 0.65      | 0.069      |
| 11DS0854A | Soil                             | 1.25        | 11.65       | 5.87        | 148.9      | 337      | 9.9        | 7.9        | 4363     | 1.07      | 1.6        | 0.1        | 0.6        | 0.1        | 148.1      | 0.88        | 0.25        | 0.11        | 22       | 1.61      | 0.107      |
| 11DS0855A | Soil                             | 0.94        | 16.39       | 7.53        | 197.7      | 591      | 14.7       | 27.4       | >10000   | 1.24      | 1.4        | 0.2        | 1.3        | <0.1       | 152.7      | 1.55        | 0.27        | 0.13        | 26       | 1.18      | 0.113      |
| 11DS0856A | Soil                             | 0.77        | 11.87       | 6.09        | 153.0      | 405      | 10.0       | 14.5       | 3158     | 0.92      | 1.4        | 0.1        | 0.4        | <0.1       | 211.0      | 1.11        | 0.24        | 0.10        | 19       | 1.65      | 0.106      |
| 11DS0857A | Soil                             | 0.86        | 10.38       | 7.68        | 90.1       | 186      | 12.1       | 8.7        | 1875     | 1.81      | 2.3        | 0.2        | 1.4        | <0.1       | 126.4      | 0.59        | 0.31        | 0.13        | 38       | 1.09      | 0.091      |
| 11DS0858A | Soil                             | 0.72        | 10.56       | 5.58        | 102.7      | 153      | 8.2        | 8.2        | 1244     | 1.23      | 1.5        | 0.1        | 0.4        | 0.2        | 180.2      | 0.80        | 0.21        | 0.09        | 25       | 1.76      | 0.118      |
| 11DS0859A | Soil                             | 0.69        | 10.60       | 6.65        | 102.5      | 160      | 11.0       | 9.6        | 2232     | 1.40      | 1.9        | 0.2        | 1.6        | 0.3        | 159.0      | 0.62        | 0.24        | 0.09        | 30       | 1.66      | 0.105      |
| 11DS0860A | Soil                             | 0.65        | 10.17       | 5.47        | 118.3      | 244      | 10.0       | 11.6       | 3031     | 0.89      | 2.2        | 0.1        | 0.3        | 0.1        | 200.2      | 1.02        | 0.20        | 0.07        | 18       | 1.96      | 0.128      |
| 11DS0861A | Soil                             | 0.70        | 8.54        | 4.66        | 80.5       | 201      | 9.1        | 9.2        | 2161     | 0.84      | 1.8        | 0.1        | 0.5        | 0.1        | 184.1      | 0.48        | 0.19        | 0.06        | 17       | 1.84      | 0.106      |
| 11DS0862A | Soil                             | 0.61        | 12.26       | 2.15        | 19.1       | 128      | 7.7        | 2.6        | 175      | 0.65      | 1.6        | 0.4        | 1.3        | 0.3        | 133.2      | 0.30        | 0.31        | 0.04        | 14       | 2.31      | 0.076      |
| 11DS0863A | Soil                             | 1.07        | 10.30       | 5.01        | 19.4       | 202      | 5.7        | 2.3        | 109      | 0.60      | 1.2        | 0.3        | 0.9        | <0.1       | 40.0       | 0.59        | 0.18        | 0.11        | 15       | 0.29      | 0.070      |
| 11DS0864A | Soil                             | 0.87        | 47.91       | 9.68        | 39.3       | 1572     | 14.4       | 16.9       | 275      | 1.21      | 1.1        | 2.2        | 1.7        | 0.1        | 85.5       | 2.04        | 0.20        | 0.10        | 17       | 0.52      | 0.112      |
| 11DS0865A | Soil                             | 0.97        | 14.81       | 3.62        | 34.8       | 276      | 6.8        | 2.8        | 158      | 1.24      | 1.7        | 0.5        | 1.0        | 0.1        | 142.9      | 0.59        | 0.31        | 0.06        | 29       | 0.88      | 0.062      |
| 11DS0866A | Soil                             | 0.49        | 17.01       | 5.67        | 18.9       | 567      | 7.7        | 4.2        | 107      | 0.91      | 1.3        | 0.6        | 0.7        | <0.1       | 73.5       | 0.50        | 0.16        | 0.10        | 19       | 0.87      | 0.059      |
| 11DS0867A | Soil                             | 0.45        | 14.02       | 9.99        | 64.8       | 161      | 42.0       | 12.1       | 920      | 2.68      | 2.2        | 0.9        | 2.0        | 1.1        | 97.5       | 0.18        | 0.21        | 0.06        | 56       | 1.95      | 0.149      |
| 11DS0868A | Soil                             | 0.88        | 13.12       | 8.07        | 36.5       | 198      | 9.2        | 8.8        | 528      | 1.64      | 2.6        | 1.1        | 7.3        | 0.2        | 70.1       | 0.23        | 0.32        | 0.09        | 32       | 0.91      | 0.118      |
| 11DS0869A | Soil                             | 0.60        | 16.48       | 5.91        | 20.7       | 167      | 8.1        | 3.3        | 91       | 1.17      | 1.9        | 1.0        | 1.5        | <0.1       | 23.0       | 0.29        | 0.16        | 0.07        | 18       | 0.21      | 0.112      |
| 11DS0870A | Soil                             | 0.78        | 11.93       | 3.87        | 16.6       | 363      | 5.3        | 2.0        | 65       | 0.76      | 1.4        | 0.5        | 1.2        | <0.1       | 42.0       | 0.24        | 0.17        | 0.05        | 12       | 0.45      | 0.093      |
| 11DS0871A | Soil                             | 0.76        | 10.86       | 4.75        | 22.7       | 408      | 7.2        | 2.8        | 95       | 1.11      | 2.0        | 0.7        | 0.8        | <0.1       | 51.7       | 0.27        | 0.18        | 0.07        | 18       | 0.61      | 0.108      |
| 11DS0872A | Soil                             | 0.61        | 18.31       | 5.21        | 11.4       | 127      | 6.4        | 1.7        | 47       | 0.86      | 1.6        | 0.7        | 0.5        | <0.1       | 30.5       | 0.31        | 0.12        | 0.09        | 15       | 0.30      | 0.058      |
| 11DS0873A | Soil                             | 0.65        | 11.32       | 4.73        | 15.6       | 285      | 5.2        | 1.6        | 114      | 0.70      | 1.1        | 0.3        | 0.4        | <0.1       | 31.1       | 0.31        | 0.12        | 0.07        | 16       | 0.25      | 0.065      |
| 11DS0874A | Soil                             | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.   | L.N.R.    | L.N.R.     |





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Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11DS0845A | Soil                             | 4.7    | 9.9    | 0.20   | 545.4  | 0.024  | 2      | 0.57   | 0.015  | 0.09   | <0.1   | 0.7    | 0.11   | 0.07   | 155    | 0.2    | <0.02  |
| 11DS0846A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11DS0847A | Soil                             | 15.1   | 12.1   | 0.26   | 222.6  | 0.028  | 2      | 0.84   | 0.011  | 0.11   | 0.1    | 1.7    | 0.05   | 0.08   | 165    | 0.2    | 0.02   |
| 11DS0848A | Soil                             | 2.9    | 10.0   | 0.13   | 268.8  | 0.020  | 2      | 0.54   | 0.013  | 0.06   | <0.1   | 0.6    | 0.04   | 0.05   | 98     | 0.2    | <0.02  |
| 11DS0849A | Soil                             | 3.9    | 12.6   | 0.24   | 466.2  | 0.037  | 3      | 0.66   | 0.013  | 0.16   | <0.1   | 1.0    | 0.07   | 0.05   | 99     | 0.2    | <0.02  |
| 11DS0850A | Soil                             | 2.6    | 9.3    | 0.26   | 663.7  | 0.025  | 3      | 0.52   | 0.014  | 0.11   | <0.1   | 0.7    | 0.08   | 0.10   | 161    | 0.2    | <0.02  |
| 11DS0851A | Soil                             | 4.3    | 12.9   | 0.28   | 728.2  | 0.027  | 4      | 0.73   | 0.016  | 0.11   | <0.1   | 0.9    | 0.11   | 0.08   | 150    | 0.2    | <0.02  |
| 11DS0852A | Soil                             | 4.7    | 8.1    | 0.07   | 361.7  | 0.002  | <1     | 0.50   | 0.014  | 0.06   | <0.1   | 0.2    | 0.02   | 0.04   | 86     | <0.1   | <0.02  |
| 11DS0853A | Soil                             | 3.4    | 8.4    | 0.10   | 464.6  | 0.011  | 2      | 0.36   | 0.013  | 0.06   | <0.1   | 0.3    | 0.05   | 0.06   | 122    | 0.1    | 0.05   |
| 11DS0854A | Soil                             | 2.3    | 10.5   | 0.26   | 935.8  | 0.023  | 4      | 0.56   | 0.011  | 0.10   | <0.1   | 0.7    | 0.07   | 0.10   | 170    | 0.2    | 0.04   |
| 11DS0855A | Soil                             | 3.8    | 12.0   | 0.21   | 1444   | 0.019  | 2      | 0.65   | 0.015  | 0.09   | <0.1   | 0.8    | 0.10   | 0.07   | 134    | 0.3    | 0.05   |
| 11DS0856A | Soil                             | 2.6    | 8.8    | 0.23   | 779.7  | 0.018  | 4      | 0.47   | 0.011  | 0.09   | <0.1   | 0.5    | 0.05   | 0.10   | 119    | 0.2    | <0.02  |
| 11DS0857A | Soil                             | 3.5    | 14.9   | 0.39   | 640.6  | 0.026  | 2      | 0.97   | 0.010  | 0.12   | <0.1   | 0.7    | 0.05   | 0.06   | 110    | 0.1    | 0.03   |
| 11DS0858A | Soil                             | 2.4    | 10.4   | 0.32   | 759.2  | 0.029  | 7      | 0.70   | 0.010  | 0.10   | <0.1   | 0.8    | 0.04   | 0.08   | 88     | 0.1    | 0.03   |
| 11DS0859A | Soil                             | 2.9    | 14.9   | 0.40   | 756.6  | 0.028  | 4      | 0.82   | 0.010  | 0.11   | <0.1   | 1.1    | 0.03   | 0.09   | 148    | 0.1    | <0.02  |
| 11DS0860A | Soil                             | 2.1    | 10.5   | 0.29   | 1120   | 0.017  | 5      | 0.58   | 0.009  | 0.11   | <0.1   | 0.7    | 0.04   | 0.12   | 182    | 0.2    | <0.02  |
| 11DS0861A | Soil                             | 1.9    | 9.8    | 0.26   | 935.3  | 0.018  | 5      | 0.52   | 0.009  | 0.09   | <0.1   | 0.5    | 0.04   | 0.11   | 159    | 0.2    | <0.02  |
| 11DS0862A | Soil                             | 6.1    | 6.9    | 0.30   | 134.9  | 0.014  | 5      | 0.41   | 0.011  | 0.04   | <0.1   | 1.0    | <0.02  | 0.15   | 95     | <0.1   | <0.02  |
| 11DS0863A | Soil                             | 4.5    | 6.2    | 0.07   | 169.3  | 0.009  | 1      | 0.34   | 0.013  | 0.05   | <0.1   | 0.5    | <0.02  | 0.06   | 146    | 0.1    | <0.02  |
| 11DS0864A | Soil                             | 25.5   | 10.8   | 0.13   | 473.1  | 0.010  | 1      | 0.69   | 0.011  | 0.10   | <0.1   | 1.3    | 0.03   | 0.07   | 143    | <0.1   | <0.02  |
| 11DS0865A | Soil                             | 6.6    | 8.9    | 0.23   | 174.4  | 0.028  | 2      | 0.71   | 0.018  | 0.04   | <0.1   | 1.7    | <0.02  | 0.05   | 81     | <0.1   | <0.02  |
| 11DS0866A | Soil                             | 6.6    | 9.0    | 0.31   | 344.5  | 0.008  | <1     | 0.63   | 0.019  | 0.04   | <0.1   | 0.6    | <0.02  | 0.06   | 81     | 0.2    | <0.02  |
| 11DS0867A | Soil                             | 15.4   | 48.7   | 1.04   | 378.3  | 0.020  | 2      | 1.34   | 0.016  | 0.04   | <0.1   | 4.7    | <0.02  | 0.10   | 79     | <0.1   | <0.02  |
| 11DS0868A | Soil                             | 14.2   | 14.6   | 0.25   | 296.5  | 0.023  | 2      | 1.28   | 0.014  | 0.04   | <0.1   | 1.8    | 0.06   | 0.13   | 156    | 0.4    | <0.02  |
| 11DS0869A | Soil                             | 7.2    | 13.9   | 0.09   | 130.4  | 0.008  | 1      | 0.99   | 0.011  | 0.03   | <0.1   | 0.4    | <0.02  | 0.09   | 87     | 0.4    | <0.02  |
| 11DS0870A | Soil                             | 6.7    | 6.6    | 0.08   | 176.7  | 0.010  | 2      | 0.57   | 0.011  | 0.04   | <0.1   | 0.6    | 0.02   | 0.09   | 126    | 0.2    | 0.04   |
| 11DS0871A | Soil                             | 7.8    | 10.3   | 0.13   | 215.1  | 0.011  | 2      | 0.82   | 0.010  | 0.03   | <0.1   | 0.9    | 0.03   | 0.10   | 124    | 0.2    | <0.02  |
| 11DS0872A | Soil                             | 8.3    | 10.5   | 0.07   | 151.4  | 0.009  | <1     | 0.70   | 0.009  | 0.02   | <0.1   | 0.5    | <0.02  | 0.05   | 55     | <0.1   | 0.03   |
| 11DS0873A | Soil                             | 3.7    | 7.6    | 0.06   | 142.9  | 0.007  | 1      | 0.40   | 0.010  | 0.05   | <0.1   | 0.6    | <0.02  | 0.06   | 84     | 0.1    | <0.02  |
| 11DS0874A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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Project: Mariposa  
Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11DS0875A | Soil                             | 0.58   | 20.89  | 4.06   | 12.9   | 413    | 8.0    | 2.3    | 36     | 0.68   | 1.3    | 0.2    | 0.5    | <0.1   | 27.7   | 0.84   | 0.13   | 0.10   | 15     | 0.10   |
| 11DS0876A | Soil                             | 0.81   | 11.30  | 4.87   | 14.1   | 352    | 4.5    | 1.7    | 37     | 0.60   | 1.3    | 0.2    | 0.5    | <0.1   | 18.0   | 0.35   | 0.18   | 0.09   | 15     | 0.06   |
| 11DS0877A | Soil                             | 0.93   | 11.88  | 7.71   | 49.0   | 119    | 11.4   | 8.9    | 1425   | 2.37   | 3.4    | 0.3    | 1.2    | 0.8    | 29.3   | 0.33   | 0.30   | 0.14   | 69     | 0.55   |
| 11DS0878A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11DS0879A | Soil                             | 0.76   | 20.26  | 6.97   | 32.8   | 1069   | 9.2    | 3.0    | 78     | 0.61   | 1.0    | 0.2    | 0.5    | <0.1   | 37.5   | 1.62   | 0.16   | 0.12   | 12     | 0.57   |
| 11DS0880A | Soil                             | 3.46   | 12.73  | 2.24   | 19.6   | 155    | 7.3    | 1.3    | 149    | 0.39   | 1.0    | 0.7    | 4.0    | 0.3    | 65.9   | 0.29   | 0.26   | 0.05   | 7      | 1.30   |
| 11DS0881A | Soil                             | 4.16   | 14.20  | 5.10   | 24.9   | 175    | 8.9    | 2.6    | 536    | 0.53   | 1.2    | 1.0    | 6.1    | 0.4    | 63.7   | 0.49   | 0.34   | 0.07   | 9      | 1.30   |
| 11DS0882A | Soil                             | 2.78   | 31.55  | 11.69  | 76.1   | 572    | 14.4   | 10.4   | 1046   | 2.06   | 2.8    | 2.3    | 14.8   | 2.4    | 59.6   | 0.46   | 0.44   | 0.30   | 30     | 1.08   |
| 11DS0883A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11DS0884A | Soil                             | 1.25   | 20.67  | 9.27   | 40.8   | 548    | 9.8    | 6.0    | 626    | 1.20   | 1.8    | 3.2    | 13.5   | 0.9    | 101.3  | 0.89   | 0.29   | 0.11   | 13     | 1.94   |
| 11DS0885A | Soil                             | 5.40   | 46.07  | 6.78   | 23.5   | 397    | 12.3   | 5.3    | 385    | 1.07   | 1.7    | 3.4    | 10.5   | 0.7    | 74.6   | 0.38   | 0.59   | 0.18   | 16     | 1.33   |
| 11DS0886A | Soil                             | 4.39   | 32.49  | 5.94   | 41.8   | 363    | 9.1    | 4.9    | 774    | 1.16   | 1.5    | 1.9    | 5.6    | 0.9    | 79.5   | 0.78   | 0.25   | 0.18   | 21     | 1.82   |
| 11DS0887A | Soil                             | 4.72   | 35.35  | 7.30   | 23.7   | 332    | 6.6    | 1.8    | 79     | 0.79   | 1.3    | 1.4    | 6.6    | <0.1   | 42.9   | 0.95   | 0.18   | 0.28   | 10     | 0.68   |
| 11DS0888A | Soil                             | 1.37   | 22.59  | 4.68   | 70.6   | 402    | 10.7   | 2.8    | 799    | 0.76   | 1.2    | 0.4    | <0.2   | <0.1   | 34.6   | 1.61   | 0.18   | 0.12   | 18     | 0.45   |
| 11DS0889A | Soil                             | 1.66   | 38.45  | 9.16   | 33.3   | 467    | 20.4   | 8.8    | 466    | 1.51   | 2.8    | 14.0   | 6.9    | 1.6    | 83.4   | 0.59   | 0.37   | 0.19   | 25     | 2.20   |
| 11DS0890A | Soil                             | 2.14   | 49.28  | 10.13  | 59.2   | 945    | 22.0   | 5.4    | 291    | 1.16   | 2.1    | 3.6    | 0.8    | 0.3    | 70.2   | 3.03   | 0.23   | 0.16   | 19     | 1.50   |
| 11DS0891A | Soil                             | 1.43   | 28.93  | 7.12   | 43.8   | 568    | 14.2   | 5.1    | 315    | 1.46   | 4.0    | 10.3   | 6.0    | 0.7    | 98.8   | 0.64   | 0.44   | 0.20   | 21     | 2.80   |
| 11DS0892A | Soil                             | 1.11   | 21.87  | 6.07   | 23.2   | 730    | 9.5    | 4.0    | 104    | 0.85   | 1.6    | 1.2    | 1.3    | 0.2    | 47.5   | 0.75   | 0.23   | 0.09   | 12     | 0.58   |
| 11DS0893A | Soil                             | 1.14   | 36.01  | 8.26   | 38.9   | 1221   | 16.9   | 5.5    | 168    | 1.19   | 1.9    | 1.3    | 1.2    | 0.1    | 43.7   | 1.05   | 0.23   | 0.10   | 15     | 0.44   |
| 11DS0894A | Soil                             | 1.47   | 22.03  | 6.70   | 31.6   | 310    | 11.7   | 4.3    | 146    | 1.40   | 2.6    | 1.3    | 2.1    | 0.8    | 51.4   | 0.29   | 0.36   | 0.12   | 20     | 0.72   |
| 11DS0895A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11DS0896A | Soil                             | 1.09   | 19.84  | 5.96   | 34.5   | 186    | 9.5    | 4.8    | 154    | 1.71   | 2.5    | 1.3    | 1.6    | 1.2    | 36.3   | 0.25   | 0.28   | 0.10   | 14     | 0.42   |
| 11DS0897A | Soil                             | 1.44   | 15.53  | 6.92   | 28.0   | 362    | 8.5    | 4.1    | 117    | 1.74   | 2.4    | 1.4    | 2.3    | 0.4    | 34.0   | 0.24   | 0.31   | 0.09   | 14     | 0.39   |
| 11DS0898A | Soil                             | 1.63   | 23.73  | 6.88   | 37.1   | 208    | 11.7   | 5.4    | 122    | 1.66   | 3.5    | 1.4    | 2.4    | 0.4    | 29.2   | 0.34   | 0.32   | 0.10   | 19     | 0.32   |
| 11DS0899A | Soil                             | 1.69   | 15.83  | 7.27   | 30.0   | 146    | 8.7    | 3.5    | 103    | 1.30   | 2.6    | 0.8    | 1.2    | 0.3    | 21.6   | 0.25   | 0.21   | 0.12   | 21     | 0.20   |
| 11DS0900A | Soil                             | 1.47   | 9.20   | 6.11   | 21.5   | 133    | 8.8    | 4.3    | 105    | 1.65   | 2.3    | 1.3    | 0.3    | 0.5    | 49.6   | 0.21   | 0.46   | 0.07   | 9      | 0.54   |
| 11DS0901A | Soil                             | 1.39   | 10.67  | 4.80   | 24.6   | 159    | 8.5    | 4.2    | 121    | 1.74   | 2.7    | 1.5    | 1.4    | 0.6    | 45.0   | 0.18   | 0.35   | 0.08   | 11     | 0.50   |
| 11DS0902A | Soil                             | 1.11   | 23.47  | 8.39   | 26.2   | 256    | 11.1   | 3.4    | 95     | 1.57   | 3.0    | 2.1    | 1.5    | 0.4    | 28.4   | 0.46   | 0.26   | 0.12   | 20     | 0.23   |
| 11DS0903A | Soil                             | 1.05   | 17.42  | 7.13   | 37.3   | 392    | 12.1   | 4.8    | 110    | 2.04   | 4.3    | 1.8    | 3.6    | 1.4    | 35.4   | 0.21   | 0.36   | 0.13   | 25     | 0.39   |
| 11DS0904A | Soil                             | 1.73   | 23.83  | 9.87   | 47.2   | 381    | 16.6   | 7.0    | 113    | 2.17   | 5.5    | 1.9    | 2.6    | 1.1    | 37.8   | 0.42   | 0.44   | 0.17   | 36     | 0.35   |



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Project: Mariposa  
Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11DS0875A | Soil                             | 3.1    | 9.4    | 0.04   | 179.9  | 0.003  | 1      | 0.60   | 0.013  | 0.03   | <0.1   | 0.3    | <0.02  | 0.05   | 98     | 0.2    | <0.02  |
| 11DS0876A | Soil                             | 2.6    | 8.2    | 0.04   | 167.3  | 0.002  | 2      | 0.40   | 0.012  | 0.03   | <0.1   | 0.2    | <0.02  | 0.05   | 91     | 0.2    | <0.02  |
| 11DS0877A | Soil                             | 5.9    | 22.3   | 0.57   | 461.7  | 0.031  | 1      | 1.19   | 0.009  | 0.06   | 0.1    | 2.7    | 0.05   | 0.04   | 71     | <0.1   | <0.02  |
| 11DS0878A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11DS0879A | Soil                             | 6.6    | 6.8    | 0.09   | 349.4  | 0.003  | 2      | 0.40   | 0.012  | 0.05   | <0.1   | 0.3    | <0.02  | 0.07   | 104    | <0.1   | <0.02  |
| 11DS0880A | Soil                             | 11.6   | 6.3    | 0.13   | 609.0  | 0.009  | 4      | 0.27   | 0.013  | 0.02   | <0.1   | 1.0    | <0.02  | 0.15   | 89     | 0.2    | <0.02  |
| 11DS0881A | Soil                             | 14.5   | 9.2    | 0.15   | 661.5  | 0.010  | 4      | 0.37   | 0.014  | 0.03   | <0.1   | 1.3    | 0.03   | 0.16   | 113    | 0.2    | <0.02  |
| 11DS0882A | Soil                             | 33.2   | 22.4   | 0.38   | 530.6  | 0.019  | 2      | 1.34   | 0.013  | 0.04   | <0.1   | 2.7    | 0.10   | 0.10   | 87     | <0.1   | 0.03   |
| 11DS0883A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11DS0884A | Soil                             | 41.5   | 11.4   | 0.28   | 432.0  | 0.014  | 3      | 0.63   | 0.013  | 0.03   | <0.1   | 2.0    | 0.04   | 0.17   | 111    | 0.2    | <0.02  |
| 11DS0885A | Soil                             | 28.7   | 17.4   | 0.21   | 614.8  | 0.022  | 2      | 0.73   | 0.021  | 0.06   | <0.1   | 1.8    | 0.06   | 0.13   | 138    | 0.3    | 0.06   |
| 11DS0886A | Soil                             | 31.6   | 13.5   | 0.32   | 528.1  | 0.025  | 4      | 0.76   | 0.013  | 0.06   | <0.1   | 1.9    | 0.07   | 0.13   | 105    | 0.3    | <0.02  |
| 11DS0887A | Soil                             | 30.5   | 7.3    | 0.08   | 450.4  | 0.005  | 2      | 0.36   | 0.013  | 0.04   | <0.1   | 0.5    | 0.02   | 0.11   | 106    | <0.1   | 0.05   |
| 11DS0888A | Soil                             | 9.8    | 7.6    | 0.08   | 441.6  | 0.009  | <1     | 0.37   | 0.013  | 0.07   | <0.1   | 0.4    | 0.02   | 0.04   | 72     | <0.1   | 0.03   |
| 11DS0889A | Soil                             | 111.1  | 21.4   | 0.31   | 641.7  | 0.019  | 3      | 1.21   | 0.011  | 0.04   | <0.1   | 3.2    | 0.05   | 0.11   | 130    | <0.1   | 0.05   |
| 11DS0890A | Soil                             | 49.2   | 12.6   | 0.24   | 436.5  | 0.014  | 2      | 0.77   | 0.013  | 0.09   | <0.1   | 1.1    | 0.03   | 0.08   | 87     | <0.1   | <0.02  |
| 11DS0891A | Soil                             | 64.1   | 16.7   | 0.27   | 440.4  | 0.019  | 4      | 1.34   | 0.009  | 0.05   | <0.1   | 2.4    | 0.06   | 0.16   | 133    | 0.4    | 0.06   |
| 11DS0892A | Soil                             | 22.0   | 7.2    | 0.10   | 281.1  | 0.011  | 2      | 0.70   | 0.012  | 0.06   | <0.1   | 0.7    | 0.03   | 0.10   | 115    | 0.1    | <0.02  |
| 11DS0893A | Soil                             | 23.9   | 11.0   | 0.11   | 402.1  | 0.005  | <1     | 0.82   | 0.014  | 0.06   | <0.1   | 0.3    | 0.03   | 0.09   | 138    | 0.4    | <0.02  |
| 11DS0894A | Soil                             | 21.7   | 17.0   | 0.22   | 285.5  | 0.027  | 2      | 1.03   | 0.015  | 0.05   | 0.1    | 2.5    | 0.06   | 0.10   | 99     | 0.2    | <0.02  |
| 11DS0895A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11DS0896A | Soil                             | 19.8   | 10.3   | 0.14   | 244.6  | 0.026  | 2      | 0.73   | 0.010  | 0.03   | <0.1   | 2.4    | 0.04   | 0.12   | 105    | 0.3    | <0.02  |
| 11DS0897A | Soil                             | 18.2   | 12.0   | 0.14   | 224.5  | 0.018  | 2      | 0.71   | 0.013  | 0.04   | 0.2    | 1.4    | 0.05   | 0.13   | 97     | 0.5    | <0.02  |
| 11DS0898A | Soil                             | 18.6   | 12.2   | 0.18   | 262.0  | 0.025  | 2      | 0.79   | 0.013  | 0.04   | <0.1   | 1.6    | 0.04   | 0.11   | 84     | 0.4    | <0.02  |
| 11DS0899A | Soil                             | 13.3   | 13.8   | 0.15   | 141.5  | 0.026  | 1      | 0.76   | 0.010  | 0.04   | 0.1    | 1.1    | 0.06   | 0.07   | 73     | <0.1   | <0.02  |
| 11DS0900A | Soil                             | 49.2   | 8.2    | 0.09   | 380.4  | 0.021  | 2      | 0.75   | 0.011  | 0.03   | <0.1   | 1.7    | 0.02   | 0.11   | 106    | 0.3    | <0.02  |
| 11DS0901A | Soil                             | 42.9   | 8.7    | 0.11   | 335.1  | 0.019  | 2      | 0.80   | 0.010  | 0.03   | <0.1   | 1.6    | 0.03   | 0.11   | 91     | 0.3    | 0.03   |
| 11DS0902A | Soil                             | 33.7   | 15.8   | 0.13   | 271.7  | 0.019  | 1      | 1.10   | 0.011  | 0.05   | <0.1   | 1.4    | 0.04   | 0.08   | 119    | 0.3    | <0.02  |
| 11DS0903A | Soil                             | 31.5   | 23.4   | 0.24   | 279.3  | 0.036  | 1      | 1.61   | 0.013  | 0.05   | 0.1    | 3.3    | 0.07   | 0.10   | 105    | 0.3    | <0.02  |
| 11DS0904A | Soil                             | 31.7   | 28.8   | 0.19   | 290.5  | 0.034  | 2      | 1.89   | 0.013  | 0.08   | 0.2    | 3.2    | 0.06   | 0.10   | 130    | 0.5    | <0.02  |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11DS0905A | Soil                             | 1.61        | 22.46       | 6.87        | 33.0       | 144      | 12.1       | 5.1        | 149      | 1.15      | 1.9        | 1.4        | <0.2       | 0.2        | 49.4       | 0.83        | 0.31        | 0.08        | 15       | 0.49      |
| 11DS0906A | Soil                             | 1.07        | 16.87       | 9.24        | 34.5       | 368      | 13.8       | 4.6        | 88       | 1.62      | 3.7        | 1.8        | 0.8        | 0.6        | 35.0       | 0.34        | 0.37        | 0.11        | 21       | 0.32      |
| 11DS0907A | Soil                             | 1.45        | 60.58       | 12.71       | 41.4       | 636      | 26.6       | 8.2        | 125      | 1.78      | 2.8        | 3.1        | 0.4        | 0.3        | 42.1       | 1.68        | 0.37        | 0.13        | 23       | 0.42      |
| 11DS0908A | Soil                             | 1.04        | 24.44       | 9.02        | 33.8       | 227      | 12.8       | 5.1        | 121      | 1.51      | 2.2        | 2.3        | 1.6        | 0.4        | 50.9       | 0.74        | 0.42        | 0.11        | 16       | 0.49      |
| 11DS0909A | Soil                             | 0.58        | 24.52       | 7.28        | 42.7       | 204      | 14.7       | 8.5        | 254      | 1.39      | 1.8        | 4.9        | 1.2        | 0.4        | 83.2       | 0.98        | 0.66        | 0.09        | 14       | 0.88      |
| 11DS0910A | Soil                             | 1.64        | 30.78       | 15.65       | 63.4       | 221      | 15.3       | 18.5       | 1026     | 2.22      | 4.1        | 3.9        | 2.2        | 1.7        | 89.2       | 0.46        | 0.57        | 0.18        | 34       | 0.99      |
| 11DS0911A | Soil                             | 1.42        | 23.68       | 8.97        | 44.2       | 314      | 13.9       | 4.3        | 115      | 1.47      | 2.7        | 2.5        | 3.0        | 0.5        | 51.9       | 0.51        | 0.33        | 0.13        | 18       | 0.51      |
| 11DS0912A | Soil                             | 1.58        | 19.15       | 9.02        | 47.8       | 187      | 8.7        | 4.5        | 129      | 1.49      | 2.4        | 1.2        | 1.0        | 0.3        | 37.4       | 0.50        | 0.27        | 0.14        | 22       | 0.35      |
| 11DS0913A | Soil                             | 1.21        | 21.74       | 8.70        | 53.2       | 268      | 11.0       | 7.6        | 225      | 2.17      | 3.9        | 1.7        | 2.1        | 0.5        | 42.3       | 0.34        | 0.32        | 0.13        | 30       | 0.36      |
| 11DS0914A | Soil                             | 1.28        | 12.77       | 4.71        | 30.8       | 160      | 9.1        | 18.9       | 619      | 1.40      | 2.2        | 1.5        | 1.4        | 0.3        | 65.0       | 0.38        | 0.56        | 0.05        | 12       | 0.59      |
| 11TB0845A | Soil                             | 1.81        | 13.59       | 3.54        | 39.3       | 120      | 6.1        | 2.4        | 437      | 0.64      | 1.2        | 0.7        | 1.0        | 0.1        | 36.9       | 0.49        | 0.24        | 0.06        | 13       | 0.58      |
| 11TB0846A | Soil                             | 1.50        | 25.43       | 6.21        | 36.8       | 226      | 14.5       | 5.4        | 212      | 1.10      | 1.9        | 1.0        | 1.0        | 0.3        | 31.6       | 1.11        | 0.25        | 0.11        | 24       | 0.32      |
| 11TB0847A | Soil                             | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.   | L.N.R.    |
| 11TB0848A | Soil                             | 2.36        | 15.18       | 5.50        | 34.9       | 147      | 9.9        | 3.9        | 120      | 1.47      | 3.3        | 1.6        | 2.8        | 1.3        | 44.3       | 0.21        | 0.34        | 0.09        | 20       | 0.54      |
| 11TB0849A | Soil                             | 2.62        | 16.48       | 5.67        | 34.5       | 136      | 10.0       | 4.0        | 144      | 1.45      | 2.9        | 1.3        | 1.3        | 0.5        | 39.8       | 0.20        | 0.30        | 0.11        | 25       | 0.46      |
| 11TB0850A | Soil                             | 0.72        | 19.08       | 5.60        | 14.4       | 395      | 6.1        | 2.0        | 45       | 0.81      | 1.3        | 0.3        | 0.4        | <0.1       | 26.8       | 0.31        | 0.14        | 0.09        | 16       | 0.16      |
| 11TB0851A | Soil                             | 0.67        | 15.88       | 5.41        | 14.7       | 132      | 6.9        | 2.4        | 70       | 1.03      | 1.9        | 0.8        | 0.5        | 0.2        | 42.4       | 0.22        | 0.19        | 0.19        | 17       | 0.34      |
| 11TB0852A | Soil                             | 0.96        | 17.97       | 5.96        | 31.0       | 617      | 10.7       | 5.2        | 137      | 1.58      | 3.1        | 1.1        | 4.2        | 0.2        | 69.2       | 0.18        | 0.27        | 0.11        | 29       | 0.56      |
| 11TB0853A | Soil                             | 0.77        | 12.10       | 4.23        | 15.4       | 296      | 5.9        | 2.3        | 72       | 1.10      | 1.7        | 0.6        | 0.6        | <0.1       | 37.0       | 0.20        | 0.19        | 0.09        | 18       | 0.30      |
| 11TB0854A | Soil                             | 0.72        | 16.91       | 5.19        | 17.1       | 302      | 7.7        | 3.1        | 63       | 1.03      | 1.5        | 0.7        | 1.4        | <0.1       | 47.0       | 0.35        | 0.16        | 0.08        | 17       | 0.47      |
| 11TB0855A | Soil                             | 0.72        | 16.31       | 4.89        | 19.0       | 355      | 6.4        | 2.1        | 82       | 0.97      | 1.4        | 0.8        | 0.8        | <0.1       | 44.0       | 0.26        | 0.14        | 0.08        | 13       | 0.44      |
| 11TB0856A | Soil                             | 1.50        | 17.76       | 6.27        | 60.2       | 158      | 12.7       | 19.0       | 1198     | 2.23      | 3.6        | 1.8        | 1.8        | 2.0        | 81.5       | 0.39        | 0.45        | 0.09        | 39       | 1.26      |
| 11TB0857A | Soil                             | 0.53        | 19.24       | 2.33        | 25.6       | 113      | 8.8        | 3.5        | 316      | 0.85      | 1.7        | 2.1        | 1.6        | 0.3        | 142.2      | 0.22        | 0.50        | 0.04        | 18       | 3.27      |
| 11TB0858A | Soil                             | 0.69        | 11.54       | 1.91        | 26.0       | 105      | 8.0        | 4.0        | 1354     | 0.67      | 1.1        | 1.3        | 2.7        | 0.2        | 167.3      | 0.15        | 0.37        | 0.03        | 14       | 3.05      |
| 11TB0859A | Soil                             | 0.42        | 11.07       | 3.24        | 22.7       | 151      | 8.0        | 4.5        | 340      | 1.23      | 1.5        | 1.1        | 2.4        | 0.5        | 155.4      | 0.17        | 0.30        | 0.08        | 24       | 2.52      |
| 11TB0860A | Soil                             | 1.20        | 10.22       | 8.07        | 34.3       | 201      | 10.4       | 4.8        | 269      | 2.07      | 5.9        | 0.3        | 2.3        | 1.8        | 21.0       | 0.17        | 0.40        | 0.18        | 54       | 0.19      |
| 11TB0861A | Soil                             | 1.09        | 8.29        | 8.34        | 35.5       | 98       | 11.9       | 5.5        | 216      | 2.25      | 6.8        | 0.3        | 1.9        | 1.9        | 18.7       | 0.15        | 0.38        | 0.18        | 57       | 0.16      |
| 11TB0862A | Soil                             | 1.21        | 14.40       | 6.89        | 53.7       | 382      | 11.5       | 14.1       | 989      | 3.24      | 5.3        | 0.9        | 2.0        | 1.8        | 86.4       | 0.12        | 0.36        | 0.15        | 95       | 0.66      |
| 11TB0863A | Soil                             | 0.60        | 15.48       | 3.30        | 16.1       | 294      | 10.9       | 9.1        | 622      | 0.99      | 2.5        | 1.1        | 2.9        | 0.3        | 168.0      | 0.26        | 0.65        | 0.06        | 17       | 1.65      |
| 11TB0864A | Soil                             | 0.77        | 10.45       | 5.83        | 27.8       | 232      | 6.5        | 3.1        | 103      | 1.29      | 1.7        | 0.2        | 0.3        | <0.1       | 50.5       | 0.38        | 0.20        | 0.11        | 38       | 0.31      |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

**Page:** 5 of 15 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11DS0905A | Soil                             | 33.9   | 10.6   | 0.11   | 342.0  | 0.013  | 2      | 0.73   | 0.012  | 0.06   | <0.1   | 0.9    | 0.03   | 0.09   | 104    | 0.3    | <0.02  |
| 11DS0906A | Soil                             | 37.8   | 18.1   | 0.17   | 304.7  | 0.028  | 2      | 1.22   | 0.013  | 0.05   | 0.1    | 2.7    | 0.07   | 0.10   | 112    | 0.5    | <0.02  |
| 11DS0907A | Soil                             | 41.3   | 15.3   | 0.18   | 355.9  | 0.014  | 1      | 1.04   | 0.013  | 0.05   | <0.1   | 1.3    | 0.04   | 0.09   | 138    | 0.3    | 0.03   |
| 11DS0908A | Soil                             | 26.5   | 13.3   | 0.16   | 332.7  | 0.016  | 2      | 0.84   | 0.014  | 0.04   | <0.1   | 1.9    | 0.04   | 0.11   | 140    | 0.3    | <0.02  |
| 11DS0909A | Soil                             | 58.9   | 12.4   | 0.20   | 462.6  | 0.018  | 2      | 1.07   | 0.013  | 0.04   | <0.1   | 4.4    | 0.05   | 0.09   | 147    | 0.1    | <0.02  |
| 11DS0910A | Soil                             | 41.7   | 19.6   | 0.31   | 477.5  | 0.038  | 3      | 1.45   | 0.015  | 0.06   | <0.1   | 5.2    | 0.09   | 0.11   | 132    | 0.4    | <0.02  |
| 11DS0911A | Soil                             | 24.6   | 19.3   | 0.18   | 310.8  | 0.017  | 1      | 0.96   | 0.014  | 0.04   | 0.1    | 2.6    | 0.06   | 0.11   | 139    | 0.5    | 0.04   |
| 11DS0912A | Soil                             | 18.0   | 14.3   | 0.19   | 231.7  | 0.022  | <1     | 0.96   | 0.012  | 0.05   | <0.1   | 1.3    | 0.05   | 0.06   | 83     | 0.5    | <0.02  |
| 11DS0913A | Soil                             | 17.8   | 18.1   | 0.27   | 257.9  | 0.026  | 2      | 1.19   | 0.013  | 0.05   | <0.1   | 2.0    | 0.05   | 0.08   | 98     | 0.5    | <0.02  |
| 11DS0914A | Soil                             | 23.2   | 9.9    | 0.13   | 341.8  | 0.016  | 2      | 0.66   | 0.011  | 0.04   | 0.1    | 2.2    | 0.03   | 0.10   | 123    | 0.4    | 0.04   |
| 11TB0845A | Soil                             | 12.7   | 8.6    | 0.09   | 296.3  | 0.013  | 2      | 0.34   | 0.020  | 0.07   | <0.1   | 0.7    | 0.03   | 0.08   | 96     | 0.4    | <0.02  |
| 11TB0846A | Soil                             | 31.5   | 12.9   | 0.10   | 347.6  | 0.011  | <1     | 0.57   | 0.017  | 0.06   | <0.1   | 0.6    | 0.03   | 0.05   | 56     | 0.3    | 0.03   |
| 11TB0847A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0848A | Soil                             | 38.6   | 13.8   | 0.20   | 327.7  | 0.028  | 2      | 0.99   | 0.015  | 0.05   | <0.1   | 3.1    | 0.06   | 0.10   | 114    | 0.5    | <0.02  |
| 11TB0849A | Soil                             | 23.9   | 16.5   | 0.21   | 248.9  | 0.027  | 1      | 0.97   | 0.012  | 0.05   | 0.2    | 1.7    | 0.07   | 0.08   | 93     | 0.4    | <0.02  |
| 11TB0850A | Soil                             | 3.9    | 9.7    | 0.07   | 132.7  | 0.010  | <1     | 0.60   | 0.019  | 0.03   | <0.1   | 0.4    | 0.04   | 0.07   | 97     | 0.3    | 0.04   |
| 11TB0851A | Soil                             | 7.4    | 12.5   | 0.12   | 166.3  | 0.005  | 1      | 0.95   | 0.017  | 0.03   | <0.1   | 0.4    | 0.03   | 0.07   | 77     | 0.7    | 0.05   |
| 11TB0852A | Soil                             | 13.5   | 16.3   | 0.26   | 217.8  | 0.031  | 2      | 1.43   | 0.019  | 0.04   | <0.1   | 1.8    | 0.05   | 0.07   | 121    | 0.6    | 0.07   |
| 11TB0853A | Soil                             | 6.9    | 11.1   | 0.11   | 139.9  | 0.008  | 1      | 1.05   | 0.014  | 0.03   | <0.1   | 0.5    | 0.04   | 0.08   | 98     | 0.5    | <0.02  |
| 11TB0854A | Soil                             | 7.3    | 10.5   | 0.13   | 175.0  | 0.011  | 1      | 0.93   | 0.017  | 0.04   | <0.1   | 0.5    | 0.04   | 0.07   | 85     | 0.2    | <0.02  |
| 11TB0855A | Soil                             | 5.6    | 12.5   | 0.10   | 149.5  | 0.008  | <1     | 0.76   | 0.017  | 0.03   | <0.1   | 0.4    | 0.03   | 0.08   | 85     | 0.4    | 0.02   |
| 11TB0856A | Soil                             | 33.2   | 19.2   | 0.46   | 357.5  | 0.043  | 3      | 1.32   | 0.020  | 0.06   | 0.1    | 3.6    | 0.07   | 0.10   | 99     | 0.5    | <0.02  |
| 11TB0857A | Soil                             | 4.8    | 9.6    | 0.32   | 425.8  | 0.015  | 5      | 0.67   | 0.023  | 0.03   | <0.1   | 1.8    | 0.03   | 0.17   | 92     | 0.6    | <0.02  |
| 11TB0858A | Soil                             | 3.6    | 8.1    | 0.35   | 193.6  | 0.011  | 6      | 0.46   | 0.020  | 0.02   | <0.1   | 1.2    | 0.04   | 0.17   | 64     | 1.0    | <0.02  |
| 11TB0859A | Soil                             | 4.4    | 10.9   | 0.44   | 263.8  | 0.024  | 5      | 1.01   | 0.016  | 0.04   | <0.1   | 2.4    | 0.04   | 0.13   | 96     | 0.5    | <0.02  |
| 11TB0860A | Soil                             | 8.3    | 19.9   | 0.25   | 138.1  | 0.058  | 1      | 1.11   | 0.009  | 0.08   | 0.2    | 1.9    | 0.07   | 0.02   | 36     | 0.1    | 0.05   |
| 11TB0861A | Soil                             | 7.6    | 20.0   | 0.30   | 134.2  | 0.047  | <1     | 1.26   | 0.008  | 0.07   | 0.1    | 1.8    | 0.05   | <0.02  | 25     | 0.2    | 0.02   |
| 11TB0862A | Soil                             | 15.2   | 18.9   | 0.64   | 188.2  | 0.093  | <1     | 2.06   | 0.017  | 0.15   | 0.1    | 4.6    | 0.06   | 0.02   | 45     | <0.1   | 0.02   |
| 11TB0863A | Soil                             | 18.7   | 11.3   | 0.29   | 288.9  | 0.018  | 4      | 0.66   | 0.020  | 0.05   | 0.1    | 2.0    | 0.03   | 0.14   | 108    | 0.3    | 0.03   |
| 11TB0864A | Soil                             | 4.3    | 10.6   | 0.17   | 166.1  | 0.027  | 1      | 0.90   | 0.016  | 0.06   | <0.1   | 0.7    | 0.04   | 0.05   | 66     | 0.3    | 0.02   |



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Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11TB0865A | Soil                             | 0.73        | 11.74       | 4.41        | 51.1       | 192      | 11.3       | 7.1        | 486      | 1.61      | 3.2        | 0.6        | 2.1        | 0.5        | 112.5      | 0.29        | 0.38        | 0.10        | 32       | 1.10      |
| 11TB0866A | Soil                             | 0.65        | 20.73       | 11.99       | 58.2       | 230      | 17.6       | 11.2       | 858      | 2.20      | 4.3        | 1.3        | 3.3        | 1.3        | 132.4      | 0.41        | 0.66        | 0.13        | 45       | 1.59      |
| 11TB0867A | Soil                             | 0.79        | 8.99        | 5.95        | 48.5       | 252      | 10.7       | 7.3        | 363      | 2.14      | 3.4        | 0.4        | <0.2       | 0.7        | 44.2       | 0.30        | 0.36        | 0.14        | 55       | 0.37      |
| 11TB0868A | Soil                             | 0.95        | 12.29       | 7.27        | 79.9       | 211      | 12.2       | 10.9       | 1966     | 2.02      | 3.0        | 0.2        | 1.4        | 0.5        | 131.4      | 0.60        | 0.30        | 0.13        | 39       | 1.21      |
| 11TB0869A | Soil                             | 1.01        | 8.70        | 8.28        | 72.0       | 214      | 12.6       | 9.6        | 1525     | 2.06      | 3.2        | 0.2        | 0.5        | 0.9        | 94.6       | 0.37        | 0.41        | 0.15        | 46       | 0.76      |
| 11TB0870A | Soil                             | 0.85        | 9.93        | 7.38        | 75.2       | 258      | 12.2       | 13.1       | 2663     | 1.99      | 2.4        | 0.2        | 1.2        | 0.4        | 148.4      | 0.44        | 0.37        | 0.15        | 40       | 1.11      |
| 11TB0871A | Soil                             | 1.02        | 11.48       | 6.37        | 95.3       | 906      | 10.2       | 12.2       | 3666     | 1.23      | 1.6        | 0.2        | 0.7        | 0.4        | 209.7      | 0.80        | 0.30        | 0.12        | 22       | 1.58      |
| 11TB0872A | Soil                             | 1.16        | 11.25       | 8.73        | 78.4       | 731      | 13.2       | 13.9       | 4481     | 2.03      | 2.3        | 0.2        | 0.3        | 0.4        | 142.9      | 0.58        | 0.34        | 0.15        | 38       | 1.08      |
| 11TB0873A | Soil                             | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.   | L.N.R.    |
| 11TB0874A | Soil                             | 5.87        | 54.02       | 22.74       | 118.1      | 1014     | 18.1       | 11.0       | 2038     | 1.92      | 2.9        | 4.7        | 22.5       | 1.7        | 101.4      | 1.62        | 0.39        | 0.26        | 29       | 1.53      |
| 11TB0875A | Soil                             | 1.75        | 26.62       | 10.36       | 30.4       | 477      | 8.1        | 2.7        | 131      | 1.12      | 2.1        | 1.1        | 1.4        | 0.2        | 27.0       | 0.60        | 0.21        | 0.15        | 22       | 0.27      |
| 11TB0876A | Soil                             | 1.30        | 16.49       | 4.31        | 37.0       | 229      | 7.2        | 1.7        | 129      | 0.79      | 1.5        | 0.5        | 4.3        | <0.1       | 24.3       | 0.57        | 0.20        | 0.09        | 16       | 0.23      |
| 11TB0877A | Soil                             | 1.34        | 30.03       | 7.26        | 39.8       | 819      | 13.2       | 3.5        | 189      | 0.84      | 1.4        | 1.4        | 0.9        | 0.2        | 45.3       | 1.13        | 0.24        | 0.08        | 14       | 0.58      |
| 11TB0878A | Soil                             | 0.90        | 15.68       | 7.48        | 33.5       | 1321     | 8.7        | 2.8        | 60       | 0.75      | 1.7        | 0.3        | 0.8        | <0.1       | 42.3       | 1.53        | 0.24        | 0.10        | 13       | 0.41      |
| 11TB0879A | Soil                             | 1.12        | 17.91       | 6.05        | 30.6       | 276      | 9.7        | 3.0        | 118      | 1.29      | 2.5        | 2.1        | 1.8        | 0.4        | 41.8       | 0.21        | 0.31        | 0.10        | 18       | 0.50      |
| 11TB0880A | Soil                             | 2.16        | 14.01       | 5.03        | 29.4       | 154      | 8.0        | 3.5        | 130      | 1.27      | 2.9        | 1.1        | 1.2        | 0.8        | 30.3       | 0.17        | 0.26        | 0.11        | 27       | 0.33      |
| 11TB0881A | Soil                             | 2.32        | 14.22       | 4.62        | 30.0       | 161      | 7.9        | 3.1        | 128      | 1.20      | 2.7        | 1.2        | 1.5        | 0.7        | 36.7       | 0.22        | 0.32        | 0.10        | 23       | 0.43      |
| 11TB0882A | Soil                             | 1.99        | 36.82       | 8.88        | 41.6       | 373      | 17.3       | 6.4        | 224      | 1.56      | 2.4        | 3.1        | 2.1        | 0.4        | 47.9       | 0.74        | 0.29        | 0.12        | 19       | 0.57      |
| 11TB0883A | Soil                             | 1.70        | 18.01       | 8.88        | 61.8       | 297      | 9.3        | 4.9        | 421      | 1.56      | 2.4        | 1.6        | 49.0       | 1.6        | 77.5       | 0.44        | 0.29        | 0.20        | 26       | 1.54      |
| 11TB0884A | Soil                             | 1.52        | 14.45       | 5.27        | 30.4       | 146      | 9.9        | 4.4        | 156      | 1.34      | 2.7        | 1.3        | 1.1        | 0.5        | 34.3       | 0.13        | 0.34        | 0.10        | 21       | 0.38      |
| 11TB0885A | Soil                             | 1.01        | 27.86       | 5.40        | 78.4       | 216      | 12.0       | 3.1        | 122      | 1.13      | 1.7        | 0.3        | 0.9        | <0.1       | 17.5       | 0.80        | 0.29        | 0.15        | 30       | 0.07      |
| 11TB0886A | Soil                             | 0.89        | 12.35       | 7.17        | 34.9       | 88       | 6.5        | 2.4        | 139      | 1.15      | 1.6        | 0.3        | 2.1        | 0.3        | 11.3       | 0.42        | 0.34        | 0.22        | 42       | 0.08      |
| 11TB0887A | Soil                             | 0.73        | 19.89       | 4.60        | 36.9       | 224      | 9.0        | 2.9        | 517      | 0.74      | 1.1        | 0.3        | 2.5        | <0.1       | 21.7       | 1.04        | 0.22        | 0.11        | 20       | 0.17      |
| 11TB0888A | Soil                             | 1.47        | 26.80       | 7.44        | 39.5       | 303      | 18.7       | 13.1       | 1061     | 2.27      | 4.5        | 7.0        | 4.2        | 3.2        | 77.1       | 0.33        | 0.62        | 0.17        | 30       | 0.96      |
| 11TB0889A | Soil                             | 1.03        | 12.33       | 5.88        | 22.3       | 67       | 6.2        | 2.0        | 100      | 1.20      | 3.4        | 0.4        | 1.5        | 0.1        | 13.1       | 0.19        | 0.32        | 0.17        | 37       | 0.09      |
| 11TB0890A | Soil                             | 1.09        | 12.40       | 4.81        | 31.2       | 104      | 8.2        | 3.7        | 123      | 0.93      | 2.2        | 0.5        | 1.9        | 0.2        | 24.7       | 0.42        | 0.30        | 0.09        | 21       | 0.25      |
| 11TB0891A | Soil                             | 0.95        | 13.15       | 6.36        | 35.0       | 189      | 9.7        | 4.3        | 127      | 1.44      | 2.6        | 1.2        | 2.5        | 0.9        | 28.0       | 0.18        | 0.39        | 0.12        | 26       | 0.29      |
| 11TB0892A | Soil                             | 1.22        | 10.61       | 6.48        | 34.3       | 209      | 9.7        | 4.0        | 132      | 1.31      | 3.4        | 0.8        | 2.8        | 0.9        | 29.5       | 0.23        | 0.31        | 0.11        | 24       | 0.32      |
| 11TB0893A | Soil                             | 0.87        | 15.59       | 7.69        | 45.8       | 233      | 15.7       | 8.4        | 268      | 2.16      | 5.1        | 1.9        | 3.4        | 1.6        | 37.7       | 0.19        | 0.52        | 0.15        | 31       | 0.44      |
| 11TB0894A | Soil                             | 1.05        | 10.25       | 4.38        | 30.0       | 127      | 9.4        | 3.6        | 121      | 1.44      | 2.7        | 1.2        | 2.3        | 0.6        | 44.7       | 0.19        | 0.41        | 0.08        | 15       | 0.50      |



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Project: Mariposa  
Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11TB0865A | Soil                             | 5.7    | 16.2   | 0.43   | 198.5  | 0.044  | 2      | 1.16   | 0.016  | 0.10   | <0.1   | 2.3    | 0.06   | 0.09   | 117    | 0.4    | 0.03   |
| 11TB0866A | Soil                             | 15.9   | 24.6   | 0.63   | 286.8  | 0.060  | 3      | 1.77   | 0.021  | 0.08   | 0.1    | 4.3    | 0.07   | 0.10   | 106    | 0.4    | <0.02  |
| 11TB0867A | Soil                             | 6.3    | 17.9   | 0.40   | 158.6  | 0.078  | 1      | 1.31   | 0.016  | 0.07   | <0.1   | 1.9    | 0.06   | <0.02  | 37     | <0.1   | <0.02  |
| 11TB0868A | Soil                             | 5.0    | 17.4   | 0.45   | 533.3  | 0.060  | 3      | 1.31   | 0.015  | 0.12   | <0.1   | 1.7    | 0.06   | 0.05   | 64     | 0.2    | 0.05   |
| 11TB0869A | Soil                             | 6.6    | 20.9   | 0.40   | 439.5  | 0.053  | 2      | 1.28   | 0.014  | 0.12   | 0.1    | 1.9    | 0.08   | 0.04   | 65     | 0.2    | 0.07   |
| 11TB0870A | Soil                             | 5.6    | 18.5   | 0.40   | 697.7  | 0.045  | 4      | 1.27   | 0.016  | 0.13   | <0.1   | 1.5    | 0.07   | 0.05   | 61     | <0.1   | 0.04   |
| 11TB0871A | Soil                             | 3.9    | 12.5   | 0.25   | 862.2  | 0.032  | 3      | 0.70   | 0.018  | 0.10   | <0.1   | 1.1    | 0.08   | 0.08   | 156    | 0.3    | 0.03   |
| 11TB0872A | Soil                             | 5.6    | 17.9   | 0.41   | 1067   | 0.053  | 3      | 1.18   | 0.019  | 0.14   | 0.1    | 1.5    | 0.09   | 0.06   | 102    | 0.2    | 0.03   |
| 11TB0873A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0874A | Soil                             | 46.2   | 25.5   | 0.36   | 926.8  | 0.027  | 2      | 1.49   | 0.015  | 0.08   | <0.1   | 3.4    | 0.09   | 0.13   | 132    | 0.7    | 0.05   |
| 11TB0875A | Soil                             | 12.7   | 13.7   | 0.12   | 235.0  | 0.017  | <1     | 0.87   | 0.015  | 0.08   | <0.1   | 0.7    | 0.05   | 0.06   | 69     | <0.1   | 0.04   |
| 11TB0876A | Soil                             | 12.2   | 9.7    | 0.10   | 240.0  | 0.007  | 2      | 0.48   | 0.016  | 0.08   | <0.1   | 0.3    | 0.04   | 0.06   | 71     | 0.3    | 0.02   |
| 11TB0877A | Soil                             | 41.8   | 8.5    | 0.12   | 532.0  | 0.006  | 2      | 0.62   | 0.016  | 0.08   | <0.1   | 0.4    | 0.04   | 0.09   | 144    | 0.2    | 0.03   |
| 11TB0878A | Soil                             | 10.9   | 8.0    | 0.07   | 432.5  | 0.007  | <1     | 0.47   | 0.018  | 0.07   | <0.1   | 0.3    | 0.04   | 0.07   | 130    | 0.2    | 0.04   |
| 11TB0879A | Soil                             | 43.2   | 13.1   | 0.15   | 371.1  | 0.015  | 2      | 0.96   | 0.017  | 0.05   | <0.1   | 1.5    | 0.06   | 0.11   | 119    | <0.1   | 0.02   |
| 11TB0880A | Soil                             | 22.7   | 14.4   | 0.19   | 247.0  | 0.032  | 2      | 0.79   | 0.012  | 0.06   | <0.1   | 1.8    | 0.07   | 0.08   | 65     | 0.2    | 0.07   |
| 11TB0881A | Soil                             | 27.9   | 13.9   | 0.16   | 308.6  | 0.027  | 2      | 0.69   | 0.014  | 0.06   | 0.1    | 1.7    | 0.06   | 0.11   | 87     | 0.1    | 0.02   |
| 11TB0882A | Soil                             | 120.0  | 15.5   | 0.19   | 615.6  | 0.014  | 2      | 1.27   | 0.014  | 0.08   | <0.1   | 1.4    | 0.06   | 0.09   | 128    | <0.1   | 0.03   |
| 11TB0883A | Soil                             | 16.5   | 16.3   | 0.30   | 359.0  | 0.032  | 2      | 1.16   | 0.012  | 0.06   | 0.1    | 2.6    | 0.09   | 0.10   | 65     | 0.4    | 0.07   |
| 11TB0884A | Soil                             | 29.0   | 14.4   | 0.20   | 267.2  | 0.025  | 1      | 0.94   | 0.014  | 0.06   | 0.1    | 1.9    | 0.07   | 0.08   | 107    | 0.2    | 0.04   |
| 11TB0885A | Soil                             | 6.1    | 14.7   | 0.05   | 267.9  | 0.008  | <1     | 0.63   | 0.014  | 0.05   | <0.1   | 0.2    | 0.03   | 0.02   | 30     | <0.1   | 0.04   |
| 11TB0886A | Soil                             | 7.9    | 13.0   | 0.08   | 129.1  | 0.041  | <1     | 0.65   | 0.010  | 0.05   | <0.1   | 0.9    | 0.05   | 0.02   | 21     | <0.1   | 0.05   |
| 11TB0887A | Soil                             | 9.1    | 9.9    | 0.07   | 278.5  | 0.011  | 2      | 0.47   | 0.017  | 0.06   | <0.1   | 0.3    | 0.05   | 0.03   | 46     | <0.1   | <0.02  |
| 11TB0888A | Soil                             | 534.7  | 25.5   | 0.25   | 872.0  | 0.026  | 2      | 2.18   | 0.012  | 0.07   | 0.1    | 6.9    | 0.09   | 0.11   | 165    | <0.1   | 0.06   |
| 11TB0889A | Soil                             | 8.0    | 14.6   | 0.10   | 97.7   | 0.023  | <1     | 0.66   | 0.010  | 0.06   | <0.1   | 0.6    | 0.05   | 0.03   | 52     | <0.1   | 0.04   |
| 11TB0890A | Soil                             | 12.6   | 10.5   | 0.13   | 190.7  | 0.023  | 1      | 0.62   | 0.015  | 0.06   | 0.1    | 0.9    | 0.04   | 0.06   | 100    | <0.1   | <0.02  |
| 11TB0891A | Soil                             | 22.1   | 17.9   | 0.22   | 213.3  | 0.030  | 1      | 1.11   | 0.010  | 0.05   | 0.1    | 2.0    | 0.06   | 0.06   | 78     | 0.2    | 0.04   |
| 11TB0892A | Soil                             | 19.0   | 16.2   | 0.21   | 207.1  | 0.030  | 1      | 0.98   | 0.013  | 0.06   | 0.1    | 1.9    | 0.07   | 0.07   | 98     | 0.1    | <0.02  |
| 11TB0893A | Soil                             | 32.3   | 24.5   | 0.29   | 315.1  | 0.035  | 1      | 1.71   | 0.012  | 0.06   | 0.1    | 4.2    | 0.09   | 0.08   | 103    | 0.4    | 0.02   |
| 11TB0894A | Soil                             | 22.8   | 13.0   | 0.18   | 275.8  | 0.023  | 2      | 0.82   | 0.012  | 0.06   | 0.1    | 2.1    | 0.05   | 0.09   | 113    | 0.2    | 0.04   |



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Project: Mariposa  
Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11TB0895A | Soil                             | 0.63   | 9.11   | 2.55   | 15.6   | 307    | 5.8    | 3.1    | 44     | 0.58   | 1.4    | 0.6    | 1.9    | 0.5    | 31.8   | 0.61   | 0.14   | 0.05   | 9      | 0.32   |
| 11TB0896A | Soil                             | 1.11   | 9.29   | 4.60   | 32.0   | 58     | 10.6   | 3.9    | 107    | 1.34   | 2.1    | 0.9    | 1.6    | 1.1    | 19.5   | 0.13   | 0.22   | 0.13   | 25     | 0.21   |
| 11TB0897A | Soil                             | 0.98   | 14.29  | 6.40   | 80.2   | 118    | 15.7   | 12.8   | 2600   | 1.68   | 3.1    | 0.3    | 2.5    | 0.7    | 65.2   | 0.88   | 0.32   | 0.14   | 36     | 0.81   |
| 11TB0898A | Soil                             | 1.66   | 24.04  | 7.06   | 38.0   | 215    | 14.8   | 6.0    | 134    | 2.45   | 4.7    | 2.7    | 2.7    | 2.5    | 27.2   | 0.18   | 0.38   | 0.17   | 39     | 0.25   |
| 11TB0899A | Soil                             | 1.10   | 10.30  | 3.03   | 18.2   | 74     | 6.2    | 2.5    | 114    | 0.79   | 1.3    | 0.5    | 0.7    | 0.2    | 19.0   | 0.19   | 0.24   | 0.08   | 16     | 0.13   |
| 11TB0900A | Soil                             | 1.05   | 12.25  | 4.09   | 10.5   | 134    | 5.6    | 1.3    | 40     | 0.54   | 0.8    | 0.5    | 1.2    | <0.1   | 23.3   | 0.22   | 0.14   | 0.08   | 11     | 0.12   |
| 11TB0901A | Soil                             | 0.92   | 11.24  | 5.06   | 9.9    | 101    | 4.6    | 1.2    | 36     | 0.58   | 0.7    | 0.5    | 1.6    | <0.1   | 17.9   | 0.19   | 0.12   | 0.10   | 14     | 0.10   |
| 11TB0902A | Soil                             | 0.61   | 13.99  | 5.49   | 19.5   | 99     | 5.3    | 1.4    | 39     | 0.61   | 0.9    | 0.2    | 5.1    | <0.1   | 15.2   | 0.56   | 0.55   | 0.10   | 17     | 0.06   |
| 11TB0903A | Soil                             | 0.68   | 13.33  | 4.86   | 14.4   | 69     | 5.7    | 1.8    | 58     | 0.78   | 1.0    | 0.2    | 1.8    | <0.1   | 16.6   | 0.45   | 0.22   | 0.12   | 23     | 0.09   |
| 11TB0904A | Soil                             | 0.55   | 12.19  | 6.18   | 19.3   | 84     | 5.8    | 2.4    | 72     | 1.05   | 2.2    | 0.3    | 1.8    | 0.1    | 19.3   | 0.16   | 0.15   | 0.15   | 32     | 0.13   |
| 11TB0905A | Soil                             | 0.85   | 14.36  | 5.41   | 37.5   | 163    | 14.6   | 4.5    | 153    | 1.52   | 2.8    | 2.3    | 3.5    | 3.6    | 52.8   | 0.16   | 0.41   | 0.12   | 26     | 0.73   |
| 11TB0906A | Soil                             | 0.87   | 15.34  | 5.09   | 30.9   | 97     | 12.3   | 4.8    | 135    | 1.43   | 2.5    | 1.8    | 1.2    | 1.2    | 32.8   | 0.19   | 0.39   | 0.09   | 22     | 0.39   |
| 11TB0907A | Soil                             | 0.69   | 10.57  | 4.28   | 25.7   | 128    | 8.9    | 3.3    | 89     | 1.28   | 2.9    | 1.3    | 0.9    | 1.0    | 25.5   | 0.09   | 0.26   | 0.10   | 24     | 0.27   |
| 11TB0908A | Soil                             | 0.77   | 18.21  | 5.99   | 35.7   | 211    | 12.3   | 4.9    | 115    | 1.50   | 3.4    | 2.0    | 2.1    | 1.3    | 28.1   | 0.24   | 0.29   | 0.10   | 25     | 0.31   |
| 11TB0909A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0910A | Soil                             | 1.24   | 13.08  | 8.23   | 53.4   | 210    | 13.1   | 10.3   | 2230   | 1.86   | 3.2    | 0.5    | 0.7    | 1.4    | 32.8   | 0.35   | 0.31   | 0.16   | 43     | 0.40   |
| 11TB0911A | Soil                             | 0.82   | 10.03  | 6.42   | 23.5   | 58     | 5.2    | 2.0    | 99     | 1.09   | 1.9    | 0.6    | 1.3    | <0.1   | 16.8   | 0.28   | 0.19   | 0.16   | 27     | 0.13   |
| 11TB0912A | Soil                             | 0.96   | 9.68   | 7.68   | 34.5   | 215    | 8.0    | 6.9    | 3667   | 0.82   | 0.7    | 0.5    | 0.6    | 0.2    | 37.7   | 0.49   | 0.25   | 0.08   | 18     | 0.41   |
| 11TB0913A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0914A | Soil                             | 3.09   | 22.23  | 8.06   | 44.8   | 439    | 9.9    | 4.6    | 956    | 1.03   | 1.2    | 0.4    | 2.7    | <0.1   | 35.3   | 1.14   | 0.29   | 0.13   | 29     | 0.40   |
| 11TB0915A | Soil                             | 1.94   | 16.97  | 5.15   | 40.1   | 1613   | 8.7    | 2.3    | 89     | 0.65   | 1.3    | 0.6    | 7.1    | <0.1   | 48.3   | 1.06   | 0.18   | 0.08   | 13     | 0.67   |
| 11TB0916A | Soil                             | 1.83   | 64.49  | 15.83  | 73.0   | 1075   | 18.2   | 7.1    | 547    | 1.72   | 3.0    | 1.3    | 3.3    | 1.3    | 44.4   | 2.17   | 0.32   | 0.21   | 33     | 0.47   |
| 11TB0917A | Soil                             | 2.22   | 36.31  | 19.97  | 69.2   | 1150   | 15.6   | 6.6    | 516    | 2.05   | 2.4    | 1.2    | 15.6   | 1.0    | 30.7   | 0.66   | 0.37   | 0.22   | 42     | 0.35   |
| 11TB0918A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0919A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0920A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0921A | Soil                             | 11.57  | 91.49  | 8.70   | 66.9   | 1030   | 17.7   | 6.5    | 1059   | 1.94   | 3.5    | 4.6    | 58.4   | 3.4    | 104.2  | 0.73   | 0.70   | 0.34   | 23     | 2.66   |
| 11TB0922A | Soil                             | 4.58   | 50.41  | 16.65  | 51.5   | 1338   | 18.0   | 5.4    | 155    | 1.83   | 3.0    | 2.2    | 9.8    | 0.4    | 37.1   | 1.09   | 0.30   | 0.20   | 26     | 0.37   |
| 11TB0923A | Soil                             | 3.08   | 61.44  | 11.82  | 73.5   | 1090   | 18.9   | 4.6    | 373    | 2.01   | 2.5    | 1.3    | 4.5    | 0.7    | 31.4   | 1.47   | 0.41   | 0.22   | 40     | 0.38   |
| 11TB0924A | Soil                             | 3.79   | 14.74  | 4.28   | 20.8   | 431    | 7.0    | 2.2    | 54     | 0.72   | 1.9    | 0.5    | 19.1   | <0.1   | 24.3   | 0.44   | 0.23   | 0.11   | 17     | 0.15   |





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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11TB0895A | Soil                             | 8.2    | 7.1    | 0.08   | 180.0  | 0.017  | 1      | 0.44   | 0.011  | 0.04   | <0.1   | 1.6    | <0.02  | 0.12   | 91     | 0.3    | 0.02   |
| 11TB0896A | Soil                             | 13.7   | 20.0   | 0.21   | 138.1  | 0.021  | 2      | 0.81   | 0.009  | 0.06   | 0.1    | 1.4    | 0.07   | 0.06   | 60     | 0.1    | 0.08   |
| 11TB0897A | Soil                             | 12.4   | 16.4   | 0.31   | 845.5  | 0.035  | 4      | 0.95   | 0.012  | 0.11   | <0.1   | 1.4    | 0.07   | 0.06   | 69     | 0.3    | 0.09   |
| 11TB0898A | Soil                             | 48.0   | 25.0   | 0.28   | 269.1  | 0.048  | 2      | 1.89   | 0.009  | 0.08   | 0.2    | 4.0    | 0.08   | 0.07   | 108    | 0.3    | 0.05   |
| 11TB0899A | Soil                             | 10.8   | 8.8    | 0.10   | 170.5  | 0.019  | 2      | 0.51   | 0.016  | 0.07   | <0.1   | 0.8    | 0.10   | 0.05   | 141    | 0.2    | 0.03   |
| 11TB0900A | Soil                             | 7.9    | 7.5    | 0.05   | 207.7  | 0.009  | 1      | 0.49   | 0.014  | 0.05   | <0.1   | 0.3    | 0.03   | 0.06   | 78     | 0.4    | 0.04   |
| 11TB0901A | Soil                             | 8.5    | 9.2    | 0.05   | 164.0  | 0.011  | 1      | 0.53   | 0.012  | 0.04   | <0.1   | 0.4    | 0.04   | 0.05   | 56     | 0.1    | 0.05   |
| 11TB0902A | Soil                             | 4.6    | 9.6    | 0.06   | 192.0  | 0.005  | 2      | 0.46   | 0.024  | 0.04   | <0.1   | 0.2    | 0.04   | 0.04   | 69     | <0.1   | 0.03   |
| 11TB0903A | Soil                             | 4.3    | 10.1   | 0.06   | 240.4  | 0.005  | 1      | 0.49   | 0.012  | 0.04   | <0.1   | <0.1   | 0.04   | 0.03   | 52     | 0.1    | 0.03   |
| 11TB0904A | Soil                             | 6.8    | 13.6   | 0.14   | 175.1  | 0.031  | <1     | 0.78   | 0.009  | 0.03   | <0.1   | 0.8    | 0.06   | 0.03   | 29     | <0.1   | 0.04   |
| 11TB0905A | Soil                             | 110.3  | 18.3   | 0.28   | 423.3  | 0.035  | 3      | 1.22   | 0.014  | 0.06   | 0.1    | 3.7    | 0.08   | 0.10   | 91     | 0.2    | 0.07   |
| 11TB0906A | Soil                             | 75.0   | 14.2   | 0.20   | 302.0  | 0.031  | 2      | 1.04   | 0.011  | 0.06   | <0.1   | 2.4    | 0.06   | 0.09   | 95     | <0.1   | <0.02  |
| 11TB0907A | Soil                             | 39.2   | 15.8   | 0.15   | 210.0  | 0.026  | 1      | 0.87   | 0.010  | 0.05   | 0.2    | 1.6    | 0.05   | 0.07   | 63     | <0.1   | 0.05   |
| 11TB0908A | Soil                             | 46.8   | 16.2   | 0.21   | 277.7  | 0.022  | 2      | 0.97   | 0.011  | 0.05   | <0.1   | 2.1    | 0.04   | 0.09   | 73     | 0.1    | 0.05   |
| 11TB0909A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0910A | Soil                             | 8.8    | 19.3   | 0.28   | 391.6  | 0.044  | <1     | 1.07   | 0.013  | 0.08   | <0.1   | 1.8    | 0.08   | 0.02   | 37     | <0.1   | 0.05   |
| 11TB0911A | Soil                             | 11.0   | 12.7   | 0.09   | 190.3  | 0.016  | <1     | 0.74   | 0.010  | 0.05   | <0.1   | 0.4    | 0.05   | 0.02   | 31     | 0.1    | 0.07   |
| 11TB0912A | Soil                             | 5.1    | 10.9   | 0.14   | 630.1  | 0.019  | 1      | 0.60   | 0.014  | 0.10   | <0.1   | 0.8    | 0.07   | 0.05   | 82     | 0.7    | <0.02  |
| 11TB0913A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0914A | Soil                             | 8.8    | 12.7   | 0.09   | 266.5  | 0.013  | 1      | 0.51   | 0.014  | 0.08   | <0.1   | 0.4    | 0.03   | 0.03   | 26     | 0.3    | 0.04   |
| 11TB0915A | Soil                             | 11.3   | 9.1    | 0.13   | 363.7  | 0.016  | 2      | 0.46   | 0.014  | 0.09   | <0.1   | 0.5    | 0.05   | 0.10   | 128    | 0.2    | 0.04   |
| 11TB0916A | Soil                             | 39.3   | 15.7   | 0.19   | 384.9  | 0.040  | 2      | 1.08   | 0.015  | 0.09   | <0.1   | 2.7    | 0.07   | 0.05   | 69     | 0.1    | 0.07   |
| 11TB0917A | Soil                             | 36.0   | 22.8   | 0.31   | 490.8  | 0.045  | 2      | 1.54   | 0.016  | 0.11   | 0.1    | 2.6    | 0.14   | 0.03   | 58     | <0.1   | 0.11   |
| 11TB0918A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0919A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0920A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0921A | Soil                             | 116.5  | 16.9   | 0.24   | 1207   | 0.019  | 4      | 1.49   | 0.011  | 0.06   | 0.2    | 4.7    | 0.05   | 0.19   | 137    | 1.1    | 0.03   |
| 11TB0922A | Soil                             | 59.2   | 19.3   | 0.20   | 731.5  | 0.024  | <1     | 1.28   | 0.011  | 0.09   | 0.1    | 1.6    | 0.07   | 0.09   | 93     | 0.4    | 0.03   |
| 11TB0923A | Soil                             | 55.3   | 16.8   | 0.23   | 484.7  | 0.029  | <1     | 1.10   | 0.017  | 0.08   | <0.1   | 2.0    | 0.06   | 0.03   | 39     | 0.1    | 0.08   |
| 11TB0924A | Soil                             | 5.8    | 10.6   | 0.08   | 216.6  | 0.009  | 1      | 0.49   | 0.011  | 0.06   | <0.1   | 0.3    | 0.05   | 0.06   | 73     | <0.1   | 0.04   |



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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte | Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|-------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                   |             | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      |
|           |                   |             | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                   |             | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      |
| 11TB0925A | Soil              |             | 1.05   | 22.06  | 9.61   | 72.5   | 316    | 15.7   | 3.3    | 985    | 0.82   | 1.5    | 0.3    | 0.8    | <0.1   | 61.0   | 2.15   | 0.27   | 0.11   | 19     |
| 11TB0926A | Soil              |             | 1.37   | 15.44  | 3.76   | 25.0   | 435    | 8.3    | 2.4    | 130    | 0.67   | 1.2    | 0.3    | <0.2   | <0.1   | 25.4   | 0.81   | 0.24   | 0.09   | 17     |
| 11TB0927A | Soil              |             | 1.16   | 15.70  | 4.67   | 30.2   | 348    | 9.2    | 2.8    | 166    | 0.88   | 1.6    | 0.3    | 1.2    | <0.1   | 19.0   | 0.65   | 0.33   | 0.11   | 22     |
| 11TB0928A | Soil              |             | 1.26   | 26.55  | 7.00   | 26.4   | 206    | 11.3   | 2.9    | 164    | 1.18   | 1.8    | 1.1    | 0.9    | 0.2    | 15.6   | 0.68   | 0.30   | 0.15   | 29     |
| 11TB0929A | Soil              |             | 0.90   | 15.28  | 7.19   | 38.5   | 246    | 14.7   | 8.5    | 313    | 1.74   | 1.9    | 2.4    | 6.9    | 1.5    | 38.3   | 0.26   | 0.27   | 0.15   | 18     |
| 11TB0930A | Soil              |             | 2.32   | 23.56  | 8.03   | 40.7   | 416    | 13.5   | 5.5    | 140    | 2.03   | 5.0    | 2.0    | 4.5    | 0.9    | 32.9   | 0.25   | 0.34   | 0.15   | 30     |
| 11TB0931A | Soil              |             | 2.40   | 15.42  | 6.60   | 26.4   | 264    | 8.1    | 3.4    | 101    | 1.74   | 3.3    | 1.6    | 2.4    | 0.3    | 25.5   | 0.13   | 0.26   | 0.10   | 21     |
| 11TB0932A | Soil              |             | 0.98   | 10.81  | 7.56   | 37.1   | 117    | 9.7    | 3.2    | 97     | 1.47   | 3.1    | 0.9    | 6.7    | 1.9    | 22.7   | 0.13   | 0.20   | 0.11   | 20     |
| 11TB0933A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0934A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0935A | Soil              |             | 1.14   | 10.14  | 7.93   | 34.2   | 193    | 8.6    | 3.2    | 88     | 1.57   | 3.5    | 1.0    | 3.4    | 0.8    | 21.5   | 0.11   | 0.22   | 0.10   | 22     |
| 11TB0936A | Soil              |             | 1.36   | 23.95  | 8.74   | 38.2   | 314    | 14.8   | 6.8    | 217    | 2.03   | 3.8    | 2.0    | 1.3    | 1.0    | 37.1   | 0.33   | 0.32   | 0.10   | 25     |
| 11TB0937A | Soil              |             | 1.28   | 17.29  | 6.81   | 38.1   | 169    | 11.8   | 4.9    | 142    | 1.94   | 4.4    | 1.3    | 1.6    | 1.1    | 26.6   | 0.20   | 0.31   | 0.11   | 35     |
| 11TB0938A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0939A | Soil              |             | 1.42   | 17.48  | 7.27   | 23.2   | 131    | 10.9   | 3.4    | 114    | 1.20   | 3.0    | 1.3    | 4.2    | 0.7    | 22.2   | 0.44   | 0.33   | 0.25   | 26     |
| 11TB0940A | Soil              |             | 1.13   | 19.05  | 8.44   | 33.2   | 187    | 12.6   | 6.0    | 138    | 1.62   | 3.6    | 1.6    | 4.8    | 0.9    | 30.2   | 0.59   | 0.48   | 0.22   | 26     |
| 11TB0941A | Soil              |             | 1.04   | 20.86  | 6.79   | 28.0   | 269    | 11.1   | 5.2    | 101    | 1.32   | 3.2    | 1.7    | 3.2    | 0.9    | 27.3   | 0.56   | 0.36   | 0.16   | 22     |
| 11TB0942A | Soil              |             | 1.16   | 47.43  | 9.96   | 26.2   | 506    | 19.8   | 4.8    | 105    | 1.33   | 2.3    | 3.3    | 2.4    | 0.3    | 34.5   | 0.82   | 0.29   | 0.19   | 16     |
| 11TB0943A | Soil              |             | 1.01   | 25.88  | 8.96   | 35.4   | 627    | 11.1   | 3.8    | 213    | 1.05   | 2.5    | 0.7    | 2.7    | <0.1   | 25.7   | 0.71   | 0.21   | 0.17   | 24     |
| 11TB0944A | Soil              |             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0945A | Soil              |             | 0.99   | 23.39  | 8.85   | 21.5   | 166    | 7.8    | 2.2    | 38     | 0.97   | 1.8    | 2.1    | <0.2   | 0.2    | 20.9   | 0.59   | 0.17   | 0.12   | 15     |
| 11TB0946A | Soil              |             | 2.19   | 21.87  | 7.51   | 27.9   | 931    | 10.2   | 3.6    | 83     | 0.97   | 1.7    | 1.9    | 2.1    | 0.1    | 35.7   | 0.91   | 0.29   | 0.12   | 11     |
| 11CB0802A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0803A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0804A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0805A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0806A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0807A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0808A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0809A | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11TB0925A | Soil                             | 6.5    | 11.4   | 0.15   | 426.9  | 0.004  | <1     | 0.47   | 0.015  | 0.08   | <0.1   | 0.2    | 0.04   | 0.05   | 82     | 0.2    | 0.07   |
| 11TB0926A | Soil                             | 4.8    | 9.9    | 0.07   | 256.7  | 0.005  | <1     | 0.37   | 0.014  | 0.08   | <0.1   | 0.2    | 0.04   | 0.06   | 114    | <0.1   | 0.07   |
| 11TB0927A | Soil                             | 8.0    | 10.0   | 0.10   | 229.6  | 0.017  | 1      | 0.52   | 0.014  | 0.06   | 0.1    | 0.6    | 0.05   | 0.04   | 68     | <0.1   | 0.04   |
| 11TB0928A | Soil                             | 43.4   | 13.6   | 0.08   | 245.1  | 0.018  | <1     | 0.54   | 0.016  | 0.06   | <0.1   | 0.7    | 0.05   | 0.02   | 31     | <0.1   | 0.06   |
| 11TB0929A | Soil                             | 57.5   | 20.7   | 0.27   | 420.4  | 0.026  | <1     | 1.47   | 0.009  | 0.05   | <0.1   | 3.3    | 0.11   | 0.09   | 66     | 0.2    | 0.04   |
| 11TB0930A | Soil                             | 24.3   | 18.6   | 0.27   | 309.0  | 0.025  | 1      | 1.13   | 0.010  | 0.05   | 0.1    | 2.1    | 0.08   | 0.11   | 89     | 0.6    | 0.09   |
| 11TB0931A | Soil                             | 17.6   | 14.8   | 0.15   | 203.5  | 0.015  | <1     | 0.71   | 0.010  | 0.04   | <0.1   | 1.1    | 0.06   | 0.10   | 88     | <0.1   | <0.02  |
| 11TB0932A | Soil                             | 14.3   | 20.2   | 0.28   | 152.1  | 0.034  | <1     | 1.05   | 0.010  | 0.04   | 0.1    | 2.2    | 0.09   | 0.05   | 40     | 0.2    | 0.08   |
| 11TB0933A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0934A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0935A | Soil                             | 14.8   | 18.2   | 0.24   | 172.4  | 0.033  | 1      | 1.12   | 0.012  | 0.05   | 0.1    | 1.7    | 0.11   | 0.06   | 77     | 0.2    | 0.05   |
| 11TB0936A | Soil                             | 50.7   | 18.7   | 0.25   | 346.9  | 0.030  | 2      | 1.25   | 0.015  | 0.05   | <0.1   | 2.9    | 0.07   | 0.10   | 113    | 0.3    | 0.04   |
| 11TB0937A | Soil                             | 23.6   | 21.7   | 0.26   | 219.1  | 0.033  | 2      | 1.33   | 0.014  | 0.06   | 0.1    | 2.4    | 0.08   | 0.07   | 67     | 0.4    | 0.03   |
| 11TB0938A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0939A | Soil                             | 33.5   | 13.7   | 0.11   | 206.7  | 0.032  | 2      | 0.92   | 0.010  | 0.07   | 0.1    | 1.8    | 0.09   | 0.09   | 112    | 0.4    | 0.06   |
| 11TB0940A | Soil                             | 50.1   | 15.5   | 0.23   | 299.5  | 0.035  | 2      | 1.15   | 0.010  | 0.06   | 0.2    | 2.6    | 0.10   | 0.07   | 106    | 0.6    | 0.04   |
| 11TB0941A | Soil                             | 46.2   | 13.8   | 0.16   | 286.0  | 0.028  | 1      | 0.99   | 0.011  | 0.05   | 0.1    | 2.0    | 0.06   | 0.08   | 104    | 0.5    | 0.04   |
| 11TB0942A | Soil                             | 56.0   | 12.1   | 0.13   | 410.6  | 0.010  | 2      | 0.96   | 0.014  | 0.06   | <0.1   | 0.6    | 0.05   | 0.07   | 159    | 0.4    | 0.03   |
| 11TB0943A | Soil                             | 10.8   | 11.5   | 0.11   | 203.7  | 0.014  | <1     | 0.64   | 0.012  | 0.07   | <0.1   | 0.5    | 0.08   | 0.05   | 104    | 0.3    | 0.02   |
| 11TB0944A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0945A | Soil                             | 18.6   | 15.8   | 0.09   | 225.5  | 0.012  | <1     | 0.78   | 0.012  | 0.04   | <0.1   | 0.5    | 0.07   | 0.05   | 70     | 0.3    | 0.03   |
| 11TB0946A | Soil                             | 27.8   | 8.6    | 0.09   | 300.8  | 0.009  | 1      | 0.64   | 0.012  | 0.05   | <0.1   | 0.8    | 0.04   | 0.10   | 198    | 0.6    | 0.03   |
| 11CB0802A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0803A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0804A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0805A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0806A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0807A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0808A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0809A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

**Page:** 9 of 15 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11CB0810A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0811A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0812A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0813A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0814A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0815A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0816A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0817A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0818A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0819A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0820A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0821A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0822A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0823A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0824A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0825A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0826A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0827A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0828A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0829A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0830A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0831A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0832A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0833A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0834A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0835A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0836A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0837A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0838A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0839A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB0810A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0811A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0812A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0813A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0814A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0815A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0816A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0817A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0818A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0819A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0820A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0821A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0822A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0823A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0824A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0825A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0826A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0827A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0828A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0829A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0830A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0831A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0832A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0833A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0834A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0835A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0836A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0837A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0838A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0839A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11CB0840A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0841A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0842A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0843A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0844A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0845A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0846A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0847A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0848A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0849A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0850A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0851A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0852A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0853A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0854A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0855A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0856A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0857A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0858A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0859A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0860A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0861A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0862A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0863A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0864A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0865A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0866A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0867A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0868A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0869A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB0840A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0841A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0842A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0843A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0844A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0845A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0846A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0847A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0848A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0849A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0850A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0851A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0852A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0853A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0854A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0855A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0856A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0857A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0858A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0859A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0860A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0861A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0862A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0863A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0864A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0865A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0866A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0867A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0868A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0869A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11CB0870A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0871A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0872A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0873A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0874A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0875A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0876A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0877A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0878A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0879A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0880A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0881A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0882A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0883A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0884A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0885A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0886A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0887A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0888A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0889A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0890A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0891A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0892A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0893A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0894A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0895A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0896A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0897A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0898A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0899A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |





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**Project:** Mariposa  
**Report Date:** November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB0870A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0871A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0872A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0873A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0874A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0875A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0876A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0877A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0878A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0879A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0880A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0881A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0882A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0883A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0884A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0885A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0886A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0887A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0888A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0889A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0890A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0891A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0892A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0893A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0894A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0895A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0896A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0897A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0898A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0899A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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Project: Mariposa  
Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11CB0900A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0901A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0902A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0903A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0904A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0905A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0906A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0907A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0908A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0909A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0101A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0102A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0103A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0104A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0105A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0106A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0107A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0108A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0109A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0110A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0111A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0112A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0113A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0114A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0115A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0116A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0117A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0118A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0119A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0120A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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Project: Mariposa  
Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB0900A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0901A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0902A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0903A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0904A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0905A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0906A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0907A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0908A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0909A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0101A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0102A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0103A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0104A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0105A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0106A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0107A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0108A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0109A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0110A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0111A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0112A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0113A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0114A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0115A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0116A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0117A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0118A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0119A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0120A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11AN0121A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0122A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0123A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0124A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0125A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0126A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0127A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0128A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0129A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0130A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0131A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0132A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0133A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0134A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0135A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0136A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0137A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0138A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0139A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0140A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0141A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0142A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0143A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0144A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0145A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0146A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0147A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0148A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0149A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0150A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11AN0121A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0122A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0123A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0124A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0125A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0126A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0127A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0128A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0129A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0130A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0131A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0132A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0133A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0134A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0135A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0136A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0137A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0138A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0139A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0140A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0141A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0142A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0143A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0144A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0145A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0146A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0147A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0148A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0149A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0150A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11AN0151A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0152A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0153A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0154A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0155A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0156A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0157A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0158A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0159A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0160A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0161A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0162A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0163A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0164A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0165A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0166A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0167A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0168A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0169A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0170A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0171A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0172A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0173A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0174A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0175A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0176A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0177A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0178A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0179A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0180A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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**Project:** Mariposa  
**Report Date:** November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11AN0151A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0152A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0153A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0154A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0155A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0156A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0157A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0158A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0159A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0160A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0161A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0162A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0163A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0164A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0165A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0166A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0167A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0168A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0169A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0170A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0171A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0172A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0173A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0174A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0175A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0176A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0177A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0178A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0179A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0180A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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Project: Mariposa  
Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                 |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|                 |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|                 |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11AN0181A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0182A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0183A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0184A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0185A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0186A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0187A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0188A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0189A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0190A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0191A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0192A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0193A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0194A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0195A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0196A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0197A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0198A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0199A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0200A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 0948A           | Soil                             | 2.00   | 22.55  | 7.25   | 42.2   | 290    | 9.7    | 4.4    | 101    | 1.68   | 5.1    | 2.7    | 2.3    | 1.0    | 35.1   | 0.27   | 0.42   | 0.18   | 22     | 0.35   |
| 0953A           | Soil                             | 0.63   | 9.49   | 6.92   | 61.3   | 143    | 13.0   | 10.3   | 1646   | 2.19   | 2.8    | 0.3    | <0.2   | 1.3    | 56.4   | 0.16   | 0.24   | 0.28   | 47     | 0.90   |
| 0954A           | Soil                             | 0.98   | 10.04  | 7.65   | 28.7   | 90     | 8.3    | 4.0    | 166    | 1.66   | 4.3    | 0.2    | 1.9    | 0.4    | 15.1   | 0.17   | 0.35   | 0.19   | 45     | 0.14   |
| 0955A           | Soil                             | 0.91   | 17.04  | 6.16   | 23.5   | 350    | 6.1    | 2.2    | 64     | 1.08   | 1.8    | 0.3    | 1.4    | <0.1   | 27.9   | 0.39   | 0.19   | 0.17   | 24     | 0.14   |
| 0872A DUPLICATE | Soil                             | 0.64   | 9.13   | 5.34   | 12.0   | 75     | 4.4    | 1.7    | 31     | 0.59   | 1.3    | 0.3    | 2.1    | <0.1   | 16.9   | 0.44   | 0.17   | 0.16   | 15     | 0.06   |
| 11DS0846A       | Soil                             | 0.94   | 12.21  | 5.75   | 60.4   | 863    | 9.2    | 7.7    | 2188   | 1.34   | 2.2    | 0.5    | 5.2    | 0.3    | 84.1   | 0.41   | 0.24   | 0.09   | 27     | 0.91   |
| 11DS0874A       | Soil                             | 0.80   | 13.13  | 4.22   | 14.9   | 534    | 6.2    | 1.9    | 32     | 0.61   | 1.1    | 0.3    | 0.8    | <0.1   | 36.5   | 0.29   | 0.14   | 0.08   | 12     | 0.19   |





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Project: Mariposa  
Report Date: November 16, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001183.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                 |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|                 |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|                 |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11AN0181A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0182A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0183A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0184A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0185A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0186A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0187A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0188A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0189A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0190A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0191A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0192A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0193A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0194A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0195A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0196A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0197A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0198A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0199A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0200A       | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 0948A           | Soil                             | 33.4   | 15.0   | 0.22   | 267.9  | 0.018  | <1     | 1.09   | 0.011  | 0.04   | 0.1    | 2.4    | 0.07   | 0.09   | 105    | 0.4    | 0.02   |
| 0953A           | Soil                             | 6.3    | 21.1   | 0.43   | 464.3  | 0.053  | 3      | 1.54   | 0.012  | 0.13   | <0.1   | 2.8    | 0.07   | 0.04   | 53     | 0.1    | 0.06   |
| 0954A           | Soil                             | 5.8    | 16.5   | 0.20   | 139.3  | 0.032  | <1     | 1.01   | 0.010  | 0.04   | 0.1    | 1.1    | 0.09   | <0.02  | 37     | 0.2    | 0.05   |
| 0955A           | Soil                             | 4.1    | 10.0   | 0.13   | 114.2  | 0.017  | <1     | 0.68   | 0.015  | 0.04   | <0.1   | 0.5    | 0.05   | 0.05   | 75     | 0.3    | 0.03   |
| 0872A DUPLICATE | Soil                             | 3.5    | 9.2    | 0.05   | 193.1  | 0.011  | <1     | 0.42   | 0.017  | 0.04   | <0.1   | 0.4    | 0.04   | 0.04   | 67     | 0.5    | 0.04   |
| 11DS0846A       | Soil                             | 10.3   | 11.2   | 0.30   | 380.4  | 0.036  | 2      | 0.90   | 0.011  | 0.11   | 0.1    | 1.8    | 0.06   | 0.07   | 191    | 0.3    | 0.02   |
| 11DS0874A       | Soil                             | 3.3    | 11.0   | 0.05   | 161.6  | 0.004  | <1     | 0.64   | 0.015  | 0.04   | <0.1   | 0.4    | 0.03   | 0.08   | 113    | 0.4    | 0.03   |



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Project: Mariposa

Report Date: November 16, 2011

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## QUALITY CONTROL REPORT

WHI11001183.1

| Method<br>Analyte<br>Unit<br>MDL |          | 1F15  | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------------------------|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|------|-------|------|------|------|------|------|
|                                  |          | Mo    | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au    | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|                                  |          | ppm   | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|                                  |          | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2   | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| Pulp Duplicates                  |          |       |       |       |       |      |      |      |      |      |      |      |       |      |       |      |      |      |      |      |
| 11DS0819A                        | Soil     | I.S.  | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. |
| REP 11DS0819A                    | QC       | 0.91  | 16.94 | 9.89  | 19.6  | 136  | 8.0  | 2.9  | 42   | 1.08 | 2.0  | 0.6  | 2.7   | <0.1 | 9.4   | 0.23 | 0.30 | 0.20 | 26   | 0.03 |
| 11DS0835A                        | Soil     | 0.45  | 16.35 | 6.11  | 18.5  | 329  | 6.2  | 2.3  | 49   | 0.65 | 1.0  | 0.6  | 1.4   | <0.1 | 78.7  | 0.76 | 0.16 | 0.12 | 12   | 1.50 |
| REP 11DS0835A                    | QC       | 0.49  | 16.10 | 6.01  | 19.0  | 338  | 6.1  | 2.2  | 46   | 0.65 | 0.9  | 0.6  | 0.9   | <0.1 | 77.4  | 0.83 | 0.15 | 0.11 | 12   | 1.44 |
| 11DS0868A                        | Soil     | 0.88  | 13.12 | 8.07  | 36.5  | 198  | 9.2  | 8.8  | 528  | 1.64 | 2.6  | 1.1  | 7.3   | 0.2  | 70.1  | 0.23 | 0.32 | 0.09 | 32   | 0.91 |
| REP 11DS0868A                    | QC       | 0.93  | 12.63 | 9.77  | 34.3  | 219  | 7.8  | 7.9  | 529  | 1.63 | 2.9  | 1.1  | 3.0   | 0.2  | 70.4  | 0.24 | 0.30 | 0.10 | 33   | 0.92 |
| 11DS0886A                        | Soil     | 4.39  | 32.49 | 5.94  | 41.8  | 363  | 9.1  | 4.9  | 774  | 1.16 | 1.5  | 1.9  | 5.6   | 0.9  | 79.5  | 0.78 | 0.25 | 0.18 | 21   | 1.82 |
| REP 11DS0886A                    | QC       | 4.49  | 33.28 | 5.91  | 46.3  | 369  | 9.2  | 4.7  | 787  | 1.20 | 1.7  | 2.0  | 10.7  | 0.9  | 79.3  | 0.79 | 0.25 | 0.18 | 22   | 1.90 |
| 11DS0891A                        | Soil     | 1.43  | 28.93 | 7.12  | 43.8  | 568  | 14.2 | 5.1  | 315  | 1.46 | 4.0  | 10.3 | 6.0   | 0.7  | 98.8  | 0.64 | 0.44 | 0.20 | 21   | 2.80 |
| REP 11DS0891A                    | QC       | 1.45  | 27.96 | 7.62  | 46.1  | 565  | 13.3 | 5.1  | 317  | 1.46 | 4.2  | 10.1 | 3.0   | 0.6  | 100.0 | 0.68 | 0.37 | 0.17 | 22   | 2.80 |
| 11DS0910A                        | Soil     | 1.64  | 30.78 | 15.65 | 63.4  | 221  | 15.3 | 18.5 | 1026 | 2.22 | 4.1  | 3.9  | 2.2   | 1.7  | 89.2  | 0.46 | 0.57 | 0.18 | 34   | 0.99 |
| REP 11DS0910A                    | QC       | 1.63  | 31.64 | 15.80 | 68.6  | 226  | 16.9 | 18.2 | 1039 | 2.25 | 3.6  | 3.9  | 2.9   | 1.7  | 87.0  | 0.40 | 0.55 | 0.18 | 35   | 0.98 |
| 11TB0864A                        | Soil     | 0.77  | 10.45 | 5.83  | 27.8  | 232  | 6.5  | 3.1  | 103  | 1.29 | 1.7  | 0.2  | 0.3   | <0.1 | 50.5  | 0.38 | 0.20 | 0.11 | 38   | 0.31 |
| REP 11TB0864A                    | QC       | 0.73  | 9.66  | 5.59  | 25.8  | 249  | 6.1  | 3.0  | 99   | 1.25 | 1.5  | 0.2  | 1.1   | <0.1 | 48.6  | 0.38 | 0.18 | 0.11 | 36   | 0.28 |
| 11TB0891A                        | Soil     | 0.95  | 13.15 | 6.36  | 35.0  | 189  | 9.7  | 4.3  | 127  | 1.44 | 2.6  | 1.2  | 2.5   | 0.9  | 28.0  | 0.18 | 0.39 | 0.12 | 26   | 0.29 |
| REP 11TB0891A                    | QC       | 0.90  | 12.06 | 5.80  | 32.0  | 174  | 8.8  | 3.8  | 119  | 1.34 | 2.7  | 1.1  | 2.8   | 0.8  | 25.8  | 0.15 | 0.25 | 0.10 | 24   | 0.27 |
| 11TB0901A                        | Soil     | 0.92  | 11.24 | 5.06  | 9.9   | 101  | 4.6  | 1.2  | 36   | 0.58 | 0.7  | 0.5  | 1.6   | <0.1 | 17.9  | 0.19 | 0.12 | 0.10 | 14   | 0.10 |
| REP 11TB0901A                    | QC       | 0.90  | 11.88 | 5.09  | 10.7  | 103  | 5.2  | 1.5  | 38   | 0.62 | 0.7  | 0.5  | 0.7   | <0.1 | 18.6  | 0.18 | 0.14 | 0.10 | 15   | 0.10 |
| 11TB0929A                        | Soil     | 0.90  | 15.28 | 7.19  | 38.5  | 246  | 14.7 | 8.5  | 313  | 1.74 | 1.9  | 2.4  | 6.9   | 1.5  | 38.3  | 0.26 | 0.27 | 0.15 | 18   | 0.40 |
| REP 11TB0929A                    | QC       | 0.86  | 16.06 | 6.38  | 36.7  | 272  | 13.4 | 8.5  | 310  | 1.70 | 2.4  | 2.2  | 5.4   | 1.6  | 37.5  | 0.25 | 0.30 | 0.14 | 19   | 0.38 |
| 0953A                            | Soil     | 0.63  | 9.49  | 6.92  | 61.3  | 143  | 13.0 | 10.3 | 1646 | 2.19 | 2.8  | 0.3  | <0.2  | 1.3  | 56.4  | 0.16 | 0.24 | 0.28 | 47   | 0.90 |
| REP 0953A                        | QC       | 0.65  | 9.56  | 7.33  | 61.7  | 131  | 12.8 | 10.4 | 1675 | 2.26 | 2.9  | 0.3  | 2.4   | 1.4  | 59.0  | 0.18 | 0.25 | 0.13 | 48   | 0.90 |
| Reference Materials              |          |       |       |       |       |      |      |      |      |      |      |      |       |      |       |      |      |      |      |      |
| STD DS8                          | Standard | 13.73 | 108.1 | 120.7 | 304.0 | 1644 | 38.8 | 7.7  | 627  | 2.52 | 24.7 | 2.8  | 108.0 | 7.0  | 70.1  | 2.36 | 5.53 | 6.48 | 42   | 0.74 |
| STD DS8                          | Standard | 13.53 | 114.6 | 134.0 | 319.2 | 1886 | 38.9 | 7.9  | 623  | 2.56 | 25.5 | 3.0  | 125.6 | 7.0  | 68.3  | 2.47 | 6.00 | 6.96 | 41   | 0.74 |
| STD DS8                          | Standard | 12.68 | 106.2 | 126.7 | 314.7 | 1868 | 37.7 | 7.3  | 621  | 2.46 | 25.8 | 2.7  | 113.1 | 6.4  | 67.0  | 2.35 | 5.62 | 6.28 | 39   | 0.70 |
| STD DS8                          | Standard | 12.97 | 102.8 | 124.4 | 301.0 | 1761 | 36.3 | 7.3  | 595  | 2.39 | 24.4 | 2.9  | 111.1 | 7.3  | 70.0  | 2.34 | 5.93 | 7.18 | 39   | 0.70 |
| STD DS8                          | Standard | 13.64 | 108.9 | 120.2 | 325.6 | 1653 | 38.6 | 7.7  | 626  | 2.55 | 24.3 | 2.8  | 101.5 | 7.0  | 67.2  | 2.15 | 5.56 | 6.46 | 40   | 0.72 |



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Project: Mariposa

Report Date: November 16, 2011

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## QUALITY CONTROL REPORT

WHI11001183.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 |
|---------------------|----------------------------------|------|-------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|------|
|                     |                                  | La   | Cr    | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Tl   | S    | Hg   | Se   | Te    | Ga   |
|                     |                                  | ppm  | ppm   | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   | ppm  |
|                     |                                  | 0.5  | 0.5   | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  | 0.1  |
| Pulp Duplicates     |                                  |      |       |      |       |       |      |      |       |      |      |      |      |      |      |      |       |      |
| 11DS0819A           | Soil                             | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. |
| REP 11DS0819A       | QC                               | 6.8  | 15.0  | 0.05 | 123.3 | 0.013 | 2    | 0.62 | 0.012 | 0.04 | <0.1 | 0.4  | 0.04 | 0.04 | 76   | 0.3  | <0.02 | 2.9  |
| 11DS0835A           | Soil                             | 4.8  | 9.0   | 0.19 | 260.5 | 0.007 | 1    | 0.44 | 0.016 | 0.04 | <0.1 | 0.3  | 0.04 | 0.06 | 107  | 0.3  | <0.02 | 1.8  |
| REP 11DS0835A       | QC                               | 4.8  | 9.1   | 0.19 | 253.3 | 0.008 | 2    | 0.46 | 0.016 | 0.04 | <0.1 | 0.3  | 0.03 | 0.06 | 110  | 0.2  | 0.03  | 1.9  |
| 11DS0868A           | Soil                             | 14.2 | 14.6  | 0.25 | 296.5 | 0.023 | 2    | 1.28 | 0.014 | 0.04 | <0.1 | 1.8  | 0.06 | 0.13 | 156  | 0.4  | <0.02 | 3.6  |
| REP 11DS0868A       | QC                               | 14.1 | 14.0  | 0.25 | 286.1 | 0.024 | 3    | 1.29 | 0.013 | 0.04 | 0.1  | 1.8  | 0.06 | 0.12 | 127  | 0.1  | <0.02 | 3.5  |
| 11DS0886A           | Soil                             | 31.6 | 13.5  | 0.32 | 528.1 | 0.025 | 4    | 0.76 | 0.013 | 0.06 | <0.1 | 1.9  | 0.07 | 0.13 | 105  | 0.3  | <0.02 | 2.1  |
| REP 11DS0886A       | QC                               | 32.4 | 13.6  | 0.33 | 536.0 | 0.027 | 3    | 0.79 | 0.014 | 0.07 | <0.1 | 1.7  | 0.07 | 0.14 | 117  | <0.1 | 0.04  | 2.3  |
| 11DS0891A           | Soil                             | 64.1 | 16.7  | 0.27 | 440.4 | 0.019 | 4    | 1.34 | 0.009 | 0.05 | <0.1 | 2.4  | 0.06 | 0.16 | 133  | 0.4  | 0.06  | 2.9  |
| REP 11DS0891A       | QC                               | 64.2 | 15.5  | 0.27 | 438.7 | 0.019 | 4    | 1.36 | 0.010 | 0.06 | 0.1  | 2.4  | 0.06 | 0.16 | 129  | 0.3  | <0.02 | 3.0  |
| 11DS0910A           | Soil                             | 41.7 | 19.6  | 0.31 | 477.5 | 0.038 | 3    | 1.45 | 0.015 | 0.06 | <0.1 | 5.2  | 0.09 | 0.11 | 132  | 0.4  | <0.02 | 4.3  |
| REP 11DS0910A       | QC                               | 41.1 | 20.0  | 0.32 | 468.5 | 0.036 | 4    | 1.45 | 0.015 | 0.06 | 0.1  | 5.0  | 0.09 | 0.11 | 111  | 0.4  | <0.02 | 3.9  |
| 11TB0864A           | Soil                             | 4.3  | 10.6  | 0.17 | 166.1 | 0.027 | 1    | 0.90 | 0.016 | 0.06 | <0.1 | 0.7  | 0.04 | 0.05 | 66   | 0.3  | 0.02  | 5.1  |
| REP 11TB0864A       | QC                               | 4.2  | 10.4  | 0.16 | 159.0 | 0.023 | 1    | 0.89 | 0.015 | 0.06 | <0.1 | 0.7  | 0.04 | 0.05 | 72   | <0.1 | <0.02 | 4.7  |
| 11TB0891A           | Soil                             | 22.1 | 17.9  | 0.22 | 213.3 | 0.030 | 1    | 1.11 | 0.010 | 0.05 | 0.1  | 2.0  | 0.06 | 0.06 | 78   | 0.2  | 0.04  | 3.7  |
| REP 11TB0891A       | QC                               | 20.5 | 17.2  | 0.21 | 198.7 | 0.030 | 2    | 1.02 | 0.010 | 0.05 | <0.1 | 1.9  | 0.06 | 0.05 | 60   | 0.2  | <0.02 | 3.4  |
| 11TB0901A           | Soil                             | 8.5  | 9.2   | 0.05 | 164.0 | 0.011 | 1    | 0.53 | 0.012 | 0.04 | <0.1 | 0.4  | 0.04 | 0.05 | 56   | 0.1  | 0.05  | 2.6  |
| REP 11TB0901A       | QC                               | 8.9  | 9.5   | 0.06 | 169.7 | 0.013 | 2    | 0.58 | 0.013 | 0.04 | 0.1  | 0.5  | 0.05 | 0.05 | 55   | <0.1 | 0.05  | 2.9  |
| 11TB0929A           | Soil                             | 57.5 | 20.7  | 0.27 | 420.4 | 0.026 | <1   | 1.47 | 0.009 | 0.05 | <0.1 | 3.3  | 0.11 | 0.09 | 66   | 0.2  | 0.04  | 4.4  |
| REP 11TB0929A       | QC                               | 57.6 | 20.4  | 0.25 | 408.6 | 0.033 | <1   | 1.45 | 0.009 | 0.05 | <0.1 | 3.5  | 0.11 | 0.08 | 78   | <0.1 | 0.03  | 4.5  |
| 0953A               | Soil                             | 6.3  | 21.1  | 0.43 | 464.3 | 0.053 | 3    | 1.54 | 0.012 | 0.13 | <0.1 | 2.8  | 0.07 | 0.04 | 53   | 0.1  | 0.06  | 4.8  |
| REP 0953A           | QC                               | 6.4  | 21.7  | 0.43 | 475.6 | 0.054 | 2    | 1.57 | 0.012 | 0.13 | <0.1 | 3.0  | 0.09 | 0.04 | 48   | 0.3  | 0.03  | 4.9  |
| Reference Materials |                                  |      |       |      |       |       |      |      |       |      |      |      |      |      |      |      |       |      |
| STD DS8             | Standard                         | 17.1 | 113.9 | 0.63 | 295.0 | 0.119 | 3    | 0.95 | 0.090 | 0.43 | 3.0  | 2.3  | 5.19 | 0.17 | 166  | 4.8  | 5.08  | 4.7  |
| STD DS8             | Standard                         | 15.7 | 124.7 | 0.62 | 281.8 | 0.115 | 2    | 1.02 | 0.096 | 0.46 | 2.9  | 2.4  | 5.77 | 0.16 | 221  | 5.2  | 5.20  | 4.9  |
| STD DS8             | Standard                         | 14.1 | 122.6 | 0.62 | 288.2 | 0.104 | 4    | 0.92 | 0.100 | 0.43 | 3.0  | 2.0  | 5.60 | 0.16 | 190  | 5.2  | 4.96  | 4.8  |
| STD DS8             | Standard                         | 17.7 | 117.9 | 0.59 | 285.9 | 0.117 | 2    | 0.97 | 0.099 | 0.41 | 3.0  | 2.4  | 5.31 | 0.15 | 187  | 4.8  | 4.79  | 4.4  |
| STD DS8             | Standard                         | 15.8 | 120.3 | 0.60 | 265.0 | 0.114 | 3    | 0.91 | 0.095 | 0.41 | 3.0  | 2.0  | 5.25 | 0.17 | 155  | 5.3  | 5.38  | 5.0  |



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Project: Mariposa

Report Date: November 16, 2011

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## QUALITY CONTROL REPORT

WHI11001183.1

|                  |          | 1F15<br>Mo<br>ppm<br>0.01 | 1F15<br>Cu<br>ppm<br>0.01 | 1F15<br>Pb<br>ppm<br>0.01 | 1F15<br>Zn<br>ppm<br>0.1 | 1F15<br>Ag<br>ppb<br>2 | 1F15<br>Ni<br>ppm<br>0.1 | 1F15<br>Co<br>ppm<br>0.1 | 1F15<br>Mn<br>ppm<br>1 | 1F15<br>Fe<br>%<br>0.01 | 1F15<br>As<br>ppm<br>0.1 | 1F15<br>U<br>ppm<br>0.1 | 1F15<br>Au<br>ppb<br>0.2 | 1F15<br>Th<br>ppm<br>0.1 | 1F15<br>Sr<br>ppm<br>0.5 | 1F15<br>Cd<br>ppm<br>0.01 | 1F15<br>Sb<br>ppm<br>0.02 | 1F15<br>Bi<br>ppm<br>0.02 | 1F15<br>V<br>ppm<br>2 | 1F15<br>Ca<br>%<br>0.01 | 1F15<br>P<br>%<br>0.001 |
|------------------|----------|---------------------------|---------------------------|---------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-------------------------|
| STD DS8          | Standard | 11.47                     | 103.6                     | 123.0                     | 300.1                    | 1737                   | 36.3                     | 7.0                      | 567                    | 2.41                    | 24.1                     | 2.6                     | 110.0                    | 6.4                      | 60.1                     | 2.25                      | 5.16                      | 6.81                      | 43                    | 0.64                    | 0.078                   |
| STD DS8          | Standard | 13.96                     | 109.9                     | 120.7                     | 324.5                    | 1747                   | 37.6                     | 7.5                      | 598                    | 2.44                    | 24.4                     | 2.7                     | 102.7                    | 6.7                      | 68.4                     | 2.30                      | 5.35                      | 6.31                      | 40                    | 0.73                    | 0.077                   |
| STD DS8 Expected |          | 13.44                     | 110                       | 123                       | 312                      | 1690                   | 38.1                     | 7.5                      | 615                    | 2.46                    | 26                       | 2.8                     | 107                      | 6.89                     | 67.7                     | 2.38                      | 5.7                       | 6.67                      | 41.1                  | 0.7                     | 0.08                    |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | 7                      | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |



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Project: Mariposa

Report Date: November 16, 2011

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## QUALITY CONTROL REPORT

WHI11001183.1

|                  |          | 1F15<br>La<br>ppm<br>0.5 | 1F15<br>Cr<br>ppm<br>0.5 | 1F15<br>Mg<br>%<br>0.01 | 1F15<br>Ba<br>ppm<br>0.5 | 1F15<br>Ti<br>%<br>0.001 | 1F15<br>B<br>ppm<br>1 | 1F15<br>Al<br>%<br>0.01 | 1F15<br>Na<br>%<br>0.001 | 1F15<br>K<br>%<br>0.01 | 1F15<br>W<br>ppm<br>0.1 | 1F15<br>Sc<br>ppm<br>0.1 | 1F15<br>Ti<br>ppm<br>0.02 | 1F15<br>S<br>%<br>0.02 | 1F15<br>Hg<br>ppb<br>5 | 1F15<br>Se<br>ppm<br>0.1 | 1F15<br>Te<br>ppm<br>0.02 | 1F15<br>Ga<br>ppm<br>0.1 |
|------------------|----------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|
| STD DS8          | Standard | 12.9                     | 114.8                    | 0.58                    | 246.2                    | 0.101                    | 2                     | 0.88                    | 0.087                    | 0.40                   | 2.7                     | 2.0                      | 5.19                      | 0.16                   | 195                    | 4.7                      | 4.69                      | 4.2                      |
| STD DS8          | Standard | 16.8                     | 123.2                    | 0.60                    | 261.6                    | 0.115                    | 2                     | 0.98                    | 0.098                    | 0.45                   | 2.8                     | 2.5                      | 5.20                      | 0.15                   | 176                    | 5.0                      | 4.78                      | 4.5                      |
| STD DS8 Expected |          | 14.6                     | 115                      | 0.6045                  | 279                      | 0.113                    | 2.6                   | 0.93                    | 0.0883                   | 0.41                   | 3                       | 2.3                      | 5.4                       | 0.1679                 | 192                    | 5.23                     | 5                         | 4.7                      |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 22, 2011

Report Date: November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-22  
P.O. Number  
Number of Samples: 208

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 202               | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 202               | Dry at 60C                                            |              |               | WHI |
| RJSV        | 202               | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F02        | 199               | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: November 18, 2011

Page: 2 of 8 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11CB0802A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0803A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0804A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0805A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0806A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0807A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0808A | Soil                             | 1.13   | 21.84  | 12.84  | 26.8   | 143    | 8.4    | 2.9    | 91     | 1.30   | 2.7    | 1.2    | 4.8    | 0.3    | 16.2   | 0.33   | 0.21   | 0.16   | 22     | 0.10   |
| 11CB0809A | Soil                             | 1.21   | 13.04  | 6.95   | 19.8   | 401    | 7.3    | 3.7    | 52     | 1.08   | 2.0    | 0.9    | 1.4    | 0.2    | 57.9   | 0.25   | 0.30   | 0.10   | 17     | 0.91   |
| 11CB0810A | Soil                             | 1.37   | 10.97  | 5.56   | 15.9   | 184    | 6.6    | 1.9    | 49     | 0.80   | 1.3    | 0.5    | 0.6    | <0.1   | 33.9   | 0.29   | 0.24   | 0.07   | 12     | 0.27   |
| 11CB0811A | Soil                             | 0.99   | 13.08  | 6.70   | 20.4   | 356    | 6.8    | 2.3    | 51     | 1.09   | 1.4    | 0.9    | 1.5    | <0.1   | 59.3   | 0.29   | 0.28   | 0.08   | 13     | 0.74   |
| 11CB0812A | Soil                             | 0.91   | 19.44  | 7.89   | 24.1   | 412    | 7.6    | 2.3    | 74     | 0.93   | 1.1    | 0.9    | 0.5    | <0.1   | 41.4   | 0.38   | 0.17   | 0.08   | 14     | 0.35   |
| 11CB0813A | Soil                             | 0.66   | 15.74  | 7.58   | 45.4   | 342    | 10.7   | 5.6    | 160    | 1.72   | 2.9    | 1.0    | 2.1    | 0.1    | 58.9   | 0.17   | 0.23   | 0.11   | 36     | 0.58   |
| 11CB0814A | Soil                             | 1.32   | 9.28   | 5.53   | 28.6   | 118    | 7.3    | 4.6    | 479    | 0.88   | 0.5    | 0.7    | 1.2    | 0.4    | 89.9   | 0.25   | 0.39   | 0.06   | 15     | 1.10   |
| 11CB0815A | Soil                             | 1.58   | 9.23   | 5.34   | 31.0   | 110    | 6.7    | 9.7    | 866    | 1.03   | 1.4    | 0.7    | 4.1    | 0.3    | 87.5   | 0.22   | 0.37   | 0.06   | 18     | 1.08   |
| 11CB0816A | Soil                             | 0.41   | 16.13  | 33.38  | 40.0   | 132    | 8.3    | 3.0    | 1537   | 0.55   | 0.5    | 1.0    | 1.2    | 0.2    | 126.8  | 0.55   | 0.22   | 0.04   | 8      | 3.30   |
| 11CB0817A | Soil                             | 0.66   | 7.79   | 6.81   | 90.1   | 155    | 7.5    | 4.8    | 2005   | 1.14   | 2.1    | 0.2    | 0.6    | 0.3    | 81.0   | 0.77   | 0.24   | 0.13   | 32     | 1.02   |
| 11CB0818A | Soil                             | 0.75   | 7.42   | 7.15   | 42.7   | 537    | 8.9    | 8.4    | 1964   | 1.07   | 1.5    | 0.2    | <0.2   | 0.2    | 69.8   | 0.50   | 0.21   | 0.08   | 26     | 0.80   |
| 11CB0819A | Soil                             | 0.78   | 9.72   | 7.58   | 33.4   | 227    | 9.8    | 6.7    | 1122   | 1.61   | 1.9    | 0.2    | 0.9    | 0.2    | 80.2   | 0.69   | 0.31   | 0.17   | 42     | 0.69   |
| 11CB0820A | Soil                             | 1.00   | 8.80   | 7.38   | 57.7   | 243    | 11.0   | 9.7    | 2388   | 1.47   | 2.5    | 0.2    | <0.2   | 0.3    | 95.1   | 0.69   | 0.28   | 0.11   | 32     | 0.94   |
| 11CB0821A | Soil                             | 0.96   | 9.48   | 8.36   | 69.0   | 167    | 11.7   | 12.0   | 2815   | 1.83   | 2.5    | 0.2    | 0.6    | 0.4    | 91.0   | 0.70   | 0.30   | 0.14   | 40     | 0.94   |
| 11CB0822A | Soil                             | 1.40   | 14.01  | 6.35   | 39.0   | 484    | 8.2    | 4.9    | 338    | 0.89   | 1.2    | 0.3    | 0.6    | <0.1   | 61.2   | 0.81   | 0.26   | 0.08   | 20     | 0.54   |
| 11CB0823A | Soil                             | 1.43   | 13.50  | 8.52   | 66.9   | 332    | 12.4   | 9.2    | 2621   | 1.61   | 3.0    | 0.4    | 3.3    | 0.4    | 92.6   | 0.73   | 0.27   | 0.12   | 38     | 0.83   |
| 11CB0824A | Soil                             | 1.08   | 10.08  | 7.46   | 67.0   | 498    | 11.1   | 8.4    | 3240   | 1.69   | 2.0    | 0.2    | 0.7    | 0.6    | 73.7   | 0.70   | 0.24   | 0.11   | 42     | 0.84   |
| 11CB0825A | Soil                             | 1.24   | 15.49  | 5.60   | 26.3   | 462    | 7.6    | 5.7    | 1890   | 0.79   | 1.2    | 0.2    | <0.2   | <0.1   | 56.4   | 0.49   | 0.19   | 0.10   | 22     | 0.38   |
| 11CB0826A | Soil                             | 1.77   | 14.04  | 6.53   | 40.4   | 1204   | 11.8   | 15.2   | 2547   | 1.26   | 2.2    | 0.9    | 0.8    | 0.2    | 61.1   | 0.43   | 0.35   | 0.08   | 28     | 0.60   |
| 11CB0827A | Soil                             | 1.37   | 17.99  | 6.74   | 34.6   | 464    | 13.6   | 11.0   | 299    | 1.59   | 2.5    | 1.4    | 0.3    | 0.4    | 85.3   | 0.49   | 0.59   | 0.09   | 27     | 0.75   |
| 11CB0828A | Soil                             | 1.24   | 22.37  | 5.82   | 23.1   | 359    | 12.1   | 11.1   | 1102   | 1.44   | 4.0    | 2.3    | 3.3    | 0.6    | 185.1  | 0.35   | 0.65   | 0.07   | 32     | 2.12   |
| 11CB0829A | Soil                             | 1.31   | 26.86  | 7.13   | 32.2   | 498    | 16.7   | 17.1   | 1595   | 2.17   | 5.6    | 3.2    | 4.9    | 1.0    | 190.2  | 0.40   | 0.80   | 0.11   | 49     | 2.18   |
| 11CB0830A | Soil                             | 1.47   | 27.26  | 7.85   | 31.8   | 520    | 17.8   | 15.2   | 1306   | 2.19   | 6.2    | 3.1    | 4.1    | 1.0    | 184.5  | 0.37   | 0.79   | 0.11   | 49     | 2.09   |
| 11CB0831A | Soil                             | 0.91   | 13.95  | 8.40   | 47.8   | 607    | 11.0   | 11.8   | 2240   | 1.80   | 1.6    | 0.2    | <0.2   | 0.5    | 75.9   | 0.45   | 0.30   | 0.13   | 41     | 0.77   |



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Project: Mariposa  
Report Date: November 18, 2011

Page: 2 of 8 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB0802A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0803A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0804A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0805A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0806A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0807A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB0808A | Soil                             | 18.7   | 14.6   | 0.10   | 298.2  | 0.009  | 1      | 1.00   | 0.009  | 0.06   | <0.1   | 0.9    | 0.05   | 0.05   | 72     | 0.3    | 0.06   |
| 11CB0809A | Soil                             | 18.1   | 10.0   | 0.13   | 355.2  | 0.019  | 2      | 0.79   | 0.016  | 0.06   | <0.1   | 1.7    | 0.04   | 0.10   | 146    | 0.3    | 0.03   |
| 11CB0810A | Soil                             | 5.4    | 8.7    | 0.06   | 209.9  | 0.007  | 2      | 0.59   | 0.020  | 0.05   | <0.1   | 0.3    | 0.03   | 0.08   | 120    | 0.4    | <0.02  |
| 11CB0811A | Soil                             | 8.0    | 10.2   | 0.09   | 198.8  | 0.011  | 2      | 0.80   | 0.021  | 0.03   | <0.1   | 0.6    | 0.03   | 0.09   | 154    | 0.5    | 0.03   |
| 11CB0812A | Soil                             | 7.1    | 11.6   | 0.08   | 195.3  | 0.006  | 1      | 0.66   | 0.018  | 0.03   | <0.1   | 0.4    | 0.03   | 0.09   | 104    | 0.3    | 0.02   |
| 11CB0813A | Soil                             | 11.8   | 16.7   | 0.34   | 209.6  | 0.033  | 2      | 1.39   | 0.015  | 0.04   | <0.1   | 2.2    | 0.05   | 0.07   | 112    | 0.4    | 0.03   |
| 11CB0814A | Soil                             | 9.7    | 11.1   | 0.17   | 205.9  | 0.024  | 4      | 0.63   | 0.018  | 0.05   | <0.1   | 1.9    | 0.06   | 0.11   | 131    | 0.1    | <0.02  |
| 11CB0815A | Soil                             | 10.8   | 11.5   | 0.21   | 217.4  | 0.021  | 4      | 0.72   | 0.014  | 0.05   | <0.1   | 1.7    | 0.05   | 0.10   | 98     | 0.2    | <0.02  |
| 11CB0816A | Soil                             | 5.6    | 7.6    | 0.19   | 1477   | 0.010  | 6      | 0.36   | 0.023  | 0.03   | <0.1   | 1.3    | 0.03   | 0.16   | 114    | 0.5    | <0.02  |
| 11CB0817A | Soil                             | 4.3    | 12.6   | 0.21   | 542.4  | 0.042  | 2      | 0.61   | 0.013  | 0.07   | <0.1   | 1.0    | 0.08   | 0.04   | 117    | 0.2    | 0.02   |
| 11CB0818A | Soil                             | 2.8    | 13.0   | 0.19   | 356.4  | 0.035  | 2      | 0.57   | 0.014  | 0.09   | <0.1   | 0.9    | 0.07   | 0.07   | 137    | 0.6    | <0.02  |
| 11CB0819A | Soil                             | 5.3    | 14.6   | 0.20   | 418.0  | 0.042  | 1      | 0.77   | 0.014  | 0.06   | <0.1   | 1.2    | 0.06   | 0.03   | 80     | 0.2    | <0.02  |
| 11CB0820A | Soil                             | 3.7    | 15.7   | 0.28   | 599.7  | 0.036  | 2      | 0.86   | 0.014  | 0.09   | 0.1    | 1.1    | 0.09   | 0.07   | 159    | 0.2    | <0.02  |
| 11CB0821A | Soil                             | 4.3    | 17.3   | 0.34   | 625.1  | 0.042  | 2      | 1.03   | 0.013  | 0.10   | 0.1    | 1.3    | 0.10   | 0.06   | 159    | 0.3    | 0.02   |
| 11CB0822A | Soil                             | 4.4    | 10.8   | 0.12   | 379.9  | 0.024  | <1     | 0.45   | 0.014  | 0.06   | <0.1   | 0.9    | 0.04   | 0.04   | 114    | 0.7    | 0.05   |
| 11CB0823A | Soil                             | 8.4    | 18.4   | 0.31   | 474.8  | 0.044  | 2      | 0.91   | 0.012  | 0.15   | 0.2    | 1.7    | 0.07   | 0.05   | 126    | 0.4    | 0.06   |
| 11CB0824A | Soil                             | 5.0    | 16.0   | 0.35   | 446.7  | 0.066  | 3      | 0.86   | 0.015  | 0.10   | 0.1    | 1.7    | 0.08   | 0.04   | 93     | 0.2    | 0.03   |
| 11CB0825A | Soil                             | 4.3    | 11.9   | 0.12   | 367.5  | 0.022  | 1      | 0.42   | 0.018  | 0.08   | <0.1   | 0.5    | 0.07   | 0.04   | 114    | 0.4    | 0.03   |
| 11CB0826A | Soil                             | 16.3   | 14.4   | 0.28   | 453.0  | 0.034  | 2      | 0.83   | 0.015  | 0.12   | <0.1   | 2.7    | 0.07   | 0.10   | 169    | 0.6    | <0.02  |
| 11CB0827A | Soil                             | 16.8   | 14.3   | 0.28   | 323.6  | 0.032  | 2      | 0.91   | 0.015  | 0.11   | <0.1   | 2.9    | 0.04   | 0.10   | 195    | 0.4    | 0.07   |
| 11CB0828A | Soil                             | 37.9   | 14.9   | 0.30   | 259.7  | 0.030  | 3      | 1.17   | 0.017  | 0.05   | 0.1    | 4.5    | 0.05   | 0.16   | 124    | 0.4    | <0.02  |
| 11CB0829A | Soil                             | 46.6   | 20.2   | 0.37   | 307.7  | 0.039  | 3      | 1.69   | 0.015  | 0.06   | 0.1    | 6.2    | 0.06   | 0.15   | 161    | 0.8    | 0.05   |
| 11CB0830A | Soil                             | 44.0   | 22.8   | 0.37   | 291.8  | 0.044  | 3      | 1.77   | 0.012  | 0.06   | 0.2    | 6.4    | 0.06   | 0.15   | 165    | 0.6    | 0.04   |
| 11CB0831A | Soil                             | 4.1    | 14.7   | 0.32   | 365.4  | 0.059  | 2      | 0.87   | 0.016  | 0.10   | <0.1   | 1.7    | 0.07   | 0.05   | 94     | 0.3    | <0.02  |





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Project: Mariposa  
Report Date: November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11CB0832A | Soil                             | 1.22 | 18.89 | 6.74  | 36.7  | 440  | 13.7 | 12.9 | 1581 | 1.57 | 2.7  | 1.5  | 1.6  | 0.3  | 131.2 | 0.46 | 0.52 | 0.13 | 37   | 1.27 |
| 11CB0833A | Soil                             | 3.44 | 41.60 | 16.83 | 149.4 | 966  | 28.2 | 8.6  | 961  | 2.58 | 5.3  | 1.9  | 2.1  | 4.3  | 59.2  | 2.72 | 0.36 | 0.26 | 45   | 0.81 |
| 11CB0834A | Soil                             | 4.50 | 28.24 | 12.38 | 55.2  | 370  | 20.7 | 14.2 | 1375 | 2.10 | 4.1  | 3.1  | 8.7  | 2.4  | 90.6  | 0.62 | 0.59 | 0.14 | 33   | 1.44 |
| 11CB0835A | Soil                             | 2.34 | 14.21 | 8.43  | 42.1  | 255  | 9.2  | 4.0  | 233  | 1.13 | 1.8  | 0.7  | 3.5  | 1.5  | 50.4  | 0.25 | 0.20 | 0.11 | 21   | 0.65 |
| 11CB0836A | Soil                             | 3.50 | 11.42 | 8.02  | 41.0  | 113  | 8.9  | 5.1  | 222  | 1.41 | 2.3  | 0.8  | 4.1  | 1.7  | 40.0  | 0.16 | 0.21 | 0.11 | 24   | 0.53 |
| 11CB0837A | Soil                             | 1.92 | 11.20 | 7.12  | 31.9  | 215  | 7.7  | 3.3  | 104  | 1.55 | 2.6  | 1.2  | 1.6  | 0.9  | 30.1  | 0.17 | 0.18 | 0.11 | 17   | 0.37 |
| 11CB0838A | Soil                             | 1.35 | 35.14 | 8.41  | 120.6 | 268  | 17.0 | 5.8  | 2511 | 0.96 | 1.4  | 1.5  | 0.7  | 0.2  | 58.6  | 2.74 | 0.20 | 0.10 | 17   | 0.97 |
| 11CB0839A | Soil                             | 1.09 | 13.90 | 8.26  | 32.2  | 200  | 10.1 | 3.9  | 243  | 1.61 | 1.8  | 2.1  | 2.8  | 1.3  | 46.8  | 0.24 | 0.27 | 0.11 | 17   | 0.64 |
| 11CB0840A | Soil                             | 1.79 | 19.14 | 12.32 | 45.2  | 172  | 11.4 | 3.8  | 172  | 2.20 | 3.9  | 1.4  | 3.1  | 6.4  | 30.4  | 0.28 | 0.28 | 0.24 | 37   | 0.29 |
| 11CB0841A | Soil                             | 1.48 | 27.31 | 11.29 | 61.3  | 373  | 11.5 | 3.7  | 305  | 1.79 | 2.7  | 1.6  | 2.0  | 7.5  | 32.7  | 0.57 | 0.21 | 0.19 | 27   | 0.35 |
| 11CB0842A | Soil                             | 1.28 | 30.10 | 9.68  | 29.1  | 300  | 14.9 | 5.2  | 129  | 1.52 | 2.6  | 2.2  | 2.3  | 0.3  | 49.5  | 0.47 | 0.40 | 0.09 | 16   | 0.58 |
| 11CB0843A | Soil                             | 1.42 | 34.48 | 5.57  | 177.7 | 189  | 12.1 | 4.5  | 4045 | 0.96 | 1.3  | 0.2  | 6.8  | 0.1  | 28.6  | 1.82 | 0.29 | 0.12 | 29   | 0.19 |
| 11CB0844A | Soil                             | 0.82 | 23.22 | 6.83  | 22.2  | 168  | 8.8  | 2.0  | 73   | 0.95 | 2.1  | 0.5  | 1.6  | 0.1  | 10.2  | 0.41 | 0.29 | 0.19 | 27   | 0.08 |
| 11CB0845A | Soil                             | 0.84 | 17.54 | 6.72  | 39.1  | 224  | 11.9 | 2.8  | 330  | 0.79 | 1.6  | 0.2  | 0.8  | <0.1 | 28.5  | 1.01 | 0.26 | 0.14 | 21   | 0.26 |
| 11CB0846A | Soil                             | 0.66 | 18.90 | 6.79  | 32.5  | 237  | 8.8  | 2.3  | 428  | 0.76 | 1.6  | 0.5  | 0.8  | 0.1  | 23.9  | 0.74 | 0.21 | 0.12 | 17   | 0.28 |
| 11CB0847A | Soil                             | 1.08 | 38.95 | 10.97 | 72.2  | 593  | 25.3 | 9.7  | 1268 | 1.59 | 3.4  | 1.6  | 0.4  | 2.4  | 71.1  | 1.65 | 0.36 | 0.17 | 31   | 0.79 |
| 11CB0848A | Soil                             | 0.75 | 34.13 | 9.74  | 318.8 | 483  | 23.4 | 6.9  | 5645 | 1.41 | 3.3  | 1.1  | 0.3  | 2.3  | 145.5 | 2.29 | 0.24 | 0.12 | 25   | 3.68 |
| 11CB0849A | Soil                             | 0.94 | 17.66 | 9.37  | 41.6  | 269  | 24.3 | 13.4 | 458  | 2.13 | 4.1  | 2.7  | 1.8  | 2.6  | 69.0  | 0.38 | 0.46 | 0.16 | 36   | 0.88 |
| 11CB0850A | Soil                             | 0.71 | 20.62 | 9.76  | 44.8  | 182  | 19.5 | 8.0  | 377  | 1.81 | 3.9  | 3.5  | 2.5  | 2.7  | 57.5  | 0.33 | 0.47 | 0.16 | 30   | 0.85 |
| 11CB0851A | Soil                             | 0.80 | 13.73 | 5.55  | 19.4  | 98   | 10.2 | 2.1  | 66   | 0.82 | 1.4  | 1.4  | 0.6  | 1.0  | 42.7  | 0.20 | 0.24 | 0.10 | 14   | 0.58 |
| 11CB0852A | Soil                             | 0.90 | 15.45 | 8.95  | 46.7  | 138  | 14.4 | 7.3  | 321  | 1.78 | 4.4  | 2.3  | 1.4  | 2.9  | 33.6  | 0.20 | 0.31 | 0.15 | 38   | 0.48 |
| 11CB0853A | Soil                             | 0.94 | 36.60 | 10.45 | 29.4  | 281  | 23.1 | 6.7  | 184  | 1.34 | 2.0  | 4.7  | 0.4  | 0.4  | 48.4  | 0.83 | 0.37 | 0.09 | 17   | 0.55 |
| 11CB0854A | Soil                             | 0.93 | 31.87 | 11.56 | 33.6  | 204  | 18.4 | 5.8  | 128  | 1.33 | 2.8  | 4.3  | 0.7  | 0.5  | 41.8  | 0.46 | 0.27 | 0.09 | 19   | 0.47 |
| 11CB0855A | Soil                             | 1.10 | 15.12 | 3.90  | 25.4  | 150  | 9.4  | 2.0  | 258  | 0.57 | 1.1  | 2.7  | 0.7  | 0.5  | 132.3 | 0.41 | 0.21 | 0.05 | 8    | 1.76 |
| 11CB0856A | Soil                             | 0.35 | 15.38 | 4.29  | 39.9  | 63   | 11.2 | 6.1  | 306  | 1.66 | 2.9  | 0.6  | 0.8  | 1.2  | 74.9  | 0.19 | 0.20 | 0.06 | 36   | 2.68 |
| 11CB0857A | Soil                             | 0.91 | 11.27 | 6.61  | 52.8  | 199  | 11.1 | 8.9  | 4575 | 0.85 | 1.9  | 0.2  | <0.2 | <0.1 | 83.2  | 0.98 | 0.23 | 0.10 | 20   | 0.96 |
| 11CB0858A | Soil                             | 2.16 | 10.69 | 8.26  | 44.2  | 1056 | 6.9  | 9.4  | 6919 | 0.68 | 1.9  | 0.2  | 0.4  | <0.1 | 31.1  | 0.71 | 0.27 | 0.10 | 17   | 0.24 |
| 11CB0859A | Soil                             | 0.88 | 29.17 | 7.18  | 31.0  | 667  | 14.8 | 5.4  | 942  | 0.92 | 1.4  | 0.3  | 0.3  | <0.1 | 47.8  | 2.75 | 0.19 | 0.14 | 20   | 0.43 |
| 11CB0860A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0861A | Soil                             | 4.22 | 15.83 | 9.52  | 35.6  | 301  | 9.3  | 3.1  | 129  | 1.29 | 3.3  | 0.7  | 4.1  | 0.4  | 31.4  | 0.67 | 0.27 | 0.17 | 25   | 0.23 |



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**Project:** Mariposa  
**Report Date:** November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|------|------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|
|           |                                  | La    | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  |
| 11CB0832A | Soil                             | 23.7  | 16.0 | 0.25 | 369.9 | 0.037 | 3    | 1.04 | 0.015 | 0.08 | 0.1  | 3.0  | 0.07  | 0.10  | 143  | 0.5  | 0.03  |
| 11CB0833A | Soil                             | 68.7  | 30.4 | 0.39 | 975.8 | 0.050 | 1    | 1.79 | 0.016 | 0.20 | <0.1 | 4.5  | 0.06  | 0.02  | 23   | 0.1  | 0.06  |
| 11CB0834A | Soil                             | 87.8  | 26.3 | 0.36 | 642.0 | 0.026 | 2    | 1.14 | 0.013 | 0.05 | 0.1  | 3.1  | 0.08  | 0.13  | 104  | 0.2  | 0.04  |
| 11CB0835A | Soil                             | 12.3  | 14.0 | 0.20 | 275.2 | 0.029 | 2    | 0.73 | 0.012 | 0.05 | <0.1 | 1.7  | 0.07  | 0.10  | 82   | 0.3  | <0.02 |
| 11CB0836A | Soil                             | 13.9  | 16.5 | 0.25 | 224.6 | 0.035 | 1    | 0.85 | 0.013 | 0.07 | 0.1  | 1.9  | 0.08  | 0.09  | 95   | 0.3  | <0.02 |
| 11CB0837A | Soil                             | 18.6  | 14.4 | 0.19 | 240.7 | 0.025 | <1   | 0.81 | 0.010 | 0.05 | <0.1 | 1.6  | 0.07  | 0.09  | 84   | 0.4  | <0.02 |
| 11CB0838A | Soil                             | 30.5  | 11.7 | 0.13 | 535.6 | 0.006 | 2    | 0.53 | 0.017 | 0.07 | <0.1 | 0.3  | 0.03  | 0.08  | 81   | 0.5  | 0.08  |
| 11CB0839A | Soil                             | 55.6  | 16.2 | 0.20 | 385.3 | 0.025 | 1    | 1.01 | 0.015 | 0.05 | <0.1 | 3.8  | 0.07  | 0.11  | 107  | 0.4  | 0.04  |
| 11CB0840A | Soil                             | 21.6  | 27.4 | 0.34 | 159.6 | 0.071 | <1   | 1.49 | 0.018 | 0.24 | <0.1 | 3.6  | 0.07  | <0.02 | 9    | 0.3  | <0.02 |
| 11CB0841A | Soil                             | 38.0  | 23.3 | 0.26 | 293.7 | 0.055 | 2    | 1.19 | 0.018 | 0.33 | <0.1 | 3.6  | 0.04  | <0.02 | 9    | 0.3  | 0.03  |
| 11CB0842A | Soil                             | 54.4  | 13.2 | 0.16 | 399.7 | 0.014 | 2    | 0.92 | 0.015 | 0.05 | <0.1 | 1.3  | 0.04  | 0.12  | 166  | 0.4  | 0.04  |
| 11CB0843A | Soil                             | 4.6   | 13.4 | 0.08 | 476.0 | 0.024 | <1   | 0.44 | 0.019 | 0.08 | <0.1 | 0.9  | 0.05  | 0.03  | 79   | 0.2  | 0.03  |
| 11CB0844A | Soil                             | 7.3   | 12.3 | 0.04 | 150.1 | 0.018 | 1    | 0.46 | 0.014 | 0.04 | <0.1 | 0.7  | 0.03  | 0.03  | 43   | 0.2  | <0.02 |
| 11CB0845A | Soil                             | 5.1   | 11.5 | 0.08 | 276.5 | 0.005 | 2    | 0.38 | 0.014 | 0.06 | <0.1 | 0.2  | 0.03  | 0.05  | 82   | 0.2  | <0.02 |
| 11CB0846A | Soil                             | 25.3  | 10.4 | 0.05 | 210.7 | 0.012 | 1    | 0.48 | 0.013 | 0.05 | <0.1 | 0.7  | 0.03  | 0.05  | 64   | 0.2  | <0.02 |
| 11CB0847A | Soil                             | 142.9 | 19.0 | 0.19 | 816.9 | 0.038 | 2    | 0.98 | 0.017 | 0.11 | <0.1 | 2.8  | 0.05  | 0.04  | 53   | <0.1 | 0.04  |
| 11CB0848A | Soil                             | 70.6  | 20.4 | 0.28 | 1079  | 0.034 | 8    | 1.01 | 0.018 | 0.19 | <0.1 | 2.5  | <0.02 | 0.06  | 25   | <0.1 | 0.02  |
| 11CB0849A | Soil                             | 82.5  | 36.4 | 0.36 | 612.4 | 0.040 | 2    | 1.59 | 0.014 | 0.06 | 0.1  | 4.6  | 0.10  | 0.10  | 111  | <0.1 | <0.02 |
| 11CB0850A | Soil                             | 96.6  | 28.2 | 0.29 | 477.4 | 0.041 | 3    | 1.45 | 0.013 | 0.06 | 0.1  | 3.5  | 0.07  | 0.09  | 87   | <0.1 | 0.04  |
| 11CB0851A | Soil                             | 28.9  | 14.2 | 0.09 | 281.1 | 0.023 | 2    | 0.56 | 0.012 | 0.04 | <0.1 | 1.5  | 0.03  | 0.08  | 86   | 0.2  | <0.02 |
| 11CB0852A | Soil                             | 46.7  | 24.8 | 0.29 | 343.3 | 0.029 | 1    | 1.30 | 0.010 | 0.05 | 0.1  | 2.9  | 0.05  | 0.05  | 48   | 0.2  | <0.02 |
| 11CB0853A | Soil                             | 87.6  | 12.2 | 0.13 | 569.9 | 0.010 | 2    | 0.88 | 0.013 | 0.03 | <0.1 | 1.1  | <0.02 | 0.09  | 88   | <0.1 | <0.02 |
| 11CB0854A | Soil                             | 53.1  | 14.2 | 0.15 | 453.9 | 0.010 | 1    | 0.83 | 0.011 | 0.03 | <0.1 | 1.1  | 0.02  | 0.09  | 88   | 0.2  | <0.02 |
| 11CB0855A | Soil                             | 17.2  | 8.2  | 0.18 | 444.0 | 0.013 | 3    | 0.39 | 0.018 | 0.04 | <0.1 | 1.0  | <0.02 | 0.13  | 95   | 0.3  | 0.03  |
| 11CB0856A | Soil                             | 8.7   | 18.9 | 0.54 | 565.7 | 0.016 | 5    | 1.02 | 0.015 | 0.04 | <0.1 | 3.2  | 0.03  | 0.09  | 46   | 0.4  | 0.02  |
| 11CB0857A | Soil                             | 2.7   | 9.6  | 0.21 | 581.8 | 0.014 | 2    | 0.46 | 0.010 | 0.09 | <0.1 | 0.5  | 0.04  | 0.11  | 221  | 0.2  | <0.02 |
| 11CB0858A | Soil                             | 2.5   | 7.4  | 0.08 | 439.5 | 0.016 | 2    | 0.27 | 0.015 | 0.07 | <0.1 | 0.8  | 0.16  | 0.07  | 159  | 0.1  | <0.02 |
| 11CB0859A | Soil                             | 5.0   | 9.2  | 0.11 | 790.1 | 0.012 | 1    | 0.45 | 0.017 | 0.06 | <0.1 | 0.5  | 0.06  | 0.04  | 65   | 0.2  | <0.02 |
| 11CB0860A | Soil                             | I.S.  | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0861A | Soil                             | 9.2   | 13.1 | 0.14 | 273.6 | 0.018 | <1   | 0.69 | 0.010 | 0.06 | <0.1 | 1.5  | 0.05  | 0.08  | 77   | <0.1 | <0.02 |



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Project: Mariposa  
Report Date: November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11CB0862A | Soil                             | 3.74        | 63.42       | 14.16       | 51.3       | 1357     | 18.6       | 14.0       | 2384     | 1.17      | 2.2        | 3.7        | 7.9        | 0.3        | 149.8      | 3.53        | 0.45        | 0.16        | 16       | 1.82      |
| 11CB0863A | Soil                             | 1.20        | 21.42       | 9.01        | 63.7       | 675      | 8.5        | 2.3        | 132      | 0.82      | 1.7        | 0.2        | 9.6        | <0.1       | 26.4       | 3.10        | 0.22        | 0.17        | 23       | 0.24      |
| 11CB0864A | Soil                             | 3.09        | 73.40       | 72.65       | 76.5       | 2688     | 30.9       | 10.3       | 471      | 2.05      | 3.7        | 2.6        | 10.5       | 0.3        | 67.2       | 3.00        | 0.46        | 0.26        | 34       | 0.75      |
| 11CB0865A | Soil                             | 1.24        | 35.81       | 9.00        | 46.0       | 1081     | 20.3       | 8.6        | 1975     | 0.96      | 1.5        | 1.3        | 3.8        | 0.1        | 69.5       | 1.53        | 0.25        | 0.11        | 17       | 1.16      |
| 11CB0866A | Soil                             | 1.33        | 32.80       | 13.17       | 292.3      | 917      | 12.4       | 4.0        | 2973     | 1.19      | 2.0        | 0.6        | 2.4        | 1.8        | 78.3       | 1.38        | 0.24        | 0.19        | 27       | 1.41      |
| 11CB0867A | Soil                             | 1.45        | 42.49       | 14.55       | 96.0       | 1471     | 15.9       | 5.0        | 722      | 1.39      | 2.0        | 0.8        | 1.3        | <0.1       | 33.2       | 1.98        | 0.30        | 0.19        | 29       | 0.25      |
| 11CB0868A | Soil                             | 2.50        | 28.18       | 15.71       | 59.5       | 1003     | 11.2       | 3.9        | 294      | 2.05      | 3.9        | 1.5        | 3.7        | 4.7        | 48.9       | 0.51        | 0.28        | 0.23        | 38       | 0.62      |
| 11CB0869A | Soil                             | 4.10        | 35.74       | 13.36       | 55.3       | 925      | 15.2       | 4.7        | 294      | 2.24      | 4.4        | 2.1        | 3.1        | 5.5        | 44.9       | 0.83        | 0.31        | 0.24        | 37       | 0.47      |
| 11CB0870A | Soil                             | 1.63        | 33.38       | 7.28        | 160.7      | 1063     | 14.7       | 3.6        | 1305     | 1.19      | 2.4        | 1.4        | 0.5        | 3.9        | 145.5      | 1.48        | 0.27        | 0.14        | 24       | 2.28      |
| 11CB0871A | Soil                             | 3.25        | 55.38       | 15.08       | 140.9      | 1227     | 36.0       | 10.4       | 1017     | 3.12      | 4.8        | 4.2        | 1.3        | 6.6        | 77.5       | 3.04        | 0.39        | 0.24        | 48       | 1.04      |
| 11CB0872A | Soil                             | 2.02        | 27.53       | 9.13        | 42.7       | 517      | 17.2       | 5.1        | 240      | 2.02      | 3.1        | 4.8        | 6.8        | 1.7        | 66.5       | 0.59        | 0.28        | 0.18        | 25       | 0.88      |
| 11CB0873A | Soil                             | 2.52        | 22.55       | 9.97        | 58.1       | 200      | 19.0       | 8.8        | 368      | 2.27      | 3.8        | 4.0        | 4.3        | 3.7        | 58.3       | 0.25        | 0.32        | 0.19        | 38       | 0.78      |
| 11CB0874A | Soil                             | 1.91        | 15.05       | 5.77        | 28.6       | 262      | 11.1       | 3.3        | 109      | 1.71      | 3.1        | 2.5        | 4.5        | 1.4        | 45.7       | 0.20        | 0.29        | 0.09        | 16       | 0.60      |
| 11CB0875A | Soil                             | 2.38        | 12.07       | 8.10        | 39.1       | 184      | 8.0        | 4.2        | 148      | 1.60      | 2.9        | 1.0        | 4.6        | 1.3        | 34.7       | 0.12        | 0.27        | 0.10        | 21       | 0.43      |
| 11CB0876A | Soil                             | 1.34        | 12.78       | 7.89        | 38.9       | 171      | 8.3        | 3.9        | 105      | 1.85      | 4.1        | 1.3        | 2.9        | 1.1        | 22.3       | 0.09        | 0.26        | 0.15        | 25       | 0.26      |
| 11CB0877A | Soil                             | 1.46        | 13.91       | 4.40        | 20.7       | 219      | 6.2        | 3.0        | 100      | 1.72      | 3.4        | 1.3        | 2.0        | 0.5        | 33.7       | 0.15        | 0.25        | 0.06        | 16       | 0.37      |
| 11CB0878A | Soil                             | 1.33        | 16.21       | 6.90        | 36.2       | 124      | 11.2       | 4.5        | 141      | 1.45      | 3.0        | 1.0        | 1.7        | 1.4        | 32.2       | 0.18        | 0.24        | 0.13        | 28       | 0.44      |
| 11CB0879A | Soil                             | 1.18        | 11.16       | 3.29        | 22.9       | 128      | 10.1       | 3.3        | 87       | 0.88      | 1.2        | 1.3        | 1.3        | 0.9        | 58.8       | 0.24        | 0.42        | 0.04        | 10       | 0.62      |
| 11CB0880A | Soil                             | 0.88        | 31.31       | 6.67        | 79.9       | 475      | 17.5       | 6.1        | 1997     | 1.19      | 1.9        | 0.8        | 5.9        | 0.2        | 48.9       | 1.82        | 0.39        | 0.17        | 22       | 0.54      |
| 11CB0881A | Soil                             | 0.74        | 18.81       | 4.56        | 49.4       | 380      | 11.9       | 3.7        | 605      | 0.83      | 1.0        | 0.5        | 1.6        | <0.1       | 28.3       | 0.93        | 0.25        | 0.12        | 18       | 0.29      |
| 11CB0882A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11CB0883A | Soil                             | 1.20        | 20.22       | 5.36        | 29.1       | 183      | 12.4       | 3.8        | 178      | 1.11      | 1.7        | 1.7        | 2.9        | 1.3        | 51.5       | 0.44        | 0.34        | 0.10        | 15       | 0.62      |
| 11CB0884A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11CB0885A | Soil                             | 1.15        | 15.83       | 5.78        | 26.6       | 275      | 9.1        | 3.8        | 99       | 1.08      | 1.9        | 1.3        | 1.5        | 0.5        | 44.8       | 0.37        | 0.36        | 0.10        | 13       | 0.49      |
| 11CB0886A | Soil                             | 1.02        | 27.64       | 9.26        | 38.8       | 302      | 14.2       | 5.2        | 122      | 1.93      | 4.6        | 2.2        | 3.0        | 1.6        | 29.1       | 0.26        | 0.43        | 0.19        | 39       | 0.30      |
| 11CB0887A | Soil                             | 1.11        | 21.02       | 8.13        | 31.1       | 479      | 12.4       | 4.1        | 86       | 1.51      | 2.3        | 2.2        | 1.6        | 0.5        | 35.1       | 0.33        | 0.32        | 0.13        | 20       | 0.34      |
| 11CB0888A | Soil                             | 1.66        | 14.58       | 8.72        | 32.4       | 328      | 11.8       | 4.8        | 92       | 1.56      | 3.3        | 1.6        | 3.2        | 0.7        | 33.2       | 0.36        | 0.30        | 0.16        | 25       | 0.32      |
| 11CB0889A | Soil                             | 1.30        | 17.21       | 9.09        | 45.1       | 255      | 13.9       | 5.6        | 119      | 1.74      | 3.6        | 1.8        | 1.8        | 0.8        | 31.7       | 0.34        | 0.29        | 0.16        | 30       | 0.33      |
| 11CB0890A | Soil                             | 1.25        | 19.38       | 7.71        | 29.8       | 432      | 14.1       | 4.5        | 91       | 1.59      | 2.3        | 3.0        | 1.4        | 0.5        | 38.9       | 0.34        | 0.28        | 0.13        | 22       | 0.39      |
| 11CB0891A | Soil                             | 1.20        | 54.16       | 12.99       | 56.6       | 354      | 33.5       | 8.7        | 514      | 1.59      | 2.7        | 3.5        | 1.5        | 0.1        | 43.4       | 1.44        | 0.32        | 0.13        | 24       | 0.47      |



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**Project:** Mariposa  
**Report Date:** November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|------|------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|
|           |                                  | La    | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  |
| 11CB0862A | Soil                             | 47.9  | 11.2 | 0.26 | 1041  | 0.014 | 1    | 0.81 | 0.015 | 0.07 | <0.1 | 1.9  | 0.04  | 0.11  | 215  | 0.3  | 0.03  |
| 11CB0863A | Soil                             | 4.7   | 10.2 | 0.05 | 218.2 | 0.007 | 2    | 0.45 | 0.012 | 0.05 | <0.1 | 0.3  | 0.04  | 0.03  | 46   | <0.1 | 0.02  |
| 11CB0864A | Soil                             | 59.4  | 20.5 | 0.25 | 874.7 | 0.012 | 1    | 1.19 | 0.014 | 0.08 | 0.1  | 1.4  | 0.04  | 0.08  | 136  | 0.2  | 0.17  |
| 11CB0865A | Soil                             | 50.7  | 14.7 | 0.21 | 913.7 | 0.010 | 1    | 0.50 | 0.017 | 0.07 | <0.1 | 1.0  | 0.07  | 0.08  | 149  | <0.1 | 0.05  |
| 11CB0866A | Soil                             | 10.7  | 15.4 | 0.14 | 831.4 | 0.038 | 2    | 0.69 | 0.024 | 0.14 | <0.1 | 3.0  | 0.06  | 0.02  | 7    | 0.1  | <0.02 |
| 11CB0867A | Soil                             | 19.1  | 15.3 | 0.09 | 535.8 | 0.006 | <1   | 0.75 | 0.012 | 0.06 | <0.1 | 0.2  | 0.02  | 0.04  | 61   | <0.1 | <0.02 |
| 11CB0868A | Soil                             | 37.2  | 19.1 | 0.21 | 623.5 | 0.040 | 1    | 1.31 | 0.024 | 0.21 | <0.1 | 3.1  | 0.04  | <0.02 | 11   | <0.1 | <0.02 |
| 11CB0869A | Soil                             | 57.5  | 22.3 | 0.21 | 798.2 | 0.030 | 1    | 1.58 | 0.021 | 0.20 | <0.1 | 4.5  | 0.03  | 0.02  | 7    | <0.1 | 0.06  |
| 11CB0870A | Soil                             | 72.9  | 14.1 | 0.16 | 1026  | 0.039 | 2    | 0.75 | 0.021 | 0.16 | <0.1 | 3.7  | <0.02 | 0.04  | 8    | <0.1 | 0.04  |
| 11CB0871A | Soil                             | 130.2 | 29.0 | 0.36 | 1197  | 0.056 | 2    | 2.10 | 0.017 | 0.19 | <0.1 | 6.7  | 0.03  | 0.04  | 13   | <0.1 | 0.04  |
| 11CB0872A | Soil                             | 76.7  | 24.2 | 0.24 | 498.8 | 0.021 | 2    | 1.40 | 0.011 | 0.07 | 0.1  | 3.5  | 0.06  | 0.14  | 142  | 0.2  | <0.02 |
| 11CB0873A | Soil                             | 72.2  | 28.7 | 0.36 | 440.7 | 0.033 | 2    | 1.71 | 0.010 | 0.06 | 0.1  | 3.9  | 0.08  | 0.07  | 69   | <0.1 | <0.02 |
| 11CB0874A | Soil                             | 41.8  | 14.1 | 0.16 | 364.0 | 0.021 | 2    | 0.73 | 0.014 | 0.03 | <0.1 | 2.5  | 0.05  | 0.14  | 89   | 0.4  | 0.05  |
| 11CB0875A | Soil                             | 15.4  | 14.6 | 0.21 | 208.7 | 0.026 | 1    | 0.80 | 0.010 | 0.04 | <0.1 | 1.7  | 0.06  | 0.08  | 77   | 0.3  | <0.02 |
| 11CB0876A | Soil                             | 18.3  | 18.6 | 0.25 | 198.7 | 0.028 | <1   | 1.04 | 0.008 | 0.05 | 0.1  | 1.7  | 0.08  | 0.06  | 67   | 0.3  | <0.02 |
| 11CB0877A | Soil                             | 25.5  | 7.8  | 0.08 | 269.3 | 0.014 | 1    | 0.49 | 0.015 | 0.05 | 0.3  | 1.5  | 0.03  | 0.14  | 90   | 0.2  | <0.02 |
| 11CB0878A | Soil                             | 34.9  | 16.9 | 0.24 | 230.8 | 0.027 | 2    | 0.96 | 0.011 | 0.04 | 0.1  | 2.0  | 0.05  | 0.06  | 62   | 0.1  | <0.02 |
| 11CB0879A | Soil                             | 61.7  | 7.1  | 0.10 | 393.4 | 0.015 | 2    | 0.59 | 0.012 | 0.05 | <0.1 | 2.6  | 0.03  | 0.12  | 149  | <0.1 | <0.02 |
| 11CB0880A | Soil                             | 34.5  | 12.4 | 0.12 | 778.4 | 0.021 | 2    | 0.75 | 0.016 | 0.07 | <0.1 | 1.0  | 0.07  | 0.05  | 93   | 0.4  | 0.04  |
| 11CB0881A | Soil                             | 18.6  | 9.0  | 0.08 | 393.0 | 0.018 | 1    | 0.49 | 0.014 | 0.07 | <0.1 | 0.7  | 0.04  | 0.07  | 109  | 0.4  | 0.02  |
| 11CB0882A | Soil                             | I.S.  | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0883A | Soil                             | 88.0  | 10.0 | 0.12 | 423.1 | 0.027 | 3    | 0.85 | 0.015 | 0.05 | <0.1 | 3.1  | 0.04  | 0.11  | 99   | <0.1 | 0.02  |
| 11CB0884A | Soil                             | I.S.  | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0885A | Soil                             | 51.2  | 10.4 | 0.10 | 355.9 | 0.018 | 3    | 0.77 | 0.013 | 0.04 | <0.1 | 1.7  | 0.03  | 0.12  | 152  | 0.3  | <0.02 |
| 11CB0886A | Soil                             | 48.1  | 24.1 | 0.23 | 276.7 | 0.042 | 2    | 1.57 | 0.011 | 0.05 | 0.1  | 2.8  | 0.07  | 0.07  | 87   | 0.4  | 0.04  |
| 11CB0887A | Soil                             | 59.0  | 18.3 | 0.17 | 330.4 | 0.024 | 1    | 1.16 | 0.011 | 0.05 | <0.1 | 1.9  | 0.06  | 0.09  | 127  | 0.3  | 0.03  |
| 11CB0888A | Soil                             | 36.9  | 18.2 | 0.22 | 338.6 | 0.029 | 1    | 1.31 | 0.010 | 0.05 | 0.1  | 2.5  | 0.08  | 0.07  | 99   | 0.3  | 0.03  |
| 11CB0889A | Soil                             | 45.4  | 23.7 | 0.26 | 331.5 | 0.030 | 2    | 1.41 | 0.009 | 0.06 | 0.1  | 2.2  | 0.07  | 0.08  | 87   | 0.3  | 0.04  |
| 11CB0890A | Soil                             | 58.4  | 19.3 | 0.21 | 382.0 | 0.029 | 2    | 1.31 | 0.012 | 0.05 | 0.1  | 3.0  | 0.07  | 0.10  | 120  | <0.1 | <0.02 |
| 11CB0891A | Soil                             | 51.7  | 16.0 | 0.17 | 465.7 | 0.011 | 3    | 1.07 | 0.020 | 0.05 | <0.1 | 0.6  | 0.04  | 0.07  | 82   | 0.2  | 0.04  |



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Project: Mariposa  
Report Date: November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11CB0892A | Soil                             | 1.52        | 13.02       | 4.97        | 24.9       | 141      | 11.7       | 4.2        | 94       | 1.17      | 2.0        | 2.0        | 0.9        | 0.4        | 44.8       | 0.21        | 0.37        | 0.08        | 17       | 0.41      |
| 11CB0893A | Soil                             | 0.73        | 13.34       | 1.93        | 7.1        | 88       | 3.8        | 2.6        | 420      | 0.35      | 1.2        | 0.3        | 1.7        | 0.2        | 105.4      | 0.13        | 0.31        | 0.03        | 14       | 3.88      |
| 11CB0894A | Soil                             | 0.59        | 12.17       | 0.92        | 5.6        | 97       | 3.5        | 2.2        | 330      | 0.31      | 1.0        | 0.3        | 2.0        | 0.1        | 94.8       | 0.07        | 0.34        | 0.02        | 13       | 3.47      |
| 11CB0895A | Soil                             | 0.91        | 7.71        | 4.07        | 52.1       | 140      | 5.3        | 4.4        | 3461     | 0.56      | 1.2        | <0.1       | 0.3        | <0.1       | 129.7      | 0.69        | 0.15        | 0.05        | 9        | 1.34      |
| 11CB0896A | Soil                             | 0.53        | 7.22        | 4.29        | 19.0       | 58       | 4.4        | 1.9        | 54       | 0.75      | 1.5        | 0.2        | 1.5        | 0.1        | 31.4       | 0.32        | 0.18        | 0.11        | 23       | 0.14      |
| 11CB0897A | Soil                             | 0.81        | 12.76       | 6.16        | 11.4       | 122      | 4.5        | 1.5        | 36       | 0.80      | 1.5        | 0.3        | 1.8        | <0.1       | 20.4       | 0.35        | 0.20        | 0.15        | 25       | 0.06      |
| 11CB0898A | Soil                             | 0.76        | 10.81       | 6.76        | 12.7       | 106      | 4.3        | 1.4        | 44       | 0.87      | 2.2        | 0.3        | 0.7        | <0.1       | 18.6       | 0.31        | 0.18        | 0.16        | 28       | 0.07      |
| 11CB0899A | Soil                             | 0.88        | 11.17       | 6.34        | 11.6       | 111      | 4.5        | 1.7        | 41       | 0.87      | 2.0        | 0.4        | 4.3        | <0.1       | 20.1       | 0.26        | 0.18        | 0.14        | 25       | 0.06      |
| 11CB0900A | Soil                             | 0.83        | 11.30       | 6.32        | 13.4       | 114      | 4.4        | 1.7        | 51       | 0.96      | 2.2        | 0.3        | 1.3        | <0.1       | 20.1       | 0.25        | 0.16        | 0.14        | 27       | 0.07      |
| 11CB0901A | Soil                             | 0.79        | 9.61        | 6.03        | 12.6       | 118      | 4.3        | 1.5        | 44       | 0.86      | 2.2        | 0.3        | 1.1        | <0.1       | 16.3       | 0.18        | 0.17        | 0.13        | 25       | 0.07      |
| 11CB0902A | Soil                             | 0.55        | 20.60       | 3.78        | 19.1       | 284      | 6.0        | 4.7        | 68       | 0.91      | 1.1        | 1.4        | 1.3        | <0.1       | 67.9       | 0.22        | 0.22        | 0.06        | 15       | 0.53      |
| 11CB0903A | Soil                             | 0.67        | 25.02       | 4.44        | 23.9       | 287      | 6.3        | 5.5        | 89       | 1.13      | 1.3        | 1.7        | 2.5        | <0.1       | 74.3       | 0.27        | 0.24        | 0.07        | 20       | 0.57      |
| 11CB0904A | Soil                             | 1.48        | 14.74       | 5.29        | 45.7       | 153      | 8.3        | 16.8       | 1101     | 2.81      | 6.1        | 0.9        | 4.9        | 0.5        | 73.0       | 0.22        | 0.24        | 0.10        | 71       | 0.76      |
| 11CB0905A | Soil                             | 0.74        | 14.46       | 5.13        | 44.9       | 147      | 10.5       | 12.1       | 700      | 1.82      | 3.0        | 0.7        | 1.4        | 0.2        | 51.1       | 0.61        | 0.31        | 0.08        | 35       | 0.42      |
| 11CB0906A | Soil                             | 0.58        | 10.97       | 6.40        | 54.0       | 175      | 12.7       | 8.1        | 326      | 1.93      | 3.1        | 0.7        | 5.8        | 0.8        | 55.8       | 0.39        | 0.28        | 0.10        | 38       | 0.59      |
| 11CB0907A | Soil                             | 0.68        | 7.38        | 6.05        | 79.7       | 72       | 10.4       | 8.8        | 1136     | 1.85      | 2.9        | 0.2        | 0.9        | 0.9        | 187.8      | 0.15        | 0.26        | 0.09        | 45       | 1.24      |
| 11CB0908A | Soil                             | 0.70        | 6.63        | 4.97        | 72.3       | 56       | 8.9        | 6.8        | 1246     | 1.54      | 2.3        | 0.2        | 2.5        | 0.6        | 172.3      | 0.18        | 0.22        | 0.08        | 36       | 1.12      |
| 11CB0909A | Soil                             | 1.13        | 9.54        | 6.69        | 52.1       | 897      | 9.6        | 12.0       | 2356     | 1.06      | 2.2        | 0.3        | 0.9        | <0.1       | 46.1       | 0.42        | 0.24        | 0.10        | 22       | 0.61      |
| 11AN0101A | Soil                             | 2.04        | 11.40       | 3.35        | 24.7       | 170      | 8.5        | 4.3        | 133      | 1.20      | 1.8        | 1.1        | 1.3        | 0.3        | 41.8       | 0.18        | 0.21        | 0.06        | 14       | 0.43      |
| 11AN0102A | Soil                             | 1.31        | 14.43       | 7.26        | 43.3       | 87       | 14.4       | 6.9        | 148      | 2.11      | 4.2        | 0.8        | 3.7        | 1.9        | 30.9       | 0.06        | 0.25        | 0.12        | 48       | 0.38      |
| 11AN0103A | Soil                             | 2.77        | 9.50        | 3.52        | 25.6       | 147      | 7.2        | 3.4        | 80       | 1.17      | 1.8        | 0.5        | 1.3        | 0.7        | 25.9       | 0.17        | 0.21        | 0.08        | 24       | 0.29      |
| 11AN0104A | Soil                             | 1.24        | 14.75       | 6.11        | 39.7       | 145      | 11.8       | 5.2        | 144      | 1.75      | 3.1        | 0.9        | 2.1        | 1.3        | 31.5       | 0.13        | 0.24        | 0.12        | 35       | 0.36      |
| 11AN0105A | Soil                             | 1.06        | 13.44       | 5.04        | 35.3       | 149      | 6.8        | 4.0        | 131      | 1.70      | 2.6        | 0.7        | 5.5        | 1.5        | 20.3       | 0.11        | 0.20        | 0.08        | 29       | 0.21      |
| 11AN0106A | Soil                             | 1.27        | 14.67       | 4.74        | 17.0       | 393      | 4.4        | 1.5        | 46       | 0.72      | 1.0        | 0.7        | 1.1        | 0.1        | 24.1       | 0.12        | 0.17        | 0.08        | 18       | 0.25      |
| 11AN0107A | Soil                             | 0.96        | 17.59       | 8.94        | 24.3       | 188      | 18.5       | 3.6        | 76       | 1.19      | 1.9        | 1.1        | 3.1        | 0.3        | 21.1       | 0.20        | 0.27        | 0.29        | 29       | 0.15      |
| 11AN0108A | Soil                             | 0.68        | 10.86       | 7.07        | 13.4       | 120      | 3.3        | 1.4        | 41       | 0.80      | 1.8        | 0.4        | 2.2        | 0.1        | 10.8       | 0.18        | 0.22        | 0.24        | 30       | 0.05      |
| 11AN0109A | Soil                             | 0.85        | 49.79       | 8.68        | 14.8       | 353      | 9.8        | 1.7        | 31       | 0.88      | 1.5        | 1.5        | <0.2       | 0.5        | 25.1       | 0.75        | 0.19        | 0.17        | 17       | 0.12      |
| 11AN0110A | Soil                             | 0.68        | 14.35       | 7.58        | 14.9       | 68       | 4.8        | 1.7        | 48       | 0.92      | 2.0        | 0.7        | 1.3        | 0.8        | 16.6       | 0.20        | 0.19        | 0.19        | 27       | 0.07      |
| 11AN0111A | Soil                             | 0.56        | 17.55       | 6.37        | 17.6       | 121      | 4.7        | 2.2        | 66       | 1.11      | 1.9        | 0.7        | 0.4        | 0.4        | 13.1       | 0.17        | 0.19        | 0.15        | 27       | 0.08      |
| 11AN0112A | Soil                             | 0.72        | 26.33       | 6.53        | 15.1       | 216      | 7.7        | 2.9        | 44       | 0.97      | 1.4        | 1.5        | 0.3        | 0.4        | 25.4       | 0.32        | 0.17        | 0.12        | 15       | 0.23      |



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**Project:** Mariposa  
**Report Date:** November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11CB0892A | Soil                             | 42.4 | 10.9 | 0.14 | 368.0 | 0.020 | 2    | 0.90 | 0.016 | 0.06 | 0.1  | 2.0  | 0.05 | 0.11  | 116  | 0.3  | 0.03  |
| 11CB0893A | Soil                             | 1.6  | 4.6  | 0.23 | 246.5 | 0.008 | 10   | 0.24 | 0.014 | 0.02 | <0.1 | 1.3  | 0.03 | 0.18  | 108  | 0.6  | <0.02 |
| 11CB0894A | Soil                             | 1.4  | 3.5  | 0.20 | 225.6 | 0.006 | 8    | 0.20 | 0.015 | 0.02 | <0.1 | 1.2  | 0.03 | 0.17  | 91   | 0.6  | <0.02 |
| 11CB0895A | Soil                             | 1.6  | 6.0  | 0.18 | 597.0 | 0.017 | 4    | 0.36 | 0.014 | 0.15 | <0.1 | 0.6  | 0.05 | 0.09  | 148  | 0.4  | <0.02 |
| 11CB0896A | Soil                             | 4.1  | 8.8  | 0.08 | 248.9 | 0.021 | <1   | 0.42 | 0.012 | 0.05 | <0.1 | 0.6  | 0.05 | 0.03  | 67   | 0.3  | <0.02 |
| 11CB0897A | Soil                             | 4.9  | 11.0 | 0.05 | 121.1 | 0.010 | <1   | 0.66 | 0.012 | 0.03 | <0.1 | 0.3  | 0.03 | 0.05  | 74   | 0.4  | 0.04  |
| 11CB0898A | Soil                             | 5.5  | 10.8 | 0.06 | 104.9 | 0.017 | <1   | 0.67 | 0.010 | 0.03 | <0.1 | 0.4  | 0.03 | 0.04  | 49   | 0.3  | 0.04  |
| 11CB0899A | Soil                             | 4.9  | 11.2 | 0.06 | 116.7 | 0.012 | <1   | 0.64 | 0.012 | 0.03 | <0.1 | 0.3  | 0.03 | 0.05  | 84   | 0.3  | 0.06  |
| 11CB0900A | Soil                             | 4.9  | 10.7 | 0.08 | 112.0 | 0.014 | <1   | 0.69 | 0.011 | 0.03 | <0.1 | 0.4  | 0.04 | 0.04  | 77   | 0.4  | 0.06  |
| 11CB0901A | Soil                             | 4.5  | 10.2 | 0.07 | 91.1  | 0.016 | <1   | 0.61 | 0.009 | 0.03 | <0.1 | 0.4  | 0.03 | 0.04  | 77   | 0.3  | <0.02 |
| 11CB0902A | Soil                             | 15.3 | 8.5  | 0.10 | 152.7 | 0.014 | 1    | 0.76 | 0.017 | 0.03 | <0.1 | 1.1  | 0.04 | 0.10  | 118  | 0.3  | <0.02 |
| 11CB0903A | Soil                             | 18.3 | 10.5 | 0.13 | 173.4 | 0.017 | 2    | 0.92 | 0.018 | 0.04 | <0.1 | 1.4  | 0.04 | 0.11  | 104  | 0.4  | <0.02 |
| 11CB0904A | Soil                             | 8.5  | 16.8 | 0.36 | 218.2 | 0.043 | 1    | 1.14 | 0.022 | 0.04 | 0.1  | 2.5  | 0.04 | 0.06  | 77   | 0.4  | 0.06  |
| 11CB0905A | Soil                             | 10.6 | 14.8 | 0.33 | 219.3 | 0.036 | 1    | 1.12 | 0.018 | 0.05 | <0.1 | 1.9  | 0.04 | 0.06  | 75   | 0.2  | <0.02 |
| 11CB0906A | Soil                             | 11.6 | 20.2 | 0.46 | 205.0 | 0.065 | 1    | 1.51 | 0.020 | 0.06 | 0.1  | 3.4  | 0.07 | 0.05  | 60   | 0.3  | 0.02  |
| 11CB0907A | Soil                             | 4.2  | 15.9 | 0.47 | 543.1 | 0.075 | 2    | 1.49 | 0.013 | 0.12 | 0.1  | 1.7  | 0.06 | 0.05  | 97   | 0.3  | <0.02 |
| 11CB0908A | Soil                             | 3.4  | 13.7 | 0.38 | 539.4 | 0.065 | 2    | 1.11 | 0.013 | 0.08 | <0.1 | 1.4  | 0.06 | 0.05  | 64   | 0.2  | 0.03  |
| 11CB0909A | Soil                             | 5.5  | 13.1 | 0.18 | 315.2 | 0.014 | 2    | 0.72 | 0.015 | 0.08 | <0.1 | 0.7  | 0.07 | 0.06  | 196  | 0.4  | 0.06  |
| 11AN0101A | Soil                             | 12.2 | 12.9 | 0.17 | 285.7 | 0.017 | 1    | 0.69 | 0.014 | 0.04 | <0.1 | 1.6  | 0.05 | 0.10  | 98   | 0.3  | 0.03  |
| 11AN0102A | Soil                             | 11.7 | 28.7 | 0.49 | 192.0 | 0.051 | <1   | 1.62 | 0.015 | 0.04 | 0.1  | 3.2  | 0.09 | 0.04  | 48   | 0.2  | 0.03  |
| 11AN0103A | Soil                             | 10.2 | 17.2 | 0.21 | 106.3 | 0.037 | 1    | 1.00 | 0.016 | 0.06 | <0.1 | 2.2  | 0.06 | 0.07  | 68   | 0.3  | 0.02  |
| 11AN0104A | Soil                             | 15.0 | 22.6 | 0.38 | 177.2 | 0.049 | 1    | 1.34 | 0.014 | 0.06 | <0.1 | 2.6  | 0.09 | 0.06  | 66   | 0.4  | 0.05  |
| 11AN0105A | Soil                             | 13.1 | 13.6 | 0.26 | 111.8 | 0.040 | <1   | 1.11 | 0.011 | 0.08 | <0.1 | 1.9  | 0.07 | 0.04  | 51   | 0.2  | 0.04  |
| 11AN0106A | Soil                             | 17.1 | 11.0 | 0.11 | 132.4 | 0.013 | <1   | 0.56 | 0.014 | 0.06 | <0.1 | 0.6  | 0.04 | 0.06  | 78   | 0.2  | 0.04  |
| 11AN0107A | Soil                             | 22.3 | 39.7 | 0.29 | 234.9 | 0.041 | 1    | 0.66 | 0.013 | 0.08 | <0.1 | 0.8  | 0.06 | 0.05  | 64   | 0.3  | 0.03  |
| 11AN0108A | Soil                             | 8.6  | 11.7 | 0.07 | 103.1 | 0.026 | <1   | 0.67 | 0.008 | 0.03 | <0.1 | 0.5  | 0.06 | <0.02 | 42   | <0.1 | <0.02 |
| 11AN0109A | Soil                             | 73.3 | 12.3 | 0.05 | 345.3 | 0.006 | <1   | 0.68 | 0.011 | 0.03 | <0.1 | 0.4  | 0.02 | 0.04  | 69   | <0.1 | 0.03  |
| 11AN0110A | Soil                             | 13.5 | 11.7 | 0.09 | 121.8 | 0.041 | 1    | 0.71 | 0.010 | 0.03 | <0.1 | 1.3  | 0.05 | <0.02 | 45   | <0.1 | 0.06  |
| 11AN0111A | Soil                             | 17.7 | 11.2 | 0.12 | 117.8 | 0.038 | <1   | 0.80 | 0.009 | 0.05 | <0.1 | 1.1  | 0.04 | 0.03  | 48   | <0.1 | <0.02 |
| 11AN0112A | Soil                             | 29.7 | 11.6 | 0.08 | 235.8 | 0.008 | <1   | 0.76 | 0.013 | 0.04 | 0.2  | 0.8  | 0.03 | 0.07  | 63   | <0.1 | 0.04  |



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**Project:** Mariposa  
**Report Date:** November 18, 2011

**Page:** 6 of 8 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11AN0113A | Soil                             | 0.67        | 21.99       | 5.04        | 14.8       | 147      | 5.9        | 2.2        | 32       | 0.67      | 0.9        | 0.8        | 0.3        | 0.2        | 20.4       | 0.23        | 0.16        | 0.11        | 14       | 0.16      |
| 11AN0114A | Soil                             | 0.71        | 34.13       | 6.48        | 19.5       | 171      | 8.0        | 3.3        | 79       | 1.23      | 2.0        | 1.0        | 1.1        | 0.1        | 20.7       | 0.16        | 0.19        | 0.13        | 27       | 0.22      |
| 11AN0115A | Soil                             | 0.85        | 35.79       | 5.31        | 37.1       | 141      | 10.8       | 6.5        | 207      | 2.09      | 3.3        | 0.5        | 0.4        | 0.6        | 20.4       | 0.12        | 0.21        | 0.10        | 49       | 0.25      |
| 11AN0116A | Soil                             | 0.75        | 29.02       | 5.43        | 24.6       | 328      | 9.9        | 4.0        | 77       | 1.36      | 1.9        | 1.6        | 1.0        | 0.3        | 26.1       | 0.25        | 0.20        | 0.10        | 22       | 0.23      |
| 11AN0117A | Soil                             | 0.57        | 16.68       | 3.32        | 21.8       | 213      | 9.8        | 5.7        | 162      | 1.11      | 1.3        | 2.8        | 1.3        | 0.7        | 43.5       | 0.28        | 0.27        | 0.06        | 9        | 0.41      |
| 11AN0118A | Soil                             | 1.49        | 13.88       | 6.31        | 34.0       | 202      | 8.9        | 3.7        | 116      | 1.36      | 1.5        | 1.3        | 7.9        | 0.6        | 26.1       | 0.10        | 0.16        | 0.10        | 19       | 0.23      |
| 11AN0119A | Soil                             | 0.63        | 15.80       | 3.29        | 36.6       | 122      | 12.8       | 10.8       | 2388     | 1.82      | 1.9        | 2.9        | 0.4        | 0.7        | 88.5       | 0.33        | 0.74        | 0.07        | 24       | 1.12      |
| 11AN0120A | Soil                             | 0.87        | 11.80       | 6.28        | 30.1       | 105      | 8.2        | 3.6        | 116      | 1.69      | 2.9        | 0.5        | 0.9        | <0.1       | 29.7       | 0.20        | 0.20        | 0.09        | 38       | 0.30      |
| 11AN0121A | Soil                             | 0.79        | 10.38       | 5.72        | 34.9       | 85       | 7.3        | 4.0        | 139      | 1.86      | 3.2        | 0.5        | 0.5        | 0.1        | 27.3       | 0.21        | 0.26        | 0.10        | 45       | 0.26      |
| 11AN0122A | Soil                             | 0.61        | 13.46       | 5.20        | 75.7       | 163      | 9.1        | 8.2        | 1389     | 2.33      | 3.1        | 0.2        | <0.2       | 0.3        | 30.0       | 0.67        | 0.26        | 0.11        | 61       | 0.38      |
| 11AN0123A | Soil                             | 1.03        | 21.47       | 8.40        | 36.6       | 347      | 10.6       | 4.5        | 123      | 1.73      | 2.8        | 0.5        | 0.7        | 0.2        | 35.1       | 0.42        | 0.27        | 0.17        | 43       | 0.29      |
| 11AN0124A | Soil                             | 0.82        | 11.26       | 5.83        | 22.7       | 253      | 6.0        | 2.5        | 66       | 0.96      | 1.4        | 0.5        | <0.2       | <0.1       | 36.5       | 0.24        | 0.16        | 0.12        | 23       | 0.19      |
| 11AN0125A | Soil                             | 0.79        | 9.71        | 5.62        | 23.7       | 166      | 6.0        | 3.0        | 107      | 1.24      | 3.0        | 0.3        | 1.4        | 0.1        | 39.6       | 0.27        | 0.21        | 0.11        | 39       | 0.18      |
| 11AN0126A | Soil                             | 0.55        | 15.85       | 4.10        | 76.6       | 68       | 11.8       | 7.6        | 822      | 1.47      | 2.3        | 0.5        | 0.9        | 0.7        | 108.4      | 0.44        | 0.28        | 0.07        | 30       | 1.99      |
| 11AN0127A | Soil                             | 0.58        | 8.22        | 3.98        | 33.6       | 277      | 5.8        | 4.9        | 1103     | 0.92      | 1.5        | 0.2        | 0.5        | 0.2        | 92.6       | 0.97        | 0.13        | 0.06        | 24       | 1.19      |
| 11AN0128A | Soil                             | 1.02        | 13.03       | 7.56        | 37.0       | 548      | 11.2       | 8.5        | 877      | 1.42      | 2.2        | 0.5        | <0.2       | 0.2        | 58.9       | 0.57        | 0.23        | 0.12        | 37       | 0.44      |
| 11AN0129A | Soil                             | 0.80        | 13.20       | 9.02        | 66.1       | 1150     | 18.1       | 7.9        | 1713     | 1.84      | 3.0        | 0.6        | 1.1        | 1.2        | 103.3      | 0.51        | 0.23        | 0.13        | 53       | 0.85      |
| 11AN0130A | Soil                             | 0.96        | 11.85       | 14.83       | 76.8       | 638      | 14.1       | 13.9       | 595      | 3.39      | 4.4        | 0.3        | 1.0        | 1.8        | 86.9       | 0.14        | 0.36        | 0.14        | 81       | 0.45      |
| 11AN0131A | Soil                             | 0.97        | 12.25       | 8.11        | 54.1       | 460      | 15.6       | 15.3       | 2376     | 2.16      | 2.9        | 0.2        | 1.3        | 0.4        | 51.0       | 0.32        | 0.41        | 0.15        | 50       | 0.37      |
| 11AN0132A | Soil                             | 0.93        | 8.96        | 6.92        | 77.8       | 158      | 11.0       | 9.9        | 2225     | 1.80      | 3.1        | 0.2        | 0.6        | 0.3        | 104.4      | 0.31        | 0.35        | 0.13        | 42       | 0.88      |
| 11AN0133A | Soil                             | 0.85        | 9.91        | 6.50        | 115.7      | 152      | 12.1       | 7.4        | 1855     | 1.47      | 2.2        | 0.2        | 0.6        | 0.5        | 166.5      | 0.67        | 0.28        | 0.11        | 34       | 1.46      |
| 11AN0134A | Soil                             | 0.69        | 11.77       | 7.54        | 136.6      | 81       | 12.5       | 10.1       | 3141     | 1.76      | 1.8        | 0.2        | 3.0        | 0.4        | 103.0      | 0.76        | 0.33        | 0.14        | 38       | 0.93      |
| 11AN0135A | Soil                             | 0.82        | 13.00       | 7.44        | 21.6       | 453      | 5.6        | 2.5        | 159      | 0.78      | 1.2        | 0.4        | 0.2        | 0.1        | 33.8       | 0.22        | 0.16        | 0.15        | 20       | 0.19      |
| 11AN0136A | Soil                             | 1.02        | 28.90       | 9.14        | 48.9       | 245      | 16.1       | 14.6       | 717      | 1.94      | 2.6        | 1.2        | 1.0        | 0.2        | 59.7       | 0.50        | 0.34        | 0.16        | 41       | 0.26      |
| 11AN0137A | Soil                             | 0.79        | 11.14       | 8.53        | 31.2       | 176      | 6.9        | 4.3        | 279      | 1.22      | 2.5        | 0.3        | 1.0        | 0.2        | 22.6       | 0.33        | 0.19        | 0.18        | 34       | 0.14      |
| 11AN0138A | Soil                             | 0.80        | 6.74        | 7.54        | 24.4       | 249      | 5.6        | 3.8        | 142      | 0.98      | 1.7        | 0.3        | 2.7        | 1.0        | 17.7       | 0.12        | 0.23        | 0.18        | 36       | 0.12      |
| 11AN0139A | Soil                             | 0.76        | 7.80        | 6.75        | 20.0       | 159      | 6.0        | 3.1        | 74       | 1.02      | 2.3        | 0.2        | 0.4        | 0.2        | 36.0       | 0.24        | 0.23        | 0.16        | 32       | 0.15      |
| 11AN0140A | Soil                             | 0.69        | 12.00       | 6.05        | 27.1       | 69       | 7.0        | 4.8        | 290      | 1.08      | 0.8        | 0.2        | 1.0        | 0.8        | 17.0       | 0.42        | 0.24        | 0.15        | 34       | 0.11      |
| 11AN0141A | Soil                             | 0.84        | 11.96       | 5.30        | 25.0       | 45       | 7.8        | 3.2        | 98       | 1.04      | 1.4        | 0.2        | <0.2       | 0.3        | 18.7       | 0.47        | 0.25        | 0.16        | 32       | 0.11      |
| 11AN0142A | Soil                             | 1.00        | 17.92       | 8.05        | 99.1       | 205      | 13.2       | 16.4       | 8099     | 2.00      | 1.9        | 0.3        | 0.5        | 0.4        | 23.7       | 0.89        | 0.36        | 0.20        | 50       | 0.17      |



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Project: Mariposa  
Report Date: November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0113A | Soil                             | 14.4 | 11.4 | 0.06 | 140.4 | 0.006 | <1   | 0.59 | 0.013 | 0.04 | <0.1 | 0.4  | 0.03  | 0.05  | 55   | <0.1 | <0.02 |
| 11AN0114A | Soil                             | 12.8 | 15.2 | 0.18 | 152.8 | 0.028 | <1   | 1.08 | 0.013 | 0.04 | 0.2  | 0.9  | 0.06  | 0.04  | 68   | <0.1 | 0.04  |
| 11AN0115A | Soil                             | 8.1  | 24.0 | 0.46 | 101.5 | 0.080 | <1   | 1.26 | 0.016 | 0.08 | 0.2  | 2.4  | 0.05  | 0.03  | 60   | 0.2  | 0.02  |
| 11AN0116A | Soil                             | 18.3 | 18.6 | 0.18 | 170.6 | 0.029 | <1   | 1.00 | 0.012 | 0.05 | 0.1  | 1.5  | 0.04  | 0.08  | 90   | <0.1 | <0.02 |
| 11AN0117A | Soil                             | 43.6 | 11.6 | 0.14 | 278.6 | 0.021 | 2    | 0.94 | 0.016 | 0.04 | <0.1 | 2.6  | 0.03  | 0.12  | 119  | <0.1 | <0.02 |
| 11AN0118A | Soil                             | 17.1 | 21.9 | 0.26 | 161.6 | 0.027 | <1   | 1.10 | 0.012 | 0.06 | 0.1  | 2.1  | 0.09  | 0.08  | 90   | 0.2  | 0.03  |
| 11AN0119A | Soil                             | 73.6 | 11.4 | 0.27 | 811.5 | 0.012 | 3    | 0.97 | 0.016 | 0.04 | <0.1 | 6.3  | 0.04  | 0.11  | 153  | <0.1 | <0.02 |
| 11AN0120A | Soil                             | 7.6  | 13.9 | 0.23 | 146.8 | 0.017 | <1   | 1.12 | 0.012 | 0.04 | <0.1 | 0.9  | 0.03  | 0.05  | 68   | <0.1 | <0.02 |
| 11AN0121A | Soil                             | 7.1  | 13.9 | 0.28 | 130.5 | 0.019 | <1   | 1.22 | 0.012 | 0.03 | <0.1 | 1.2  | 0.03  | 0.04  | 62   | 0.1  | <0.02 |
| 11AN0122A | Soil                             | 5.4  | 12.3 | 0.35 | 265.1 | 0.030 | <1   | 1.29 | 0.014 | 0.04 | <0.1 | 2.5  | <0.02 | <0.02 | 56   | 0.1  | <0.02 |
| 11AN0123A | Soil                             | 6.1  | 17.1 | 0.22 | 168.1 | 0.044 | <1   | 1.45 | 0.014 | 0.06 | 0.1  | 1.7  | 0.05  | 0.03  | 86   | <0.1 | 0.04  |
| 11AN0124A | Soil                             | 6.8  | 11.5 | 0.12 | 149.8 | 0.024 | <1   | 0.82 | 0.014 | 0.04 | <0.1 | 1.0  | 0.04  | 0.04  | 72   | 0.2  | <0.02 |
| 11AN0125A | Soil                             | 5.7  | 11.4 | 0.16 | 118.6 | 0.034 | <1   | 0.80 | 0.014 | 0.04 | <0.1 | 0.9  | 0.04  | 0.03  | 65   | <0.1 | 0.06  |
| 11AN0126A | Soil                             | 11.5 | 13.0 | 0.45 | 380.2 | 0.035 | 4    | 0.99 | 0.020 | 0.04 | <0.1 | 2.4  | 0.04  | 0.11  | 95   | 0.2  | <0.02 |
| 11AN0127A | Soil                             | 3.0  | 8.0  | 0.27 | 246.8 | 0.027 | 2    | 0.51 | 0.013 | 0.08 | <0.1 | 0.9  | 0.03  | 0.07  | 109  | 0.2  | <0.02 |
| 11AN0128A | Soil                             | 9.5  | 13.4 | 0.27 | 385.3 | 0.036 | 1    | 1.03 | 0.013 | 0.06 | <0.1 | 1.3  | 0.04  | 0.03  | 94   | <0.1 | <0.02 |
| 11AN0129A | Soil                             | 8.0  | 21.5 | 0.46 | 221.1 | 0.071 | 2    | 1.30 | 0.017 | 0.12 | 0.1  | 2.7  | 0.07  | 0.05  | 101  | <0.1 | <0.02 |
| 11AN0130A | Soil                             | 8.4  | 27.5 | 0.64 | 249.7 | 0.119 | 1    | 2.29 | 0.016 | 0.08 | 0.1  | 3.2  | 0.06  | <0.02 | 31   | <0.1 | 0.06  |
| 11AN0131A | Soil                             | 7.1  | 22.1 | 0.38 | 475.6 | 0.043 | <1   | 1.41 | 0.012 | 0.08 | <0.1 | 1.6  | 0.06  | 0.03  | 61   | <0.1 | <0.02 |
| 11AN0132A | Soil                             | 4.9  | 17.4 | 0.34 | 533.3 | 0.040 | 1    | 1.07 | 0.012 | 0.09 | <0.1 | 1.2  | 0.07  | 0.05  | 82   | <0.1 | 0.06  |
| 11AN0133A | Soil                             | 4.7  | 17.0 | 0.35 | 575.7 | 0.036 | 2    | 0.88 | 0.013 | 0.10 | 0.1  | 1.1  | 0.05  | 0.07  | 87   | 0.1  | <0.02 |
| 11AN0134A | Soil                             | 4.7  | 15.8 | 0.32 | 713.6 | 0.047 | 1    | 0.95 | 0.015 | 0.09 | <0.1 | 1.3  | 0.07  | 0.05  | 89   | 0.3  | 0.03  |
| 11AN0135A | Soil                             | 6.6  | 9.9  | 0.12 | 203.7 | 0.033 | 1    | 0.62 | 0.015 | 0.06 | <0.1 | 1.0  | 0.06  | 0.03  | 58   | 0.2  | <0.02 |
| 11AN0136A | Soil                             | 21.6 | 18.8 | 0.25 | 299.8 | 0.038 | <1   | 1.49 | 0.017 | 0.07 | <0.1 | 2.0  | 0.06  | 0.03  | 72   | 0.2  | 0.04  |
| 11AN0137A | Soil                             | 8.3  | 15.3 | 0.19 | 187.0 | 0.031 | <1   | 0.96 | 0.011 | 0.04 | <0.1 | 0.7  | 0.07  | <0.02 | 43   | <0.1 | 0.04  |
| 11AN0138A | Soil                             | 9.9  | 14.0 | 0.17 | 191.8 | 0.044 | <1   | 0.80 | 0.011 | 0.05 | <0.1 | 1.6  | 0.09  | <0.02 | 37   | <0.1 | 0.02  |
| 11AN0139A | Soil                             | 6.4  | 12.3 | 0.12 | 122.9 | 0.030 | <1   | 0.65 | 0.010 | 0.05 | <0.1 | 0.8  | 0.04  | 0.03  | 43   | <0.1 | 0.02  |
| 11AN0140A | Soil                             | 8.2  | 13.6 | 0.10 | 154.0 | 0.048 | <1   | 0.64 | 0.013 | 0.03 | <0.1 | 1.3  | 0.05  | <0.02 | 32   | 0.2  | 0.02  |
| 11AN0141A | Soil                             | 7.2  | 14.1 | 0.10 | 129.2 | 0.039 | <1   | 0.62 | 0.015 | 0.04 | <0.1 | 0.9  | 0.04  | <0.02 | 36   | <0.1 | 0.04  |
| 11AN0142A | Soil                             | 7.5  | 18.0 | 0.20 | 440.0 | 0.051 | <1   | 1.08 | 0.015 | 0.04 | <0.1 | 1.6  | 0.09  | <0.02 | 53   | 0.1  | 0.04  |





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Report Date: November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte | Unit<br>MDL | 1F15  | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|-------------------|-------------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
|           |                   |             | Mo    | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    |
|           |                   |             | ppm   | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | %    |
|           |                   |             | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    |
| 11AN0143A | Soil              |             | 0.94  | 6.62  | 6.91  | 29.9  | 66   | 7.2  | 2.8  | 196  | 1.51 | 3.4  | 0.3  | 10.8 | 0.7  | 13.9  | 0.18 | 0.42 | 0.27 | 45   |
| 11AN0144A | Soil              |             | 0.69  | 10.47 | 8.38  | 44.7  | 209  | 10.9 | 6.5  | 460  | 1.85 | 3.2  | 0.5  | 4.6  | 0.9  | 60.1  | 0.30 | 0.27 | 0.20 | 43   |
| 11AN0145A | Soil              |             | 0.59  | 11.73 | 6.60  | 35.6  | 143  | 7.6  | 4.6  | 694  | 1.26 | 1.8  | 0.4  | 2.2  | 0.4  | 46.3  | 0.29 | 0.16 | 0.14 | 27   |
| 11AN0146A | Soil              |             | 0.82  | 12.34 | 6.34  | 41.5  | 131  | 9.6  | 5.2  | 1412 | 1.44 | 2.0  | 0.2  | 1.1  | 0.6  | 38.6  | 0.43 | 0.24 | 0.13 | 37   |
| 11AN0147A | Soil              |             | 0.69  | 8.17  | 6.73  | 29.3  | 172  | 8.3  | 4.7  | 210  | 1.47 | 3.3  | 0.2  | 1.2  | 0.5  | 27.1  | 0.15 | 0.21 | 0.15 | 39   |
| 11AN0148A | Soil              |             | 0.61  | 8.90  | 5.78  | 19.3  | 90   | 6.1  | 2.6  | 280  | 1.01 | 1.3  | 0.2  | 1.3  | 0.2  | 28.1  | 0.16 | 0.16 | 0.13 | 27   |
| 11AN0149A | Soil              |             | 0.53  | 7.31  | 5.30  | 23.1  | 230  | 4.6  | 2.5  | 202  | 1.01 | 1.1  | 0.2  | <0.2 | <0.1 | 30.6  | 0.10 | 0.14 | 0.11 | 31   |
| 11AN0150A | Soil              |             | 0.63  | 10.67 | 6.02  | 22.4  | 219  | 6.5  | 3.0  | 125  | 1.15 | 1.4  | 0.2  | 1.6  | 0.5  | 16.1  | 0.21 | 0.20 | 0.11 | 36   |
| 11AN0151A | Soil              |             | 0.59  | 11.81 | 11.63 | 112.6 | 1912 | 13.3 | 11.2 | 1364 | 2.75 | 3.0  | 0.2  | 2.5  | 0.5  | 100.3 | 0.24 | 0.28 | 0.11 | 59   |
| 11AN0152A | Soil              |             | 0.50  | 9.45  | 6.67  | 108.5 | 271  | 11.9 | 11.8 | 2185 | 2.16 | 2.0  | 0.2  | 0.8  | 0.9  | 147.0 | 0.32 | 0.22 | 0.10 | 52   |
| 11AN0153A | Soil              |             | 0.60  | 10.24 | 5.16  | 158.9 | 228  | 6.4  | 7.7  | 2380 | 1.30 | 1.3  | 0.1  | <0.2 | 0.2  | 303.4 | 0.45 | 0.14 | 0.07 | 28   |
| 11AN0154A | Soil              |             | 0.85  | 8.16  | 7.52  | 48.4  | 151  | 12.4 | 9.8  | 594  | 2.18 | 3.3  | 0.2  | 1.6  | 1.2  | 48.5  | 0.21 | 0.30 | 0.11 | 53   |
| 11AN0155A | Soil              |             | 0.49  | 15.32 | 4.33  | 22.5  | 162  | 7.6  | 4.0  | 200  | 0.97 | 0.6  | 20.2 | 2.4  | 0.2  | 137.0 | 0.13 | 0.32 | 0.09 | 37   |
| 11AN0156A | Soil              |             | 0.53  | 16.55 | 2.51  | 41.8  | 114  | 9.9  | 3.6  | 371  | 0.77 | 1.4  | 0.5  | 1.1  | 0.3  | 119.1 | 0.45 | 0.30 | 0.04 | 15   |
| 11AN0157A | Soil              |             | 0.86  | 22.77 | 5.30  | 33.6  | 258  | 11.7 | 14.3 | 594  | 1.85 | 2.9  | 1.3  | 2.6  | 0.3  | 76.8  | 0.19 | 0.27 | 0.08 | 34   |
| 11AN0158A | Soil              |             | 1.86  | 16.83 | 5.48  | 69.8  | 134  | 14.5 | 29.4 | 3481 | 4.45 | 10.0 | 1.6  | 2.8  | 2.7  | 67.4  | 0.51 | 0.37 | 0.07 | 58   |
| 11AN0159A | Soil              |             | 0.88  | 11.75 | 5.64  | 42.3  | 169  | 9.4  | 7.7  | 745  | 1.75 | 2.8  | 0.8  | 0.7  | 0.4  | 80.6  | 0.14 | 0.37 | 0.06 | 38   |
| 11AN0160A | Soil              |             | 0.68  | 10.66 | 5.34  | 44.6  | 168  | 9.3  | 5.3  | 187  | 1.84 | 2.3  | 0.7  | <0.2 | 0.3  | 49.7  | 0.17 | 0.23 | 0.06 | 38   |
| 11AN0161A | Soil              |             | 0.52  | 8.92  | 5.29  | 53.4  | 117  | 8.8  | 6.6  | 251  | 2.14 | 2.8  | 0.5  | 0.7  | 0.5  | 48.1  | 0.12 | 0.19 | 0.04 | 48   |
| 11AN0162A | Soil              |             | 0.51  | 8.94  | 5.67  | 50.9  | 96   | 10.2 | 6.5  | 220  | 2.26 | 3.1  | 0.5  | 0.3  | 0.8  | 33.4  | 0.14 | 0.23 | 0.06 | 53   |
| 11AN0163A | Soil              |             | 0.81  | 10.84 | 3.97  | 13.8  | 232  | 5.7  | 1.8  | 41   | 0.78 | 1.2  | 0.4  | 0.5  | <0.1 | 28.2  | 0.22 | 0.17 | 0.06 | 17   |
| 11AN0164A | Soil              |             | 0.75  | 9.24  | 5.02  | 16.0  | 120  | 4.6  | 1.9  | 70   | 0.88 | 1.1  | 0.4  | <0.2 | <0.1 | 28.6  | 0.18 | 0.11 | 0.08 | 22   |
| 11AN0165A | Soil              |             | 0.58  | 12.84 | 4.71  | 10.1  | 65   | 4.7  | 1.7  | 32   | 0.73 | 1.1  | 0.4  | <0.2 | <0.1 | 20.1  | 0.18 | 0.10 | 0.07 | 13   |
| 11AN0166A | Soil              |             | 0.53  | 14.57 | 7.50  | 18.3  | 87   | 5.6  | 1.9  | 58   | 1.09 | 2.3  | 0.3  | 0.4  | <0.1 | 17.7  | 0.18 | 0.13 | 0.12 | 33   |
| 11AN0167A | Soil              |             | 0.78  | 8.61  | 6.06  | 16.8  | 122  | 5.3  | 2.0  | 51   | 1.05 | 2.5  | 0.2  | <0.2 | 0.2  | 13.8  | 0.14 | 0.20 | 0.11 | 34   |
| 11AN0168A | Soil              |             | 1.07  | 17.55 | 5.64  | 19.2  | 902  | 7.4  | 1.9  | 39   | 0.59 | 0.9  | 0.5  | 2.5  | <0.1 | 25.8  | 0.61 | 0.11 | 0.09 | 14   |
| 11AN0169A | Soil              |             | 14.56 | 25.70 | 4.75  | 28.2  | 400  | 29.0 | 7.1  | 1710 | 1.48 | 2.4  | 3.0  | 52.4 | 0.7  | 129.4 | 0.64 | 0.40 | 0.08 | 16   |
| 11AN0170A | Soil              |             | 1.22  | 11.77 | 6.37  | 22.8  | 269  | 5.1  | 1.7  | 62   | 0.74 | 1.3  | 0.4  | <0.2 | 0.1  | 17.4  | 0.29 | 0.16 | 0.46 | 23   |
| 11AN0171A | Soil              |             | 1.52  | 16.39 | 7.75  | 57.3  | 474  | 7.5  | 2.6  | 539  | 1.21 | 2.3  | 0.3  | 47.1 | 0.1  | 17.6  | 0.74 | 0.20 | 0.16 | 34   |
| 11AN0172A | Soil              |             | 1.80  | 20.47 | 11.91 | 44.7  | 848  | 8.9  | 3.2  | 215  | 1.50 | 1.7  | 0.6  | 16.7 | 0.5  | 21.6  | 0.97 | 0.22 | 0.21 | 37   |



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**Project:** Mariposa  
**Report Date:** November 18, 2011

**Page:** 7 of 8 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0143A | Soil                             | 7.0  | 14.8 | 0.15 | 107.2 | 0.041 | 2    | 0.73 | 0.007 | 0.03 | <0.1 | 1.0  | 0.09 | 0.04  | 59   | 0.1  | <0.02 |
| 11AN0144A | Soil                             | 6.0  | 14.6 | 0.45 | 292.8 | 0.075 | 2    | 1.49 | 0.012 | 0.13 | 0.1  | 2.0  | 0.09 | 0.04  | 54   | 0.1  | <0.02 |
| 11AN0145A | Soil                             | 5.7  | 13.0 | 0.24 | 342.1 | 0.048 | 2    | 0.94 | 0.012 | 0.09 | <0.1 | 1.5  | 0.07 | 0.02  | 55   | 0.1  | <0.02 |
| 11AN0146A | Soil                             | 4.5  | 13.7 | 0.20 | 347.3 | 0.041 | 1    | 0.71 | 0.011 | 0.05 | <0.1 | 1.1  | 0.07 | 0.03  | 58   | 0.1  | <0.02 |
| 11AN0147A | Soil                             | 5.7  | 15.0 | 0.25 | 207.4 | 0.050 | 2    | 0.94 | 0.009 | 0.07 | 0.1  | 1.2  | 0.07 | <0.02 | 28   | 0.2  | <0.02 |
| 11AN0148A | Soil                             | 5.1  | 12.4 | 0.15 | 222.0 | 0.031 | <1   | 0.58 | 0.010 | 0.07 | <0.1 | 0.9  | 0.04 | <0.02 | 36   | 0.1  | <0.02 |
| 11AN0149A | Soil                             | 4.5  | 10.1 | 0.15 | 161.7 | 0.035 | <1   | 0.65 | 0.013 | 0.05 | <0.1 | 0.7  | 0.06 | <0.02 | 34   | 0.1  | <0.02 |
| 11AN0150A | Soil                             | 7.4  | 13.9 | 0.12 | 180.6 | 0.036 | <1   | 0.68 | 0.008 | 0.03 | <0.1 | 0.9  | 0.07 | <0.02 | 28   | <0.1 | <0.02 |
| 11AN0151A | Soil                             | 5.0  | 20.6 | 0.65 | 540.2 | 0.059 | 2    | 1.86 | 0.011 | 0.10 | <0.1 | 2.2  | 0.07 | 0.03  | 67   | 0.2  | 0.12  |
| 11AN0152A | Soil                             | 3.9  | 16.0 | 0.55 | 835.5 | 0.091 | 2    | 1.46 | 0.015 | 0.11 | <0.1 | 1.9  | 0.11 | 0.04  | 94   | 0.1  | <0.02 |
| 11AN0153A | Soil                             | 2.1  | 6.4  | 0.42 | 851.9 | 0.038 | 6    | 1.00 | 0.016 | 0.18 | <0.1 | 1.4  | 0.05 | 0.10  | 156  | 0.1  | <0.02 |
| 11AN0154A | Soil                             | 5.9  | 22.6 | 0.40 | 285.8 | 0.062 | 2    | 1.50 | 0.011 | 0.06 | 0.1  | 2.2  | 0.10 | 0.03  | 75   | 0.1  | <0.02 |
| 11AN0155A | Soil                             | 2.9  | 11.4 | 0.36 | 59.7  | 0.028 | 10   | 0.78 | 0.020 | 0.04 | <0.1 | 1.2  | 0.05 | 0.30  | 62   | 1.9  | <0.02 |
| 11AN0156A | Soil                             | 7.1  | 5.5  | 0.31 | 200.8 | 0.023 | 5    | 0.56 | 0.018 | 0.04 | <0.1 | 1.2  | 0.04 | 0.15  | 115  | 0.3  | <0.02 |
| 11AN0157A | Soil                             | 17.3 | 14.4 | 0.33 | 249.2 | 0.030 | 1    | 1.10 | 0.016 | 0.04 | 0.2  | 2.9  | 0.03 | 0.08  | 93   | 0.3  | <0.02 |
| 11AN0158A | Soil                             | 33.1 | 20.8 | 0.51 | 415.8 | 0.049 | 3    | 1.45 | 0.016 | 0.05 | 0.1  | 4.1  | 0.09 | 0.10  | 119  | 0.4  | <0.02 |
| 11AN0159A | Soil                             | 8.9  | 14.0 | 0.43 | 368.2 | 0.038 | 3    | 1.21 | 0.017 | 0.04 | 0.1  | 2.8  | 0.06 | 0.11  | 87   | 0.3  | <0.02 |
| 11AN0160A | Soil                             | 8.2  | 15.8 | 0.42 | 198.1 | 0.044 | 1    | 1.64 | 0.013 | 0.05 | 0.1  | 2.4  | 0.06 | 0.07  | 123  | 0.2  | <0.02 |
| 11AN0161A | Soil                             | 7.1  | 15.3 | 0.58 | 169.7 | 0.061 | <1   | 1.72 | 0.013 | 0.04 | 0.1  | 2.8  | 0.06 | 0.05  | 73   | 0.2  | <0.02 |
| 11AN0162A | Soil                             | 7.1  | 17.6 | 0.54 | 142.1 | 0.060 | <1   | 1.68 | 0.011 | 0.04 | 0.1  | 2.4  | 0.05 | 0.03  | 56   | 0.2  | <0.02 |
| 11AN0163A | Soil                             | 5.6  | 9.8  | 0.07 | 128.2 | 0.014 | 1    | 0.61 | 0.012 | 0.04 | <0.1 | 0.4  | 0.03 | 0.07  | 83   | 0.3  | <0.02 |
| 11AN0164A | Soil                             | 5.0  | 11.3 | 0.13 | 97.3  | 0.018 | <1   | 0.76 | 0.013 | 0.03 | <0.1 | 0.3  | 0.04 | 0.05  | 80   | 0.2  | 0.02  |
| 11AN0165A | Soil                             | 5.1  | 10.0 | 0.06 | 118.3 | 0.003 | <1   | 0.79 | 0.011 | 0.03 | <0.1 | 0.1  | 0.03 | 0.06  | 54   | 0.1  | <0.02 |
| 11AN0166A | Soil                             | 7.2  | 13.3 | 0.13 | 109.3 | 0.028 | <1   | 0.92 | 0.009 | 0.03 | <0.1 | 0.6  | 0.06 | <0.02 | 25   | <0.1 | <0.02 |
| 11AN0167A | Soil                             | 6.4  | 12.8 | 0.09 | 130.3 | 0.026 | <1   | 0.68 | 0.008 | 0.03 | <0.1 | 0.8  | 0.05 | 0.03  | 49   | 0.2  | <0.02 |
| 11AN0168A | Soil                             | 8.3  | 8.9  | 0.07 | 239.3 | 0.016 | <1   | 0.47 | 0.015 | 0.07 | <0.1 | 0.5  | 0.04 | 0.05  | 72   | 0.2  | 0.02  |
| 11AN0169A | Soil                             | 13.8 | 24.3 | 0.40 | 1206  | 0.017 | 4    | 0.78 | 0.014 | 0.04 | <0.1 | 2.3  | 0.07 | 0.19  | 112  | 0.7  | 0.08  |
| 11AN0170A | Soil                             | 5.9  | 11.8 | 0.08 | 130.5 | 0.023 | <1   | 0.45 | 0.011 | 0.05 | <0.1 | 0.6  | 0.03 | 0.03  | 56   | 0.2  | <0.02 |
| 11AN0171A | Soil                             | 7.6  | 12.8 | 0.15 | 162.9 | 0.024 | <1   | 0.77 | 0.009 | 0.09 | <0.1 | 0.7  | 0.06 | 0.03  | 45   | 0.1  | 0.03  |
| 11AN0172A | Soil                             | 15.3 | 15.2 | 0.18 | 226.5 | 0.031 | <1   | 1.20 | 0.010 | 0.10 | <0.1 | 1.6  | 0.10 | 0.02  | 42   | 0.1  | 0.05  |



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**Project:** Mariposa  
**Report Date:** November 18, 2011

**Page:** 8 of 8 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      | 1F15       |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|------------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        | P          |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11AN0173A | Soil                             | 1.46        | 18.29       | 8.60        | 25.3       | 578      | 11.2       | 2.5        | 98       | 0.77      | 0.9        | 1.0        | 3.4        | 0.2        | 37.4       | 0.96        | 0.19        | 0.12        | 16       | 0.45      | 0.078      |
| 11AN0174A | Soil                             | 1.79        | 12.22       | 5.21        | 19.5       | 154      | 5.5        | 1.2        | 128      | 0.51      | 0.4        | 0.3        | 0.9        | <0.1       | 12.3       | 0.49        | 0.13        | 0.09        | 15       | 0.19      | 0.048      |
| 11AN0175A | Soil                             | 2.14        | 19.59       | 7.41        | 33.8       | 246      | 7.0        | 2.0        | 99       | 0.81      | 0.9        | 0.3        | <0.2       | <0.1       | 13.9       | 0.79        | 0.19        | 0.14        | 25       | 0.20      | 0.037      |
| 11AN0176A | Soil                             | 3.34        | 28.87       | 6.32        | 45.3       | 531      | 8.1        | 3.3        | 292      | 1.26      | 2.1        | 1.0        | 6.3        | 0.7        | 66.7       | 0.43        | 0.22        | 0.16        | 24       | 1.66      | 0.057      |
| 11AN0177A | Soil                             | 4.47        | 29.32       | 11.42       | 52.3       | 415      | 14.9       | 6.0        | 684      | 1.61      | 2.4        | 1.4        | 2.7        | 1.7        | 35.5       | 0.70        | 0.28        | 0.18        | 35       | 0.43      | 0.081      |
| 11AN0178A | Soil                             | 1.34        | 20.11       | 3.62        | 44.1       | 337      | 14.5       | 2.4        | 275      | 0.59      | 1.0        | 0.6        | <0.2       | 0.1        | 40.4       | 2.19        | 0.17        | 0.07        | 11       | 0.67      | 0.087      |
| 11AN0179A | Soil                             | 1.22        | 40.46       | 12.56       | 40.2       | 891      | 25.0       | 5.7        | 185      | 1.78      | 2.8        | 1.6        | 3.4        | 0.7        | 31.3       | 1.51        | 0.32        | 0.20        | 34       | 0.29      | 0.062      |
| 11AN0180A | Soil                             | 1.47        | 33.37       | 7.31        | 39.3       | 371      | 17.7       | 6.5        | 410      | 1.52      | 3.7        | 0.8        | 1.4        | 0.3        | 45.1       | 1.07        | 0.32        | 0.16        | 34       | 0.41      | 0.085      |
| 11AN0181A | Soil                             | 1.54        | 35.22       | 10.03       | 33.8       | 583      | 14.9       | 4.8        | 122      | 1.67      | 4.3        | 0.8        | 1.4        | 0.3        | 21.5       | 0.93        | 0.35        | 0.18        | 39       | 0.15      | 0.068      |
| 11AN0182A | Soil                             | 1.69        | 28.57       | 12.63       | 34.2       | 570      | 12.3       | 4.2        | 158      | 1.80      | 3.8        | 1.1        | 2.2        | 1.1        | 25.4       | 0.50        | 0.31        | 0.21        | 42       | 0.21      | 0.037      |
| 11AN0183A | Soil                             | 2.43        | 34.31       | 11.66       | 44.8       | 599      | 11.4       | 5.5        | 125      | 2.01      | 3.2        | 3.0        | 3.7        | 1.8        | 32.1       | 0.49        | 0.32        | 0.25        | 29       | 0.31      | 0.087      |
| 11AN0184A | Soil                             | 1.05        | 18.55       | 11.94       | 61.7       | 186      | 13.2       | 5.6        | 147      | 1.89      | 4.3        | 1.5        | 2.8        | 4.8        | 24.9       | 0.17        | 0.31        | 0.17        | 37       | 0.26      | 0.058      |
| 11AN0185A | Soil                             | 1.57        | 17.18       | 8.79        | 40.3       | 234      | 11.2       | 4.9        | 131      | 1.75      | 3.9        | 1.5        | 4.4        | 2.0        | 32.3       | 0.18        | 0.33        | 0.15        | 27       | 0.40      | 0.076      |
| 11AN0186A | Soil                             | 1.64        | 16.52       | 8.29        | 44.1       | 193      | 11.6       | 4.5        | 115      | 1.85      | 4.0        | 1.3        | 4.4        | 1.8        | 26.3       | 0.28        | 0.32        | 0.15        | 28       | 0.28      | 0.067      |
| 11AN0187A | Soil                             | 1.70        | 13.63       | 8.92        | 33.1       | 235      | 8.6        | 3.4        | 76       | 1.78      | 4.9        | 1.4        | 5.8        | 0.8        | 24.5       | 0.16        | 0.26        | 0.13        | 21       | 0.27      | 0.084      |
| 11AN0188A | Soil                             | 1.22        | 8.82        | 7.67        | 34.4       | 95       | 8.6        | 3.1        | 87       | 1.45      | 3.0        | 0.8        | 6.9        | 1.4        | 17.2       | 0.10        | 0.20        | 0.13        | 24       | 0.18      | 0.042      |
| 11AN0189A | Soil                             | 1.05        | 13.54       | 8.18        | 37.1       | 191      | 10.3       | 4.2        | 103      | 1.65      | 3.7        | 1.2        | 6.3        | 1.5        | 19.5       | 0.14        | 0.24        | 0.14        | 27       | 0.20      | 0.055      |
| 11AN0190A | Soil                             | 1.28        | 23.74       | 8.94        | 41.8       | 301      | 13.8       | 5.4        | 120      | 2.13      | 4.9        | 2.2        | 2.7        | 2.0        | 24.7       | 0.24        | 0.34        | 0.18        | 35       | 0.24      | 0.073      |
| 11AN0191A | Soil                             | 1.18        | 24.09       | 6.54        | 27.4       | 201      | 13.4       | 4.8        | 111      | 1.30      | 1.9        | 2.2        | 0.9        | 0.6        | 45.1       | 0.35        | 0.40        | 0.09        | 14       | 0.53      | 0.110      |
| 11AN0192A | Soil                             | 1.21        | 22.44       | 9.72        | 44.7       | 337      | 17.2       | 6.6        | 125      | 2.49      | 5.9        | 2.1        | 3.3        | 2.5        | 28.8       | 0.19        | 0.45        | 0.20        | 45       | 0.27      | 0.066      |
| 11AN0193A | Soil                             | 1.09        | 39.91       | 12.14       | 53.6       | 686      | 19.2       | 5.6        | 124      | 2.47      | 4.4        | 4.4        | 1.8        | 2.1        | 42.5       | 0.64        | 0.43        | 0.21        | 33       | 0.45      | 0.108      |
| 11AN0194A | Soil                             | 1.41        | 28.72       | 9.40        | 39.1       | 501      | 20.8       | 5.8        | 121      | 1.66      | 3.1        | 1.3        | 3.6        | 1.1        | 27.4       | 1.13        | 0.29        | 0.17        | 28       | 0.24      | 0.101      |
| 11AN0195A | Soil                             | 0.86        | 30.81       | 13.03       | 31.2       | 380      | 10.8       | 2.9        | 76       | 1.37      | 2.2        | 2.1        | 1.8        | 0.3        | 29.3       | 0.67        | 0.20        | 0.18        | 23       | 0.24      | 0.053      |
| 11AN0196A | Soil                             | 0.95        | 23.40       | 10.87       | 44.7       | 591      | 11.1       | 4.7        | 84       | 1.68      | 3.0        | 2.3        | 2.4        | 2.1        | 32.2       | 0.42        | 0.24        | 0.22        | 27       | 0.29      | 0.063      |
| 11AN0197A | Soil                             | 1.13        | 18.37       | 10.14       | 51.4       | 336      | 8.8        | 2.8        | 153      | 1.50      | 3.4        | 0.7        | 0.5        | 0.3        | 23.0       | 0.61        | 0.28        | 0.18        | 33       | 0.25      | 0.056      |
| 11AN0198A | Soil                             | 1.21        | 20.52       | 11.14       | 53.8       | 195      | 10.4       | 4.3        | 105      | 1.92      | 4.2        | 1.9        | 1.0        | 0.7        | 25.3       | 0.52        | 0.28        | 0.21        | 32       | 0.22      | 0.061      |
| 11AN0199A | Soil                             | 1.74        | 39.96       | 16.08       | 54.6       | 267      | 18.8       | 7.2        | 136      | 2.29      | 4.9        | 4.9        | 0.6        | 0.5        | 40.8       | 0.76        | 0.47        | 0.26        | 33       | 0.34      | 0.087      |
| 11AN0200A | Soil                             | 1.69        | 25.49       | 10.47       | 44.9       | 308      | 11.4       | 4.1        | 97       | 1.58      | 2.9        | 2.6        | 2.1        | 1.1        | 37.6       | 0.47        | 0.52        | 0.64        | 15       | 0.35      | 0.093      |



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**Project:** Mariposa  
**Report Date:** November 18, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001203.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La    | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0173A | Soil                             | 25.7  | 12.7 | 0.13 | 468.3 | 0.014 | <1   | 0.70 | 0.013 | 0.08 | <0.1 | 1.0  | 0.05 | 0.06  | 79   | 0.2  | <0.02 |
| 11AN0174A | Soil                             | 5.0   | 10.7 | 0.06 | 126.0 | 0.017 | <1   | 0.30 | 0.015 | 0.09 | <0.1 | 0.5  | 0.03 | 0.03  | 70   | <0.1 | <0.02 |
| 11AN0175A | Soil                             | 5.3   | 10.2 | 0.05 | 195.2 | 0.011 | <1   | 0.47 | 0.011 | 0.07 | <0.1 | 0.3  | 0.04 | 0.03  | 33   | <0.1 | 0.02  |
| 11AN0176A | Soil                             | 27.7  | 12.1 | 0.34 | 495.0 | 0.025 | 1    | 0.97 | 0.012 | 0.06 | 0.1  | 1.8  | 0.09 | 0.10  | 72   | 0.2  | 0.04  |
| 11AN0177A | Soil                             | 52.3  | 17.9 | 0.20 | 623.4 | 0.034 | <1   | 1.05 | 0.011 | 0.10 | 0.1  | 2.2  | 0.07 | 0.04  | 60   | <0.1 | <0.02 |
| 11AN0178A | Soil                             | 35.9  | 9.4  | 0.10 | 683.6 | 0.012 | 1    | 0.31 | 0.015 | 0.08 | <0.1 | 0.6  | 0.03 | 0.09  | 84   | 0.1  | <0.02 |
| 11AN0179A | Soil                             | 103.7 | 20.3 | 0.20 | 432.6 | 0.028 | <1   | 1.44 | 0.016 | 0.08 | <0.1 | 1.7  | 0.06 | 0.04  | 68   | <0.1 | <0.02 |
| 11AN0180A | Soil                             | 41.7  | 16.6 | 0.18 | 451.0 | 0.022 | <1   | 1.03 | 0.010 | 0.07 | <0.1 | 1.0  | 0.05 | 0.03  | 59   | 0.3  | 0.03  |
| 11AN0181A | Soil                             | 32.3  | 16.8 | 0.17 | 257.7 | 0.022 | <1   | 1.09 | 0.009 | 0.06 | <0.1 | 1.0  | 0.06 | 0.03  | 62   | 0.3  | 0.03  |
| 11AN0182A | Soil                             | 31.9  | 20.2 | 0.22 | 252.0 | 0.043 | <1   | 1.24 | 0.009 | 0.07 | <0.1 | 1.7  | 0.08 | <0.02 | 50   | 0.3  | 0.05  |
| 11AN0183A | Soil                             | 95.6  | 18.7 | 0.23 | 339.2 | 0.038 | <1   | 1.55 | 0.007 | 0.10 | 0.2  | 3.0  | 0.11 | 0.09  | 83   | 0.3  | 0.08  |
| 11AN0184A | Soil                             | 25.5  | 23.9 | 0.38 | 167.3 | 0.052 | <1   | 1.55 | 0.011 | 0.06 | 0.2  | 3.1  | 0.09 | 0.03  | 49   | 0.3  | 0.04  |
| 11AN0185A | Soil                             | 28.2  | 19.5 | 0.26 | 222.3 | 0.030 | <1   | 1.19 | 0.011 | 0.04 | 0.1  | 2.6  | 0.07 | 0.07  | 78   | 0.3  | 0.03  |
| 11AN0186A | Soil                             | 21.1  | 21.7 | 0.27 | 193.4 | 0.033 | <1   | 1.16 | 0.011 | 0.04 | 0.1  | 2.3  | 0.08 | 0.07  | 86   | 0.3  | 0.02  |
| 11AN0187A | Soil                             | 18.0  | 17.8 | 0.18 | 196.9 | 0.020 | <1   | 0.81 | 0.010 | 0.03 | 0.2  | 1.6  | 0.06 | 0.09  | 83   | 0.4  | <0.02 |
| 11AN0188A | Soil                             | 12.7  | 19.1 | 0.24 | 128.4 | 0.034 | <1   | 1.15 | 0.008 | 0.05 | 0.1  | 1.7  | 0.08 | 0.04  | 54   | 0.3  | 0.02  |
| 11AN0189A | Soil                             | 19.5  | 21.7 | 0.25 | 166.2 | 0.032 | <1   | 1.32 | 0.008 | 0.04 | 0.1  | 2.0  | 0.07 | 0.05  | 84   | 0.3  | 0.04  |
| 11AN0190A | Soil                             | 29.0  | 27.3 | 0.26 | 258.5 | 0.035 | <1   | 1.72 | 0.008 | 0.06 | 0.2  | 3.2  | 0.07 | 0.07  | 122  | 0.4  | 0.03  |
| 11AN0191A | Soil                             | 50.6  | 14.1 | 0.12 | 350.3 | 0.017 | 2    | 0.73 | 0.014 | 0.04 | <0.1 | 1.9  | 0.03 | 0.12  | 137  | 0.3  | 0.03  |
| 11AN0192A | Soil                             | 54.3  | 28.3 | 0.28 | 344.0 | 0.043 | <1   | 2.10 | 0.008 | 0.06 | 0.2  | 3.8  | 0.08 | 0.07  | 93   | 0.3  | 0.05  |
| 11AN0193A | Soil                             | 69.6  | 23.8 | 0.24 | 394.5 | 0.023 | <1   | 1.82 | 0.010 | 0.05 | 0.1  | 5.2  | 0.06 | 0.10  | 210  | 0.3  | 0.02  |
| 11AN0194A | Soil                             | 30.5  | 22.0 | 0.21 | 391.3 | 0.032 | <1   | 1.22 | 0.009 | 0.09 | 0.1  | 2.2  | 0.07 | 0.05  | 90   | 0.3  | <0.02 |
| 11AN0195A | Soil                             | 34.4  | 17.4 | 0.13 | 307.4 | 0.017 | <1   | 1.12 | 0.012 | 0.04 | <0.1 | 1.0  | 0.05 | 0.05  | 74   | 0.3  | 0.03  |
| 11AN0196A | Soil                             | 35.3  | 19.0 | 0.20 | 318.6 | 0.028 | <1   | 1.42 | 0.009 | 0.05 | <0.1 | 3.3  | 0.09 | 0.05  | 152  | 0.2  | 0.05  |
| 11AN0197A | Soil                             | 12.5  | 15.5 | 0.16 | 169.7 | 0.024 | <1   | 0.91 | 0.008 | 0.07 | 0.1  | 0.9  | 0.05 | 0.03  | 59   | 0.2  | 0.04  |
| 11AN0198A | Soil                             | 22.1  | 18.3 | 0.23 | 209.8 | 0.026 | <1   | 1.30 | 0.008 | 0.06 | 0.1  | 1.7  | 0.07 | 0.05  | 80   | 0.3  | 0.05  |
| 11AN0199A | Soil                             | 52.2  | 20.9 | 0.21 | 389.2 | 0.018 | 1    | 1.72 | 0.011 | 0.06 | 0.1  | 2.3  | 0.06 | 0.07  | 145  | 0.3  | 0.06  |
| 11AN0200A | Soil                             | 25.6  | 15.6 | 0.17 | 279.5 | 0.012 | 2    | 0.82 | 0.015 | 0.04 | 0.1  | 1.6  | 0.05 | 0.09  | 136  | 0.2  | 0.06  |



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Project: Mariposa

Report Date: November 18, 2011

Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001203.1

| Method<br>Analyte<br>Unit<br>MDL |          | 1F15  | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------------------------|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|
|                                  |          | Mo    | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au    | Th   | Sr   | Cd   | Sb   | Bi   | V    | Ca   |
|                                  |          | ppm   | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | %    |
|                                  |          | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2   | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| Pulp Duplicates                  |          |       |       |       |       |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |
| 11CB0825A                        | Soil     | 1.24  | 15.49 | 5.60  | 26.3  | 462  | 7.6  | 5.7  | 1890 | 0.79 | 1.2  | 0.2  | <0.2  | <0.1 | 56.4 | 0.49 | 0.19 | 0.10 | 22   | 0.38 |
| REP 11CB0825A                    | QC       | 1.23  | 13.81 | 5.27  | 22.3  | 445  | 7.0  | 5.3  | 1790 | 0.75 | 1.0  | 0.2  | 3.5   | <0.1 | 51.0 | 0.45 | 0.20 | 0.10 | 21   | 0.35 |
| 11CB0841A                        | Soil     | 1.48  | 27.31 | 11.29 | 61.3  | 373  | 11.5 | 3.7  | 305  | 1.79 | 2.7  | 1.6  | 2.0   | 7.5  | 32.7 | 0.57 | 0.21 | 0.19 | 27   | 0.35 |
| REP 11CB0841A                    | QC       | 1.55  | 30.11 | 11.95 | 64.0  | 396  | 13.5 | 4.2  | 327  | 1.91 | 3.1  | 1.8  | 1.7   | 8.1  | 35.5 | 0.70 | 0.26 | 0.22 | 29   | 0.36 |
| 11CB0861A                        | Soil     | 4.22  | 15.83 | 9.52  | 35.6  | 301  | 9.3  | 3.1  | 129  | 1.29 | 3.3  | 0.7  | 4.1   | 0.4  | 31.4 | 0.67 | 0.27 | 0.17 | 25   | 0.23 |
| REP 11CB0861A                    | QC       | 4.31  | 15.43 | 9.52  | 36.8  | 309  | 9.0  | 3.5  | 131  | 1.31 | 3.2  | 0.8  | 12.2  | 0.4  | 31.6 | 0.69 | 0.26 | 0.17 | 26   | 0.23 |
| 11CB0876A                        | Soil     | 1.34  | 12.78 | 7.89  | 38.9  | 171  | 8.3  | 3.9  | 105  | 1.85 | 4.1  | 1.3  | 2.9   | 1.1  | 22.3 | 0.09 | 0.26 | 0.15 | 25   | 0.26 |
| REP 11CB0876A                    | QC       | 1.27  | 12.47 | 7.82  | 38.8  | 169  | 8.5  | 3.7  | 104  | 1.90 | 3.7  | 1.4  | 2.5   | 1.2  | 22.2 | 0.11 | 0.27 | 0.15 | 27   | 0.26 |
| 11CB0887A                        | Soil     | 1.11  | 21.02 | 8.13  | 31.1  | 479  | 12.4 | 4.1  | 86   | 1.51 | 2.3  | 2.2  | 1.6   | 0.5  | 35.1 | 0.33 | 0.32 | 0.13 | 20   | 0.34 |
| REP 11CB0887A                    | QC       | 1.08  | 22.54 | 8.27  | 31.0  | 486  | 13.0 | 4.4  | 88   | 1.54 | 2.4  | 2.2  | 1.7   | 0.5  | 36.5 | 0.29 | 0.32 | 0.14 | 20   | 0.36 |
| 11CB0900A                        | Soil     | 0.83  | 11.30 | 6.32  | 13.4  | 114  | 4.4  | 1.7  | 51   | 0.96 | 2.2  | 0.3  | 1.3   | <0.1 | 20.1 | 0.25 | 0.16 | 0.14 | 27   | 0.07 |
| REP 11CB0900A                    | QC       | 0.84  | 11.52 | 6.42  | 13.9  | 118  | 5.0  | 1.7  | 51   | 0.98 | 2.5  | 0.3  | 0.8   | <0.1 | 20.4 | 0.23 | 0.17 | 0.14 | 28   | 0.08 |
| 11AN0115A                        | Soil     | 0.85  | 35.79 | 5.31  | 37.1  | 141  | 10.8 | 6.5  | 207  | 2.09 | 3.3  | 0.5  | 0.4   | 0.6  | 20.4 | 0.12 | 0.21 | 0.10 | 49   | 0.25 |
| REP 11AN0115A                    | QC       | 0.82  | 34.14 | 5.02  | 36.6  | 139  | 10.9 | 6.2  | 199  | 2.10 | 3.1  | 0.5  | 0.9   | 0.6  | 19.8 | 0.10 | 0.21 | 0.10 | 50   | 0.25 |
| 11AN0141A                        | Soil     | 0.84  | 11.96 | 5.30  | 25.0  | 45   | 7.8  | 3.2  | 98   | 1.04 | 1.4  | 0.2  | <0.2  | 0.3  | 18.7 | 0.47 | 0.25 | 0.16 | 32   | 0.11 |
| REP 11AN0141A                    | QC       | 0.76  | 12.13 | 5.51  | 25.5  | 54   | 7.5  | 3.3  | 99   | 1.05 | 1.2  | 0.3  | <0.2  | 0.2  | 19.3 | 0.46 | 0.26 | 0.16 | 32   | 0.12 |
| 11AN0158A                        | Soil     | 1.86  | 16.83 | 5.48  | 69.8  | 134  | 14.5 | 29.4 | 3481 | 4.45 | 10.0 | 1.6  | 2.8   | 2.7  | 67.4 | 0.51 | 0.37 | 0.07 | 58   | 1.18 |
| REP 11AN0158A                    | QC       | 1.85  | 16.63 | 5.79  | 70.7  | 124  | 14.9 | 30.1 | 3498 | 4.35 | 10.0 | 1.7  | <0.2  | 2.7  | 67.7 | 0.50 | 0.33 | 0.05 | 57   | 1.19 |
| 11AN0164A                        | Soil     | 0.75  | 9.24  | 5.02  | 16.0  | 120  | 4.6  | 1.9  | 70   | 0.88 | 1.1  | 0.4  | <0.2  | <0.1 | 28.6 | 0.18 | 0.11 | 0.08 | 22   | 0.23 |
| REP 11AN0164A                    | QC       | 0.74  | 9.10  | 5.30  | 16.3  | 129  | 4.8  | 1.9  | 70   | 0.87 | 0.9  | 0.4  | <0.2  | <0.1 | 29.1 | 0.21 | 0.12 | 0.07 | 22   | 0.23 |
| 11AN0182A                        | Soil     | 1.69  | 28.57 | 12.63 | 34.2  | 570  | 12.3 | 4.2  | 158  | 1.80 | 3.8  | 1.1  | 2.2   | 1.1  | 25.4 | 0.50 | 0.31 | 0.21 | 42   | 0.21 |
| REP 11AN0182A                    | QC       | 1.65  | 27.76 | 12.53 | 33.8  | 551  | 11.7 | 4.3  | 170  | 1.84 | 3.9  | 1.0  | 1.7   | 1.1  | 25.4 | 0.47 | 0.32 | 0.23 | 44   | 0.21 |
| 11AN0200A                        | Soil     | 1.69  | 25.49 | 10.47 | 44.9  | 308  | 11.4 | 4.1  | 97   | 1.58 | 2.9  | 2.6  | 2.1   | 1.1  | 37.6 | 0.47 | 0.52 | 0.64 | 15   | 0.35 |
| REP 11AN0200A                    | QC       | 1.53  | 24.55 | 9.39  | 40.4  | 305  | 10.8 | 4.1  | 92   | 1.55 | 2.2  | 2.4  | 3.5   | <0.1 | 34.1 | 0.46 | 0.29 | 0.25 | 16   | 0.33 |
| Reference Materials              |          |       |       |       |       |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |
| STD DS8                          | Standard | 12.16 | 104.8 | 121.8 | 301.4 | 1799 | 38.1 | 7.5  | 596  | 2.41 | 23.2 | 2.5  | 114.8 | 5.6  | 57.3 | 2.20 | 4.81 | 5.81 | 39   | 0.67 |
| STD DS8                          | Standard | 13.53 | 114.6 | 134.0 | 319.2 | 1886 | 38.9 | 7.9  | 623  | 2.56 | 25.5 | 3.0  | 125.6 | 7.0  | 68.3 | 2.47 | 6.00 | 6.96 | 41   | 0.74 |
| STD DS8                          | Standard | 12.81 | 106.2 | 122.2 | 309.4 | 1771 | 37.7 | 7.2  | 607  | 2.41 | 24.5 | 2.8  | 104.9 | 7.1  | 67.5 | 2.16 | 5.81 | 7.00 | 41   | 0.72 |



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Project: Mariposa

Report Date: November 18, 2011

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## QUALITY CONTROL REPORT

WHI11001203.1

| Method<br>Analyte<br>Unit<br>MDL |          | 1F15<br>La<br>ppm<br>0.5 | 1F15<br>Cr<br>ppm<br>0.5 | 1F15<br>Mg<br>%<br>0.01 | 1F15<br>Ba<br>ppm<br>0.5 | 1F15<br>Ti<br>%<br>0.001 | 1F15<br>B<br>ppm<br>1 | 1F15<br>Al<br>%<br>0.01 | 1F15<br>Na<br>%<br>0.001 | 1F15<br>K<br>%<br>0.01 | 1F15<br>W<br>ppm<br>0.1 | 1F15<br>Sc<br>ppm<br>0.1 | 1F15<br>Ti<br>ppm<br>0.02 | 1F15<br>S<br>%<br>0.02 | 1F15<br>Hg<br>ppb<br>5 | 1F15<br>Se<br>ppm<br>0.1 | 1F15<br>Te<br>ppm<br>0.02 | 1F15<br>Ga<br>ppm<br>0.1 |
|----------------------------------|----------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|
| Pulp Duplicates                  |          |                          |                          |                         |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| 11CB0825A                        | Soil     | 4.3                      | 11.9                     | 0.12                    | 367.5                    | 0.022                    | 1                     | 0.42                    | 0.018                    | 0.08                   | <0.1                    | 0.5                      | 0.07                      | 0.04                   | 114                    | 0.4                      | 0.03                      | 2.5                      |
| REP 11CB0825A                    | QC       | 4.0                      | 9.7                      | 0.12                    | 340.1                    | 0.019                    | 1                     | 0.38                    | 0.017                    | 0.07                   | 0.1                     | 0.4                      | 0.06                      | 0.04                   | 92                     | 0.6                      | <0.02                     | 2.3                      |
| 11CB0841A                        | Soil     | 38.0                     | 23.3                     | 0.26                    | 293.7                    | 0.055                    | 2                     | 1.19                    | 0.018                    | 0.33                   | <0.1                    | 3.6                      | 0.04                      | <0.02                  | 9                      | 0.3                      | 0.03                      | 4.5                      |
| REP 11CB0841A                    | QC       | 40.5                     | 25.8                     | 0.28                    | 312.6                    | 0.061                    | 2                     | 1.33                    | 0.020                    | 0.36                   | <0.1                    | 4.0                      | 0.03                      | <0.02                  | 13                     | 0.2                      | 0.04                      | 5.0                      |
| 11CB0861A                        | Soil     | 9.2                      | 13.1                     | 0.14                    | 273.6                    | 0.018                    | <1                    | 0.69                    | 0.010                    | 0.06                   | <0.1                    | 1.5                      | 0.05                      | 0.08                   | 77                     | <0.1                     | <0.02                     | 2.6                      |
| REP 11CB0861A                    | QC       | 9.2                      | 13.1                     | 0.14                    | 270.6                    | 0.019                    | 3                     | 0.72                    | 0.010                    | 0.07                   | <0.1                    | 1.6                      | 0.05                      | 0.08                   | 87                     | 0.2                      | <0.02                     | 2.7                      |
| 11CB0876A                        | Soil     | 18.3                     | 18.6                     | 0.25                    | 198.7                    | 0.028                    | <1                    | 1.04                    | 0.008                    | 0.05                   | 0.1                     | 1.7                      | 0.08                      | 0.06                   | 67                     | 0.3                      | <0.02                     | 4.0                      |
| REP 11CB0876A                    | QC       | 18.5                     | 18.3                     | 0.26                    | 194.7                    | 0.036                    | <1                    | 1.07                    | 0.008                    | 0.06                   | <0.1                    | 1.8                      | 0.09                      | 0.06                   | 62                     | 0.5                      | 0.02                      | 4.2                      |
| 11CB0887A                        | Soil     | 59.0                     | 18.3                     | 0.17                    | 330.4                    | 0.024                    | 1                     | 1.16                    | 0.011                    | 0.05                   | <0.1                    | 1.9                      | 0.06                      | 0.09                   | 127                    | 0.3                      | 0.03                      | 2.9                      |
| REP 11CB0887A                    | QC       | 60.5                     | 18.0                     | 0.18                    | 336.1                    | 0.026                    | 2                     | 1.21                    | 0.011                    | 0.05                   | <0.1                    | 1.8                      | 0.06                      | 0.10                   | 124                    | 0.3                      | 0.03                      | 3.0                      |
| 11CB0900A                        | Soil     | 4.9                      | 10.7                     | 0.08                    | 112.0                    | 0.014                    | <1                    | 0.69                    | 0.011                    | 0.03                   | <0.1                    | 0.4                      | 0.04                      | 0.04                   | 77                     | 0.4                      | 0.06                      | 3.4                      |
| REP 11CB0900A                    | QC       | 5.1                      | 11.4                     | 0.08                    | 113.9                    | 0.014                    | <1                    | 0.73                    | 0.011                    | 0.03                   | <0.1                    | 0.4                      | 0.03                      | 0.05                   | 80                     | 0.4                      | <0.02                     | 3.4                      |
| 11AN0115A                        | Soil     | 8.1                      | 24.0                     | 0.46                    | 101.5                    | 0.080                    | <1                    | 1.26                    | 0.016                    | 0.08                   | 0.2                     | 2.4                      | 0.05                      | 0.03                   | 60                     | 0.2                      | 0.02                      | 5.6                      |
| REP 11AN0115A                    | QC       | 7.6                      | 22.2                     | 0.45                    | 95.2                     | 0.079                    | <1                    | 1.25                    | 0.016                    | 0.08                   | 0.2                     | 2.3                      | 0.05                      | 0.03                   | 52                     | <0.1                     | 0.04                      | 5.6                      |
| 11AN0141A                        | Soil     | 7.2                      | 14.1                     | 0.10                    | 129.2                    | 0.039                    | <1                    | 0.62                    | 0.015                    | 0.04                   | <0.1                    | 0.9                      | 0.04                      | <0.02                  | 36                     | <0.1                     | 0.04                      | 3.5                      |
| REP 11AN0141A                    | QC       | 7.4                      | 12.8                     | 0.11                    | 132.1                    | 0.039                    | <1                    | 0.63                    | 0.015                    | 0.04                   | <0.1                    | 0.9                      | 0.05                      | <0.02                  | 51                     | <0.1                     | <0.02                     | 3.6                      |
| 11AN0158A                        | Soil     | 33.1                     | 20.8                     | 0.51                    | 415.8                    | 0.049                    | 3                     | 1.45                    | 0.016                    | 0.05                   | 0.1                     | 4.1                      | 0.09                      | 0.10                   | 119                    | 0.4                      | <0.02                     | 4.7                      |
| REP 11AN0158A                    | QC       | 33.3                     | 20.6                     | 0.52                    | 417.8                    | 0.050                    | 2                     | 1.44                    | 0.016                    | 0.05                   | 0.1                     | 4.1                      | 0.09                      | 0.10                   | 103                    | 0.2                      | <0.02                     | 4.8                      |
| 11AN0164A                        | Soil     | 5.0                      | 11.3                     | 0.13                    | 97.3                     | 0.018                    | <1                    | 0.76                    | 0.013                    | 0.03                   | <0.1                    | 0.3                      | 0.04                      | 0.05                   | 80                     | 0.2                      | 0.02                      | 4.6                      |
| REP 11AN0164A                    | QC       | 5.0                      | 11.1                     | 0.13                    | 98.9                     | 0.018                    | <1                    | 0.75                    | 0.014                    | 0.03                   | <0.1                    | 0.3                      | 0.04                      | 0.05                   | 61                     | 0.2                      | <0.02                     | 4.4                      |
| 11AN0182A                        | Soil     | 31.9                     | 20.2                     | 0.22                    | 252.0                    | 0.043                    | <1                    | 1.24                    | 0.009                    | 0.07                   | <0.1                    | 1.7                      | 0.08                      | <0.02                  | 50                     | 0.3                      | 0.05                      | 5.5                      |
| REP 11AN0182A                    | QC       | 31.6                     | 21.0                     | 0.21                    | 244.6                    | 0.042                    | <1                    | 1.27                    | 0.009                    | 0.07                   | <0.1                    | 1.7                      | 0.08                      | <0.02                  | 43                     | 0.2                      | 0.06                      | 5.5                      |
| 11AN0200A                        | Soil     | 25.6                     | 15.6                     | 0.17                    | 279.5                    | 0.012                    | 2                     | 0.82                    | 0.015                    | 0.04                   | 0.1                     | 1.6                      | 0.05                      | 0.09                   | 136                    | 0.2                      | 0.06                      | 2.6                      |
| REP 11AN0200A                    | QC       | 23.6                     | 14.6                     | 0.16                    | 256.2                    | 0.017                    | 1                     | 0.82                    | 0.011                    | 0.05                   | 0.1                     | 1.7                      | 0.06                      | 0.09                   | 122                    | 0.1                      | 0.05                      | 2.7                      |
| Reference Materials              |          |                          |                          |                         |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8                          | Standard | 13.2                     | 115.8                    | 0.59                    | 250.7                    | 0.098                    | 2                     | 0.93                    | 0.106                    | 0.43                   | 2.8                     | 2.1                      | 5.63                      | 0.16                   | 208                    | 5.0                      | 4.91                      | 4.6                      |
| STD DS8                          | Standard | 15.7                     | 124.7                    | 0.62                    | 281.8                    | 0.115                    | 2                     | 1.02                    | 0.096                    | 0.46                   | 2.9                     | 2.4                      | 5.77                      | 0.16                   | 221                    | 5.2                      | 5.20                      | 4.9                      |
| STD DS8                          | Standard | 16.5                     | 120.5                    | 0.61                    | 268.6                    | 0.114                    | 2                     | 0.99                    | 0.106                    | 0.43                   | 2.8                     | 2.4                      | 5.27                      | 0.16                   | 198                    | 4.8                      | 4.58                      | 4.4                      |



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Project: Mariposa

Report Date: November 18, 2011

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## QUALITY CONTROL REPORT

WHI11001203.1

|                  |          | 1F15<br>Mo<br>ppm<br>0.01 | 1F15<br>Cu<br>ppm<br>0.01 | 1F15<br>Pb<br>ppm<br>0.01 | 1F15<br>Zn<br>ppm<br>0.1 | 1F15<br>Ag<br>ppb<br>2 | 1F15<br>Ni<br>ppm<br>0.1 | 1F15<br>Co<br>ppm<br>0.1 | 1F15<br>Mn<br>ppm<br>1 | 1F15<br>Fe<br>%<br>0.01 | 1F15<br>As<br>ppm<br>0.1 | 1F15<br>U<br>ppm<br>0.1 | 1F15<br>Au<br>ppb<br>0.2 | 1F15<br>Th<br>ppm<br>0.1 | 1F15<br>Sr<br>ppm<br>0.5 | 1F15<br>Cd<br>ppm<br>0.01 | 1F15<br>Sb<br>ppm<br>0.02 | 1F15<br>Bi<br>ppm<br>0.02 | 1F15<br>V<br>ppm<br>2 | 1F15<br>Ca<br>%<br>0.01 | 1F15<br>P<br>%<br>0.001 |
|------------------|----------|---------------------------|---------------------------|---------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-------------------------|
| STD DS8          | Standard | 13.51                     | 113.4                     | 126.4                     | 323.3                    | 1852                   | 41.1                     | 7.9                      | 634                    | 2.57                    | 24.7                     | 3.0                     | 115.2                    | 7.4                      | 70.2                     | 2.39                      | 5.78                      | 7.22                      | 46                    | 0.73                    | 0.084                   |
| STD DS8          | Standard | 11.78                     | 104.2                     | 120.8                     | 294.6                    | 1749                   | 34.9                     | 6.8                      | 579                    | 2.37                    | 23.7                     | 2.6                     | 116.3                    | 6.4                      | 61.0                     | 2.25                      | 5.38                      | 6.82                      | 43                    | 0.64                    | 0.079                   |
| STD DS8          | Standard | 13.96                     | 108.7                     | 118.2                     | 311.6                    | 1697                   | 39.0                     | 7.8                      | 595                    | 2.40                    | 24.4                     | 2.8                     | 99.5                     | 6.9                      | 69.0                     | 2.25                      | 5.61                      | 6.53                      | 41                    | 0.73                    | 0.075                   |
| STD DS8          | Standard | 12.74                     | 103.9                     | 123.8                     | 303.1                    | 1864                   | 36.6                     | 6.9                      | 586                    | 2.34                    | 22.5                     | 2.6                     | 116.4                    | 6.5                      | 59.4                     | 2.27                      | 5.10                      | 5.82                      | 40                    | 0.67                    | 0.077                   |
| STD DS8 Expected |          | 13.44                     | 110                       | 123                       | 312                      | 1690                   | 38.1                     | 7.5                      | 615                    | 2.46                    | 26                       | 2.8                     | 107                      | 6.89                     | 67.7                     | 2.38                      | 5.7                       | 6.67                      | 41.1                  | 0.7                     | 0.08                    |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |



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**Project:** Mariposa

**Report Date:** November 18, 2011

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## QUALITY CONTROL REPORT

WHI11001203.1

|                  |          | 1F15<br>La<br>ppm<br>0.5 | 1F15<br>Cr<br>ppm<br>0.5 | 1F15<br>Mg<br>%<br>0.01 | 1F15<br>Ba<br>ppm<br>0.5 | 1F15<br>Ti<br>%<br>0.001 | 1F15<br>B<br>ppm<br>1 | 1F15<br>Al<br>%<br>0.01 | 1F15<br>Na<br>%<br>0.001 | 1F15<br>K<br>%<br>0.01 | 1F15<br>W<br>ppm<br>0.1 | 1F15<br>Sc<br>ppm<br>0.1 | 1F15<br>Ti<br>ppm<br>0.02 | 1F15<br>S<br>%<br>0.02 | 1F15<br>Hg<br>ppb<br>5 | 1F15<br>Se<br>ppm<br>0.1 | 1F15<br>Te<br>ppm<br>0.02 | 1F15<br>Ga<br>ppm<br>0.1 |
|------------------|----------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|
| STD DS8          | Standard | 16.2                     | 126.0                    | 0.63                    | 279.3                    | 0.121                    | 2                     | 1.01                    | 0.109                    | 0.44                   | 3.0                     | 2.2                      | 5.38                      | 0.16                   | 213                    | 5.1                      | 4.82                      | 4.8                      |
| STD DS8          | Standard | 12.8                     | 113.0                    | 0.58                    | 244.3                    | 0.100                    | 2                     | 0.86                    | 0.085                    | 0.39                   | 2.7                     | 2.0                      | 5.08                      | 0.15                   | 190                    | 4.3                      | 4.50                      | 4.3                      |
| STD DS8          | Standard | 17.4                     | 124.7                    | 0.60                    | 262.0                    | 0.128                    | 3                     | 0.97                    | 0.100                    | 0.42                   | 2.7                     | 2.5                      | 5.10                      | 0.15                   | 186                    | 4.7                      | 4.98                      | 4.5                      |
| STD DS8          | Standard | 14.6                     | 117.0                    | 0.59                    | 269.5                    | 0.107                    | 2                     | 0.90                    | 0.084                    | 0.40                   | 3.0                     | 2.0                      | 5.56                      | 0.16                   | 216                    | 5.0                      | 5.14                      | 4.7                      |
| STD DS8 Expected |          | 14.6                     | 115                      | 0.6045                  | 279                      | 0.113                    | 2.6                   | 0.93                    | 0.0883                   | 0.41                   | 3                       | 2.3                      | 5.4                       | 0.1679                 | 192                    | 5.23                     | 5                         | 4.7                      |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |





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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 22, 2011

Report Date: October 30, 2011

Page: 1 of 4

## CERTIFICATE OF ANALYSIS

WHI11001204.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-23  
P.O. Number  
Number of Samples: 72

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 70                | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 70                | Dry at 60C                                 |              |               | WHI |
| RJSV        | 70                | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 70                | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: October 30, 2011

Page: 2 of 4 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001204.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |      |
|----------|------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
|          |      |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     | P    |
|          |      |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | %    |
|          |      |                                  | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 1      | 0.01   | 0.5    | 0.1    | 0.5    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 0.1    | 2      | 0.01 |
| 11JM0199 | Soil | 0.7                              | 10.5   | 7.6    | 73     | <0.1   | 4.7    | 9.6    | 560    | 3.49   | 1.3    | 1.7    | 0.7    | 15.7   | 9      | <0.1   | 0.1    | 0.2    | 33     | 0.11   | 0.026  |      |
| 11JM0200 | Soil | 0.6                              | 21.7   | 9.1    | 101    | <0.1   | 12.7   | 11.4   | 615    | 3.35   | 4.7    | 2.0    | 2.1    | 15.1   | 16     | <0.1   | 0.2    | 0.2    | 44     | 0.20   | 0.032  |      |
| 11JM0201 | Soil | L.N.R.                           | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |      |
| 11JM0202 | Soil | 1.2                              | 14.4   | 11.0   | 65     | <0.1   | 12.6   | 8.3    | 471    | 3.29   | 5.3    | 1.3    | 2.7    | 10.5   | 15     | <0.1   | 0.3    | 0.2    | 49     | 0.16   | 0.026  |      |
| 11JM0203 | Soil | 1.7                              | 15.5   | 115.0  | 117    | 0.4    | 8.7    | 7.0    | 411    | 4.21   | 15.4   | 2.7    | 1.6    | 21.0   | 31     | <0.1   | 0.2    | 2.3    | 23     | 0.22   | 0.038  |      |
| 11JM0204 | Soil | 2.5                              | 37.5   | 97.5   | 171    | 0.4    | 15.9   | 6.1    | 421    | 4.63   | 12.3   | 5.7    | 4.6    | 26.1   | 102    | 0.2    | 0.2    | 1.8    | 28     | 0.25   | 0.057  |      |
| 11JM0205 | Soil | 4.6                              | 11.8   | 83.0   | 84     | 0.5    | 6.5    | 3.9    | 193    | 4.21   | 47.0   | 2.5    | 4.8    | 12.6   | 77     | 0.1    | 0.2    | 4.4    | 21     | 0.17   | 0.048  |      |
| 11JM0206 | Soil | 3.7                              | 24.0   | 40.0   | 79     | 0.2    | 13.2   | 8.5    | 427    | 3.59   | 9.2    | 3.3    | <0.5   | 19.5   | 43     | <0.1   | 0.2    | 1.0    | 15     | 0.21   | 0.049  |      |
| 11JM0207 | Soil | 2.7                              | 17.1   | 19.9   | 60     | 0.1    | 10.4   | 9.1    | 757    | 3.16   | 5.4    | 2.1    | 9.1    | 11.3   | 22     | <0.1   | 0.4    | 0.3    | 30     | 0.32   | 0.046  |      |
| 11JM0208 | Soil | 1.1                              | 29.1   | 11.5   | 90     | 0.1    | 10.4   | 14.4   | 869    | 3.41   | 8.6    | 1.3    | 4.6    | 12.8   | 17     | <0.1   | 0.3    | 0.2    | 54     | 0.49   | 0.072  |      |
| 11JM0209 | Soil | 3.4                              | 21.1   | 367.1  | 130    | 1.9    | 8.5    | 4.3    | 173    | 3.70   | 48.3   | 2.4    | 100.1  | 19.0   | 34     | 0.1    | 0.3    | 13.2   | 30     | 0.08   | 0.032  |      |
| 11JM0210 | Soil | 1.6                              | 23.8   | 89.7   | 141    | 0.9    | 8.7    | 6.1    | 245    | 3.64   | 37.1   | 4.4    | 13.6   | 15.8   | 59     | <0.1   | 0.3    | 4.6    | 30     | 0.19   | 0.035  |      |
| 11JM0211 | Soil | 1.7                              | 15.6   | 37.9   | 154    | <0.1   | 10.3   | 8.4    | 389    | 2.71   | 7.7    | 3.0    | <0.5   | 10.6   | 26     | 0.2    | 0.3    | 0.4    | 22     | 0.23   | 0.027  |      |
| 11JM0212 | Soil | 2.6                              | 23.2   | 118.6  | 176    | 0.6    | 10.1   | 4.3    | 221    | 4.45   | 15.4   | 4.3    | 8.6    | 26.2   | 108    | 0.2    | 0.1    | 3.6    | 24     | 0.21   | 0.055  |      |
| 11JM0213 | Soil | 1.9                              | 38.3   | 271.8  | 259    | 2.1    | 14.3   | 5.5    | 301    | 4.28   | 21.3   | 4.9    | 7.7    | 13.8   | 75     | 0.3    | 0.2    | 8.6    | 29     | 0.34   | 0.043  |      |
| 11JM0214 | Soil | 3.8                              | 20.7   | 213.0  | 99     | 1.3    | 4.7    | 2.2    | 98     | 4.85   | 56.2   | 5.2    | 8.7    | 17.9   | 162    | 0.3    | 0.2    | 9.1    | 13     | 0.14   | 0.072  |      |
| 11JM0215 | Soil | 2.9                              | 22.1   | 183.9  | 142    | 1.2    | 9.8    | 5.7    | 249    | 3.87   | 24.8   | 3.9    | 5.2    | 13.8   | 64     | 0.2    | 0.2    | 6.1    | 26     | 0.35   | 0.045  |      |
| 11JM0216 | Soil | L.N.R.                           | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |      |
| 11JM0217 | Soil | 3.2                              | 17.8   | 127.7  | 311    | 0.3    | 5.5    | 10.9   | 516    | 4.13   | 24.3   | 3.1    | 3.1    | 20.2   | 20     | 0.3    | 0.3    | 1.0    | 22     | 0.10   | 0.049  |      |
| 11JM0218 | Soil | 3.3                              | 26.7   | 82.8   | 234    | 0.2    | 9.9    | 11.6   | 624    | 4.08   | 14.7   | 3.9    | 4.6    | 22.9   | 33     | 0.2    | 0.3    | 0.6    | 32     | 0.12   | 0.046  |      |
| 11JM0219 | Soil | 4.0                              | 23.4   | 58.6   | 155    | 0.1    | 2.5    | 2.2    | 148    | 3.23   | 7.7    | 3.5    | 1.7    | 21.0   | 32     | 0.1    | 0.2    | 0.7    | 9      | 0.13   | 0.037  |      |
| 11JM0220 | Soil | 1.2                              | 13.2   | 32.5   | 78     | <0.1   | 3.2    | 5.8    | 367    | 2.21   | 5.9    | 2.1    | 0.9    | 15.1   | 15     | <0.1   | 0.3    | 0.2    | 11     | 0.22   | 0.038  |      |
| 11JM0221 | Soil | 1.2                              | 11.1   | 21.4   | 55     | <0.1   | 3.3    | 4.3    | 238    | 2.15   | 2.8    | 1.7    | 0.6    | 9.6    | 36     | <0.1   | 0.1    | 0.1    | 12     | 0.23   | 0.029  |      |
| 11JM0222 | Soil | 1.6                              | 11.5   | 20.8   | 62     | 0.1    | 2.3    | 5.1    | 264    | 2.82   | 5.1    | 2.3    | <0.5   | 13.0   | 39     | <0.1   | <0.1   | <0.1   | 16     | 0.28   | 0.043  |      |
| 11JM0223 | Soil | 2.0                              | 21.2   | 31.5   | 109    | 0.2    | 14.2   | 11.7   | 410    | 3.02   | 4.8    | 4.4    | 4.9    | 11.3   | 46     | <0.1   | 0.2    | 0.2    | 24     | 0.44   | 0.046  |      |
| 11JM0224 | Soil | 5.0                              | 30.6   | 342.0  | 182    | 0.9    | 12.1   | 7.0    | 303    | 4.63   | 72.1   | 3.8    | 11.0   | 19.7   | 44     | 0.2    | 0.3    | 10.9   | 19     | 0.32   | 0.059  |      |
| 11JM0225 | Soil | 4.0                              | 30.7   | 505.2  | 224    | 1.1    | 8.8    | 4.6    | 225    | 5.08   | 66.6   | 5.6    | 13.3   | 24.8   | 71     | 0.2    | 0.3    | 6.8    | 17     | 0.21   | 0.068  |      |
| 11JM0226 | Soil | 3.7                              | 32.6   | 772.3  | 148    | 1.5    | 5.2    | 3.8    | 297    | 4.71   | 114.1  | 4.0    | 14.9   | 26.8   | 68     | 0.3    | 0.4    | 8.8    | 10     | 0.18   | 0.065  |      |
| 11JM0227 | Soil | 4.0                              | 13.9   | 855.1  | 248    | 2.9    | 3.9    | 3.2    | 175    | 4.43   | 92.1   | 2.7    | 15.9   | 25.5   | 60     | <0.1   | 0.3    | 14.0   | 5      | 0.14   | 0.056  |      |
| 11JM0228 | Soil | 5.9                              | 21.8   | 878.1  | 195    | 1.2    | 6.9    | 5.2    | 250    | 4.85   | 75.2   | 4.8    | 12.4   | 27.1   | 74     | 0.2    | 0.3    | 8.4    | 17     | 0.15   | 0.062  |      |



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Project: Mariposa  
Report Date: October 30, 2011

Page: 2 of 4 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001204.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Ti     | S      | Ga     | Se     | Te     |
|          |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11JM0199 | Soil                             | 23     | 9      | 0.57   | 188    | 0.070  | 2      | 1.79   | 0.006  | 0.31   | <0.1   | <0.01  | 1.9    | 0.2    | <0.05  | 6      | 0.9    | <0.2   |
| 11JM0200 | Soil                             | 40     | 16     | 0.72   | 206    | 0.146  | 2      | 1.66   | 0.011  | 0.38   | 0.1    | <0.01  | 3.3    | 0.3    | <0.05  | 6      | 0.5    | <0.2   |
| 11JM0201 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11JM0202 | Soil                             | 19     | 20     | 0.56   | 317    | 0.084  | 1      | 1.73   | 0.010  | 0.22   | <0.1   | 0.02   | 2.4    | 0.2    | <0.05  | 6      | 1.1    | <0.2   |
| 11JM0203 | Soil                             | 42     | 11     | 0.36   | 583    | 0.039  | 1      | 1.24   | 0.027  | 0.20   | <0.1   | 0.01   | 3.5    | 0.1    | 0.11   | 4      | 2.4    | 0.3    |
| 11JM0204 | Soil                             | 52     | 21     | 1.04   | 399    | 0.101  | <1     | 2.01   | 0.074  | 0.14   | <0.1   | <0.01  | 2.6    | 0.2    | 0.34   | 4      | 3.5    | 1.0    |
| 11JM0205 | Soil                             | 36     | 10     | 0.30   | 347    | 0.050  | <1     | 0.97   | 0.082  | 0.14   | <0.1   | 0.01   | 2.6    | 0.1    | 0.35   | 3      | 4.9    | 1.3    |
| 11JM0206 | Soil                             | 49     | 18     | 0.35   | 274    | 0.025  | <1     | 1.15   | 0.024  | 0.15   | <0.1   | <0.01  | 2.7    | 0.1    | 0.16   | 3      | 1.2    | 0.4    |
| 11JM0207 | Soil                             | 30     | 13     | 0.44   | 465    | 0.040  | 1      | 1.24   | 0.013  | 0.18   | <0.1   | 0.01   | 4.3    | 0.1    | <0.05  | 4      | 0.9    | <0.2   |
| 11JM0208 | Soil                             | 33     | 17     | 0.77   | 392    | 0.078  | 1      | 1.50   | 0.012  | 0.27   | <0.1   | 0.04   | 6.0    | 0.2    | <0.05  | 5      | 0.6    | <0.2   |
| 11JM0209 | Soil                             | 27     | 18     | 0.23   | 163    | 0.027  | <1     | 1.35   | 0.019  | 0.08   | <0.1   | 0.01   | 2.5    | 0.1    | 0.11   | 4      | 2.1    | 11.3   |
| 11JM0210 | Soil                             | 24     | 15     | 0.38   | 215    | 0.085  | <1     | 1.35   | 0.092  | 0.14   | <0.1   | <0.01  | 3.1    | <0.1   | 0.43   | 4      | 2.8    | 6.0    |
| 11JM0211 | Soil                             | 15     | 14     | 0.40   | 105    | 0.068  | <1     | 1.59   | 0.009  | 0.12   | <0.1   | <0.01  | 2.0    | 0.1    | <0.05  | 3      | 0.8    | 0.7    |
| 11JM0212 | Soil                             | 48     | 18     | 0.54   | 182    | 0.069  | <1     | 1.25   | 0.067  | 0.14   | <0.1   | <0.01  | 2.3    | 0.1    | 0.32   | 3      | 2.9    | 1.6    |
| 11JM0213 | Soil                             | 30     | 30     | 0.76   | 179    | 0.095  | 2      | 1.70   | 0.031  | 0.11   | <0.1   | <0.01  | 2.7    | 0.2    | 0.15   | 3      | 3.5    | 3.0    |
| 11JM0214 | Soil                             | 50     | 7      | 0.20   | 164    | 0.048  | <1     | 1.00   | 0.113  | 0.14   | <0.1   | <0.01  | 2.4    | 0.1    | 0.51   | 3      | 4.8    | 2.3    |
| 11JM0215 | Soil                             | 30     | 18     | 0.42   | 268    | 0.058  | 1      | 1.29   | 0.022  | 0.13   | <0.1   | 0.02   | 2.7    | 0.1    | 0.10   | 3      | 3.5    | 1.7    |
| 11JM0216 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11JM0217 | Soil                             | 34     | 7      | 0.28   | 122    | 0.028  | 2      | 1.24   | 0.013  | 0.15   | <0.1   | 0.01   | 4.2    | 0.3    | 0.11   | 3      | 1.9    | 3.2    |
| 11JM0218 | Soil                             | 47     | 11     | 0.42   | 185    | 0.045  | <1     | 1.49   | 0.028  | 0.16   | <0.1   | 0.02   | 3.7    | 0.2    | 0.19   | 4      | 1.4    | 1.9    |
| 11JM0219 | Soil                             | 35     | 4      | 0.16   | 120    | 0.021  | 2      | 0.99   | 0.029  | 0.10   | <0.1   | <0.01  | 2.1    | <0.1   | 0.18   | 2      | 1.6    | 0.6    |
| 11JM0220 | Soil                             | 33     | 5      | 0.26   | 107    | 0.019  | <1     | 0.92   | 0.008  | 0.11   | <0.1   | <0.01  | 2.0    | 0.2    | <0.05  | 2      | 0.6    | 0.3    |
| 11JM0221 | Soil                             | 19     | 5      | 0.33   | 137    | 0.053  | <1     | 1.07   | 0.011  | 0.25   | <0.1   | <0.01  | 1.4    | 0.2    | 0.09   | 2      | <0.5   | <0.2   |
| 11JM0222 | Soil                             | 24     | 5      | 0.39   | 161    | 0.108  | <1     | 1.19   | 0.022  | 0.37   | <0.1   | <0.01  | 1.1    | 0.3    | 0.12   | 3      | <0.5   | 0.6    |
| 11JM0223 | Soil                             | 32     | 17     | 0.69   | 143    | 0.091  | <1     | 1.58   | 0.019  | 0.11   | <0.1   | 0.01   | 2.4    | 0.1    | 0.09   | 3      | 0.7    | 0.2    |
| 11JM0224 | Soil                             | 26     | 15     | 0.44   | 241    | 0.063  | 1      | 1.11   | 0.027  | 0.10   | <0.1   | 0.02   | 2.2    | 0.1    | 0.20   | 3      | 4.0    | 10.2   |
| 11JM0225 | Soil                             | 54     | 13     | 0.37   | 270    | 0.082  | <1     | 1.11   | 0.068  | 0.20   | <0.1   | <0.01  | 2.6    | 0.3    | 0.50   | 3      | 5.2    | 13.0   |
| 11JM0226 | Soil                             | 40     | 5      | 0.14   | 178    | 0.060  | <1     | 0.56   | 0.076  | 0.23   | 0.1    | 0.03   | 2.3    | 0.2    | 0.66   | 2      | 5.2    | 10.0   |
| 11JM0227 | Soil                             | 54     | 3      | 0.06   | 156    | 0.008  | <1     | 0.41   | 0.102  | 0.25   | <0.1   | 0.03   | 1.8    | 0.2    | 0.73   | 1      | 7.4    | 12.2   |
| 11JM0228 | Soil                             | 56     | 12     | 0.26   | 190    | 0.078  | <1     | 1.04   | 0.120  | 0.19   | 0.1    | 0.02   | 2.9    | 0.2    | 0.69   | 3      | 5.2    | 11.4   |



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Report Date: October 30, 2011

Page: 3 of 4 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001204.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11JM0229 | Soil                             | 2.5              | 37.1             | 374.3            | 201            | 0.9              | 7.2              | 5.3              | 186            | 4.75            | 65.3             | 4.8             | 23.0             | 28.5             | 61             | 0.2              | 0.2              | 10.6             | 8             | 0.11            | 0.054           |
| 11JM0230 | Soil                             | 4.2              | 34.4             | 334.7            | 140            | 0.8              | 4.5              | 3.7              | 156            | 4.29            | 81.2             | 3.3             | 14.6             | 23.7             | 64             | <0.1             | 0.2              | 8.4              | 11            | 0.11            | 0.050           |
| 11JM0231 | Soil                             | 3.1              | 18.4             | 150.9            | 154            | 0.3              | 6.1              | 5.2              | 210            | 3.64            | 25.6             | 3.7             | 5.8              | 23.3             | 47             | 0.1              | 0.2              | 2.3              | 14            | 0.12            | 0.039           |
| 11JM0232 | Soil                             | 2.7              | 23.1             | 103.7            | 119            | 0.3              | 8.6              | 3.9              | 177            | 3.94            | 22.3             | 2.9             | 2.2              | 15.6             | 48             | 0.1              | 0.2              | 4.5              | 16            | 0.07            | 0.042           |
| 11JM0233 | Soil                             | 2.7              | 17.9             | 274.6            | 122            | 0.9              | 6.5              | 6.1              | 265            | 3.13            | 42.7             | 1.9             | 6.1              | 12.7             | 36             | 0.3              | 0.3              | 6.3              | 26            | 0.12            | 0.036           |
| 11JM0234 | Soil                             | 1.0              | 15.2             | 16.1             | 267            | <0.1             | 7.5              | 12.4             | 809            | 3.72            | 13.6             | 2.5             | <0.5             | 7.8              | 26             | 0.4              | 0.6              | 0.3              | 39            | 0.23            | 0.049           |
| 11JM0235 | Soil                             | 3.7              | 27.9             | 211.1            | 373            | 0.5              | 2.5              | 3.5              | 141            | 5.25            | 92.3             | 3.3             | 13.6             | 25.6             | 74             | 0.1              | 0.2              | 3.7              | 5             | 0.09            | 0.054           |
| 11JM0236 | Soil                             | 3.1              | 3.8              | 240.4            | 97             | 0.5              | 0.9              | 0.4              | 28             | 6.76            | 63.4             | 0.5             | 4.3              | 12.5             | 33             | <0.1             | 0.2              | 3.6              | 3             | 0.07            | 0.026           |
| 11JM0237 | Soil                             | 8.3              | 12.1             | 435.5            | 161            | 0.3              | 3.0              | 5.5              | 107            | 6.55            | 45.1             | 3.5             | 2.8              | 29.7             | 123            | <0.1             | 0.2              | 12.0             | 4             | 0.09            | 0.085           |
| 11JM0238 | Soil                             | 6.5              | 14.4             | 86.0             | 75             | 0.4              | 4.7              | 2.7              | 148            | 2.55            | 58.6             | 1.6             | 8.0              | 15.9             | 62             | <0.1             | 0.2              | 3.5              | 17            | 0.16            | 0.031           |
| 11JM0239 | Soil                             | 4.4              | 16.0             | 576.4            | 158            | 1.0              | 1.7              | 1.5              | 51             | 4.00            | 87.0             | 4.6             | 11.1             | 24.2             | 67             | 0.2              | 0.3              | 6.3              | 8             | 0.07            | 0.056           |
| 11JM0240 | Soil                             | 2.8              | 19.9             | 201.0            | 138            | 0.7              | 11.1             | 4.9              | 278            | 2.80            | 30.8             | 2.8             | 8.0              | 16.0             | 37             | <0.1             | 0.2              | 5.0              | 22            | 0.22            | 0.039           |
| 11JM0241 | Soil                             | 1.5              | 31.4             | 230.7            | 189            | 1.2              | 5.7              | 3.0              | 213            | 4.67            | 44.5             | 5.6             | 7.5              | 14.1             | 113            | 0.2              | 0.2              | 10.0             | 33            | 0.14            | 0.070           |
| 11JM0242 | Soil                             | 1.4              | 27.5             | 125.4            | 157            | 1.1              | 10.4             | 3.2              | 217            | 4.38            | 31.2             | 5.1             | 12.6             | 14.2             | 104            | 0.1              | 0.2              | 5.4              | 32            | 0.16            | 0.063           |
| 11JM0243 | Soil                             | 3.3              | 19.6             | 256.3            | 113            | 0.8              | 7.6              | 3.1              | 142            | 3.15            | 43.2             | 2.2             | 6.1              | 13.5             | 43             | <0.1             | 0.2              | 7.0              | 21            | 0.12            | 0.036           |
| 11JM0244 | Soil                             | 4.4              | 29.2             | 246.5            | 187            | 1.3              | 4.5              | 2.5              | 122            | 3.27            | 44.5             | 3.3             | 60.5             | 17.5             | 54             | 0.1              | 0.2              | 16.1             | 12            | 0.10            | 0.042           |
| 11JM0245 | Soil                             | 2.7              | 24.8             | 182.8            | 184            | 1.2              | 11.2             | 4.6              | 128            | 3.86            | 47.9             | 4.1             | 44.6             | 15.7             | 68             | 0.2              | 0.1              | 7.2              | 14            | 0.16            | 0.058           |
| 11JM0246 | Soil                             | 2.3              | 15.9             | 52.4             | 45             | 0.2              | 5.4              | 4.2              | 128            | 3.20            | 25.4             | 1.3             | 1.1              | 13.7             | 52             | <0.1             | 0.2              | 0.2              | 14            | 0.16            | 0.044           |
| 11JM0247 | Soil                             | 1.6              | 12.8             | 320.7            | 124            | 0.2              | 6.0              | 9.7              | 670            | 2.75            | 27.6             | 1.9             | 4.6              | 9.5              | 15             | 0.3              | 0.3              | <0.1             | 16            | 0.36            | 0.062           |
| 11JM0248 | Soil                             | 2.9              | 16.3             | 889.4            | 104            | 1.5              | 3.6              | 6.6              | 340            | 2.76            | 42.2             | 2.1             | 12.6             | 19.5             | 19             | 0.4              | 0.5              | 0.3              | 8             | 0.18            | 0.049           |
| 11JM0249 | Soil                             | 0.6              | 9.8              | 22.7             | 139            | 0.2              | 3.1              | 8.9              | 606            | 3.53            | 1.9              | 1.6             | 0.6              | 7.3              | 33             | <0.1             | <0.1             | <0.1             | 56            | 0.37            | 0.080           |
| 11JM0250 | Soil                             | 1.0              | 11.6             | 66.2             | 99             | 0.3              | 3.5              | 6.2              | 290            | 2.66            | 5.2              | 2.3             | 1.1              | 10.3             | 24             | <0.1             | 0.1              | <0.1             | 20            | 0.21            | 0.053           |
| 11JM0251 | Soil                             | 1.6              | 11.0             | 35.4             | 62             | 0.1              | 2.9              | 4.8              | 272            | 2.34            | 8.5              | 3.1             | 0.7              | 14.8             | 30             | <0.1             | 0.1              | 0.1              | 12            | 0.23            | 0.035           |
| 11JM0252 | Soil                             | 2.1              | 22.6             | 64.1             | 286            | 0.2              | 6.9              | 6.1              | 363            | 3.12            | 9.8              | 4.5             | 0.7              | 16.4             | 25             | 0.3              | 0.2              | 0.6              | 23            | 0.26            | 0.043           |
| 11JM0253 | Soil                             | 0.4              | 9.8              | 6.8              | 206            | <0.1             | 5.7              | 7.2              | 223            | 2.37            | 3.6              | 1.2             | 1.4              | 3.8              | 28             | <0.1             | 0.1              | <0.1             | 35            | 0.31            | 0.077           |
| 11JM0254 | Soil                             | 0.6              | 8.5              | 9.4              | 215            | <0.1             | 8.1              | 7.6              | 170            | 2.22            | 5.2              | 0.7             | <0.5             | 2.3              | 23             | <0.1             | 0.2              | <0.1             | 33            | 0.23            | 0.053           |
| 11JM0255 | Soil                             | 1.0              | 13.8             | 15.7             | 147            | <0.1             | 3.6              | 5.1              | 280            | 2.74            | 14.3             | 3.8             | 4.4              | 18.2             | 12             | 0.1              | 0.2              | 0.2              | 16            | 0.08            | 0.037           |
| 11JM0256 | Soil                             | 1.2              | 13.0             | 14.3             | 176            | <0.1             | 5.2              | 7.8              | 380            | 2.29            | 5.2              | 2.5             | 3.9              | 15.7             | 12             | 0.3              | <0.1             | 0.4              | 18            | 0.19            | 0.034           |
| 11JM0257 | Soil                             | 1.3              | 16.2             | 118.4            | 190            | 0.3              | 15.7             | 6.8              | 317            | 2.51            | 14.7             | 2.5             | 6.1              | 12.3             | 31             | 0.2              | 0.3              | 0.9              | 29            | 0.14            | 0.034           |
| 11JM0258 | Soil                             | 0.9              | 28.2             | 16.9             | 109            | <0.1             | 12.1             | 9.6              | 441            | 3.24            | 4.6              | 4.3             | 2.9              | 37.8             | 13             | 0.1              | 0.3              | <0.1             | 24            | 0.18            | 0.036           |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

**Page:** 3 of 4 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001204.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11JM0229 | Soil                             | 60    | 7     | 0.16  | 210   | 0.009 | <1    | 1.06  | 0.083 | 0.21  | <0.1  | 0.02  | 3.8   | 0.1   | 0.55  | 2     | 4.5   | 8.5   |
| 11JM0230 | Soil                             | 51    | 8     | 0.22  | 211   | 0.043 | 1     | 0.84  | 0.106 | 0.22  | <0.1  | <0.01 | 2.1   | 0.2   | 0.67  | 2     | 4.9   | 12.5  |
| 11JM0231 | Soil                             | 42    | 9     | 0.20  | 177   | 0.015 | <1    | 0.97  | 0.038 | 0.13  | <0.1  | <0.01 | 2.6   | 0.1   | 0.27  | 2     | 2.0   | 2.9   |
| 11JM0232 | Soil                             | 43    | 14    | 0.40  | 185   | 0.039 | <1    | 1.28  | 0.061 | 0.16  | <0.1  | 0.01  | 2.1   | <0.1  | 0.34  | 3     | 2.4   | 0.6   |
| 11JM0233 | Soil                             | 30    | 12    | 0.23  | 208   | 0.037 | <1    | 0.97  | 0.040 | 0.16  | <0.1  | 0.02  | 1.8   | 0.1   | 0.28  | 3     | 2.3   | 7.5   |
| 11JM0234 | Soil                             | 28    | 13    | 0.60  | 173   | 0.063 | 1     | 1.62  | 0.011 | 0.24  | <0.1  | <0.01 | 3.0   | 0.2   | <0.05 | 5     | <0.5  | 0.2   |
| 11JM0235 | Soil                             | 53    | 3     | 0.08  | 139   | 0.005 | <1    | 0.63  | 0.144 | 0.36  | <0.1  | 0.01  | 2.0   | 0.3   | 1.05  | 1     | 6.7   | 9.6   |
| 11JM0236 | Soil                             | 47    | 1     | 0.03  | 84    | 0.002 | 1     | 0.20  | 0.072 | 0.89  | <0.1  | <0.01 | 0.6   | 0.8   | 2.12  | 1     | 17.3  | 17.7  |
| 11JM0237 | Soil                             | 58    | 3     | 0.05  | 135   | 0.002 | <1    | 0.47  | 0.202 | 0.23  | <0.1  | 0.01  | 2.1   | 0.1   | 0.90  | 2     | 10.4  | 4.7   |
| 11JM0238 | Soil                             | 47    | 10    | 0.26  | 195   | 0.027 | <1    | 0.77  | 0.031 | 0.22  | <0.1  | 0.01  | 2.1   | 0.1   | 0.34  | 2     | 3.0   | 4.1   |
| 11JM0239 | Soil                             | 45    | 3     | 0.05  | 161   | 0.048 | 1     | 0.45  | 0.102 | 0.21  | <0.1  | 0.04  | 1.7   | 0.2   | 0.59  | 2     | 6.5   | 8.5   |
| 11JM0240 | Soil                             | 29    | 19    | 0.36  | 185   | 0.042 | <1    | 1.01  | 0.040 | 0.10  | <0.1  | 0.01  | 2.4   | 0.1   | 0.17  | 3     | 1.7   | 3.7   |
| 11JM0241 | Soil                             | 42    | 15    | 0.63  | 134   | 0.108 | <1    | 1.46  | 0.071 | 0.19  | <0.1  | 0.01  | 4.2   | 0.2   | 0.36  | 5     | 2.0   | 6.3   |
| 11JM0242 | Soil                             | 38    | 25    | 0.66  | 140   | 0.097 | <1    | 1.43  | 0.065 | 0.14  | <0.1  | 0.02  | 3.3   | 0.2   | 0.31  | 4     | 1.4   | 3.6   |
| 11JM0243 | Soil                             | 28    | 14    | 0.27  | 154   | 0.041 | <1    | 0.91  | 0.056 | 0.10  | <0.1  | 0.01  | 2.0   | 0.1   | 0.23  | 3     | 3.0   | 5.4   |
| 11JM0244 | Soil                             | 31    | 8     | 0.26  | 119   | 0.035 | <1    | 0.94  | 0.038 | 0.11  | <0.1  | 0.02  | 2.7   | 0.1   | 0.19  | 2     | 3.0   | 12.4  |
| 11JM0245 | Soil                             | 31    | 14    | 0.27  | 160   | 0.042 | <1    | 1.03  | 0.059 | 0.11  | <0.1  | 0.01  | 2.8   | 0.1   | 0.24  | 3     | 2.5   | 2.7   |
| 11JM0246 | Soil                             | 36    | 8     | 0.13  | 222   | 0.009 | <1    | 0.57  | 0.086 | 0.21  | <0.1  | 0.01  | 2.0   | <0.1  | 0.47  | 2     | 0.9   | <0.2  |
| 11JM0247 | Soil                             | 20    | 9     | 0.37  | 197   | 0.036 | <1    | 1.13  | 0.025 | 0.10  | <0.1  | 0.02  | 2.2   | 0.1   | <0.05 | 3     | 0.5   | <0.2  |
| 11JM0248 | Soil                             | 32    | 3     | 0.12  | 188   | 0.006 | <1    | 0.51  | 0.019 | 0.10  | <0.1  | 0.10  | 2.4   | 0.1   | 0.12  | 1     | 1.5   | <0.2  |
| 11JM0249 | Soil                             | 17    | 5     | 1.15  | 321   | 0.258 | <1    | 1.99  | 0.011 | 0.96  | 0.1   | <0.01 | 1.3   | 0.7   | 0.07  | 5     | <0.5  | <0.2  |
| 11JM0250 | Soil                             | 19    | 7     | 0.49  | 174   | 0.108 | <1    | 1.10  | 0.009 | 0.39  | <0.1  | 0.02  | 1.3   | 0.3   | <0.05 | 3     | <0.5  | <0.2  |
| 11JM0251 | Soil                             | 26    | 4     | 0.22  | 107   | 0.037 | <1    | 0.80  | 0.024 | 0.07  | <0.1  | <0.01 | 1.8   | <0.1  | 0.06  | 2     | <0.5  | 0.2   |
| 11JM0252 | Soil                             | 31    | 8     | 0.48  | 148   | 0.054 | <1    | 1.14  | 0.018 | 0.11  | <0.1  | 0.03  | 2.5   | 0.1   | 0.08  | 3     | 0.9   | 0.6   |
| 11JM0253 | Soil                             | 12    | 6     | 0.59  | 208   | 0.133 | <1    | 1.23  | 0.009 | 0.41  | <0.1  | <0.01 | 1.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0254 | Soil                             | 5     | 10    | 0.53  | 174   | 0.068 | <1    | 1.20  | 0.008 | 0.22  | <0.1  | 0.01  | 1.1   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0255 | Soil                             | 29    | 6     | 0.32  | 122   | 0.028 | <1    | 1.15  | 0.007 | 0.17  | <0.1  | <0.01 | 2.2   | 0.1   | <0.05 | 3     | <0.5  | 0.2   |
| 11JM0256 | Soil                             | 31    | 6     | 0.52  | 190   | 0.099 | <1    | 1.34  | 0.013 | 0.36  | <0.1  | <0.01 | 2.1   | 0.3   | <0.05 | 4     | <0.5  | 0.2   |
| 11JM0257 | Soil                             | 28    | 24    | 0.37  | 248   | 0.047 | <1    | 1.05  | 0.023 | 0.09  | <0.1  | 0.01  | 3.2   | <0.1  | 0.06  | 3     | 0.6   | 2.0   |
| 11JM0258 | Soil                             | 117   | 11    | 0.35  | 298   | 0.067 | <1    | 1.19  | 0.006 | 0.38  | <0.1  | 0.02  | 3.3   | 0.3   | <0.05 | 4     | 0.5   | <0.2  |



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Vancouver BC V6E 3T5 Canada

**Project:** Mariposa  
**Report Date:** October 30, 2011

**Page:** 4 of 4 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001204.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11JM0259 | Soil                             | 0.7   | 14.2  | 12.5  | 79    | <0.1  | 15.3  | 9.5   | 485   | 3.05  | 5.6   | 2.6   | <0.5  | 23.1  | 13    | 0.2   | 0.1   | <0.1  | 22    | 0.18  | 0.061 |
| 11JM0260 | Soil                             | 0.6   | 20.6  | 9.6   | 85    | <0.1  | 16.1  | 8.5   | 319   | 2.57  | 5.0   | 1.5   | <0.5  | 19.7  | 15    | 0.1   | 0.2   | <0.1  | 38    | 0.20  | 0.028 |
| 11JM0261 | Soil                             | 0.9   | 18.5  | 9.0   | 69    | <0.1  | 10.1  | 10.1  | 298   | 2.94  | 6.3   | 1.8   | <0.5  | 24.0  | 14    | <0.1  | 0.1   | <0.1  | 29    | 0.18  | 0.043 |
| 11JM0262 | Soil                             | 0.6   | 22.0  | 9.1   | 85    | <0.1  | 16.6  | 8.5   | 290   | 2.53  | 5.1   | 1.4   | 1.1   | 20.2  | 16    | 0.1   | 0.3   | <0.1  | 39    | 0.20  | 0.027 |
| 11JM0263 | Soil                             | 1.3   | 21.4  | 47.2  | 394   | 0.1   | 28.6  | 9.4   | 611   | 2.62  | 11.1  | 4.3   | 7.2   | 16.5  | 37    | 0.4   | 0.2   | 0.4   | 19    | 0.12  | 0.033 |
| 11JM0264 | Soil                             | 1.9   | 16.5  | 128.4 | 146   | 0.4   | 7.3   | 4.3   | 144   | 2.45  | 15.4  | 3.5   | 6.9   | 15.1  | 21    | 0.1   | 0.2   | 2.9   | 22    | 0.07  | 0.024 |
| 11JM0265 | Soil                             | 2.1   | 14.1  | 102.4 | 128   | 0.4   | 7.1   | 5.0   | 199   | 2.54  | 17.9  | 3.1   | 4.2   | 13.7  | 24    | 0.3   | 0.2   | 4.8   | 22    | 0.16  | 0.026 |
| 11JM0266 | Soil                             | 1.6   | 12.6  | 27.2  | 154   | 0.1   | 6.6   | 9.9   | 438   | 2.72  | 8.7   | 2.5   | 1.9   | 15.1  | 22    | 0.2   | 0.1   | 0.7   | 20    | 0.19  | 0.043 |
| 11JM0267 | Soil                             | 1.3   | 18.0  | 28.6  | 121   | 0.2   | 10.4  | 8.7   | 444   | 2.30  | 5.5   | 2.4   | 0.7   | 7.8   | 24    | 0.2   | 0.2   | 0.3   | 26    | 0.40  | 0.042 |
| 11JM0268 | Soil                             | 1.8   | 15.2  | 108.2 | 79    | 0.3   | 9.5   | 6.4   | 274   | 2.58  | 16.2  | 2.3   | 1.9   | 8.9   | 27    | 0.1   | 0.2   | 1.9   | 29    | 0.33  | 0.036 |
| 11JM0269 | Soil                             | 0.8   | 14.7  | 9.6   | 93    | <0.1  | 8.0   | 8.9   | 311   | 2.08  | 6.1   | 1.6   | 0.5   | 15.9  | 26    | <0.1  | <0.1  | <0.1  | 15    | 0.37  | 0.060 |
| 11JM0270 | Soil                             | 0.8   | 14.1  | 8.0   | 54    | <0.1  | 9.4   | 6.5   | 234   | 2.31  | 6.0   | 1.6   | <0.5  | 9.7   | 14    | <0.1  | 0.2   | <0.1  | 30    | 0.14  | 0.016 |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

**Page:** 4 of 4 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001204.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11JM0259 | Soil                             | 37    | 12    | 0.24  | 306   | 0.028 | <1    | 1.03  | 0.007 | 0.35  | <0.1  | 0.02  | 2.8   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11JM0260 | Soil                             | 35    | 22    | 0.46  | 146   | 0.083 | <1    | 1.31  | 0.008 | 0.33  | <0.1  | 0.01  | 3.2   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11JM0261 | Soil                             | 22    | 12    | 0.42  | 145   | 0.129 | <1    | 1.40  | 0.006 | 0.57  | <0.1  | <0.01 | 2.2   | 0.5   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0262 | Soil                             | 35    | 23    | 0.51  | 121   | 0.087 | <1    | 1.39  | 0.008 | 0.32  | <0.1  | 0.01  | 3.3   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11JM0263 | Soil                             | 46    | 40    | 0.41  | 331   | 0.035 | <1    | 1.08  | 0.014 | 0.08  | <0.1  | 0.02  | 3.6   | <0.1  | <0.05 | 3     | <0.5  | 0.9   |
| 11JM0264 | Soil                             | 29    | 14    | 0.29  | 147   | 0.039 | <1    | 1.02  | 0.016 | 0.09  | <0.1  | 0.01  | 2.4   | <0.1  | <0.05 | 3     | 1.1   | 1.8   |
| 11JM0265 | Soil                             | 34    | 11    | 0.26  | 183   | 0.034 | <1    | 1.04  | 0.021 | 0.13  | <0.1  | 0.01  | 2.3   | <0.1  | 0.08  | 3     | 0.9   | 3.4   |
| 11JM0266 | Soil                             | 33    | 9     | 0.38  | 248   | 0.036 | <1    | 1.19  | 0.013 | 0.18  | <0.1  | 0.02  | 2.1   | 0.1   | <0.05 | 3     | <0.5  | 0.3   |
| 11JM0267 | Soil                             | 21    | 13    | 0.40  | 187   | 0.047 | <1    | 1.03  | 0.014 | 0.12  | <0.1  | 0.01  | 2.2   | <0.1  | <0.05 | 3     | <0.5  | 0.4   |
| 11JM0268 | Soil                             | 17    | 15    | 0.34  | 212   | 0.054 | <1    | 1.08  | 0.019 | 0.07  | <0.1  | 0.02  | 2.3   | <0.1  | <0.05 | 3     | 0.7   | 1.8   |
| 11JM0269 | Soil                             | 26    | 9     | 0.57  | 81    | 0.077 | <1    | 1.10  | 0.005 | 0.14  | <0.1  | <0.01 | 1.4   | 0.1   | <0.05 | 3     | <0.5  | <0.2  |
| 11JM0270 | Soil                             | 10    | 12    | 0.53  | 94    | 0.112 | <1    | 1.21  | 0.008 | 0.28  | <0.1  | 0.01  | 1.3   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: October 30, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001204.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11JM0214            | Soil                             | 3.8   | 20.7  | 213.0 | 99    | 1.3   | 4.7   | 2.2   | 98    | 4.85  | 56.2  | 5.2   | 8.7   | 17.9  | 162   | 0.3   | 0.2   | 9.1   | 13    | 0.14  | 0.072  |
| REP 11JM0214        | QC                               | 3.4   | 20.5  | 215.7 | 99    | 1.3   | 4.7   | 2.2   | 98    | 4.93  | 57.9  | 5.5   | 10.0  | 18.5  | 163   | 0.2   | 0.2   | 8.7   | 14    | 0.15  | 0.076  |
| 11JM0231            | Soil                             | 3.1   | 18.4  | 150.9 | 154   | 0.3   | 6.1   | 5.2   | 210   | 3.64  | 25.6  | 3.7   | 5.8   | 23.3  | 47    | 0.1   | 0.2   | 2.3   | 14    | 0.12  | 0.039  |
| REP 11JM0231        | QC                               | 2.7   | 17.2  | 142.3 | 148   | 0.2   | 5.9   | 4.9   | 203   | 3.45  | 24.2  | 3.5   | 7.7   | 22.4  | 45    | 0.1   | 0.3   | 2.2   | 12    | 0.11  | 0.036  |
| 11JM0245            | Soil                             | 2.7   | 24.8  | 182.8 | 184   | 1.2   | 11.2  | 4.6   | 128   | 3.86  | 47.9  | 4.1   | 44.6  | 15.7  | 68    | 0.2   | 0.1   | 7.2   | 14    | 0.16  | 0.058  |
| REP 11JM0245        | QC                               | 3.0   | 25.6  | 189.8 | 192   | 1.2   | 11.1  | 4.6   | 132   | 3.94  | 48.7  | 4.2   | 22.2  | 16.2  | 69    | 0.2   | 0.1   | 7.4   | 14    | 0.16  | 0.056  |
| 11JM0261            | Soil                             | 0.9   | 18.5  | 9.0   | 69    | <0.1  | 10.1  | 10.1  | 298   | 2.94  | 6.3   | 1.8   | <0.5  | 24.0  | 14    | <0.1  | 0.1   | <0.1  | 29    | 0.18  | 0.043  |
| REP 11JM0261        | QC                               | 0.9   | 18.2  | 8.9   | 69    | <0.1  | 10.1  | 10.3  | 295   | 2.95  | 6.3   | 1.7   | <0.5  | 24.0  | 13    | <0.1  | 0.2   | <0.1  | 29    | 0.17  | 0.041  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 10.2  | 97.2  | 113.0 | 287   | 1.7   | 32.9  | 6.8   | 554   | 2.24  | 22.8  | 2.3   | 91.5  | 5.8   | 56    | 2.1   | 4.9   | 5.7   | 37    | 0.60  | 0.074  |
| STD DS8             | Standard                         | 12.3  | 105.5 | 126.0 | 306   | 1.8   | 37.6  | 7.3   | 582   | 2.42  | 24.2  | 2.8   | 113.0 | 6.6   | 69    | 2.3   | 5.3   | 6.4   | 40    | 0.69  | 0.077  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |





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Project: Mariposa  
Report Date: October 30, 2011

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001204.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11JM0214            | Soil                             | 50    | 7     | 0.20   | 164   | 0.048  | <1    | 1.00  | 0.113  | 0.14  | <0.1  | <0.01 | 2.4   | 0.1   | 0.51   | 3     | 4.8   | 2.3   |
| REP 11JM0214        | QC                               | 50    | 8     | 0.21   | 161   | 0.050  | <1    | 1.04  | 0.116  | 0.14  | <0.1  | 0.01  | 2.6   | 0.1   | 0.50   | 3     | 5.1   | 2.0   |
| 11JM0231            | Soil                             | 42    | 9     | 0.20   | 177   | 0.015  | <1    | 0.97  | 0.038  | 0.13  | <0.1  | <0.01 | 2.6   | 0.1   | 0.27   | 2     | 2.0   | 2.9   |
| REP 11JM0231        | QC                               | 40    | 8     | 0.18   | 173   | 0.015  | <1    | 0.92  | 0.036  | 0.12  | <0.1  | <0.01 | 2.5   | <0.1  | 0.25   | 2     | 1.5   | 2.9   |
| 11JM0245            | Soil                             | 31    | 14    | 0.27   | 160   | 0.042  | <1    | 1.03  | 0.059  | 0.11  | <0.1  | 0.01  | 2.8   | 0.1   | 0.24   | 3     | 2.5   | 2.7   |
| REP 11JM0245        | QC                               | 32    | 14    | 0.28   | 167   | 0.043  | <1    | 1.05  | 0.062  | 0.12  | <0.1  | 0.01  | 2.9   | 0.1   | 0.24   | 3     | 3.2   | 2.7   |
| 11JM0261            | Soil                             | 22    | 12    | 0.42   | 145   | 0.129  | <1    | 1.40  | 0.006  | 0.57  | <0.1  | <0.01 | 2.2   | 0.5   | <0.05  | 5     | <0.5  | <0.2  |
| REP 11JM0261        | QC                               | 22    | 12    | 0.44   | 152   | 0.129  | <1    | 1.38  | 0.006  | 0.58  | <0.1  | <0.01 | 2.2   | 0.5   | <0.05  | 5     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 11    | 102   | 0.55   | 226   | 0.090  | 2     | 0.80  | 0.080  | 0.38  | 2.5   | 0.17  | 2.0   | 4.9   | 0.12   | 4     | 4.5   | 4.3   |
| STD DS8             | Standard                         | 15    | 113   | 0.60   | 270   | 0.115  | 1     | 0.89  | 0.096  | 0.40  | 2.8   | 0.20  | 2.1   | 5.4   | 0.16   | 5     | 5.7   | 4.5   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 24, 2011

Report Date: October 30, 2011

Page: 1 of 13

## CERTIFICATE OF ANALYSIS

WHI11001223.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-27  
P.O. Number  
Number of Samples: 348

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Katie Dodd

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 320               | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 320               | Dry at 60C                                            |              |               | WHI |
| RJSV        | 320               | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F02        | 305               | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte | Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|-------------------|-------------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
|           |                   |             | Mo   | Cu    | Pb    | Zn   | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    |
|           |                   |             | ppm  | ppm   | ppm   | ppm  | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | %    |
|           |                   |             | 0.01 | 0.01  | 0.01  | 0.1  | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    |
| 11DS1061A | Soil              |             | 0.76 | 20.04 | 4.77  | 41.1 | 91   | 10.5 | 3.7  | 145  | 1.20 | 2.7  | 0.6  | 2.0  | 0.2  | 62.7  | 0.70 | 0.33 | 0.12 | 22   |
| 11DS1062A | Soil              |             | 0.77 | 16.76 | 3.57  | 27.4 | 268  | 9.8  | 4.0  | 109  | 0.90 | 2.2  | 0.4  | 1.1  | <0.1 | 40.5  | 1.03 | 0.30 | 0.08 | 16   |
| 11DS1063A | Soil              |             | 1.04 | 18.84 | 4.38  | 30.1 | 142  | 10.2 | 2.9  | 109  | 0.74 | 1.7  | 0.4  | 2.9  | 0.2  | 43.4  | 0.55 | 0.40 | 0.08 | 12   |
| 11DS1064A | Soil              |             | 0.81 | 22.92 | 5.71  | 47.3 | 114  | 17.1 | 11.5 | 740  | 1.79 | 4.5  | 0.8  | 2.9  | 0.8  | 56.6  | 0.42 | 0.59 | 0.11 | 32   |
| 11DS1065A | Soil              |             | 0.36 | 12.74 | 5.84  | 63.3 | 50   | 13.3 | 8.8  | 580  | 1.73 | 2.8  | 1.1  | 1.8  | 1.4  | 120.0 | 0.36 | 0.23 | 0.08 | 35   |
| 11DS1066A | Soil              |             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS1067A | Soil              |             | 0.59 | 19.92 | 3.18  | 45.4 | 317  | 12.0 | 3.1  | 206  | 0.83 | 1.2  | 0.7  | 1.2  | <0.1 | 73.7  | 0.44 | 0.26 | 0.09 | 13   |
| 11DS1068A | Soil              |             | 0.77 | 28.53 | 4.49  | 44.4 | 223  | 14.1 | 4.8  | 158  | 0.70 | 0.8  | 0.5  | 0.4  | <0.1 | 36.4  | 0.97 | 0.22 | 0.07 | 15   |
| 11DS1069A | Soil              |             | 0.67 | 53.29 | 5.55  | 29.7 | 569  | 14.0 | 6.7  | 164  | 1.10 | 1.1  | 1.9  | 0.9  | <0.1 | 36.2  | 0.60 | 0.18 | 0.07 | 14   |
| 11DS1070A | Soil              |             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS1071A | Soil              |             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS1072A | Soil              |             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS1073A | Soil              |             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS1074A | Soil              |             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS1075A | Soil              |             | 0.70 | 25.69 | 6.31  | 30.9 | 778  | 12.1 | 4.5  | 232  | 0.80 | 1.1  | 0.4  | 0.7  | <0.1 | 36.3  | 0.87 | 0.17 | 0.09 | 15   |
| 11DS1076A | Soil              |             | 1.02 | 59.30 | 7.85  | 24.4 | 824  | 21.8 | 6.8  | 103  | 1.02 | 1.2  | 1.5  | 0.2  | <0.1 | 36.0  | 1.29 | 0.19 | 0.08 | 14   |
| 11DS1077A | Soil              |             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS1078A | Soil              |             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS1079A | Soil              |             | 1.03 | 47.48 | 10.64 | 47.4 | 1164 | 21.4 | 12.3 | 561  | 1.20 | 1.8  | 0.6  | 0.5  | <0.1 | 38.4  | 1.18 | 0.26 | 0.11 | 21   |
| 11DS1080A | Soil              |             | 0.98 | 23.02 | 6.88  | 72.2 | 609  | 12.9 | 11.3 | 3369 | 1.32 | 1.7  | 0.3  | 0.5  | 0.1  | 33.3  | 1.57 | 0.22 | 0.13 | 29   |
| 11DS1081A | Soil              |             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS1082A | Soil              |             | 0.95 | 21.58 | 4.99  | 34.5 | 906  | 9.5  | 3.2  | 159  | 0.74 | 0.9  | 0.2  | 3.2  | <0.1 | 30.0  | 1.30 | 0.23 | 0.09 | 16   |
| 11DS1083A | Soil              |             | 0.77 | 19.79 | 5.68  | 36.2 | 1230 | 9.1  | 4.3  | 163  | 0.83 | 1.0  | 0.2  | 0.6  | <0.1 | 24.1  | 1.15 | 0.22 | 0.09 | 17   |
| 11DS1084A | Soil              |             | 0.98 | 22.15 | 4.24  | 20.3 | 898  | 7.2  | 3.8  | 246  | 0.77 | 0.7  | 0.3  | 0.7  | <0.1 | 23.1  | 1.03 | 0.17 | 0.08 | 14   |
| 11DS1085A | Soil              |             | 0.96 | 51.04 | 3.71  | 18.5 | 820  | 13.6 | 11.7 | 2593 | 1.27 | 1.5  | 1.4  | 2.9  | 0.1  | 77.5  | 0.49 | 0.34 | 0.09 | 22   |
| 11DS1086A | Soil              |             | 0.61 | 15.90 | 3.37  | 17.8 | 143  | 6.4  | 2.3  | 52   | 0.56 | 0.6  | 0.1  | 0.5  | <0.1 | 19.3  | 0.76 | 0.15 | 0.08 | 13   |
| 11DS1087A | Soil              |             | 0.92 | 24.08 | 4.56  | 26.2 | 977  | 9.3  | 3.5  | 163  | 0.81 | 0.9  | 0.5  | 0.6  | <0.1 | 29.9  | 0.81 | 0.18 | 0.13 | 15   |
| 11DS1088A | Soil              |             | 0.72 | 24.36 | 12.13 | 37.1 | 586  | 12.4 | 3.1  | 96   | 0.63 | 0.8  | 0.4  | 0.3  | <0.1 | 35.4  | 3.25 | 0.17 | 0.08 | 12   |
| 11DS1089A | Soil              |             | 0.69 | 19.38 | 8.98  | 60.4 | 439  | 7.4  | 2.3  | 84   | 0.63 | 0.5  | 0.2  | <0.2 | <0.1 | 20.5  | 3.58 | 0.15 | 0.08 | 14   |
| 11DS1090A | Soil              |             | 0.80 | 21.61 | 11.93 | 53.5 | 637  | 7.2  | 2.3  | 207  | 0.63 | 0.9  | 0.3  | <0.2 | <0.1 | 30.0  | 5.75 | 0.20 | 0.08 | 13   |



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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02 | 5    | 0.1  | 0.02  |
| 11DS1061A | Soil                             | 6.9  | 14.0 | 0.29 | 215.7 | 0.031 | 3    | 0.73 | 0.012 | 0.09 | <0.1 | 1.5  | 0.03  | 0.07 | 74   | 0.5  | 0.05  |
| 11DS1062A | Soil                             | 6.5  | 10.8 | 0.16 | 208.0 | 0.014 | 2    | 0.47 | 0.012 | 0.06 | 0.1  | 0.6  | 0.02  | 0.06 | 60   | 0.5  | <0.02 |
| 11DS1063A | Soil                             | 6.4  | 8.4  | 0.16 | 193.6 | 0.021 | 2    | 0.40 | 0.013 | 0.05 | <0.1 | 1.4  | 0.02  | 0.10 | 69   | 0.9  | 0.05  |
| 11DS1064A | Soil                             | 12.0 | 21.9 | 0.43 | 237.1 | 0.048 | 3    | 1.19 | 0.017 | 0.05 | 0.1  | 2.8  | 0.06  | 0.07 | 71   | 0.8  | 0.04  |
| 11DS1065A | Soil                             | 13.8 | 18.0 | 0.51 | 197.9 | 0.061 | 3    | 1.17 | 0.021 | 0.08 | 0.2  | 2.9  | 0.04  | 0.09 | 43   | 0.5  | 0.03  |
| 11DS1066A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS1067A | Soil                             | 17.5 | 10.8 | 0.28 | 482.5 | 0.008 | 3    | 0.64 | 0.015 | 0.05 | <0.1 | 0.4  | 0.05  | 0.11 | 108  | 0.7  | 0.02  |
| 11DS1068A | Soil                             | 14.4 | 7.7  | 0.13 | 373.5 | 0.012 | 2    | 0.39 | 0.014 | 0.10 | <0.1 | 0.4  | 0.03  | 0.06 | 89   | 0.4  | 0.03  |
| 11DS1069A | Soil                             | 29.0 | 10.6 | 0.16 | 492.4 | 0.008 | <1   | 0.68 | 0.013 | 0.06 | <0.1 | 0.6  | 0.03  | 0.08 | 103  | 0.8  | <0.02 |
| 11DS1070A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS1071A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS1072A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS1073A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS1074A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS1075A | Soil                             | 7.6  | 9.4  | 0.13 | 334.3 | 0.002 | 1    | 0.49 | 0.015 | 0.06 | <0.1 | 0.2  | 0.02  | 0.05 | 100  | 0.3  | <0.02 |
| 11DS1076A | Soil                             | 15.6 | 10.6 | 0.14 | 389.0 | 0.006 | 1    | 0.64 | 0.017 | 0.05 | <0.1 | 0.4  | 0.03  | 0.07 | 98   | 0.5  | 0.04  |
| 11DS1077A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS1078A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS1079A | Soil                             | 9.9  | 11.4 | 0.19 | 412.4 | 0.006 | 2    | 0.74 | 0.017 | 0.08 | <0.1 | 0.3  | 0.07  | 0.05 | 94   | 0.7  | 0.03  |
| 11DS1080A | Soil                             | 6.0  | 16.5 | 0.24 | 637.2 | 0.044 | 2    | 0.56 | 0.016 | 0.11 | <0.1 | 1.1  | 0.07  | 0.03 | 113  | 0.4  | 0.03  |
| 11DS1081A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS1082A | Soil                             | 3.8  | 9.9  | 0.10 | 608.3 | 0.004 | 2    | 0.45 | 0.019 | 0.07 | <0.1 | 0.2  | 0.03  | 0.04 | 88   | 0.5  | <0.02 |
| 11DS1083A | Soil                             | 4.0  | 10.0 | 0.14 | 652.3 | 0.008 | <1   | 0.54 | 0.020 | 0.08 | <0.1 | 0.3  | 0.05  | 0.04 | 78   | 0.5  | <0.02 |
| 11DS1084A | Soil                             | 5.4  | 9.1  | 0.10 | 362.0 | 0.005 | <1   | 0.46 | 0.017 | 0.07 | <0.1 | 0.3  | 0.05  | 0.04 | 104  | 0.6  | 0.02  |
| 11DS1085A | Soil                             | 37.9 | 12.6 | 0.28 | 1003  | 0.015 | 2    | 1.15 | 0.014 | 0.08 | <0.1 | 3.0  | 0.11  | 0.10 | 127  | 1.1  | <0.02 |
| 11DS1086A | Soil                             | 2.7  | 8.4  | 0.06 | 232.4 | 0.001 | 1    | 0.46 | 0.015 | 0.06 | <0.1 | 0.2  | <0.02 | 0.03 | 51   | 0.4  | <0.02 |
| 11DS1087A | Soil                             | 10.2 | 9.5  | 0.14 | 302.2 | 0.005 | 1    | 0.47 | 0.017 | 0.07 | <0.1 | 0.2  | 0.03  | 0.06 | 86   | 0.3  | 0.04  |
| 11DS1088A | Soil                             | 13.3 | 8.0  | 0.10 | 377.0 | 0.002 | 1    | 0.50 | 0.015 | 0.08 | <0.1 | 0.2  | <0.02 | 0.06 | 99   | 0.3  | <0.02 |
| 11DS1089A | Soil                             | 3.1  | 8.6  | 0.07 | 378.2 | 0.001 | 1    | 0.46 | 0.019 | 0.06 | <0.1 | 0.3  | 0.02  | 0.04 | 78   | 0.4  | <0.02 |
| 11DS1090A | Soil                             | 10.2 | 8.0  | 0.11 | 417.1 | 0.004 | 2    | 0.40 | 0.018 | 0.07 | <0.1 | 0.3  | 0.03  | 0.05 | 108  | 0.3  | <0.02 |



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Project: Mariposa  
Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      | 1F15       |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|------------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        | P          |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11DS1091A | Soil                             | 0.77        | 21.37       | 5.94        | 43.8       | 275      | 7.9        | 2.4        | 95       | 0.60      | 0.6        | 0.2        | 0.4        | <0.1       | 22.6       | 2.73        | 0.17        | 0.08        | 13       | 0.10      | 0.090      |
| 11DS1092A | Soil                             | 0.75        | 41.29       | 18.85       | 43.5       | 476      | 14.3       | 3.7        | 202      | 0.92      | 0.9        | 0.8        | 0.3        | <0.1       | 45.3       | 3.53        | 0.20        | 0.08        | 18       | 0.71      | 0.074      |
| 11DS1093A | Soil                             | 1.00        | 17.74       | 13.35       | 43.1       | 1493     | 7.7        | 3.2        | 489      | 0.92      | 1.4        | 0.4        | 3.1        | <0.1       | 27.0       | 1.15        | 0.26        | 0.07        | 22       | 0.52      | 0.076      |
| 11DS1094A | Soil                             | 0.45        | 18.89       | 6.87        | 44.8       | 259      | 9.5        | 5.7        | 369      | 1.34      | 1.8        | 1.1        | 1.0        | 0.9        | 80.9       | 0.39        | 0.24        | 0.08        | 22       | 2.87      | 0.068      |
| 11DS1095A | Soil                             | 1.13        | 39.51       | 7.98        | 25.8       | 239      | 12.0       | 3.7        | 148      | 1.02      | 1.2        | 1.8        | <0.2       | <0.1       | 47.5       | 0.83        | 0.24        | 0.07        | 13       | 0.85      | 0.092      |
| 11DS1096A | Soil                             | 0.90        | 24.55       | 6.43        | 34.0       | 297      | 11.5       | 3.9        | 202      | 1.21      | 1.4        | 1.2        | 0.9        | 0.3        | 60.3       | 0.46        | 0.35        | 0.08        | 20       | 1.13      | 0.066      |
| 11DS1097A | Soil                             | 1.37        | 22.12       | 5.58        | 29.7       | 298      | 8.4        | 2.4        | 135      | 0.81      | 1.1        | 0.9        | 3.7        | <0.1       | 45.3       | 0.61        | 0.26        | 0.30        | 9        | 0.72      | 0.123      |
| 11DS1098A | Soil                             | 0.84        | 14.73       | 6.78        | 45.7       | 166      | 10.2       | 10.3       | 1125     | 1.54      | 2.2        | 1.7        | 4.5        | 0.6        | 82.6       | 0.36        | 0.80        | 0.13        | 27       | 1.54      | 0.113      |
| 11DS1099A | Soil                             | 1.07        | 17.39       | 5.96        | 48.3       | 243      | 11.3       | 12.1       | 728      | 1.93      | 3.5        | 1.5        | 3.6        | 0.9        | 78.8       | 0.24        | 0.44        | 0.13        | 42       | 1.56      | 0.112      |
| 11DS1100A | Soil                             | 0.83        | 19.26       | 4.30        | 16.6       | 144      | 9.3        | 7.9        | 965      | 0.84      | 1.5        | 1.0        | 3.6        | 0.2        | 105.5      | 0.20        | 0.64        | 0.10        | 16       | 2.31      | 0.110      |
| 11DS1101A | Soil                             | 0.99        | 21.96       | 3.61        | 18.0       | 167      | 10.3       | 8.9        | 1172     | 1.00      | 1.8        | 1.2        | 2.3        | 0.2        | 108.8      | 0.20        | 0.87        | 0.12        | 20       | 2.35      | 0.121      |
| 11DS1102A | Soil                             | 2.38        | 23.43       | 6.28        | 43.7       | 159      | 14.4       | 12.4       | 1964     | 1.65      | 4.3        | 0.9        | 3.6        | 0.5        | 83.4       | 0.39        | 0.87        | 0.12        | 30       | 1.66      | 0.121      |
| 11DS1103A | Soil                             | 1.00        | 29.92       | 6.23        | 67.2       | 94       | 20.4       | 9.0        | 795      | 1.73      | 5.3        | 1.1        | 2.6        | 0.7        | 79.1       | 0.76        | 0.50        | 0.14        | 38       | 1.63      | 0.094      |
| 11DS1104A | Soil                             | 0.75        | 33.77       | 7.30        | 54.3       | 114      | 21.1       | 9.7        | 398      | 2.04      | 6.1        | 0.7        | 4.3        | 1.3        | 65.2       | 0.52        | 0.57        | 0.17        | 43       | 1.30      | 0.076      |
| 11DS1105A | Soil                             | 1.27        | 24.43       | 8.00        | 83.6       | 125      | 13.6       | 7.1        | 344      | 1.48      | 3.4        | 0.7        | 2.7        | 0.4        | 65.2       | 1.68        | 0.42        | 0.15        | 28       | 1.30      | 0.085      |
| 11DS1106A | Soil                             | 0.86        | 15.47       | 8.44        | 64.6       | 88       | 11.6       | 13.0       | 709      | 2.46      | 5.3        | 0.9        | 1.5        | 1.7        | 52.8       | 0.19        | 0.35        | 0.14        | 54       | 0.48      | 0.110      |
| 11DS1107A | Soil                             | 0.82        | 36.32       | 5.99        | 24.5       | 1263     | 12.6       | 5.6        | 52       | 0.91      | 1.6        | 0.8        | 1.7        | <0.1       | 28.7       | 0.64        | 0.18        | 0.12        | 14       | 0.23      | 0.158      |
| 11DS1108A | Soil                             | 0.97        | 42.19       | 9.23        | 36.1       | 989      | 19.1       | 5.6        | 187      | 1.24      | 2.0        | 0.8        | 1.0        | <0.1       | 31.2       | 1.22        | 0.26        | 0.15        | 22       | 0.30      | 0.144      |
| 11DS1109A | Soil                             | 0.76        | 26.12       | 5.27        | 41.4       | 738      | 13.0       | 4.0        | 135      | 0.64      | 1.2        | 0.6        | 1.1        | <0.1       | 41.1       | 0.99        | 0.16        | 0.09        | 8        | 0.39      | 0.171      |
| 11DS1110A | Soil                             | 0.60        | 16.54       | 5.21        | 36.5       | 301      | 11.9       | 4.4        | 146      | 0.59      | 1.1        | 0.2        | 0.8        | <0.1       | 41.0       | 1.44        | 0.16        | 0.09        | 13       | 0.34      | 0.100      |
| 11AN0351A | Soil                             | 0.66        | 21.98       | 3.87        | 26.5       | 117      | 10.0       | 3.9        | 517      | 1.04      | 2.9        | 0.8        | 7.4        | 0.4        | 110.8      | 0.18        | 0.82        | 0.32        | 22       | 2.51      | 0.109      |
| 11AN0352A | Soil                             | 1.19        | 18.53       | 8.09        | 48.0       | 127      | 13.0       | 10.4       | 717      | 1.76      | 4.4        | 0.8        | 1.7        | 0.4        | 67.1       | 0.30        | 0.51        | 0.12        | 38       | 0.80      | 0.105      |
| 11AN0353A | Soil                             | 0.74        | 19.04       | 6.67        | 29.6       | 363      | 8.1        | 3.5        | 81       | 0.93      | 1.7        | 0.5        | 1.3        | <0.1       | 24.3       | 0.60        | 0.20        | 0.18        | 27       | 0.30      | 0.048      |
| 11AN0354A | Soil                             | 0.72        | 22.65       | 6.72        | 34.8       | 189      | 7.7        | 4.9        | 116      | 1.60      | 2.3        | 0.5        | 2.5        | 0.5        | 20.3       | 0.21        | 0.20        | 0.13        | 46       | 0.26      | 0.033      |
| 11AN0355A | Soil                             | 0.63        | 24.51       | 3.23        | 27.1       | 864      | 6.6        | 4.8        | 216      | 1.03      | 1.4        | 1.4        | 2.6        | <0.1       | 67.9       | 0.47        | 0.28        | 0.10        | 15       | 1.71      | 0.090      |
| 11AN0356A | Soil                             | 0.79        | 44.86       | 6.50        | 38.6       | 928      | 13.6       | 5.7        | 154      | 1.17      | 1.4        | 1.7        | 2.1        | <0.1       | 45.1       | 0.71        | 0.23        | 0.12        | 17       | 0.70      | 0.130      |
| 11AN0357A | Soil                             | 0.74        | 43.12       | 5.87        | 57.7       | 491      | 14.3       | 7.6        | 189      | 1.88      | 3.2        | 1.0        | 2.9        | 0.3        | 39.7       | 0.71        | 0.31        | 0.14        | 41       | 0.63      | 0.085      |
| 11AN0358A | Soil                             | 0.92        | 29.39       | 7.57        | 73.1       | 702      | 16.4       | 8.5        | 219      | 2.79      | 5.2        | 1.8        | 3.8        | 1.2        | 33.5       | 0.21        | 0.42        | 0.17        | 51       | 0.48      | 0.105      |
| 11AN0359A | Soil                             | 0.70        | 27.90       | 5.53        | 54.2       | 422      | 11.7       | 6.9        | 160      | 1.62      | 2.9        | 1.1        | 1.9        | 0.2        | 30.2       | 0.49        | 0.33        | 0.10        | 31       | 0.42      | 0.088      |
| 11AN0360A | Soil                             | 0.66        | 26.17       | 6.80        | 57.5       | 277      | 13.1       | 7.2        | 196      | 1.97      | 3.1        | 1.1        | 1.2        | 0.9        | 32.6       | 0.30        | 0.30        | 0.12        | 41       | 0.45      | 0.062      |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15   | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 |
|-----------|----------------------------------|------|------|------|-------|--------|------|------|-------|------|------|------|-------|------|------|------|-------|------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti     | B    | Al   | Na    | K    | W    | Sc   | Ti    | S    | Hg   | Se   | Te    | Ga   |
|           |                                  | ppm  | ppm  | %    | ppm   | %      | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %    | ppb  | ppm  | ppm   | ppm  |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001  | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02 | 5    | 0.1  | 0.02  | 0.1  |
| 11DS1091A | Soil                             | 5.2  | 7.8  | 0.07 | 343.0 | 0.002  | 2    | 0.44 | 0.018 | 0.07 | <0.1 | 0.3  | 0.02  | 0.04 | 74   | 0.2  | <0.02 | 1.4  |
| 11DS1092A | Soil                             | 25.5 | 10.7 | 0.17 | 359.4 | 0.008  | 1    | 0.63 | 0.018 | 0.06 | <0.1 | 0.5  | <0.02 | 0.05 | 80   | 0.5  | <0.02 | 1.8  |
| 11DS1093A | Soil                             | 9.0  | 11.3 | 0.18 | 280.8 | 0.021  | 2    | 0.61 | 0.015 | 0.07 | <0.1 | 1.5  | 0.03  | 0.05 | 104  | 0.4  | <0.02 | 2.5  |
| 11DS1094A | Soil                             | 30.1 | 12.3 | 0.33 | 1106  | 0.019  | 3    | 1.02 | 0.013 | 0.05 | <0.1 | 3.5  | 0.04  | 0.09 | 118  | 0.7  | 0.03  | 2.9  |
| 11DS1095A | Soil                             | 47.0 | 10.6 | 0.14 | 792.3 | 0.009  | 2    | 0.80 | 0.014 | 0.06 | <0.1 | 0.6  | 0.02  | 0.08 | 112  | 0.5  | <0.02 | 2.1  |
| 11DS1096A | Soil                             | 32.9 | 13.1 | 0.23 | 476.4 | 0.027  | 2    | 1.05 | 0.015 | 0.05 | <0.1 | 2.0  | 0.02  | 0.06 | 113  | 0.7  | <0.02 | 3.4  |
| 11DS1097A | Soil                             | 16.4 | 9.6  | 0.11 | 365.1 | 0.006  | 2    | 0.48 | 0.013 | 0.05 | <0.1 | 0.4  | 0.05  | 0.09 | 120  | 0.2  | <0.02 | 1.1  |
| 11DS1098A | Soil                             | 30.9 | 16.8 | 0.35 | 619.6 | 0.032  | 3    | 1.24 | 0.015 | 0.08 | <0.1 | 2.6  | 0.11  | 0.10 | 133  | 0.4  | <0.02 | 3.3  |
| 11DS1099A | Soil                             | 19.3 | 18.5 | 0.37 | 549.9 | 0.041  | 3    | 1.50 | 0.015 | 0.07 | 0.1  | 3.2  | 0.11  | 0.12 | 132  | 0.4  | 0.03  | 4.6  |
| 11DS1100A | Soil                             | 20.8 | 11.1 | 0.20 | 565.7 | 0.011  | 3    | 0.69 | 0.014 | 0.03 | <0.1 | 1.0  | 0.06  | 0.13 | 122  | 0.4  | <0.02 | 1.4  |
| 11DS1101A | Soil                             | 25.4 | 12.2 | 0.22 | 608.7 | 0.012  | 3    | 0.78 | 0.015 | 0.03 | <0.1 | 1.1  | 0.07  | 0.14 | 106  | 0.4  | 0.02  | 1.7  |
| 11DS1102A | Soil                             | 11.9 | 17.9 | 0.31 | 482.6 | 0.025  | 4    | 0.96 | 0.018 | 0.05 | 0.1  | 1.7  | 0.09  | 0.12 | 98   | 0.4  | <0.02 | 2.5  |
| 11DS1103A | Soil                             | 10.9 | 21.8 | 0.40 | 356.8 | 0.041  | 4    | 1.10 | 0.019 | 0.05 | 0.2  | 2.4  | 0.08  | 0.09 | 58   | 0.3  | 0.03  | 3.2  |
| 11DS1104A | Soil                             | 12.2 | 26.0 | 0.49 | 277.4 | 0.052  | 2    | 1.30 | 0.025 | 0.06 | 0.1  | 3.1  | 0.06  | 0.06 | 50   | 0.5  | <0.02 | 3.7  |
| 11DS1105A | Soil                             | 8.4  | 16.9 | 0.39 | 203.3 | 0.035  | 3    | 0.86 | 0.015 | 0.07 | 0.1  | 1.8  | 0.06  | 0.09 | 59   | 0.4  | 0.03  | 2.9  |
| 11DS1106A | Soil                             | 12.3 | 22.0 | 0.55 | 254.0 | 0.071  | 2    | 1.56 | 0.016 | 0.10 | 0.2  | 3.3  | 0.08  | 0.04 | 51   | 0.2  | <0.02 | 5.3  |
| 11DS1107A | Soil                             | 12.3 | 12.6 | 0.08 | 287.2 | <0.001 | 1    | 0.67 | 0.013 | 0.08 | <0.1 | 0.1  | 0.04  | 0.08 | 110  | 0.4  | 0.02  | 1.5  |
| 11DS1108A | Soil                             | 14.4 | 14.1 | 0.15 | 314.2 | 0.003  | <1   | 0.80 | 0.016 | 0.08 | <0.1 | 0.1  | 0.06  | 0.04 | 96   | 0.2  | <0.02 | 2.4  |
| 11DS1109A | Soil                             | 16.7 | 8.5  | 0.10 | 369.3 | 0.001  | 2    | 0.60 | 0.013 | 0.07 | <0.1 | 0.2  | 0.04  | 0.08 | 122  | 0.2  | <0.02 | 0.9  |
| 11DS1110A | Soil                             | 3.0  | 12.2 | 0.09 | 229.3 | 0.003  | 2    | 0.38 | 0.014 | 0.09 | <0.1 | 0.1  | 0.04  | 0.07 | 116  | 0.2  | <0.02 | 1.2  |
| 11AN0351A | Soil                             | 7.6  | 9.8  | 0.22 | 356.8 | 0.020  | 8    | 0.61 | 0.020 | 0.05 | 0.1  | 1.7  | 0.08  | 0.11 | 104  | 0.5  | <0.02 | 1.4  |
| 11AN0352A | Soil                             | 9.9  | 20.4 | 0.37 | 304.6 | 0.034  | 3    | 1.04 | 0.014 | 0.06 | 0.2  | 2.1  | 0.05  | 0.07 | 75   | 0.3  | 0.03  | 3.7  |
| 11AN0353A | Soil                             | 8.2  | 14.6 | 0.15 | 243.6 | 0.021  | <1   | 0.61 | 0.014 | 0.06 | <0.1 | 0.7  | 0.05  | 0.04 | 45   | 0.1  | <0.02 | 3.4  |
| 11AN0354A | Soil                             | 9.0  | 17.0 | 0.33 | 201.4 | 0.079  | 1    | 1.03 | 0.014 | 0.08 | <0.1 | 2.6  | 0.07  | 0.02 | 36   | <0.1 | 0.03  | 5.0  |
| 11AN0355A | Soil                             | 16.1 | 12.1 | 0.21 | 544.0 | 0.018  | 2    | 0.73 | 0.016 | 0.04 | <0.1 | 1.7  | 0.05  | 0.11 | 162  | 0.4  | <0.02 | 1.4  |
| 11AN0356A | Soil                             | 23.5 | 14.9 | 0.18 | 592.0 | 0.022  | 1    | 0.82 | 0.017 | 0.07 | <0.1 | 2.0  | 0.06  | 0.09 | 155  | 0.3  | 0.02  | 2.2  |
| 11AN0357A | Soil                             | 15.1 | 22.4 | 0.44 | 397.4 | 0.055  | 2    | 1.34 | 0.016 | 0.10 | 0.1  | 3.2  | 0.09  | 0.08 | 93   | 0.3  | <0.02 | 4.7  |
| 11AN0358A | Soil                             | 17.5 | 32.3 | 0.61 | 393.5 | 0.080  | 2    | 2.15 | 0.014 | 0.13 | 0.1  | 7.9  | 0.13  | 0.08 | 141  | 0.4  | <0.02 | 6.6  |
| 11AN0359A | Soil                             | 15.5 | 16.1 | 0.42 | 316.7 | 0.044  | 2    | 1.08 | 0.014 | 0.08 | <0.1 | 2.8  | 0.07  | 0.06 | 93   | 0.2  | <0.02 | 3.8  |
| 11AN0360A | Soil                             | 13.9 | 22.5 | 0.53 | 286.8 | 0.067  | 2    | 1.37 | 0.016 | 0.07 | 0.1  | 4.0  | 0.08  | 0.04 | 81   | 0.2  | 0.02  | 4.8  |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

**Page:** 4 of 13 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11AN0361A | Soil                             | 0.62        | 31.53       | 7.32        | 58.5       | 279      | 13.9       | 7.5        | 203      | 1.93      | 2.8        | 1.1        | 2.1        | 0.8        | 33.9       | 0.33        | 0.35        | 0.13        | 40       | 0.47      |
| 11AN0362A | Soil                             | 0.89        | 48.10       | 8.20        | 45.4       | 890      | 16.2       | 6.8        | 212      | 1.62      | 2.6        | 1.0        | 2.0        | 0.4        | 27.4       | 0.72        | 0.25        | 0.13        | 37       | 0.32      |
| 11AN0363A | Soil                             | 0.81        | 25.80       | 6.91        | 42.5       | 354      | 11.6       | 6.3        | 213      | 1.62      | 3.4        | 0.8        | 1.4        | 0.2        | 25.3       | 0.31        | 0.24        | 0.12        | 42       | 0.32      |
| 11AN0364A | Soil                             | 0.73        | 18.79       | 7.26        | 28.2       | 291      | 7.3        | 3.3        | 122      | 0.92      | 2.5        | 0.4        | 1.0        | <0.1       | 24.8       | 0.62        | 0.18        | 0.14        | 29       | 0.20      |
| 11AN0365A | Soil                             | 0.68        | 15.70       | 5.80        | 18.6       | 837      | 7.6        | 2.9        | 61       | 0.79      | 1.5        | 0.3        | 1.1        | <0.1       | 27.5       | 0.62        | 0.16        | 0.10        | 17       | 0.23      |
| 11AN0366A | Soil                             | 0.82        | 12.20       | 7.40        | 35.9       | 635      | 8.5        | 6.0        | 329      | 2.02      | 3.6        | 0.3        | 0.8        | 0.7        | 12.6       | 0.22        | 0.29        | 0.33        | 57       | 0.15      |
| 11AN0367A | Soil                             | 0.83        | 11.04       | 8.60        | 19.4       | 307      | 5.6        | 2.5        | 72       | 1.22      | 3.3        | 0.3        | 1.0        | 0.2        | 12.5       | 0.13        | 0.25        | 0.21        | 42       | 0.11      |
| 11AN0368A | Soil                             | 0.63        | 16.56       | 7.84        | 47.4       | 206      | 11.5       | 5.7        | 172      | 1.80      | 4.9        | 0.5        | 2.8        | 0.6        | 19.5       | 0.20        | 0.26        | 0.15        | 44       | 0.17      |
| 11AN0369A | Soil                             | 0.78        | 22.18       | 6.07        | 19.9       | 998      | 7.4        | 2.3        | 71       | 0.71      | 1.3        | 0.3        | 0.7        | <0.1       | 25.3       | 0.76        | 0.15        | 0.15        | 13       | 0.19      |
| 11AN0370A | Soil                             | 0.98        | 26.50       | 6.35        | 33.8       | 811      | 11.3       | 5.4        | 185      | 1.56      | 2.6        | 0.4        | 0.8        | 0.2        | 22.2       | 0.35        | 0.19        | 0.14        | 44       | 0.29      |
| 11AN0371A | Soil                             | 0.99        | 18.66       | 5.47        | 25.5       | 272      | 5.0        | 2.8        | 133      | 0.91      | 0.9        | 0.3        | 0.5        | <0.1       | 13.7       | 0.61        | 0.19        | 0.16        | 32       | 0.15      |
| 11AN0372A | Soil                             | 1.07        | 20.59       | 5.17        | 33.8       | 1111     | 9.1        | 4.9        | 132      | 1.35      | 2.0        | 0.5        | 1.6        | 0.3        | 21.7       | 0.50        | 0.20        | 0.10        | 34       | 0.29      |
| 11AN0373A | Soil                             | 0.95        | 41.68       | 5.48        | 33.4       | 1184     | 12.0       | 5.2        | 141      | 1.76      | 2.1        | 0.8        | 4.2        | <0.1       | 27.1       | 0.78        | 0.22        | 0.57        | 34       | 0.38      |
| 11AN0374A | Soil                             | 0.80        | 25.18       | 5.66        | 30.6       | 505      | 5.8        | 3.3        | 102      | 1.26      | 1.3        | 0.5        | 1.0        | 0.2        | 15.0       | 0.36        | 0.14        | 0.19        | 32       | 0.17      |
| 11AN0375A | Soil                             | 0.78        | 12.97       | 5.13        | 23.1       | 670      | 3.9        | 1.3        | 60       | 0.67      | 0.5        | 0.2        | 2.6        | <0.1       | 10.7       | 0.34        | 0.12        | 0.68        | 20       | 0.09      |
| 11AN0376A | Soil                             | 0.65        | 10.96       | 3.43        | 36.1       | 248      | 4.5        | 1.5        | 117      | 0.47      | 0.4        | 0.1        | 1.5        | <0.1       | 20.2       | 1.49        | 0.13        | 0.33        | 12       | 0.22      |
| 11AN0377A | Soil                             | 0.59        | 15.73       | 12.25       | 29.8       | 158      | 6.2        | 2.5        | 65       | 1.10      | 1.9        | 0.5        | 0.7        | <0.1       | 15.0       | 0.69        | 0.17        | 0.20        | 26       | 0.12      |
| 11AN0378A | Soil                             | 0.60        | 21.78       | 13.64       | 33.4       | 314      | 5.8        | 3.8        | 123      | 1.20      | 0.9        | 0.5        | 1.1        | 0.3        | 22.1       | 0.93        | 0.16        | 0.13        | 38       | 0.34      |
| 11AN0379A | Soil                             | 0.63        | 27.89       | 46.57       | 108.0      | 649      | 8.6        | 5.6        | 326      | 1.54      | 1.6        | 0.7        | 2.0        | 0.4        | 48.4       | 4.04        | 0.19        | 0.15        | 40       | 1.05      |
| 11AN0380A | Soil                             | 0.88        | 20.99       | 19.28       | 99.1       | 527      | 10.6       | 11.5       | 857      | 2.55      | 2.9        | 0.8        | 1.4        | 1.7        | 27.1       | 0.71        | 0.23        | 0.11        | 58       | 0.61      |
| 11AN0381A | Soil                             | 0.96        | 21.52       | 19.13       | 103.7      | 527      | 11.0       | 11.3       | 794      | 2.76      | 2.9        | 0.9        | 2.5        | 1.8        | 27.0       | 0.69        | 0.25        | 0.13        | 61       | 0.62      |
| 11AN0382A | Soil                             | 1.41        | 21.59       | 15.84       | 64.1       | 293      | 10.7       | 5.2        | 334      | 1.97      | 1.9        | 0.7        | 3.1        | 0.9        | 22.8       | 0.89        | 0.27        | 0.13        | 41       | 0.32      |
| 11AN0383A | Soil                             | 1.03        | 36.12       | 14.50       | 51.4       | 645      | 11.3       | 6.7        | 308      | 2.05      | 2.9        | 1.8        | 1.8        | 0.7        | 48.5       | 0.70        | 0.25        | 0.17        | 38       | 0.73      |
| 11AN0384A | Soil                             | 0.71        | 18.58       | 5.49        | 59.2       | 163      | 11.8       | 6.8        | 965      | 1.66      | 1.6        | 0.9        | 2.3        | 0.5        | 85.7       | 0.41        | 0.39        | 0.08        | 33       | 2.20      |
| 11AN0385A | Soil                             | 1.17        | 11.24       | 4.76        | 42.0       | 102      | 5.2        | 2.7        | 178      | 1.17      | 1.8        | 0.3        | 1.9        | 0.3        | 36.9       | 0.59        | 0.17        | 0.09        | 30       | 0.66      |
| 11AN0386A | Soil                             | 0.93        | 17.81       | 5.50        | 23.4       | 243      | 8.5        | 3.0        | 83       | 1.10      | 1.4        | 0.6        | 1.1        | 0.1        | 39.6       | 0.37        | 0.16        | 0.11        | 24       | 0.38      |
| 11AN0387A | Soil                             | 0.59        | 12.40       | 4.70        | 17.5       | 91       | 4.9        | 1.8        | 54       | 0.78      | 0.7        | 0.6        | 0.5        | <0.1       | 37.8       | 0.42        | 0.13        | 0.12        | 12       | 0.36      |
| 11AN0388A | Soil                             | 0.70        | 16.49       | 7.87        | 31.0       | 386      | 9.3        | 4.1        | 135      | 1.30      | 2.5        | 0.6        | 1.3        | <0.1       | 17.0       | 0.43        | 0.16        | 0.17        | 33       | 0.17      |
| 11AN0389A | Soil                             | 1.00        | 33.76       | 8.56        | 34.4       | 418      | 18.5       | 6.3        | 133      | 2.04      | 3.7        | 1.6        | 1.8        | 0.5        | 34.2       | 0.35        | 0.25        | 0.20        | 44       | 0.33      |
| 11AN0390A | Soil                             | 1.22        | 12.65       | 5.49        | 35.9       | 218      | 9.7        | 4.1        | 135      | 1.62      | 3.8        | 0.5        | 1.3        | 0.2        | 19.3       | 0.22        | 0.27        | 0.16        | 41       | 0.20      |



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Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0361A | Soil                             | 14.9 | 22.2 | 0.52 | 309.2 | 0.069 | 1    | 1.33 | 0.017 | 0.07 | 0.1  | 4.0  | 0.08 | 0.04  | 63   | 0.2  | <0.02 |
| 11AN0362A | Soil                             | 10.4 | 18.5 | 0.29 | 252.7 | 0.060 | 1    | 0.90 | 0.022 | 0.08 | <0.1 | 2.3  | 0.07 | 0.03  | 50   | 0.1  | 0.03  |
| 11AN0363A | Soil                             | 10.1 | 19.4 | 0.39 | 218.0 | 0.054 | 1    | 1.13 | 0.014 | 0.07 | <0.1 | 2.0  | 0.07 | 0.03  | 51   | 0.2  | 0.02  |
| 11AN0364A | Soil                             | 6.0  | 13.1 | 0.14 | 244.7 | 0.026 | <1   | 0.55 | 0.014 | 0.06 | <0.1 | 0.4  | 0.05 | 0.03  | 47   | 0.2  | 0.02  |
| 11AN0365A | Soil                             | 4.5  | 11.0 | 0.11 | 194.9 | 0.002 | 1    | 0.56 | 0.017 | 0.08 | <0.1 | 0.1  | 0.04 | 0.05  | 81   | 0.3  | <0.02 |
| 11AN0366A | Soil                             | 7.1  | 18.3 | 0.25 | 189.0 | 0.061 | <1   | 0.94 | 0.010 | 0.05 | <0.1 | 1.8  | 0.08 | <0.02 | 16   | 0.1  | 0.02  |
| 11AN0367A | Soil                             | 7.8  | 15.7 | 0.16 | 94.7  | 0.046 | <1   | 0.78 | 0.009 | 0.04 | <0.1 | 1.0  | 0.08 | <0.02 | 29   | 0.1  | <0.02 |
| 11AN0368A | Soil                             | 7.5  | 25.0 | 0.33 | 203.6 | 0.055 | 1    | 1.30 | 0.013 | 0.08 | <0.1 | 2.2  | 0.08 | 0.02  | 53   | 0.2  | 0.02  |
| 11AN0369A | Soil                             | 3.9  | 10.8 | 0.08 | 222.6 | 0.001 | 1    | 0.49 | 0.017 | 0.06 | <0.1 | 0.1  | 0.05 | 0.05  | 80   | 0.2  | <0.02 |
| 11AN0370A | Soil                             | 6.6  | 24.1 | 0.35 | 156.3 | 0.078 | <1   | 0.95 | 0.016 | 0.15 | <0.1 | 2.3  | 0.11 | 0.03  | 60   | 0.2  | 0.02  |
| 11AN0371A | Soil                             | 5.6  | 11.7 | 0.13 | 120.2 | 0.057 | <1   | 0.42 | 0.017 | 0.09 | <0.1 | 1.0  | 0.08 | <0.02 | 15   | <0.1 | <0.02 |
| 11AN0372A | Soil                             | 8.5  | 19.9 | 0.34 | 210.9 | 0.066 | <1   | 0.82 | 0.019 | 0.17 | <0.1 | 2.3  | 0.12 | 0.03  | 75   | 0.2  | 0.03  |
| 11AN0373A | Soil                             | 13.3 | 11.8 | 0.28 | 272.8 | 0.028 | 2    | 1.04 | 0.014 | 0.14 | <0.1 | 1.3  | 0.08 | 0.05  | 95   | 0.2  | 0.02  |
| 11AN0374A | Soil                             | 9.3  | 10.2 | 0.25 | 191.8 | 0.066 | 2    | 0.82 | 0.013 | 0.13 | <0.1 | 1.9  | 0.10 | 0.03  | 30   | <0.1 | <0.02 |
| 11AN0375A | Soil                             | 5.5  | 9.4  | 0.07 | 98.8  | 0.018 | 2    | 0.41 | 0.014 | 0.05 | <0.1 | 0.8  | 0.04 | <0.02 | 22   | <0.1 | <0.02 |
| 11AN0376A | Soil                             | 2.0  | 8.7  | 0.06 | 162.8 | 0.012 | 3    | 0.26 | 0.017 | 0.05 | <0.1 | 0.7  | 0.05 | 0.06  | 77   | <0.1 | <0.02 |
| 11AN0377A | Soil                             | 6.7  | 14.4 | 0.16 | 160.8 | 0.021 | 2    | 0.74 | 0.013 | 0.06 | <0.1 | 0.8  | 0.05 | 0.04  | 50   | <0.1 | 0.04  |
| 11AN0378A | Soil                             | 13.1 | 18.7 | 0.30 | 169.2 | 0.062 | 2    | 0.75 | 0.018 | 0.07 | <0.1 | 2.6  | 0.06 | 0.03  | 28   | <0.1 | 0.03  |
| 11AN0379A | Soil                             | 13.9 | 19.6 | 0.40 | 300.0 | 0.053 | 2    | 1.06 | 0.017 | 0.06 | <0.1 | 3.8  | 0.06 | 0.05  | 80   | 0.2  | 0.03  |
| 11AN0380A | Soil                             | 20.5 | 22.7 | 0.58 | 236.0 | 0.056 | 1    | 1.55 | 0.012 | 0.08 | 0.1  | 5.2  | 0.07 | 0.03  | 41   | <0.1 | 0.02  |
| 11AN0381A | Soil                             | 20.0 | 24.1 | 0.61 | 240.9 | 0.059 | 2    | 1.66 | 0.012 | 0.08 | 0.1  | 5.7  | 0.07 | 0.03  | 57   | <0.1 | 0.03  |
| 11AN0382A | Soil                             | 20.1 | 16.6 | 0.37 | 657.7 | 0.026 | 2    | 1.51 | 0.014 | 0.12 | <0.1 | 3.2  | 0.06 | 0.03  | 83   | <0.1 | <0.02 |
| 11AN0383A | Soil                             | 48.0 | 19.0 | 0.28 | 858.4 | 0.025 | 2    | 1.71 | 0.014 | 0.07 | <0.1 | 4.1  | 0.06 | 0.06  | 103  | 0.4  | 0.02  |
| 11AN0384A | Soil                             | 21.2 | 15.0 | 0.45 | 739.9 | 0.021 | 4    | 1.30 | 0.013 | 0.05 | <0.1 | 2.4  | 0.05 | 0.12  | 85   | 0.4  | 0.02  |
| 11AN0385A | Soil                             | 5.8  | 10.4 | 0.24 | 153.8 | 0.034 | 2    | 0.71 | 0.012 | 0.08 | <0.1 | 1.4  | 0.04 | 0.05  | 53   | <0.1 | <0.02 |
| 11AN0386A | Soil                             | 9.8  | 11.5 | 0.17 | 253.4 | 0.030 | 1    | 0.81 | 0.018 | 0.05 | <0.1 | 1.1  | 0.04 | 0.04  | 51   | 0.1  | <0.02 |
| 11AN0387A | Soil                             | 7.9  | 10.5 | 0.07 | 239.0 | 0.002 | 1    | 0.60 | 0.012 | 0.05 | <0.1 | 0.2  | 0.03 | 0.07  | 61   | 0.2  | <0.02 |
| 11AN0388A | Soil                             | 11.2 | 16.0 | 0.26 | 190.2 | 0.039 | 1    | 1.11 | 0.009 | 0.07 | <0.1 | 1.2  | 0.08 | 0.03  | 50   | <0.1 | <0.02 |
| 11AN0389A | Soil                             | 35.3 | 20.0 | 0.30 | 326.7 | 0.053 | 2    | 1.87 | 0.009 | 0.09 | 0.1  | 3.5  | 0.07 | 0.05  | 66   | 0.1  | <0.02 |
| 11AN0390A | Soil                             | 9.0  | 16.2 | 0.27 | 177.6 | 0.049 | 2    | 1.13 | 0.008 | 0.08 | 0.1  | 1.6  | 0.07 | 0.04  | 59   | 0.2  | 0.03  |





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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11AN0391A | Soil                             | 0.74   | 24.84  | 5.31   | 28.7   | 399    | 14.0   | 2.4    | 79     | 0.84   | 1.1    | 0.7    | 1.7    | <0.1   | 30.3   | 0.93   | 0.15   | 0.15   | 18     | 0.34   |
| 11AN0392A | Soil                             | 0.88   | 31.47  | 6.20   | 36.1   | 583    | 15.2   | 5.2    | 159    | 1.47   | 2.2    | 1.1    | 1.4    | 0.3    | 33.6   | 0.55   | 0.21   | 0.17   | 35     | 0.43   |
| 11AN0393A | Soil                             | 0.86   | 16.58  | 6.05   | 39.6   | 240    | 10.3   | 4.3    | 156    | 1.63   | 3.0    | 0.4    | 1.6    | <0.1   | 19.3   | 0.52   | 0.22   | 0.16   | 43     | 0.21   |
| 11AN0394A | Soil                             | 0.73   | 11.33  | 4.67   | 41.0   | 121    | 9.6    | 5.0    | 172    | 1.53   | 3.6    | 0.4    | 1.7    | 0.2    | 13.4   | 0.23   | 0.23   | 0.12   | 37     | 0.14   |
| 11AN0395A | Soil                             | 0.58   | 27.02  | 5.05   | 15.3   | 361    | 9.3    | 2.0    | 31     | 0.78   | 0.8    | 0.8    | 1.2    | 0.1    | 28.6   | 0.51   | 0.12   | 0.15   | 16     | 0.30   |
| 11AN0396A | Soil                             | 0.62   | 10.54  | 3.58   | 37.1   | 270    | 7.1    | 2.5    | 435    | 1.01   | 1.2    | 0.3    | 0.3    | 0.1    | 15.3   | 0.35   | 0.18   | 0.12   | 27     | 0.19   |
| 11AN0397A | Soil                             | 0.66   | 7.26   | 2.96   | 16.8   | 167    | 4.3    | 1.9    | 123    | 0.94   | 1.0    | 0.7    | 0.7    | <0.1   | 25.0   | 0.23   | 0.15   | 0.13   | 10     | 0.36   |
| 11AN0398A | Soil                             | 0.88   | 12.59  | 4.96   | 44.7   | 293    | 8.0    | 4.0    | 390    | 1.45   | 2.3    | 0.2    | 0.3    | 0.1    | 16.7   | 0.54   | 0.22   | 0.16   | 44     | 0.21   |
| 11AN0399A | Soil                             | 0.85   | 16.15  | 4.26   | 24.0   | 234    | 10.2   | 3.0    | 123    | 1.23   | 2.2    | 0.7    | 1.7    | 0.4    | 23.3   | 0.35   | 0.19   | 0.19   | 23     | 0.32   |
| 11AN0400A | Soil                             | 0.87   | 17.33  | 5.36   | 37.3   | 226    | 11.3   | 4.1    | 201    | 1.58   | 2.3    | 0.7    | 0.6    | 0.3    | 19.6   | 0.30   | 0.22   | 0.28   | 37     | 0.24   |
| 11AN0401A | Soil                             | 0.91   | 17.49  | 6.34   | 34.6   | 265    | 11.2   | 3.9    | 145    | 1.67   | 3.0    | 0.5    | 1.9    | 0.3    | 15.2   | 0.24   | 0.24   | 0.34   | 45     | 0.16   |
| 11AN0402A | Soil                             | 1.09   | 11.88  | 4.68   | 37.0   | 196    | 8.4    | 3.6    | 259    | 1.39   | 2.3    | 0.5    | 1.4    | 0.4    | 17.7   | 0.20   | 0.20   | 0.15   | 33     | 0.23   |
| 11CB1059A | Soil                             | 0.61   | 9.19   | 3.43   | 37.3   | 114    | 6.9    | 8.0    | 189    | 1.09   | 1.7    | 0.4    | 1.5    | 0.2    | 21.1   | 0.22   | 0.20   | 0.07   | 22     | 0.23   |
| 11CB1060A | Soil                             | 0.63   | 19.18  | 4.29   | 29.9   | 330    | 9.2    | 5.7    | 209    | 1.06   | 1.1    | 0.9    | 0.8    | <0.1   | 29.7   | 0.34   | 0.19   | 0.08   | 11     | 0.37   |
| 11CB1061A | Soil                             | 0.75   | 17.79  | 4.36   | 49.0   | 339    | 10.7   | 7.5    | 592    | 1.39   | 1.7    | 0.9    | 1.4    | 0.2    | 31.1   | 0.25   | 0.22   | 0.08   | 21     | 0.45   |
| 11CB1062A | Soil                             | 0.83   | 48.05  | 5.98   | 50.7   | 579    | 15.2   | 7.2    | 852    | 1.29   | 1.5    | 1.1    | 1.1    | <0.1   | 26.0   | 0.71   | 0.14   | 0.11   | 31     | 0.37   |
| 11CB1063A | Soil                             | 0.97   | 26.54  | 5.29   | 33.6   | 1133   | 10.1   | 9.0    | 707    | 1.00   | 0.9    | 0.6    | 0.8    | <0.1   | 27.6   | 0.52   | 0.16   | 0.09   | 26     | 0.43   |
| 11CB1064A | Soil                             | 0.80   | 41.14  | 7.61   | 161.6  | 2210   | 16.9   | 6.2    | 2182   | 1.25   | 1.1    | 1.0    | 1.3    | 0.1    | 49.1   | 1.42   | 0.21   | 0.09   | 19     | 0.89   |
| 11CB1065A | Soil                             | 1.27   | 31.44  | 6.70   | 78.7   | 1796   | 12.0   | 5.0    | 551    | 1.37   | 1.7    | 0.4    | 3.0    | 0.7    | 43.6   | 1.92   | 0.28   | 0.25   | 32     | 0.55   |
| 11CB1066A | Soil                             | 0.92   | 50.96  | 4.70   | 43.3   | 1362   | 11.4   | 5.5    | 177    | 1.21   | 1.2    | 1.4    | 5.6    | <0.1   | 53.1   | 1.02   | 0.32   | 0.75   | 20     | 0.76   |
| 11CB1067A | Soil                             | 1.13   | 60.94  | 6.13   | 45.6   | 956    | 14.5   | 6.6    | 218    | 1.65   | 1.8    | 1.8    | 2.7    | 0.4    | 46.8   | 0.74   | 0.20   | 0.21   | 27     | 0.67   |
| 11CB1068A | Soil                             | 1.53   | 31.38  | 5.93   | 110.7  | 876    | 13.0   | 5.5    | 1377   | 1.42   | 2.1    | 0.5    | 2.0    | 0.8    | 43.8   | 1.10   | 0.25   | 0.20   | 38     | 1.06   |
| 11CB1069A | Soil                             | 0.90   | 28.72  | 6.19   | 51.4   | 1864   | 12.1   | 7.6    | 493    | 1.47   | 1.9    | 0.9    | 1.8    | 0.3    | 41.8   | 1.15   | 0.24   | 0.14   | 26     | 0.75   |
| 11CB1070A | Soil                             | 1.19   | 42.58  | 16.98  | 66.3   | 4468   | 18.2   | 8.7    | 409    | 1.97   | 2.0    | 1.9    | 2.3    | 0.4    | 49.9   | 2.29   | 0.26   | 0.11   | 20     | 0.67   |
| 11CB1071A | Soil                             | 0.63   | 41.36  | 29.59  | 166.6  | 2877   | 18.1   | 14.0   | 2030   | 1.50   | 1.3    | 1.6    | 0.8    | 0.3    | 69.3   | 8.14   | 0.19   | 0.14   | 18     | 1.38   |
| 11CB1072A | Soil                             | 0.65   | 39.65  | 25.66  | 171.0  | 2032   | 16.6   | 10.7   | 1866   | 1.41   | 1.4    | 1.4    | 0.9    | 0.5    | 55.6   | 7.57   | 0.20   | 0.11   | 19     | 1.00   |
| 11CB1073A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1074A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1075A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1076A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11AN0391A | Soil                             | 19.6   | 11.7   | 0.13   | 333.3  | 0.013  | 2      | 0.64   | 0.015  | 0.06   | <0.1   | 0.6    | 0.05   | 0.05   | 56     | <0.1   | <0.02  |
| 11AN0392A | Soil                             | 31.8   | 18.0   | 0.30   | 354.8  | 0.045  | 2      | 1.14   | 0.016  | 0.11   | <0.1   | 2.4    | 0.07   | 0.04   | 33     | 0.2    | <0.02  |
| 11AN0393A | Soil                             | 10.1   | 15.0   | 0.26   | 233.0  | 0.043  | 1      | 0.95   | 0.009  | 0.10   | <0.1   | 1.2    | 0.08   | 0.04   | 55     | <0.1   | <0.02  |
| 11AN0394A | Soil                             | 6.5    | 15.2   | 0.32   | 141.4  | 0.047  | 2      | 1.04   | 0.010  | 0.08   | 0.1    | 1.6    | 0.05   | 0.04   | 62     | 0.1    | 0.03   |
| 11AN0395A | Soil                             | 15.6   | 11.1   | 0.08   | 271.8  | 0.022  | <1     | 0.53   | 0.012  | 0.07   | <0.1   | 1.1    | 0.03   | 0.05   | 68     | 0.1    | <0.02  |
| 11AN0396A | Soil                             | 3.9    | 9.3    | 0.22   | 184.3  | 0.050  | 1      | 0.56   | 0.014  | 0.14   | <0.1   | 1.3    | 0.07   | 0.04   | 65     | 0.1    | <0.02  |
| 11AN0397A | Soil                             | 21.7   | 8.9    | 0.11   | 281.6  | 0.019  | 2      | 0.63   | 0.011  | 0.07   | <0.1   | 1.3    | 0.07   | 0.11   | 128    | 0.3    | <0.02  |
| 11AN0398A | Soil                             | 5.5    | 10.9   | 0.24   | 239.2  | 0.050  | 1      | 0.79   | 0.011  | 0.09   | <0.1   | 1.4    | 0.08   | 0.03   | 57     | <0.1   | <0.02  |
| 11AN0399A | Soil                             | 29.8   | 14.3   | 0.11   | 285.3  | 0.026  | 2      | 0.92   | 0.010  | 0.07   | <0.1   | 2.6    | 0.05   | 0.13   | 125    | 0.3    | <0.02  |
| 11AN0400A | Soil                             | 21.4   | 14.9   | 0.23   | 267.7  | 0.039  | 2      | 0.92   | 0.011  | 0.08   | <0.1   | 2.2    | 0.06   | 0.04   | 71     | 0.2    | <0.02  |
| 11AN0401A | Soil                             | 15.6   | 16.3   | 0.22   | 203.9  | 0.048  | 2      | 0.99   | 0.010  | 0.07   | 0.1    | 2.3    | 0.09   | 0.03   | 66     | 0.1    | 0.06   |
| 11AN0402A | Soil                             | 11.4   | 15.4   | 0.27   | 223.6  | 0.041  | 2      | 0.76   | 0.011  | 0.10   | 0.1    | 2.3    | 0.07   | 0.05   | 71     | 0.1    | <0.02  |
| 11CB1059A | Soil                             | 8.8    | 9.7    | 0.33   | 214.7  | 0.039  | 3      | 0.73   | 0.014  | 0.09   | <0.1   | 2.1    | 0.07   | 0.07   | 80     | <0.1   | <0.02  |
| 11CB1060A | Soil                             | 11.2   | 9.3    | 0.20   | 364.1  | 0.017  | 2      | 0.73   | 0.012  | 0.05   | <0.1   | 1.7    | 0.05   | 0.10   | 113    | 0.1    | <0.02  |
| 11CB1061A | Soil                             | 12.0   | 13.5   | 0.36   | 356.3  | 0.032  | 3      | 1.05   | 0.012  | 0.06   | <0.1   | 2.9    | 0.07   | 0.09   | 126    | 0.1    | <0.02  |
| 11CB1062A | Soil                             | 37.7   | 15.1   | 0.31   | 359.4  | 0.029  | 1      | 0.83   | 0.016  | 0.11   | <0.1   | 1.5    | 0.07   | 0.04   | 48     | 0.2    | <0.02  |
| 11CB1063A | Soil                             | 11.3   | 12.3   | 0.24   | 241.9  | 0.020  | 2      | 0.74   | 0.018  | 0.09   | <0.1   | 1.0    | 0.07   | 0.04   | 51     | <0.1   | <0.02  |
| 11CB1064A | Soil                             | 16.9   | 10.3   | 0.18   | 634.5  | 0.012  | 3      | 0.82   | 0.022  | 0.12   | <0.1   | 1.1    | 0.04   | 0.04   | 50     | 0.2    | <0.02  |
| 11CB1065A | Soil                             | 7.4    | 14.6   | 0.21   | 482.1  | 0.049  | 2      | 0.73   | 0.020  | 0.19   | <0.1   | 2.3    | 0.06   | <0.02  | 9      | <0.1   | 0.03   |
| 11CB1066A | Soil                             | 26.8   | 10.8   | 0.22   | 663.1  | 0.020  | 2      | 0.75   | 0.013  | 0.08   | 0.1    | 1.3    | 0.06   | 0.08   | 137    | 0.4    | 0.03   |
| 11CB1067A | Soil                             | 31.7   | 21.0   | 0.34   | 654.0  | 0.036  | 2      | 1.13   | 0.014  | 0.08   | 0.1    | 3.7    | 0.06   | 0.07   | 142    | 0.3    | 0.03   |
| 11CB1068A | Soil                             | 18.6   | 27.8   | 0.26   | 422.7  | 0.051  | 2      | 0.72   | 0.014  | 0.23   | <0.1   | 2.8    | 0.06   | 0.03   | 28     | 0.1    | <0.02  |
| 11CB1069A | Soil                             | 20.2   | 13.0   | 0.24   | 470.3  | 0.029  | 1      | 1.05   | 0.012  | 0.11   | 0.1    | 3.1    | 0.04   | 0.07   | 151    | 0.2    | 0.02   |
| 11CB1070A | Soil                             | 48.6   | 14.6   | 0.24   | 633.9  | 0.023  | 1      | 1.17   | 0.013  | 0.08   | <0.1   | 4.9    | 0.04   | 0.09   | 195    | 0.3    | <0.02  |
| 11CB1071A | Soil                             | 44.7   | 11.9   | 0.24   | 1418   | 0.017  | 2      | 0.89   | 0.015  | 0.09   | <0.1   | 3.6    | 0.03   | 0.06   | 94     | 0.1    | <0.02  |
| 11CB1072A | Soil                             | 36.7   | 11.7   | 0.21   | 1294   | 0.025  | 1      | 0.83   | 0.016  | 0.10   | <0.1   | 4.2    | 0.02   | 0.04   | 72     | 0.1    | 0.03   |
| 11CB1073A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1074A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1075A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1076A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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Project: Mariposa  
Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11CB1077A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1078A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1079A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1080A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1081A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1082A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1083A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1084A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1085A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1086A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1087A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1088A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1089A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1090A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1091A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1092A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1093A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1094A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1095A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1096A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1097A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1098A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1099A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1100A | Soil                             | 0.59   | 9.75   | 2.97   | 24.8   | 222    | 5.5    | 2.8    | 84     | 1.07   | 1.0    | 0.6    | 2.2    | 0.5    | 18.9   | 0.24   | 0.15   | 0.10   | 15     | 0.27   |
| 11CB1101A | Soil                             | 0.71   | 10.72  | 2.17   | 24.4   | 311    | 4.6    | 2.9    | 67     | 0.94   | 1.1    | 0.5    | 2.6    | 0.4    | 19.8   | 0.30   | 0.15   | 0.10   | 11     | 0.31   |
| 11CB1102A | Soil                             | 0.81   | 12.80  | 4.75   | 61.4   | 201    | 10.9   | 7.1    | 295    | 2.49   | 2.4    | 0.7    | 2.3    | 2.0    | 16.2   | 0.08   | 0.15   | 0.15   | 52     | 0.28   |
| 11CB1103A | Soil                             | 1.45   | 22.51  | 7.05   | 89.8   | 612    | 14.9   | 11.2   | 947    | 3.11   | 2.8    | 1.2    | 0.5    | 3.1    | 26.6   | 0.51   | 0.19   | 0.13   | 62     | 0.34   |
| 11CB1104A | Soil                             | 0.99   | 34.03  | 6.94   | 63.0   | 450    | 12.5   | 12.7   | 1171   | 2.65   | 2.1    | 2.7    | 2.3    | 1.7    | 45.2   | 0.55   | 0.22   | 0.09   | 56     | 0.88   |
| 11CB1105A | Soil                             | 1.20   | 19.89  | 6.97   | 42.5   | 249    | 9.6    | 4.1    | 190    | 2.01   | 2.3    | 1.0    | 1.7    | 0.4    | 15.6   | 0.33   | 0.15   | 0.10   | 41     | 0.20   |
| 11CB1106A | Soil                             | 1.43   | 19.44  | 6.28   | 48.1   | 534    | 11.1   | 7.8    | 3895   | 1.29   | 1.1    | 0.5    | 0.6    | <0.1   | 21.2   | 1.03   | 0.17   | 0.10   | 28     | 0.33   |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

**Page:** 6 of 13 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB1077A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1078A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1079A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1080A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1081A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1082A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1083A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1084A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1085A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1086A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1087A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1088A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1089A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1090A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1091A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1092A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1093A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1094A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1095A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1096A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1097A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1098A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1099A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11CB1100A | Soil                             | 15.7   | 8.4    | 0.16   | 214.6  | 0.030  | 1      | 0.58   | 0.013  | 0.07   | <0.1   | 2.1    | 0.06   | 0.10   | 150    | 0.2    | 0.02   |
| 11CB1101A | Soil                             | 13.2   | 7.1    | 0.11   | 190.7  | 0.021  | 2      | 0.40   | 0.014  | 0.06   | <0.1   | 1.6    | 0.04   | 0.11   | 134    | 0.2    | <0.02  |
| 11CB1102A | Soil                             | 19.0   | 20.8   | 0.67   | 235.9  | 0.097  | 1      | 1.63   | 0.011  | 0.19   | 0.2    | 4.8    | 0.15   | 0.04   | 54     | <0.1   | 0.04   |
| 11CB1103A | Soil                             | 20.2   | 19.4   | 0.57   | 481.5  | 0.083  | 2      | 1.61   | 0.014  | 0.14   | <0.1   | 7.1    | 0.06   | <0.02  | 19     | 0.2    | 0.03   |
| 11CB1104A | Soil                             | 64.4   | 13.0   | 0.58   | 662.6  | 0.063  | 1      | 1.48   | 0.012  | 0.26   | <0.1   | 8.8    | 0.10   | 0.06   | 78     | <0.1   | <0.02  |
| 11CB1105A | Soil                             | 19.0   | 14.7   | 0.30   | 246.5  | 0.035  | <1     | 1.01   | 0.013  | 0.07   | <0.1   | 2.9    | 0.06   | 0.04   | 54     | 0.1    | <0.02  |
| 11CB1106A | Soil                             | 10.9   | 10.9   | 0.18   | 530.6  | 0.023  | <1     | 0.57   | 0.014  | 0.13   | <0.1   | 1.2    | 0.07   | 0.05   | 80     | <0.1   | <0.02  |



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Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           |      | Method  | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |      | Analyte | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |      | Unit    | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |      | MDL     | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
|           |      |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 0.001  |
| 11CB1107A | Soil |         | 1.70   | 22.48  | 4.44   | 26.9   | 429    | 7.7    | 3.0    | 122    | 1.53   | 1.8    | 0.8    | 1.1    | 0.4    | 18.0   | 0.17   | 0.16   | 0.33   | 34     | 0.33   |
| 11CB1108A | Soil |         | 1.37   | 29.66  | 6.12   | 48.2   | 1003   | 10.1   | 10.1   | 1262   | 2.42   | 2.4    | 1.6    | 4.9    | 1.1    | 59.7   | 0.46   | 0.24   | 0.14   | 44     | 1.35   |
| 11CB1109A | Soil |         | 1.36   | 34.68  | 6.57   | 56.8   | 985    | 11.8   | 10.8   | 1581   | 2.65   | 3.1    | 1.6    | 4.1    | 1.4    | 56.6   | 0.50   | 0.24   | 0.12   | 49     | 1.31   |
| 11CB1110A | Soil |         | 1.41   | 29.06  | 5.45   | 39.7   | 844    | 10.2   | 9.2    | 1677   | 2.02   | 2.0    | 1.4    | 2.8    | 0.8    | 62.0   | 0.55   | 0.21   | 0.10   | 37     | 1.41   |
| 11CB1111A | Soil |         | 1.53   | 26.95  | 5.50   | 40.5   | 795    | 9.2    | 8.8    | 2096   | 1.84   | 1.9    | 1.3    | 2.8    | 0.6    | 76.8   | 0.68   | 0.22   | 0.09   | 33     | 1.74   |
| 11CB1112A | Soil |         | 0.47   | 17.08  | 6.20   | 50.2   | 87     | 11.1   | 5.9    | 527    | 1.61   | 2.4    | 0.6    | 2.8    | 0.7    | 70.3   | 0.34   | 0.21   | 0.06   | 32     | 2.41   |
| 11CB1113A | Soil |         | 0.37   | 15.66  | 4.90   | 40.8   | 70     | 9.8    | 4.8    | 440    | 1.28   | 1.8    | 0.5    | 2.4    | 0.5    | 79.4   | 0.28   | 0.20   | 0.06   | 25     | 2.92   |
| 11TB0999A | Soil |         | 0.65   | 17.99  | 8.01   | 24.0   | 172    | 5.0    | 2.3    | 98     | 1.00   | 1.1    | 0.5    | 0.9    | <0.1   | 17.1   | 0.32   | 0.14   | 0.17   | 25     | 0.13   |
| 11TB1000A | Soil |         | 0.79   | 56.35  | 7.00   | 106.5  | 2787   | 10.7   | 5.1    | 1192   | 1.19   | 1.5    | 0.8    | 0.9    | 0.1    | 70.5   | 1.52   | 0.19   | 0.14   | 18     | 1.02   |
| 11TB1001A | Soil |         | 0.73   | 19.30  | 6.62   | 30.4   | 401    | 5.8    | 3.4    | 117    | 1.42   | 1.9    | 0.6    | 1.3    | <0.1   | 17.3   | 0.23   | 0.16   | 0.12   | 32     | 0.12   |
| 11TB1002A | Soil |         | 0.80   | 23.29  | 9.77   | 35.0   | 184    | 6.5    | 2.9    | 194    | 0.91   | 1.5    | 0.5    | 0.5    | <0.1   | 39.1   | 0.78   | 0.17   | 0.09   | 23     | 0.54   |
| 11TB1003A | Soil |         | 0.64   | 13.73  | 7.06   | 27.8   | 533    | 4.6    | 2.5    | 95     | 0.93   | 1.7    | 0.4    | 0.7    | <0.1   | 20.9   | 0.59   | 0.14   | 0.16   | 21     | 0.17   |
| 11TB1004A | Soil |         | 0.63   | 65.55  | 24.58  | 75.4   | 1089   | 8.5    | 3.6    | 97     | 1.26   | 1.3    | 1.2    | 1.3    | <0.1   | 38.6   | 1.95   | 0.16   | 0.16   | 24     | 0.34   |
| 11TB1005A | Soil |         | 0.53   | 41.72  | 7.97   | 48.3   | 1029   | 5.8    | 3.0    | 141    | 0.69   | 0.8    | 0.9    | 2.5    | <0.1   | 50.6   | 1.53   | 0.40   | 0.17   | 6      | 0.59   |
| 11TB1006A | Soil |         | 0.86   | 9.89   | 2.00   | 17.2   | 137    | 5.3    | 5.4    | 178    | 0.65   | 0.7    | 1.3    | 0.9    | 1.0    | 73.7   | 0.24   | 0.54   | 0.04   | 3      | 0.88   |
| 11TB1007A | Soil |         | 2.29   | 25.82  | 11.08  | 65.1   | 409    | 18.4   | 17.1   | 900    | 3.12   | 8.1    | 2.4    | 3.7    | 3.2    | 49.4   | 0.28   | 0.38   | 0.23   | 52     | 0.53   |
| 11TB1008A | Soil |         | 0.69   | 37.74  | 5.55   | 29.3   | 537    | 15.2   | 6.0    | 144    | 1.02   | 1.6    | 1.6    | 0.3    | 0.1    | 56.5   | 0.84   | 0.18   | 0.09   | 17     | 0.61   |
| 11TB1009A | Soil |         | 0.45   | 9.36   | 4.92   | 93.1   | 227    | 8.7    | 8.3    | 1880   | 1.48   | 2.2    | 0.1    | <0.2   | 0.3    | 119.7  | 0.37   | 0.21   | 0.05   | 33     | 1.39   |
| 11TB1010A | Soil |         | 0.59   | 18.26  | 5.93   | 17.7   | 99     | 8.3    | 3.2    | 80     | 1.00   | 1.6    | 0.3    | <0.2   | <0.1   | 25.1   | 0.45   | 0.17   | 0.11   | 21     | 0.13   |
| 11TB1011A | Soil |         | 0.58   | 15.77  | 6.00   | 42.1   | 89     | 7.1    | 3.5    | 168    | 1.31   | 2.4    | 0.2    | 0.8    | 0.2    | 24.0   | 0.71   | 0.19   | 0.13   | 30     | 0.11   |
| 11TB1012A | Soil |         | 0.75   | 13.27  | 4.29   | 15.8   | 164    | 7.2    | 2.7    | 50     | 0.90   | 1.2    | 0.4    | 0.3    | <0.1   | 23.7   | 0.57   | 0.17   | 0.08   | 18     | 0.16   |
| 11TB1013A | Soil |         | 0.72   | 11.18  | 6.38   | 28.6   | 64     | 7.9    | 3.3    | 107    | 1.77   | 4.3    | 0.3    | 6.9    | 0.5    | 19.8   | 0.26   | 0.29   | 0.38   | 47     | 0.10   |
| 11TB1014A | Soil |         | 0.60   | 12.45  | 1.80   | 28.7   | 150    | 5.8    | 5.2    | 1788   | 0.70   | 1.2    | 0.4    | 4.0    | 0.6    | 133.1  | 0.52   | 0.36   | 0.44   | 12     | 1.90   |
| 11TB1015A | Soil |         | 0.60   | 14.27  | 3.16   | 27.0   | 186    | 8.0    | 5.4    | 965    | 1.10   | 1.5    | 0.9    | 4.1    | 0.4    | 135.9  | 0.25   | 0.45   | 0.25   | 22     | 1.85   |
| 11TB1018A | Soil |         | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB1017A | Soil |         | 0.69   | 10.51  | 5.96   | 35.3   | 117    | 8.2    | 3.9    | 129    | 1.62   | 2.9    | 0.2    | 2.1    | 0.1    | 34.8   | 0.20   | 0.20   | 0.17   | 41     | 0.16   |
| 11TB1016A | Soil |         | 1.02   | 13.22  | 5.88   | 47.8   | 98     | 14.6   | 9.0    | 879    | 2.03   | 3.1    | 1.1    | 3.3    | 0.8    | 59.9   | 0.21   | 0.23   | 0.15   | 39     | 0.81   |
| 11TB1019A | Soil |         | 0.87   | 17.30  | 4.84   | 36.0   | 87     | 13.2   | 6.5    | 237    | 1.59   | 3.7    | 0.6    | 3.2    | 0.4    | 47.1   | 0.21   | 0.43   | 0.16   | 29     | 0.69   |
| 11TB1020A | Soil |         | 0.89   | 13.47  | 6.29   | 47.0   | 51     | 14.1   | 9.2    | 310    | 2.18   | 5.5    | 0.5    | 3.7    | 0.6    | 26.4   | 0.29   | 0.31   | 0.14   | 50     | 0.32   |
| 11TB1021A | Soil |         | 0.84   | 18.00  | 7.14   | 57.0   | 45     | 17.3   | 9.4    | 302    | 2.55   | 7.0    | 0.6    | 3.1    | 1.4    | 26.5   | 0.18   | 0.31   | 0.14   | 60     | 0.34   |



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Project: Mariposa  
Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

| Method<br>Analyte<br>Unit<br>MDL |      | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|----------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                  |      | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|                                  |      | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|                                  |      | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB1107A                        | Soil | 17.4   | 12.4   | 0.26   | 316.7  | 0.036  | <1     | 0.84   | 0.011  | 0.08   | 0.1    | 2.6    | 0.07   | 0.06   | 63     | <0.1   | 0.04   |
| 11CB1108A                        | Soil | 49.3   | 16.8   | 0.53   | 490.2  | 0.034  | 2      | 1.47   | 0.012  | 0.11   | 0.1    | 5.3    | 0.13   | 0.09   | 106    | 0.2    | 0.03   |
| 11CB1109A                        | Soil | 52.6   | 18.2   | 0.59   | 560.5  | 0.034  | <1     | 1.59   | 0.012  | 0.12   | 0.1    | 5.8    | 0.13   | 0.08   | 108    | 0.1    | 0.02   |
| 11CB1110A                        | Soil | 47.8   | 14.1   | 0.44   | 569.7  | 0.025  | 1      | 1.23   | 0.013  | 0.09   | <0.1   | 4.3    | 0.09   | 0.09   | 110    | <0.1   | <0.02  |
| 11CB1111A                        | Soil | 44.5   | 12.7   | 0.46   | 590.5  | 0.023  | 2      | 1.13   | 0.014  | 0.10   | <0.1   | 3.8    | 0.09   | 0.12   | 133    | <0.1   | <0.02  |
| 11CB1112A                        | Soil | 10.4   | 13.3   | 0.43   | 585.7  | 0.019  | 2      | 1.01   | 0.013  | 0.05   | <0.1   | 2.6    | 0.04   | 0.10   | 57     | 0.2    | <0.02  |
| 11CB1113A                        | Soil | 8.5    | 11.4   | 0.37   | 615.0  | 0.014  | 3      | 0.92   | 0.012  | 0.04   | <0.1   | 1.9    | 0.04   | 0.12   | 70     | 0.3    | <0.02  |
| 11TB0999A                        | Soil | 6.0    | 9.9    | 0.10   | 146.1  | 0.017  | <1     | 0.59   | 0.011  | 0.07   | <0.1   | 0.4    | 0.04   | 0.03   | 57     | <0.1   | 0.03   |
| 11TB1000A                        | Soil | 18.8   | 9.7    | 0.16   | 481.0  | 0.014  | 2      | 0.87   | 0.015  | 0.12   | <0.1   | 1.1    | 0.05   | 0.07   | 68     | 0.2    | 0.03   |
| 11TB1001A                        | Soil | 9.6    | 10.9   | 0.19   | 143.3  | 0.015  | <1     | 1.00   | 0.010  | 0.07   | <0.1   | 0.4    | 0.05   | 0.07   | 75     | 0.2    | 0.03   |
| 11TB1002A                        | Soil | 7.4    | 11.7   | 0.13   | 178.4  | 0.006  | <1     | 0.61   | 0.014  | 0.07   | <0.1   | 0.2    | 0.04   | 0.04   | 46     | 0.2    | 0.03   |
| 11TB1003A                        | Soil | 6.3    | 10.4   | 0.10   | 141.8  | 0.004  | <1     | 0.60   | 0.011  | 0.06   | <0.1   | 0.1    | 0.03   | 0.06   | 74     | 0.1    | 0.02   |
| 11TB1004A                        | Soil | 13.4   | 13.6   | 0.16   | 332.0  | 0.017  | <1     | 0.89   | 0.012  | 0.05   | <0.1   | 0.8    | 0.03   | 0.05   | 68     | 0.2    | 0.04   |
| 11TB1005A                        | Soil | 13.8   | 5.9    | 0.11   | 291.2  | 0.006  | 2      | 0.47   | 0.018  | 0.05   | <0.1   | 0.7    | 0.03   | 0.10   | 99     | 0.2    | <0.02  |
| 11TB1006A                        | Soil | 26.6   | 2.8    | 0.14   | 314.8  | 0.006  | 5      | 0.32   | 0.021  | 0.04   | <0.1   | 1.7    | 0.03   | 0.12   | 87     | 0.2    | <0.02  |
| 11TB1007A                        | Soil | 41.8   | 24.3   | 0.32   | 368.9  | 0.026  | <1     | 2.15   | 0.010  | 0.07   | 0.1    | 4.6    | 0.09   | 0.07   | 117    | 0.2    | 0.03   |
| 11TB1008A                        | Soil | 37.1   | 10.1   | 0.15   | 456.9  | 0.009  | <1     | 0.76   | 0.014  | 0.06   | <0.1   | 0.9    | 0.02   | 0.04   | 73     | 0.1    | <0.02  |
| 11TB1009A                        | Soil | 3.1    | 11.3   | 0.38   | 473.9  | 0.030  | 2      | 0.98   | 0.011  | 0.13   | <0.1   | 1.2    | 0.06   | 0.07   | 71     | 0.1    | <0.02  |
| 11TB1010A                        | Soil | 5.9    | 11.1   | 0.08   | 244.5  | 0.004  | <1     | 0.68   | 0.014  | 0.03   | <0.1   | 0.2    | 0.02   | 0.03   | 49     | 0.2    | <0.02  |
| 11TB1011A                        | Soil | 4.9    | 11.5   | 0.11   | 307.2  | 0.025  | <1     | 0.75   | 0.014  | 0.03   | <0.1   | 1.0    | 0.03   | 0.03   | 47     | 0.2    | <0.02  |
| 11TB1012A                        | Soil | 17.6   | 9.1    | 0.07   | 646.9  | 0.006  | <1     | 0.63   | 0.012  | 0.04   | <0.1   | 0.5    | 0.02   | 0.05   | 77     | 0.1    | <0.02  |
| 11TB1013A                        | Soil | 4.4    | 14.5   | 0.21   | 126.7  | 0.029  | 1      | 1.06   | 0.009  | 0.03   | 0.1    | 1.0    | 0.05   | <0.02  | 31     | 0.2    | 0.06   |
| 11TB1014A                        | Soil | 5.1    | 5.6    | 0.21   | 648.4  | 0.010  | 5      | 0.66   | 0.016  | 0.03   | <0.1   | 1.0    | 0.09   | 0.18   | 98     | 0.5    | 0.03   |
| 11TB1015A                        | Soil | 11.3   | 9.7    | 0.32   | 550.9  | 0.021  | 3      | 0.96   | 0.018  | 0.03   | <0.1   | 1.7    | 0.06   | 0.14   | 92     | 0.3    | <0.02  |
| 11TB1018A                        | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB1017A                        | Soil | 5.5    | 15.2   | 0.20   | 216.9  | 0.032  | <1     | 1.10   | 0.013  | 0.04   | 0.1    | 0.9    | 0.07   | 0.03   | 43     | 0.2    | 0.02   |
| 11TB1016A                        | Soil | 15.0   | 23.5   | 0.44   | 340.8  | 0.030  | 2      | 1.40   | 0.015  | 0.05   | 0.1    | 2.4    | 0.06   | 0.06   | 73     | 0.2    | 0.04   |
| 11TB1019A                        | Soil | 8.6    | 17.5   | 0.30   | 226.2  | 0.027  | 2      | 1.00   | 0.014  | 0.04   | 0.1    | 1.9    | 0.05   | 0.08   | 87     | 0.3    | <0.02  |
| 11TB1020A                        | Soil | 7.2    | 24.2   | 0.43   | 164.7  | 0.042  | 1      | 1.34   | 0.012  | 0.06   | 0.2    | 2.1    | 0.06   | 0.04   | 45     | 0.4    | 0.02   |
| 11TB1021A                        | Soil | 9.9    | 28.5   | 0.58   | 182.1  | 0.056  | 1      | 1.63   | 0.013  | 0.06   | 0.1    | 3.1    | 0.07   | 0.02   | 30     | 0.3    | 0.03   |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           |      | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |       |
|-----------|------|----------------------------------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|-------|
|           |      |                                  | Mo    | Cu    | Pb    | Zn   | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th    | Sr   | Cd   | Sb   | Bi   | V    | Ca    | P     |
|           |      |                                  | ppm   | ppm   | ppm   | ppm  | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | %     | %     |
|           |      |                                  | 0.01  | 0.01  | 0.01  | 0.1  | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1   | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01  | 0.001 |
| 11TB1022A | Soil | 0.74                             | 20.39 | 6.45  | 59.4  | 91   | 18.9 | 9.8  | 457  | 2.21 | 6.1  | 0.8  | 5.0  | 1.5  | 45.4  | 0.19 | 0.45 | 0.14 | 49   | 0.73 | 0.080 |       |
| 11TB1023A | Soil | 0.72                             | 13.94 | 4.47  | 21.5  | 399  | 5.4  | 2.4  | 76   | 0.75 | 1.4  | 0.4  | 2.3  | 0.1  | 20.8  | 0.31 | 0.15 | 0.17 | 21   | 0.32 | 0.047 |       |
| 11TB1024A | Soil | 0.31                             | 23.11 | 2.53  | 30.8  | 266  | 6.0  | 3.3  | 628  | 0.55 | 1.3  | 1.1  | 9.1  | 0.5  | 69.3  | 0.33 | 0.25 | 0.17 | 9    | 2.88 | 0.088 |       |
| 11TB1025A | Soil | 0.97                             | 32.96 | 3.99  | 40.8  | 215  | 17.2 | 8.3  | 646  | 1.57 | 1.5  | 0.9  | 4.0  | 0.6  | 78.9  | 0.31 | 0.28 | 0.11 | 33   | 2.21 | 0.077 |       |
| 11TB1026A | Soil | 1.33                             | 47.79 | 36.76 | 139.2 | 297  | 17.6 | 10.2 | 673  | 1.99 | 2.9  | 0.9  | 12.0 | 1.6  | 50.1  | 1.00 | 0.25 | 0.23 | 42   | 1.25 | 0.066 |       |
| 11TB1027A | Soil | 1.01                             | 18.02 | 8.81  | 55.7  | 147  | 11.9 | 6.3  | 278  | 1.65 | 2.4  | 0.6  | 2.8  | 1.1  | 20.0  | 0.28 | 0.17 | 0.16 | 37   | 0.34 | 0.048 |       |
| 11TB1028A | Soil | 1.40                             | 19.66 | 8.05  | 46.7  | 184  | 12.5 | 7.9  | 416  | 1.66 | 2.0  | 0.7  | 4.4  | 0.6  | 29.5  | 0.23 | 0.21 | 0.11 | 37   | 0.56 | 0.082 |       |
| 11TB1029A | Soil | 1.26                             | 25.46 | 4.15  | 95.5  | 237  | 7.3  | 3.4  | 504  | 0.80 | 0.9  | 0.2  | 0.8  | 0.2  | 25.3  | 1.67 | 0.21 | 0.10 | 25   | 0.32 | 0.083 |       |
| 11TB1030A | Soil | 0.91                             | 19.97 | 6.58  | 46.4  | 397  | 8.9  | 5.2  | 155  | 2.00 | 2.1  | 0.3  | 2.3  | 0.2  | 14.0  | 0.31 | 0.16 | 0.10 | 54   | 0.18 | 0.055 |       |
| 11TB1031A | Soil | 0.59                             | 22.32 | 3.76  | 19.2  | 226  | 8.4  | 5.0  | 292  | 1.03 | 1.1  | 0.8  | 1.2  | 0.3  | 57.3  | 0.31 | 0.31 | 0.09 | 9    | 1.29 | 0.097 |       |
| 11TB1032A | Soil | 0.87                             | 23.14 | 7.51  | 35.4  | 404  | 7.4  | 4.1  | 131  | 1.41 | 1.7  | 0.8  | 1.5  | 0.2  | 30.0  | 0.31 | 0.17 | 0.07 | 20   | 0.49 | 0.109 |       |
| 11TB1033A | Soil | 0.78                             | 21.14 | 5.04  | 23.4  | 194  | 7.3  | 2.5  | 95   | 0.73 | 1.0  | 0.4  | 0.9  | 0.1  | 25.6  | 0.45 | 0.14 | 0.08 | 13   | 0.42 | 0.085 |       |
| 11TB1034A | Soil | 1.42                             | 18.85 | 12.10 | 89.9  | 303  | 12.0 | 15.5 | 539  | 3.03 | 5.1  | 0.7  | 1.6  | 1.8  | 27.5  | 0.23 | 0.19 | 0.11 | 75   | 0.43 | 0.068 |       |
| 11TB1035A | Soil | 1.24                             | 15.67 | 9.59  | 67.8  | 279  | 8.7  | 14.3 | 478  | 2.66 | 4.3  | 0.6  | 1.3  | 1.3  | 22.4  | 0.18 | 0.16 | 0.09 | 66   | 0.34 | 0.060 |       |
| 11TB1036A | Soil | 1.16                             | 33.91 | 8.06  | 110.9 | 151  | 11.9 | 13.5 | 589  | 3.52 | 4.4  | 0.8  | 1.7  | 2.4  | 35.7  | 0.91 | 0.19 | 0.08 | 72   | 0.92 | 0.074 |       |
| 11TB1037A | Soil | 1.18                             | 30.87 | 9.16  | 145.0 | 698  | 12.2 | 11.4 | 2204 | 2.43 | 2.6  | 0.5  | 1.2  | 1.0  | 28.7  | 2.76 | 0.23 | 0.10 | 59   | 0.74 | 0.068 |       |
| 11TB1038A | Soil | 1.26                             | 17.39 | 5.81  | 47.1  | 620  | 13.8 | 13.4 | 1786 | 1.21 | 1.9  | 0.4  | 1.5  | 0.3  | 30.9  | 0.77 | 0.21 | 0.10 | 33   | 0.48 | 0.079 |       |
| 11TB1039A | Soil | 1.09                             | 22.27 | 8.39  | 140.6 | 1358 | 14.7 | 15.4 | 5777 | 2.63 | 3.9  | 0.4  | 0.4  | 2.0  | 26.3  | 1.28 | 0.26 | 0.13 | 52   | 0.40 | 0.075 |       |
| 11TB1040A | Soil | 1.30                             | 19.79 | 12.34 | 116.1 | 1035 | 10.5 | 11.8 | 1844 | 2.67 | 1.7  | 0.3  | 0.6  | 1.3  | 40.6  | 0.62 | 0.13 | 0.09 | 59   | 0.93 | 0.084 |       |
| 11TB1041A | Soil | 1.33                             | 18.16 | 10.57 | 83.2  | 505  | 9.7  | 10.1 | 1907 | 2.12 | 1.4  | 0.3  | 0.8  | 0.8  | 23.8  | 0.86 | 0.13 | 0.08 | 47   | 0.45 | 0.055 |       |
| 11TB1042A | Soil | 1.10                             | 29.08 | 5.89  | 54.4  | 1700 | 13.0 | 9.2  | 820  | 1.25 | 1.4  | 0.9  | 0.7  | 0.2  | 48.1  | 2.05 | 0.20 | 0.09 | 22   | 0.90 | 0.097 |       |
| 11TB1043A | Soil | 0.96                             | 33.09 | 9.31  | 54.7  | 870  | 12.0 | 6.9  | 365  | 1.60 | 1.7  | 0.8  | 0.6  | 0.6  | 25.1  | 0.93 | 0.21 | 0.12 | 31   | 0.36 | 0.097 |       |
| 11TB1044A | Soil | 0.80                             | 27.01 | 8.91  | 244.2 | 1012 | 14.6 | 15.6 | 4293 | 1.62 | 2.0  | 1.0  | 0.5  | 1.0  | 92.2  | 2.37 | 0.17 | 0.29 | 20   | 2.31 | 0.311 |       |
| 11TB1045A | Soil | 1.02                             | 26.69 | 8.22  | 332.0 | 1325 | 13.9 | 12.0 | 6720 | 1.12 | 2.1  | 0.7  | 2.0  | 0.4  | 137.2 | 2.73 | 0.19 | 0.09 | 11   | 5.13 | 0.311 |       |
| 11TB1046A | Soil | 1.90                             | 40.20 | 36.99 | 141.6 | 2662 | 15.6 | 7.8  | 598  | 1.79 | 3.4  | 0.9  | 1.4  | 0.4  | 40.4  | 4.71 | 0.25 | 0.16 | 31   | 0.63 | 0.143 |       |
| 11TB1047A | Soil | 1.51                             | 46.39 | 25.50 | 287.9 | 4559 | 20.7 | 20.4 | 3476 | 2.72 | 3.9  | 2.0  | 1.4  | 1.8  | 102.0 | 7.04 | 0.27 | 0.25 | 30   | 1.33 | 0.451 |       |
| 11TB1048A | Soil | 1.07                             | 32.32 | 20.38 | 75.6  | 2760 | 8.7  | 4.8  | 637  | 1.46 | 2.5  | 0.8  | 1.3  | 1.5  | 43.6  | 1.67 | 0.17 | 0.30 | 28   | 0.65 | 0.166 |       |
| 11TB1049A | Soil | 0.74                             | 12.12 | 8.26  | 39.0  | 342  | 6.5  | 2.9  | 472  | 1.38 | 2.2  | 0.2  | 2.8  | 1.1  | 19.6  | 0.21 | 0.14 | 0.14 | 37   | 0.34 | 0.077 |       |
| 11DS1011A | Soil | 2.13                             | 36.14 | 6.93  | 44.5  | 565  | 13.1 | 7.8  | 996  | 1.52 | 2.8  | 1.4  | 8.9  | 0.4  | 75.0  | 0.85 | 0.59 | 0.73 | 25   | 2.25 | 0.085 |       |
| 11DS1012A | Soil | 1.10                             | 20.34 | 4.75  | 36.3  | 450  | 12.7 | 8.2  | 2693 | 0.97 | 1.4  | 0.2  | 2.8  | 0.1  | 66.6  | 1.41 | 0.26 | 0.22 | 22   | 0.82 | 0.086 |       |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

**Page:** 8 of 13 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11TB1022A | Soil                             | 10.6 | 26.2 | 0.54 | 232.0 | 0.056 | 2    | 1.41 | 0.020 | 0.06 | 0.2  | 3.2  | 0.07 | 0.05  | 51   | 0.3  | <0.02 |
| 11TB1023A | Soil                             | 4.6  | 12.0 | 0.12 | 176.4 | 0.025 | <1   | 0.48 | 0.013 | 0.06 | <0.1 | 0.9  | 0.05 | 0.06  | 41   | 0.2  | <0.02 |
| 11TB1024A | Soil                             | 12.5 | 5.9  | 0.14 | 368.0 | 0.013 | 5    | 0.56 | 0.016 | 0.07 | <0.1 | 1.6  | 0.05 | 0.18  | 77   | 0.9  | <0.02 |
| 11TB1025A | Soil                             | 8.1  | 24.9 | 0.45 | 326.5 | 0.035 | 2    | 1.36 | 0.016 | 0.04 | 0.1  | 3.0  | 0.07 | 0.15  | 59   | 0.5  | 0.03  |
| 11TB1026A | Soil                             | 10.1 | 30.8 | 0.59 | 249.1 | 0.050 | 1    | 1.41 | 0.019 | 0.06 | 0.1  | 3.7  | 0.08 | 0.07  | 67   | 0.4  | 0.04  |
| 11TB1027A | Soil                             | 7.9  | 28.2 | 0.41 | 139.8 | 0.047 | <1   | 1.33 | 0.013 | 0.06 | 0.1  | 2.7  | 0.09 | 0.04  | 44   | 0.2  | 0.03  |
| 11TB1028A | Soil                             | 8.8  | 23.6 | 0.42 | 258.2 | 0.047 | 1    | 1.22 | 0.014 | 0.06 | 0.1  | 2.6  | 0.06 | 0.07  | 60   | 0.2  | 0.03  |
| 11TB1029A | Soil                             | 3.7  | 9.7  | 0.09 | 337.7 | 0.032 | <1   | 0.38 | 0.020 | 0.07 | <0.1 | 1.0  | 0.05 | 0.03  | 33   | 0.2  | <0.02 |
| 11TB1030A | Soil                             | 4.6  | 17.4 | 0.39 | 111.7 | 0.066 | <1   | 1.22 | 0.014 | 0.07 | <0.1 | 1.4  | 0.07 | 0.04  | 62   | 0.2  | <0.02 |
| 11TB1031A | Soil                             | 12.5 | 9.0  | 0.16 | 432.0 | 0.019 | 1    | 0.76 | 0.016 | 0.03 | <0.1 | 1.7  | 0.05 | 0.13  | 100  | 0.4  | <0.02 |
| 11TB1032A | Soil                             | 12.0 | 11.3 | 0.21 | 328.7 | 0.021 | 2    | 0.86 | 0.014 | 0.06 | <0.1 | 1.5  | 0.06 | 0.10  | 124  | 0.3  | <0.02 |
| 11TB1033A | Soil                             | 7.1  | 9.0  | 0.11 | 247.8 | 0.017 | 1    | 0.45 | 0.015 | 0.06 | <0.1 | 1.0  | 0.05 | 0.09  | 117  | 0.2  | <0.02 |
| 11TB1034A | Soil                             | 13.0 | 25.7 | 0.87 | 253.9 | 0.112 | 1    | 2.05 | 0.010 | 0.19 | 0.2  | 4.8  | 0.21 | 0.04  | 50   | 0.3  | 0.04  |
| 11TB1035A | Soil                             | 10.0 | 18.8 | 0.66 | 191.4 | 0.083 | <1   | 1.60 | 0.011 | 0.11 | 0.2  | 3.8  | 0.14 | 0.05  | 43   | 0.2  | 0.05  |
| 11TB1036A | Soil                             | 14.0 | 19.8 | 1.06 | 308.5 | 0.154 | <1   | 2.04 | 0.012 | 0.38 | 0.1  | 4.7  | 0.20 | 0.04  | 46   | 0.3  | <0.02 |
| 11TB1037A | Soil                             | 7.1  | 19.3 | 0.64 | 373.9 | 0.103 | <1   | 1.40 | 0.016 | 0.22 | 0.1  | 2.8  | 0.10 | 0.05  | 68   | 0.2  | 0.02  |
| 11TB1038A | Soil                             | 6.1  | 11.5 | 0.26 | 490.9 | 0.045 | <1   | 0.74 | 0.014 | 0.12 | 0.1  | 1.5  | 0.07 | 0.06  | 95   | 0.2  | <0.02 |
| 11TB1039A | Soil                             | 6.5  | 20.7 | 0.46 | 582.9 | 0.085 | <1   | 1.35 | 0.014 | 0.19 | <0.1 | 2.8  | 0.12 | <0.02 | 25   | 0.2  | 0.03  |
| 11TB1040A | Soil                             | 5.0  | 19.2 | 0.82 | 419.9 | 0.186 | 1    | 1.55 | 0.009 | 0.65 | 0.1  | 2.2  | 0.24 | <0.02 | 21   | 0.1  | 0.04  |
| 11TB1041A | Soil                             | 4.4  | 16.0 | 0.61 | 409.9 | 0.133 | <1   | 1.30 | 0.012 | 0.31 | 0.2  | 1.7  | 0.17 | 0.03  | 63   | 0.2  | <0.02 |
| 11TB1042A | Soil                             | 14.8 | 11.0 | 0.21 | 649.7 | 0.031 | <1   | 0.78 | 0.017 | 0.10 | <0.1 | 1.4  | 0.06 | 0.05  | 124  | 0.3  | 0.02  |
| 11TB1043A | Soil                             | 8.2  | 14.7 | 0.20 | 275.1 | 0.056 | <1   | 0.98 | 0.014 | 0.11 | <0.1 | 2.3  | 0.08 | 0.02  | 50   | 0.2  | 0.03  |
| 11TB1044A | Soil                             | 21.5 | 11.0 | 0.24 | 1088  | 0.036 | 2    | 1.05 | 0.014 | 0.15 | <0.1 | 3.0  | 0.04 | 0.06  | 81   | 0.4  | 0.02  |
| 11TB1045A | Soil                             | 16.9 | 9.5  | 0.22 | 933.7 | 0.023 | 5    | 0.86 | 0.016 | 0.18 | <0.1 | 2.3  | 0.08 | 0.08  | 105  | 0.3  | <0.02 |
| 11TB1046A | Soil                             | 14.7 | 15.8 | 0.21 | 375.1 | 0.032 | <1   | 1.20 | 0.015 | 0.09 | <0.1 | 2.4  | 0.05 | 0.04  | 76   | 0.2  | 0.03  |
| 11TB1047A | Soil                             | 30.0 | 19.5 | 0.25 | 1135  | 0.042 | 2    | 2.09 | 0.019 | 0.22 | <0.1 | 5.9  | 0.12 | 0.05  | 41   | 0.5  | 0.10  |
| 11TB1048A | Soil                             | 10.3 | 14.4 | 0.16 | 334.7 | 0.032 | <1   | 1.05 | 0.019 | 0.13 | <0.1 | 2.4  | 0.07 | <0.02 | <5   | 0.3  | 0.08  |
| 11TB1049A | Soil                             | 7.1  | 14.2 | 0.13 | 330.8 | 0.020 | <1   | 0.90 | 0.016 | 0.14 | <0.1 | 1.3  | 0.06 | <0.02 | <5   | 0.2  | <0.02 |
| 11DS1011A | Soil                             | 19.7 | 11.8 | 0.29 | 1067  | 0.018 | 4    | 1.21 | 0.013 | 0.07 | <0.1 | 1.7  | 0.11 | 0.06  | 87   | 0.4  | 0.07  |
| 11DS1012A | Soil                             | 3.1  | 10.1 | 0.18 | 644.3 | 0.022 | 3    | 0.42 | 0.015 | 0.10 | <0.1 | 1.0  | 0.05 | 0.07  | 128  | 0.2  | 0.02  |





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Project: Mariposa  
Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method | Analyte | Unit | MDL | 1F15 | 1F15  | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 |      |      |       |       |
|-----------|--------|---------|------|-----|------|-------|------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|-------|
|           |        |         |      |     | Mo   | Cu    | Pb   | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   | P     |       |
|           |        |         |      |     | ppm  | ppm   | ppm  | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    | %     |       |
|           |        |         |      |     | 0.01 | 0.01  | 0.01 | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.1  | 0.2  | 0.1   | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01  | 0.001 |
| 11DS1013A | Soil   |         |      |     | 0.97 | 19.51 | 6.14 | 32.6  | 90   | 10.6 | 4.2  | 680  | 1.23 | 1.2  | 0.2  | 1.0  | <0.1 | 35.7  | 1.05 | 0.32 | 0.22 | 30   | 0.30 | 0.080 |       |
| 11DS1014A | Soil   |         |      |     | 0.95 | 17.25 | 5.16 | 23.4  | 65   | 8.8  | 3.3  | 126  | 0.97 | 1.3  | 0.2  | 1.7  | <0.1 | 26.0  | 0.96 | 0.28 | 0.22 | 22   | 0.15 | 0.102 |       |
| 11DS1015A | Soil   |         |      |     | 0.81 | 15.64 | 4.04 | 16.4  | 307  | 6.7  | 2.1  | 58   | 0.82 | 1.5  | 0.2  | 2.3  | <0.1 | 29.5  | 0.57 | 0.17 | 0.15 | 17   | 0.10 | 0.100 |       |
| 11DS1016A | Soil   |         |      |     | 0.96 | 17.10 | 3.99 | 16.6  | 171  | 7.3  | 2.1  | 62   | 0.86 | 1.4  | 0.5  | 1.8  | <0.1 | 29.3  | 0.38 | 0.20 | 0.15 | 15   | 0.16 | 0.092 |       |
| 11DS1017A | Soil   |         |      |     | 0.72 | 27.57 | 7.56 | 12.7  | 109  | 6.5  | 1.8  | 52   | 0.99 | 0.8  | 0.8  | 1.8  | <0.1 | 34.9  | 0.39 | 0.14 | 0.17 | 14   | 0.17 | 0.087 |       |
| 11DS1018A | Soil   |         |      |     | 0.76 | 16.09 | 4.67 | 21.4  | 154  | 8.2  | 2.5  | 121  | 0.92 | 1.2  | 0.6  | 2.3  | <0.1 | 57.6  | 0.36 | 0.21 | 0.11 | 15   | 0.50 | 0.081 |       |
| 11DS1019A | Soil   |         |      |     | 0.57 | 11.75 | 5.47 | 38.8  | 201  | 7.0  | 5.5  | 261  | 1.59 | 1.5  | 1.0  | 3.3  | <0.1 | 74.5  | 0.31 | 0.31 | 0.13 | 27   | 1.60 | 0.100 |       |
| 11DS1020A | Soil   |         |      |     | 0.49 | 11.74 | 2.09 | 12.9  | 61   | 5.9  | 2.5  | 375  | 0.54 | 0.5  | 0.3  | 2.0  | 0.2  | 113.5 | 0.12 | 0.37 | 0.10 | 8    | 2.76 | 0.098 |       |
| 11DS1021A | Soil   |         |      |     | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |       |
| 11DS1022A | Soil   |         |      |     | 0.99 | 19.40 | 3.22 | 26.7  | 138  | 11.1 | 3.8  | 738  | 0.84 | 0.4  | 0.8  | 2.9  | 0.2  | 96.4  | 0.46 | 0.50 | 0.13 | 13   | 1.93 | 0.121 |       |
| 11DS1023A | Soil   |         |      |     | 0.62 | 20.87 | 3.30 | 28.8  | 160  | 14.7 | 21.0 | 967  | 1.08 | 1.6  | 1.0  | 2.2  | <0.1 | 100.2 | 0.44 | 0.62 | 0.08 | 18   | 1.61 | 0.103 |       |
| 11DS1024A | Soil   |         |      |     | 0.90 | 25.52 | 3.65 | 42.1  | 105  | 15.8 | 4.3  | 127  | 1.21 | 3.4  | 0.5  | 3.7  | 0.6  | 55.4  | 1.10 | 0.46 | 0.43 | 24   | 1.09 | 0.070 |       |
| 11DS1025A | Soil   |         |      |     | 0.69 | 37.61 | 3.75 | 57.1  | 78   | 19.2 | 4.5  | 323  | 1.03 | 3.3  | 2.0  | 3.3  | 0.5  | 98.4  | 0.72 | 0.62 | 0.16 | 21   | 2.49 | 0.093 |       |
| 11DS1026A | Soil   |         |      |     | 1.17 | 25.92 | 1.58 | 24.3  | 134  | 10.0 | 3.4  | 1104 | 0.51 | 0.7  | 0.3  | 5.7  | 0.2  | 95.3  | 0.50 | 0.34 | 0.07 | 9    | 2.28 | 0.093 |       |
| 11DS1027A | Soil   |         |      |     | 2.04 | 34.92 | 5.31 | 37.2  | 348  | 18.0 | 23.8 | 2446 | 2.08 | 2.8  | 0.8  | 11.3 | 0.5  | 78.9  | 0.46 | 0.37 | 0.10 | 45   | 1.62 | 0.105 |       |
| 11DS1028A | Soil   |         |      |     | 1.40 | 25.59 | 2.38 | 22.0  | 238  | 8.8  | 6.0  | 545  | 0.88 | 0.9  | 0.6  | 5.0  | <0.1 | 75.3  | 0.24 | 0.34 | 0.09 | 12   | 1.46 | 0.100 |       |
| 11DS1029A | Soil   |         |      |     | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |       |
| 11DS1030A | Soil   |         |      |     | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |       |
| 11DS1031A | Soil   |         |      |     | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |       |
| 11DS1032A | Soil   |         |      |     | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |       |
| 11DS1033A | Soil   |         |      |     | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |       |
| 11DS1034A | Soil   |         |      |     | 1.63 | 34.24 | 5.36 | 35.2  | 1125 | 14.6 | 8.1  | 689  | 1.15 | 1.3  | 1.8  | 2.5  | <0.1 | 40.2  | 0.48 | 0.21 | 0.06 | 15   | 0.57 | 0.177 |       |
| 11DS1035A | Soil   |         |      |     | 1.92 | 39.66 | 7.54 | 39.3  | 978  | 14.6 | 5.1  | 238  | 1.44 | 1.6  | 1.0  | 0.9  | <0.1 | 19.5  | 0.93 | 0.21 | 0.09 | 27   | 0.14 | 0.087 |       |
| 11DS1036A | Soil   |         |      |     | 2.06 | 33.43 | 5.39 | 58.0  | 978  | 16.7 | 7.2  | 1368 | 1.55 | 1.6  | 0.8  | 0.8  | <0.1 | 38.0  | 0.70 | 0.15 | 0.09 | 24   | 0.55 | 0.120 |       |
| 11DS1037A | Soil   |         |      |     | 1.75 | 53.90 | 6.76 | 43.9  | 1892 | 20.1 | 16.1 | 1970 | 1.19 | 1.4  | 1.0  | 0.8  | <0.1 | 51.1  | 0.94 | 0.19 | 0.08 | 21   | 0.83 | 0.137 |       |
| 11DS1038A | Soil   |         |      |     | 2.39 | 13.57 | 5.17 | 44.0  | 717  | 8.8  | 6.4  | 934  | 1.80 | 2.6  | 0.7  | 2.1  | 0.7  | 30.7  | 0.28 | 0.21 | 0.09 | 38   | 1.32 | 0.066 |       |
| 11DS1039A | Soil   |         |      |     | 1.40 | 26.84 | 5.73 | 77.8  | 1197 | 24.0 | 8.1  | 5499 | 1.10 | 1.4  | 0.5  | 0.8  | 0.2  | 59.8  | 1.23 | 0.20 | 0.10 | 23   | 1.10 | 0.107 |       |
| 11DS1040A | Soil   |         |      |     | 2.59 | 16.30 | 6.82 | 210.1 | 634  | 12.4 | 8.6  | 7262 | 1.05 | 1.2  | 0.3  | 1.2  | 0.2  | 49.1  | 1.46 | 0.23 | 0.10 | 21   | 1.11 | 0.117 |       |
| 11DS1041A | Soil   |         |      |     | 2.47 | 18.23 | 6.11 | 228.5 | 964  | 12.7 | 10.4 | 6897 | 1.01 | 1.1  | 0.3  | 1.0  | <0.1 | 52.6  | 1.66 | 0.19 | 0.09 | 19   | 1.17 | 0.118 |       |
| 11DS1042A | Soil   |         |      |     | 2.05 | 24.31 | 8.71 | 73.4  | 2675 | 17.8 | 16.5 | 6465 | 1.61 | 1.7  | 0.4  | 1.7  | 0.2  | 25.8  | 1.11 | 0.18 | 0.11 | 34   | 0.34 | 0.085 |       |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11DS1013A | Soil                             | 4.7  | 11.2 | 0.13 | 424.7 | 0.017 | 1    | 0.56 | 0.014 | 0.05 | <0.1 | 0.5  | 0.05 | 0.03 | 62   | <0.1 | <0.02 |
| 11DS1014A | Soil                             | 3.8  | 11.1 | 0.10 | 291.1 | 0.002 | 1    | 0.55 | 0.015 | 0.05 | <0.1 | 0.2  | 0.05 | 0.04 | 78   | 0.2  | <0.02 |
| 11DS1015A | Soil                             | 2.8  | 9.7  | 0.09 | 201.5 | 0.003 | 2    | 0.56 | 0.010 | 0.06 | <0.1 | 0.2  | 0.03 | 0.07 | 116  | 0.2  | 0.03  |
| 11DS1016A | Soil                             | 5.6  | 11.0 | 0.08 | 159.1 | 0.004 | 2    | 0.66 | 0.011 | 0.05 | <0.1 | 0.2  | 0.04 | 0.07 | 99   | 0.3  | <0.02 |
| 11DS1017A | Soil                             | 8.0  | 11.6 | 0.07 | 169.9 | 0.008 | 1    | 0.67 | 0.013 | 0.05 | <0.1 | 0.5  | 0.03 | 0.05 | 88   | 0.2  | 0.03  |
| 11DS1018A | Soil                             | 10.3 | 11.2 | 0.12 | 210.7 | 0.006 | 2    | 0.82 | 0.014 | 0.04 | <0.1 | 0.3  | 0.03 | 0.08 | 82   | 0.1  | 0.02  |
| 11DS1019A | Soil                             | 13.3 | 10.1 | 0.17 | 621.1 | 0.015 | 3    | 1.07 | 0.011 | 0.06 | <0.1 | 1.8  | 0.06 | 0.13 | 75   | 0.3  | 0.05  |
| 11DS1020A | Soil                             | 4.0  | 4.7  | 0.15 | 827.8 | 0.010 | 5    | 0.50 | 0.013 | 0.02 | <0.1 | 0.9  | 0.04 | 0.18 | 77   | 0.3  | <0.02 |
| 11DS1021A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1022A | Soil                             | 16.5 | 8.4  | 0.17 | 624.2 | 0.014 | 4    | 0.57 | 0.014 | 0.03 | <0.1 | 1.3  | 0.06 | 0.16 | 85   | 0.3  | <0.02 |
| 11DS1023A | Soil                             | 15.3 | 9.7  | 0.19 | 566.3 | 0.013 | 4    | 0.81 | 0.011 | 0.04 | <0.1 | 1.0  | 0.07 | 0.14 | 106  | 0.4  | 0.02  |
| 11DS1024A | Soil                             | 8.6  | 14.8 | 0.29 | 270.2 | 0.031 | 3    | 0.72 | 0.017 | 0.06 | 0.1  | 1.7  | 0.06 | 0.11 | 102  | 0.5  | <0.02 |
| 11DS1025A | Soil                             | 5.5  | 11.2 | 0.39 | 311.5 | 0.020 | 13   | 0.58 | 0.018 | 0.06 | <0.1 | 1.0  | 0.08 | 0.17 | 84   | 0.5  | 0.03  |
| 11DS1026A | Soil                             | 5.7  | 6.0  | 0.29 | 888.4 | 0.009 | 4    | 0.40 | 0.014 | 0.02 | <0.1 | 0.9  | 0.07 | 0.19 | 104  | 0.3  | <0.02 |
| 11DS1027A | Soil                             | 10.4 | 27.6 | 0.54 | 707.5 | 0.029 | 3    | 0.99 | 0.016 | 0.04 | <0.1 | 3.8  | 0.11 | 0.14 | 83   | 0.3  | 0.03  |
| 11DS1028A | Soil                             | 9.2  | 11.5 | 0.29 | 578.8 | 0.015 | 3    | 0.47 | 0.015 | 0.03 | <0.1 | 1.4  | 0.06 | 0.15 | 105  | 0.3  | <0.02 |
| 11DS1029A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1030A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1031A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1032A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1033A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1034A | Soil                             | 23.2 | 7.7  | 0.20 | 398.5 | 0.012 | 1    | 0.68 | 0.012 | 0.10 | <0.1 | 0.8  | 0.07 | 0.15 | 148  | 0.2  | <0.02 |
| 11DS1035A | Soil                             | 12.0 | 13.2 | 0.19 | 330.0 | 0.008 | <1   | 0.72 | 0.016 | 0.10 | <0.1 | 0.4  | 0.07 | 0.04 | 102  | 0.2  | 0.02  |
| 11DS1036A | Soil                             | 12.1 | 14.9 | 0.32 | 471.7 | 0.020 | 1    | 0.86 | 0.013 | 0.17 | <0.1 | 0.8  | 0.08 | 0.08 | 128  | 0.2  | <0.02 |
| 11DS1037A | Soil                             | 16.8 | 11.8 | 0.25 | 632.8 | 0.018 | 2    | 0.71 | 0.019 | 0.10 | <0.1 | 1.1  | 0.05 | 0.08 | 102  | 0.2  | <0.02 |
| 11DS1038A | Soil                             | 8.8  | 15.6 | 0.38 | 166.2 | 0.063 | 3    | 1.05 | 0.015 | 0.14 | 0.1  | 2.8  | 0.12 | 0.08 | 60   | 0.2  | 0.03  |
| 11DS1039A | Soil                             | 10.9 | 12.1 | 0.26 | 770.7 | 0.032 | 2    | 0.70 | 0.018 | 0.13 | <0.1 | 1.7  | 0.08 | 0.08 | 140  | 0.2  | <0.02 |
| 11DS1040A | Soil                             | 6.5  | 11.1 | 0.27 | 825.4 | 0.032 | 3    | 0.57 | 0.017 | 0.13 | <0.1 | 1.3  | 0.11 | 0.09 | 152  | 0.2  | <0.02 |
| 11DS1041A | Soil                             | 6.5  | 10.4 | 0.30 | 814.2 | 0.026 | 2    | 0.55 | 0.016 | 0.15 | <0.1 | 1.0  | 0.10 | 0.11 | 151  | 0.2  | <0.02 |
| 11DS1042A | Soil                             | 11.5 | 15.2 | 0.29 | 609.5 | 0.028 | <1   | 0.76 | 0.014 | 0.14 | <0.1 | 1.6  | 0.07 | 0.05 | 74   | 0.2  | <0.02 |



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Project: Mariposa  
Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11DS1043A | Soil                             | 2.65        | 21.51       | 5.24        | 36.7       | 4964     | 11.3       | 3.4        | 361      | 0.66      | 1.0        | 0.3        | <0.2       | <0.1       | 27.0       | 1.70        | 0.18        | 0.11        | 13       | 0.29      |
| 11DS1044A | Soil                             | 2.52        | 22.05       | 9.10        | 93.2       | 4329     | 9.5        | 14.7       | 9891     | 1.27      | 1.7        | 0.5        | 1.7        | <0.1       | 33.8       | 1.69        | 0.23        | 0.10        | 26       | 0.52      |
| 11DS1045A | Soil                             | 1.36        | 26.82       | 4.47        | 22.7       | 2625     | 8.6        | 3.0        | 146      | 0.85      | 1.1        | 0.8        | 5.6        | <0.1       | 49.8       | 0.71        | 0.24        | 0.07        | 10       | 1.08      |
| 11DS1046A | Soil                             | 1.95        | 22.58       | 4.95        | 64.3       | 2923     | 9.8        | 2.7        | 198      | 0.64      | 1.0        | 0.2        | 0.2        | <0.1       | 20.3       | 5.23        | 0.15        | 0.10        | 14       | 0.18      |
| 11DS1047A | Soil                             | 2.44        | 36.42       | 13.06       | 31.7       | 2210     | 11.5       | 4.3        | 93       | 0.71      | 0.7        | 0.8        | 0.9        | <0.1       | 27.2       | 2.22        | 0.17        | 0.08        | 12       | 0.48      |
| 11DS1048A | Soil                             | 1.97        | 38.60       | 26.48       | 47.0       | 6856     | 10.2       | 5.3        | 231      | 1.05      | 1.9        | 1.0        | 0.8        | <0.1       | 23.2       | 1.72        | 0.20        | 0.08        | 21       | 0.31      |
| 11DS1049A | Soil                             | 1.04        | 39.22       | 79.77       | 141.7      | 1771     | 13.5       | 20.4       | 2368     | 3.19      | 2.2        | 1.9        | 10.1       | 1.6        | 38.7       | 3.22        | 0.28        | 0.06        | 78       | 1.36      |
| 11DS1050A | Soil                             | 1.20        | 24.33       | 71.91       | 149.4      | 1203     | 10.1       | 8.2        | 2474     | 1.47      | 1.3        | 0.6        | 52.1       | 0.3        | 53.9       | 5.21        | 0.31        | 0.06        | 31       | 2.17      |
| 11DS1051A | Soil                             | 1.43        | 38.32       | 41.49       | 36.8       | 1778     | 10.9       | 4.7        | 164      | 1.18      | 2.2        | 1.5        | 1.2        | 0.2        | 31.0       | 1.35        | 0.21        | 0.07        | 16       | 0.61      |
| 11DS1052A | Soil                             | 1.99        | 46.04       | 11.25       | 37.0       | 1270     | 14.6       | 4.9        | 130      | 0.86      | 1.1        | 0.9        | <0.2       | <0.1       | 30.8       | 1.80        | 0.16        | 0.08        | 14       | 0.41      |
| 11DS1053A | Soil                             | 1.10        | 19.47       | 12.86       | 40.6       | 1309     | 6.9        | 22.9       | 1672     | 1.00      | 1.5        | 1.3        | 0.7        | <0.1       | 62.0       | 0.77        | 0.47        | 0.07        | 13       | 1.43      |
| 11DS1054A | Soil                             | 0.73        | 24.78       | 7.28        | 43.2       | 668      | 10.1       | 8.9        | 514      | 1.18      | 1.7        | 1.0        | 0.4        | 0.1        | 60.0       | 0.76        | 0.26        | 0.08        | 21       | 1.55      |
| 11DS1055A | Soil                             | 0.77        | 15.30       | 6.14        | 51.6       | 144      | 7.6        | 6.4        | 698      | 1.24      | 2.7        | 0.7        | 0.8        | 0.5        | 79.4       | 0.39        | 0.26        | 0.07        | 27       | 2.43      |
| 11DS1056A | Soil                             | 0.71        | 21.47       | 2.97        | 27.9       | 113      | 7.2        | 3.4        | 451      | 0.80      | 1.7        | 0.5        | 1.3        | 0.3        | 84.2       | 0.36        | 0.31        | 0.05        | 16       | 2.30      |
| 11DS1057A | Soil                             | 0.63        | 17.77       | 1.89        | 6.0        | 88       | 4.0        | 1.5        | 166      | 0.28      | 0.9        | 0.2        | <0.2       | 0.1        | 120.8      | 0.13        | 0.25        | 0.03        | 13       | 3.19      |
| 11DS1058A | Soil                             | 0.74        | 19.65       | 4.39        | 27.6       | 170      | 10.4       | 7.6        | 227      | 1.62      | 2.6        | 0.5        | 1.4        | 0.3        | 138.8      | 0.26        | 0.38        | 0.08        | 35       | 1.53      |
| 11DS1059A | Soil                             | 0.83        | 15.31       | 6.98        | 52.6       | 295      | 13.0       | 10.8       | 1651     | 1.95      | 3.5        | 0.3        | <0.2       | 0.4        | 33.2       | 0.67        | 0.22        | 0.14        | 47       | 0.31      |
| 11DS1060A | Soil                             | 0.69        | 22.69       | 5.85        | 47.8       | 82       | 13.2       | 5.0        | 195      | 1.65      | 3.4        | 0.6        | 0.8        | 0.2        | 59.0       | 0.62        | 0.32        | 0.11        | 36       | 1.03      |
| 11AN0403A | Soil                             | 1.00        | 14.71       | 4.62        | 24.4       | 158      | 6.7        | 2.4        | 116      | 1.04      | 1.6        | 0.3        | 0.4        | <0.1       | 10.8       | 0.23        | 0.25        | 0.12        | 31       | 0.10      |
| 11AN0404A | Soil                             | 0.84        | 12.46       | 6.12        | 21.9       | 320      | 6.3        | 1.9        | 116      | 1.02      | 1.9        | 0.3        | 0.5        | <0.1       | 8.6        | 0.16        | 0.16        | 0.22        | 35       | 0.08      |
| 11AN0405A | Soil                             | 1.86        | 14.76       | 6.38        | 34.4       | 325      | 6.8        | 2.2        | 121      | 0.99      | 1.4        | 0.2        | <0.2       | <0.1       | 12.3       | 0.48        | 0.23        | 0.11        | 26       | 0.09      |
| 11AN0406A | Soil                             | 0.94        | 9.48        | 4.26        | 18.4       | 186      | 5.5        | 2.0        | 154      | 1.00      | 0.6        | 0.2        | <0.2       | 0.1        | 11.3       | 0.21        | 0.20        | 0.14        | 30       | 0.12      |
| 11AN0407A | Soil                             | 0.70        | 10.60       | 5.09        | 38.3       | 306      | 5.1        | 2.6        | 225      | 1.42      | 1.9        | 0.3        | 1.1        | 0.4        | 9.8        | 0.14        | 0.17        | 0.16        | 38       | 0.13      |
| 11AN0408A | Soil                             | 0.87        | 8.23        | 4.86        | 30.8       | 238      | 6.0        | 3.3        | 364      | 1.38      | 1.9        | 0.3        | <0.2       | 0.1        | 9.5        | 0.19        | 0.28        | 0.15        | 42       | 0.10      |
| 11AN0409A | Soil                             | 0.93        | 10.44       | 4.52        | 31.9       | 216      | 7.2        | 2.4        | 86       | 1.02      | 2.2        | 0.2        | <0.2       | <0.1       | 14.6       | 0.41        | 0.24        | 0.11        | 25       | 0.08      |
| 11AN0410A | Soil                             | 1.46        | 21.59       | 6.99        | 45.6       | 346      | 10.1       | 4.0        | 173      | 1.85      | 2.4        | 0.8        | 1.0        | 0.4        | 14.2       | 0.45        | 0.20        | 0.18        | 48       | 0.14      |
| 11AN0411A | Soil                             | 1.00        | 49.28       | 11.17       | 48.1       | 897      | 17.9       | 5.1        | 163      | 1.52      | 2.6        | 2.0        | 7.0        | <0.1       | 50.3       | 1.10        | 0.17        | 0.13        | 27       | 0.80      |
| 11AN0412A | Soil                             | 1.23        | 10.72       | 4.13        | 32.1       | 584      | 5.5        | 1.9        | 66       | 0.71      | 0.5        | 0.3        | 0.3        | <0.1       | 15.3       | 0.69        | 0.13        | 0.07        | 22       | 0.14      |
| 11AN0413A | Soil                             | 0.62        | 24.12       | 10.53       | 47.8       | 397      | 13.3       | 5.6        | 126      | 1.59      | 2.4        | 0.8        | <0.2       | 0.2        | 31.0       | 0.83        | 0.18        | 0.14        | 39       | 0.31      |
| 11AN0414A | Soil                             | 0.44        | 10.63       | 4.94        | 19.4       | 407      | 4.6        | 2.6        | 84       | 0.82      | 1.1        | 0.5        | 0.8        | <0.1       | 23.0       | 0.32        | 0.10        | 0.08        | 19       | 0.18      |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15   | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|--------|------|------|-------|------|------|------|-------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti     | B    | Al   | Na    | K    | W    | Sc   | Ti    | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %      | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001  | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  |
| 11DS1043A | Soil                             | 6.8  | 8.7  | 0.08 | 326.4 | 0.004  | <1   | 0.43 | 0.017 | 0.08 | <0.1 | 0.3  | 0.05  | 0.07  | 137  | 0.1  | 0.03  |
| 11DS1044A | Soil                             | 11.6 | 11.5 | 0.20 | 687.5 | 0.033  | 2    | 0.57 | 0.022 | 0.16 | <0.1 | 1.3  | 0.12  | 0.06  | 123  | 0.2  | 0.04  |
| 11DS1045A | Soil                             | 17.7 | 7.6  | 0.14 | 299.3 | 0.015  | 2    | 0.51 | 0.015 | 0.05 | <0.1 | 0.9  | 0.04  | 0.13  | 128  | 0.2  | <0.02 |
| 11DS1046A | Soil                             | 2.7  | 8.2  | 0.08 | 289.1 | <0.001 | <1   | 0.40 | 0.018 | 0.08 | <0.1 | 0.2  | 0.03  | 0.06  | 96   | 0.2  | <0.02 |
| 11DS1047A | Soil                             | 15.2 | 7.6  | 0.08 | 351.3 | 0.005  | 3    | 0.43 | 0.015 | 0.07 | <0.1 | 0.5  | 0.02  | 0.07  | 113  | 0.6  | <0.02 |
| 11DS1048A | Soil                             | 18.0 | 11.1 | 0.15 | 382.6 | 0.010  | <1   | 0.56 | 0.014 | 0.10 | 0.1  | 0.5  | 0.05  | 0.07  | 136  | 0.6  | 0.02  |
| 11DS1049A | Soil                             | 36.2 | 29.8 | 0.87 | 406.9 | 0.106  | <1   | 1.87 | 0.014 | 0.24 | 0.1  | 10.7 | 0.13  | 0.07  | 111  | 1.3  | <0.02 |
| 11DS1050A | Soil                             | 18.7 | 16.6 | 0.43 | 417.8 | 0.037  | 4    | 0.88 | 0.015 | 0.11 | <0.1 | 2.7  | 0.07  | 0.12  | 145  | 0.7  | <0.02 |
| 11DS1051A | Soil                             | 29.7 | 10.1 | 0.16 | 288.2 | 0.021  | <1   | 0.63 | 0.015 | 0.06 | <0.1 | 2.9  | 0.04  | 0.08  | 121  | 0.3  | 0.06  |
| 11DS1052A | Soil                             | 15.5 | 7.5  | 0.09 | 255.0 | 0.005  | <1   | 0.46 | 0.020 | 0.06 | <0.1 | 0.5  | <0.02 | 0.06  | 99   | 0.3  | <0.02 |
| 11DS1053A | Soil                             | 33.6 | 7.6  | 0.20 | 396.0 | 0.014  | 2    | 0.62 | 0.012 | 0.08 | <0.1 | 1.7  | 0.06  | 0.13  | 167  | 0.6  | 0.02  |
| 11DS1054A | Soil                             | 27.7 | 10.7 | 0.23 | 567.5 | 0.012  | 1    | 0.90 | 0.013 | 0.04 | <0.1 | 1.5  | 0.04  | 0.10  | 96   | 0.5  | <0.02 |
| 11DS1055A | Soil                             | 11.9 | 13.2 | 0.30 | 625.4 | 0.022  | 5    | 0.87 | 0.014 | 0.04 | <0.1 | 2.7  | 0.04  | 0.12  | 92   | 0.7  | <0.02 |
| 11DS1056A | Soil                             | 13.0 | 8.7  | 0.21 | 525.0 | 0.020  | 6    | 0.70 | 0.014 | 0.04 | <0.1 | 2.3  | 0.03  | 0.15  | 100  | 0.9  | 0.02  |
| 11DS1057A | Soil                             | 1.7  | 5.3  | 0.17 | 328.4 | 0.009  | 8    | 0.22 | 0.016 | 0.03 | <0.1 | 0.7  | 0.02  | 0.19  | 86   | 0.7  | 0.04  |
| 11DS1058A | Soil                             | 7.5  | 12.8 | 0.30 | 373.6 | 0.037  | 2    | 1.19 | 0.015 | 0.09 | <0.1 | 2.5  | 0.05  | 0.11  | 92   | 0.7  | <0.02 |
| 11DS1059A | Soil                             | 6.8  | 18.9 | 0.30 | 377.7 | 0.043  | <1   | 1.32 | 0.009 | 0.07 | <0.1 | 1.9  | 0.05  | 0.02  | 64   | 0.2  | 0.02  |
| 11DS1060A | Soil                             | 8.1  | 17.4 | 0.32 | 247.9 | 0.037  | 2    | 1.09 | 0.013 | 0.10 | 0.1  | 2.0  | 0.05  | 0.06  | 33   | 0.4  | <0.02 |
| 11AN0403A | Soil                             | 8.6  | 12.3 | 0.06 | 180.4 | 0.017  | 1    | 0.42 | 0.011 | 0.05 | <0.1 | 0.7  | 0.03  | 0.02  | 32   | 0.2  | <0.02 |
| 11AN0404A | Soil                             | 7.8  | 15.3 | 0.11 | 104.5 | 0.036  | <1   | 0.86 | 0.009 | 0.05 | <0.1 | 1.1  | 0.10  | <0.02 | 28   | 0.1  | <0.02 |
| 11AN0405A | Soil                             | 5.3  | 10.1 | 0.06 | 190.7 | 0.007  | <1   | 0.36 | 0.015 | 0.07 | <0.1 | 0.2  | 0.04  | 0.03  | 41   | 0.2  | <0.02 |
| 11AN0406A | Soil                             | 6.7  | 10.5 | 0.06 | 172.0 | 0.028  | <1   | 0.36 | 0.011 | 0.08 | <0.1 | 0.9  | 0.05  | <0.02 | 20   | 0.1  | <0.02 |
| 11AN0407A | Soil                             | 7.2  | 14.2 | 0.12 | 121.4 | 0.043  | 1    | 0.62 | 0.010 | 0.08 | <0.1 | 1.5  | 0.08  | 0.02  | 30   | 0.1  | <0.02 |
| 11AN0408A | Soil                             | 6.6  | 10.6 | 0.08 | 141.5 | 0.039  | <1   | 0.45 | 0.010 | 0.07 | <0.1 | 0.8  | 0.06  | <0.02 | 33   | 0.3  | 0.02  |
| 11AN0409A | Soil                             | 6.4  | 9.8  | 0.07 | 241.7 | 0.010  | 2    | 0.46 | 0.018 | 0.07 | <0.1 | 0.4  | 0.05  | 0.03  | 53   | 0.3  | <0.02 |
| 11AN0410A | Soil                             | 20.8 | 20.4 | 0.23 | 240.9 | 0.042  | <1   | 1.15 | 0.011 | 0.09 | 0.1  | 3.1  | 0.08  | 0.02  | 38   | 0.3  | 0.03  |
| 11AN0411A | Soil                             | 32.0 | 16.7 | 0.32 | 341.0 | 0.018  | 2    | 1.13 | 0.013 | 0.11 | 0.1  | 1.2  | 0.07  | 0.05  | 85   | 0.7  | <0.02 |
| 11AN0412A | Soil                             | 5.1  | 11.3 | 0.11 | 117.4 | 0.023  | 1    | 0.51 | 0.014 | 0.08 | <0.1 | 1.0  | 0.04  | 0.02  | 41   | 0.1  | <0.02 |
| 11AN0413A | Soil                             | 10.5 | 18.8 | 0.30 | 393.0 | 0.043  | 2    | 1.41 | 0.011 | 0.09 | <0.1 | 2.5  | 0.06  | 0.03  | 54   | 0.5  | <0.02 |
| 11AN0414A | Soil                             | 7.7  | 8.6  | 0.14 | 218.0 | 0.026  | <1   | 0.67 | 0.013 | 0.06 | <0.1 | 1.0  | 0.03  | <0.02 | 38   | 0.1  | <0.02 |



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Project: Mariposa  
Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb    | Zn   | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm   | ppm  | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1  | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11AN0415A | Soil                             | 0.62 | 18.18 | 6.29  | 47.3 | 209  | 11.0 | 15.5 | 883  | 1.89 | 2.2  | 0.9  | 0.6  | 0.4  | 57.5  | 0.50 | 0.20 | 0.11 | 42   | 1.13 |
| 11AN0416A | Soil                             | 0.66 | 16.97 | 5.78  | 30.3 | 149  | 9.3  | 3.3  | 101  | 1.00 | 1.7  | 0.6  | <0.2 | <0.1 | 37.2  | 0.40 | 0.14 | 0.12 | 26   | 0.43 |
| 11AN0417A | Soil                             | 0.68 | 22.21 | 8.42  | 63.2 | 315  | 15.1 | 7.6  | 223  | 2.56 | 3.7  | 1.0  | <0.2 | 0.7  | 36.2  | 0.41 | 0.19 | 0.17 | 58   | 0.36 |
| 11AN0418A | Soil                             | 0.74 | 25.63 | 9.38  | 32.8 | 197  | 9.8  | 3.3  | 103  | 1.21 | 2.0  | 1.2  | <0.2 | <0.1 | 40.8  | 0.59 | 0.17 | 0.13 | 22   | 0.36 |
| 11AN0419A | Soil                             | 0.71 | 17.17 | 6.41  | 41.3 | 192  | 9.2  | 4.7  | 104  | 1.30 | 3.0  | 1.1  | <0.2 | <0.1 | 40.8  | 0.56 | 0.22 | 0.12 | 30   | 0.31 |
| 11AN0420A | Soil                             | 0.95 | 16.92 | 4.37  | 26.8 | 164  | 10.0 | 3.3  | 87   | 0.80 | 1.6  | 0.9  | <0.2 | <0.1 | 48.0  | 0.44 | 0.16 | 0.08 | 15   | 0.35 |
| 11AN0421A | Soil                             | 0.87 | 14.14 | 3.45  | 22.5 | 121  | 8.8  | 3.0  | 75   | 0.72 | 1.0  | 0.8  | <0.2 | <0.1 | 43.7  | 0.41 | 0.15 | 0.07 | 13   | 0.34 |
| 11AN0422A | Soil                             | 0.54 | 15.12 | 8.66  | 26.9 | 188  | 6.4  | 2.5  | 58   | 1.23 | 2.0  | 0.4  | 0.7  | <0.1 | 21.8  | 0.40 | 0.17 | 0.17 | 33   | 0.14 |
| 11AN0423A | Soil                             | 0.99 | 15.65 | 7.30  | 77.6 | 234  | 12.3 | 18.0 | 1107 | 2.80 | 4.5  | 0.7  | 1.2  | 1.5  | 42.6  | 0.41 | 0.21 | 0.14 | 63   | 0.60 |
| 11AN0424A | Soil                             | 0.76 | 15.83 | 6.44  | 69.8 | 66   | 15.5 | 6.9  | 201  | 1.97 | 6.4  | 0.4  | 1.1  | 1.2  | 33.5  | 0.74 | 0.38 | 0.12 | 48   | 0.59 |
| 11AN0425A | Soil                             | 4.65 | 14.71 | 7.84  | 48.3 | 99   | 14.3 | 8.1  | 445  | 2.45 | 3.8  | 3.9  | 2.7  | 3.5  | 43.2  | 0.31 | 0.27 | 0.20 | 52   | 0.34 |
| 11AN0426A | Soil                             | 1.41 | 34.81 | 7.65  | 35.5 | 348  | 24.3 | 4.9  | 205  | 1.58 | 2.1  | 1.5  | 1.4  | 0.2  | 47.3  | 0.57 | 0.25 | 0.21 | 22   | 0.42 |
| 11AN0427A | Soil                             | 1.01 | 10.31 | 5.27  | 18.3 | 449  | 6.0  | 1.7  | 125  | 0.72 | 1.6  | 0.3  | 0.8  | <0.1 | 16.4  | 0.40 | 0.18 | 0.30 | 21   | 0.17 |
| 11AN0428A | Soil                             | 0.66 | 8.76  | 5.73  | 17.2 | 110  | 4.4  | 2.3  | 77   | 0.73 | 0.8  | 0.2  | 1.3  | 0.1  | 13.6  | 0.40 | 0.13 | 0.17 | 22   | 0.10 |
| 11AN0429A | Soil                             | 1.10 | 17.90 | 6.40  | 23.1 | 602  | 10.2 | 6.0  | 191  | 1.03 | 1.8  | 0.4  | 0.2  | 0.1  | 23.0  | 0.44 | 0.22 | 0.22 | 26   | 0.15 |
| 11AN0430A | Soil                             | 0.96 | 17.69 | 7.92  | 41.2 | 441  | 12.0 | 9.1  | 2399 | 1.92 | 2.6  | 0.3  | 0.8  | 0.2  | 36.8  | 0.42 | 0.25 | 0.19 | 42   | 0.35 |
| 11AN0431A | Soil                             | 1.02 | 15.48 | 7.86  | 42.2 | 351  | 11.0 | 8.6  | 2360 | 2.18 | 3.4  | 0.3  | 0.7  | 0.6  | 20.5  | 0.37 | 0.33 | 0.17 | 50   | 0.20 |
| 11AN0432A | Soil                             | 1.04 | 17.07 | 7.22  | 42.2 | 311  | 13.7 | 12.2 | 3201 | 1.82 | 2.9  | 0.3  | 1.7  | 0.1  | 48.6  | 0.64 | 0.31 | 0.17 | 42   | 0.42 |
| 11AN0433A | Soil                             | 0.76 | 11.38 | 5.06  | 14.1 | 213  | 5.3  | 1.6  | 48   | 0.65 | 1.3  | 0.2  | 0.7  | <0.1 | 9.8   | 0.45 | 0.13 | 0.16 | 17   | 0.06 |
| 11AN0434A | Soil                             | 0.83 | 15.01 | 8.52  | 21.4 | 129  | 4.9  | 2.1  | 85   | 1.29 | 2.2  | 0.4  | 1.6  | <0.1 | 12.5  | 0.18 | 0.18 | 0.23 | 44   | 0.11 |
| 11AN0435A | Soil                             | 0.96 | 17.91 | 7.16  | 23.5 | 408  | 8.5  | 2.6  | 78   | 1.10 | 2.2  | 0.7  | 2.5  | <0.1 | 16.0  | 0.24 | 0.19 | 0.14 | 16   | 0.13 |
| 11AN0436A | Soil                             | 0.95 | 14.40 | 7.79  | 46.9 | 100  | 11.2 | 4.8  | 198  | 2.17 | 5.1  | 0.4  | 1.0  | 0.2  | 12.6  | 0.15 | 0.28 | 0.21 | 52   | 0.14 |
| 11AN0437A | Soil                             | 1.19 | 37.59 | 4.96  | 28.0 | 461  | 8.0  | 3.3  | 127  | 1.42 | 1.5  | 1.4  | 1.0  | 0.2  | 67.2  | 0.29 | 0.16 | 0.15 | 20   | 1.22 |
| 11AN0438A | Soil                             | 0.99 | 14.83 | 5.89  | 18.7 | 509  | 7.1  | 2.2  | 36   | 0.97 | 1.6  | 0.5  | 0.4  | 0.1  | 16.4  | 0.16 | 0.18 | 0.15 | 21   | 0.11 |
| 11AN0439A | Soil                             | 0.96 | 24.01 | 12.17 | 20.6 | 223  | 7.5  | 2.4  | 47   | 1.62 | 2.5  | 0.9  | 1.9  | 0.5  | 18.8  | 0.12 | 0.22 | 0.20 | 30   | 0.13 |
| 11AN0440A | Soil                             | 0.79 | 13.92 | 7.11  | 18.1 | 214  | 7.1  | 2.2  | 87   | 0.97 | 2.1  | 0.5  | 0.9  | 0.1  | 24.6  | 0.33 | 0.15 | 0.17 | 23   | 0.27 |
| 11AN0441A | Soil                             | 0.79 | 14.08 | 7.13  | 21.9 | 165  | 7.3  | 2.4  | 101  | 1.32 | 2.6  | 0.6  | 1.3  | 0.2  | 22.5  | 0.25 | 0.17 | 0.14 | 30   | 0.23 |
| 11AN0442A | Soil                             | 0.56 | 7.46  | 1.52  | 20.2 | 145  | 3.3  | 0.9  | 68   | 0.27 | 0.5  | 0.4  | 0.5  | 0.6  | 117.3 | 0.28 | 0.17 | 0.04 | 3    | 2.41 |
| 11AN0443A | Soil                             | 2.51 | 16.16 | 3.66  | 15.1 | 355  | 7.5  | 17.6 | 2112 | 1.14 | 0.8  | 2.3  | 1.3  | 1.1  | 93.0  | 0.19 | 0.42 | 0.06 | 13   | 2.04 |
| 11AN0444A | Soil                             | 1.40 | 18.06 | 6.37  | 24.9 | 193  | 8.7  | 3.5  | 86   | 0.97 | 1.4  | 1.1  | 0.7  | 0.7  | 33.9  | 0.35 | 0.17 | 0.12 | 18   | 0.40 |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|------|------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|
|           |                                  | La    | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0415A | Soil                             | 11.4  | 15.7 | 0.38 | 366.0 | 0.050 | 1    | 1.32 | 0.015 | 0.07 | 0.1  | 2.8  | 0.05  | 0.03  | 62   | 0.4  | <0.02 |
| 11AN0416A | Soil                             | 8.8   | 14.5 | 0.21 | 230.1 | 0.029 | 1    | 0.92 | 0.015 | 0.06 | <0.1 | 1.0  | 0.06  | 0.03  | 51   | 0.2  | 0.03  |
| 11AN0417A | Soil                             | 14.7  | 23.2 | 0.50 | 335.3 | 0.068 | 2    | 2.19 | 0.012 | 0.10 | <0.1 | 3.1  | 0.06  | 0.03  | 51   | 0.4  | 0.04  |
| 11AN0418A | Soil                             | 14.2  | 15.6 | 0.14 | 305.1 | 0.010 | <1   | 0.97 | 0.016 | 0.06 | <0.1 | 0.5  | 0.05  | 0.04  | 84   | 0.6  | <0.02 |
| 11AN0419A | Soil                             | 23.0  | 12.3 | 0.17 | 319.5 | 0.030 | <1   | 0.94 | 0.013 | 0.08 | <0.1 | 1.2  | 0.04  | 0.03  | 72   | 0.5  | <0.02 |
| 11AN0420A | Soil                             | 17.6  | 9.8  | 0.10 | 331.9 | 0.006 | <1   | 0.60 | 0.015 | 0.06 | <0.1 | 0.3  | 0.03  | 0.07  | 96   | 0.7  | <0.02 |
| 11AN0421A | Soil                             | 16.2  | 8.7  | 0.08 | 290.6 | 0.007 | 1    | 0.59 | 0.015 | 0.05 | <0.1 | 0.4  | 0.03  | 0.07  | 117  | 0.4  | 0.03  |
| 11AN0422A | Soil                             | 7.0   | 15.9 | 0.14 | 119.2 | 0.024 | <1   | 1.02 | 0.009 | 0.07 | <0.1 | 0.5  | 0.07  | 0.03  | 29   | 0.2  | <0.02 |
| 11AN0423A | Soil                             | 14.1  | 23.9 | 0.66 | 285.6 | 0.084 | 2    | 1.72 | 0.014 | 0.11 | 0.1  | 4.6  | 0.10  | 0.05  | 62   | 0.6  | 0.04  |
| 11AN0424A | Soil                             | 10.1  | 24.8 | 0.43 | 153.2 | 0.066 | 2    | 1.18 | 0.024 | 0.10 | 0.2  | 2.7  | 0.06  | 0.03  | 38   | 0.3  | <0.02 |
| 11AN0425A | Soil                             | 18.5  | 25.8 | 0.41 | 742.5 | 0.036 | 2    | 1.48 | 0.009 | 0.07 | 0.1  | 3.0  | 0.08  | 0.03  | 74   | 0.2  | 0.03  |
| 11AN0426A | Soil                             | 42.6  | 15.8 | 0.17 | 1592  | 0.005 | 1    | 1.22 | 0.010 | 0.09 | <0.1 | 0.8  | 0.04  | 0.06  | 94   | 0.1  | <0.02 |
| 11AN0427A | Soil                             | 6.5   | 11.3 | 0.08 | 192.2 | 0.005 | 1    | 0.67 | 0.010 | 0.06 | <0.1 | 0.2  | 0.07  | 0.05  | 88   | 0.2  | 0.02  |
| 11AN0428A | Soil                             | 10.1  | 8.2  | 0.06 | 173.9 | 0.017 | <1   | 0.48 | 0.008 | 0.04 | <0.1 | 0.4  | 0.06  | <0.02 | 16   | <0.1 | <0.02 |
| 11AN0429A | Soil                             | 8.2   | 12.3 | 0.11 | 725.2 | 0.011 | 1    | 0.72 | 0.014 | 0.07 | <0.1 | 0.5  | 0.06  | 0.04  | 96   | 0.3  | <0.02 |
| 11AN0430A | Soil                             | 9.2   | 16.1 | 0.20 | 596.5 | 0.017 | <1   | 1.07 | 0.008 | 0.07 | <0.1 | 0.6  | 0.08  | 0.03  | 71   | 0.2  | 0.02  |
| 11AN0431A | Soil                             | 7.4   | 15.3 | 0.23 | 438.2 | 0.052 | <1   | 0.95 | 0.009 | 0.08 | <0.1 | 1.3  | 0.12  | 0.02  | 49   | 0.1  | 0.04  |
| 11AN0432A | Soil                             | 7.3   | 15.5 | 0.23 | 798.0 | 0.029 | 1    | 0.85 | 0.014 | 0.09 | <0.1 | 0.7  | 0.10  | 0.05  | 83   | 0.3  | 0.03  |
| 11AN0433A | Soil                             | 4.2   | 10.9 | 0.06 | 122.5 | 0.004 | <1   | 0.65 | 0.009 | 0.03 | <0.1 | 0.2  | 0.05  | 0.03  | 41   | 0.2  | <0.02 |
| 11AN0434A | Soil                             | 6.2   | 13.0 | 0.16 | 108.3 | 0.029 | <1   | 0.89 | 0.008 | 0.05 | <0.1 | 0.4  | 0.07  | 0.03  | 40   | 0.2  | 0.02  |
| 11AN0435A | Soil                             | 9.3   | 12.5 | 0.12 | 169.6 | 0.003 | <1   | 0.85 | 0.011 | 0.05 | <0.1 | 0.3  | 0.06  | 0.07  | 110  | 0.3  | <0.02 |
| 11AN0436A | Soil                             | 8.3   | 21.6 | 0.32 | 152.5 | 0.048 | 1    | 1.44 | 0.007 | 0.09 | <0.1 | 1.4  | 0.11  | 0.03  | 57   | 0.3  | 0.03  |
| 11AN0437A | Soil                             | 16.7  | 13.8 | 0.24 | 388.3 | 0.013 | <1   | 0.92 | 0.011 | 0.06 | <0.1 | 0.8  | 0.05  | 0.09  | 98   | 0.5  | 0.04  |
| 11AN0438A | Soil                             | 7.9   | 13.4 | 0.06 | 199.0 | 0.005 | 1    | 0.79 | 0.010 | 0.04 | <0.1 | 0.3  | 0.06  | 0.06  | 82   | 0.3  | 0.04  |
| 11AN0439A | Soil                             | 11.8  | 22.9 | 0.13 | 232.5 | 0.014 | 1    | 1.36 | 0.006 | 0.04 | <0.1 | 0.6  | 0.09  | 0.03  | 60   | 0.5  | <0.02 |
| 11AN0440A | Soil                             | 19.5  | 14.3 | 0.10 | 296.9 | 0.007 | 1    | 0.78 | 0.010 | 0.05 | <0.1 | 0.3  | 0.05  | 0.04  | 52   | 0.2  | <0.02 |
| 11AN0441A | Soil                             | 20.5  | 16.3 | 0.15 | 271.2 | 0.013 | <1   | 0.98 | 0.010 | 0.05 | <0.1 | 0.5  | 0.06  | 0.03  | 46   | 0.2  | 0.02  |
| 11AN0442A | Soil                             | 25.0  | 3.9  | 0.17 | 677.7 | 0.008 | 4    | 0.24 | 0.013 | 0.03 | <0.1 | 1.1  | <0.02 | 0.14  | 118  | 0.3  | <0.02 |
| 11AN0443A | Soil                             | 153.4 | 7.3  | 0.14 | 773.5 | 0.012 | 3    | 0.80 | 0.014 | 0.03 | <0.1 | 1.9  | 0.08  | 0.18  | 130  | 0.4  | <0.02 |
| 11AN0444A | Soil                             | 34.3  | 18.9 | 0.13 | 347.2 | 0.017 | 2    | 0.62 | 0.012 | 0.04 | <0.1 | 1.1  | 0.05  | 0.09  | 88   | 0.3  | <0.02 |



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**Project:** Mariposa  
**Report Date:** October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd    | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm   | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01  | 0.02 | 0.02 | 2    | 0.01 |
| 11AN0445A | Soil                             | 1.63 | 23.66 | 12.19 | 39.7  | 639  | 37.3 | 11.6 | 319  | 2.28 | 2.4  | 2.3  | 0.6  | 5.2  | 79.7  | 0.18  | 0.28 | 0.18 | 44   | 0.99 |
| 11AN0446A | Soil                             | 0.75 | 12.99 | 4.55  | 17.0  | 950  | 7.3  | 2.2  | 38   | 0.91 | 1.0  | 1.4  | 0.5  | 0.6  | 70.5  | 0.14  | 0.22 | 0.08 | 10   | 0.77 |
| 11AN0447A | Soil                             | 1.10 | 19.31 | 6.38  | 25.5  | 220  | 8.5  | 2.8  | 51   | 1.10 | 1.7  | 1.2  | 0.9  | 0.3  | 27.1  | 0.21  | 0.24 | 0.12 | 25   | 0.20 |
| 11AN0448A | Soil                             | 1.22 | 20.23 | 7.79  | 38.9  | 445  | 14.5 | 33.1 | 766  | 2.11 | 4.1  | 2.5  | 2.7  | 2.4  | 72.1  | 0.40  | 0.38 | 0.11 | 33   | 0.94 |
| 11AN0449A | Soil                             | 0.96 | 15.32 | 5.07  | 31.8  | 154  | 10.2 | 4.8  | 185  | 1.39 | 2.1  | 1.2  | 1.7  | 1.2  | 40.8  | 0.18  | 0.27 | 0.09 | 21   | 0.51 |
| 11CB0967A | Soil                             | 2.07 | 22.19 | 11.78 | 77.6  | 378  | 16.6 | 16.9 | 2305 | 2.29 | 3.8  | 1.1  | 2.7  | 1.3  | 57.8  | 0.59  | 0.36 | 0.13 | 58   | 1.73 |
| 11CB0968A | Soil                             | 2.16 | 21.90 | 10.60 | 73.3  | 329  | 13.5 | 13.6 | 2679 | 1.76 | 2.9  | 0.9  | 2.0  | 0.8  | 61.2  | 0.79  | 0.36 | 0.11 | 43   | 1.93 |
| 11CB0969A | Soil                             | 2.12 | 22.31 | 11.60 | 76.6  | 352  | 15.8 | 16.5 | 2420 | 2.24 | 3.6  | 1.0  | 2.7  | 1.3  | 54.6  | 0.62  | 0.33 | 0.13 | 57   | 1.68 |
| 11CB0970A | Soil                             | 1.88 | 20.29 | 10.04 | 76.3  | 345  | 14.3 | 14.2 | 2053 | 2.02 | 3.3  | 0.9  | 2.2  | 1.2  | 53.8  | 0.56  | 0.29 | 0.11 | 52   | 1.67 |
| 11CB0971A | Soil                             | 2.83 | 28.22 | 12.01 | 78.6  | 357  | 8.2  | 33.1 | 2773 | 1.84 | 7.4  | 1.1  | 2.2  | 0.2  | 63.1  | 1.28  | 0.39 | 0.18 | 30   | 1.44 |
| 11CB0972A | Soil                             | 1.40 | 319.1 | 458.5 | 1572  | 3373 | 16.3 | 10.1 | 1128 | 1.47 | 2.8  | 0.8  | 7.6  | 0.5  | 67.1  | 35.40 | 0.37 | 1.50 | 30   | 2.21 |
| 11CB0973A | Soil                             | 1.39 | 257.9 | 439.9 | 1585  | 3430 | 16.9 | 11.1 | 996  | 1.70 | 3.3  | 0.8  | 7.9  | 0.7  | 55.6  | 25.27 | 0.29 | 1.91 | 37   | 1.70 |
| 11CB0974A | Soil                             | 1.33 | 168.6 | 324.1 | 370.3 | 2697 | 11.0 | 4.4  | 143  | 1.03 | 1.0  | 1.2  | 4.4  | 0.2  | 39.9  | 7.70  | 0.23 | 0.42 | 16   | 0.63 |
| 11CB0975A | Soil                             | 1.06 | 112.5 | 116.7 | 397.5 | 1667 | 11.1 | 9.6  | 379  | 1.37 | 1.4  | 1.1  | 4.6  | 0.3  | 58.2  | 11.79 | 0.28 | 0.62 | 13   | 0.94 |
| 11CB0976A | Soil                             | 0.96 | 98.27 | 110.0 | 380.2 | 1063 | 10.9 | 7.0  | 250  | 1.18 | 0.8  | 0.9  | 4.7  | 0.3  | 52.6  | 9.76  | 0.30 | 0.35 | 12   | 0.87 |
| 11CB0977A | Soil                             | 0.96 | 20.82 | 6.99  | 60.5  | 353  | 7.4  | 2.5  | 89   | 0.85 | 1.2  | 0.7  | 1.9  | 0.2  | 29.9  | 1.13  | 0.18 | 0.11 | 17   | 0.41 |
| 11CB0978A | Soil                             | 0.87 | 27.13 | 8.40  | 72.9  | 236  | 11.4 | 6.8  | 206  | 1.78 | 1.8  | 0.8  | 4.7  | 0.7  | 32.4  | 0.85  | 0.33 | 0.21 | 27   | 0.47 |
| 11CB0979A | Soil                             | 0.94 | 64.11 | 11.30 | 140.2 | 1440 | 16.7 | 12.9 | 1012 | 1.57 | 1.7  | 4.5  | 8.1  | 1.0  | 105.6 | 5.10  | 0.57 | 0.22 | 19   | 1.43 |
| 11CB0980A | Soil                             | 2.97 | 37.68 | 18.77 | 258.2 | 1478 | 11.2 | 10.2 | 2904 | 2.79 | 9.0  | 1.1  | 3.0  | 3.5  | 62.0  | 1.35  | 0.54 | 0.34 | 50   | 1.41 |
| 11CB0981A | Soil                             | 3.20 | 37.51 | 22.04 | 146.8 | 1365 | 10.4 | 9.8  | 980  | 2.96 | 9.1  | 1.1  | 2.5  | 3.9  | 30.4  | 0.93  | 0.58 | 0.33 | 51   | 0.46 |
| 11CB0982A | Soil                             | 0.86 | 37.51 | 8.05  | 136.8 | 722  | 13.1 | 9.2  | 1928 | 2.11 | 2.8  | 0.6  | 1.4  | 1.0  | 34.7  | 2.86  | 0.25 | 0.15 | 43   | 0.54 |
| 11CB0983A | Soil                             | 1.28 | 36.41 | 12.72 | 177.0 | 2041 | 24.1 | 24.6 | 4091 | 2.35 | 2.8  | 0.8  | 0.7  | 1.1  | 37.7  | 3.01  | 0.26 | 0.14 | 45   | 0.57 |
| 11CB0984A | Soil                             | 0.91 | 21.02 | 6.85  | 274.8 | 606  | 14.4 | 11.1 | 3110 | 2.14 | 2.1  | 0.4  | 0.9  | 0.9  | 46.2  | 2.08  | 0.24 | 0.09 | 47   | 0.89 |
| 11CB0985A | Soil                             | 1.05 | 16.26 | 5.72  | 179.1 | 1214 | 13.9 | 17.3 | 7416 | 0.83 | 1.0  | 0.2  | 0.7  | <0.1 | 62.4  | 2.70  | 0.20 | 0.06 | 16   | 1.04 |
| 11CB0986A | Soil                             | 1.18 | 15.21 | 9.22  | 78.2  | 502  | 10.3 | 9.4  | 472  | 2.94 | 4.5  | 0.4  | 0.3  | 2.0  | 25.0  | 0.32  | 0.32 | 0.12 | 75   | 0.35 |
| 11CB0987A | Soil                             | 1.03 | 22.80 | 12.04 | 86.0  | 547  | 13.6 | 15.2 | 2057 | 2.23 | 3.3  | 0.6  | 0.5  | 2.2  | 44.0  | 0.59  | 0.27 | 0.13 | 52   | 0.72 |
| 11CB0988A | Soil                             | 0.85 | 19.62 | 12.60 | 191.8 | 904  | 8.7  | 5.9  | 3196 | 1.36 | 1.7  | 0.4  | 0.9  | 1.3  | 59.3  | 1.76  | 0.17 | 0.09 | 31   | 1.21 |
| 11CB0989A | Soil                             | 1.38 | 48.80 | 34.74 | 162.6 | 2350 | 18.0 | 9.3  | 1605 | 2.17 | 3.9  | 2.2  | 1.6  | 2.6  | 89.8  | 4.57  | 0.37 | 0.12 | 36   | 1.53 |
| 11CB0990A | Soil                             | 1.45 | 36.10 | 16.21 | 172.3 | 1441 | 15.9 | 10.5 | 2259 | 2.33 | 3.2  | 1.1  | 0.3  | 1.7  | 69.9  | 2.66  | 0.29 | 0.14 | 46   | 1.35 |
| 11CB0991A | Soil                             | 1.11 | 34.51 | 91.04 | 174.3 | 2390 | 25.3 | 15.1 | 820  | 2.91 | 4.9  | 1.3  | 0.7  | 2.9  | 66.3  | 3.74  | 0.27 | 0.13 | 63   | 0.88 |



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Project: Mariposa  
Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La    | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0445A | Soil                             | 124.3 | 58.5 | 0.75 | 703.4 | 0.079 | 2    | 1.50 | 0.017 | 0.09 | 0.2  | 4.2  | 0.16 | 0.13  | 101  | 0.3  | 0.02  |
| 11AN0446A | Soil                             | 95.2  | 10.3 | 0.12 | 603.8 | 0.017 | 2    | 0.59 | 0.017 | 0.03 | <0.1 | 1.3  | 0.04 | 0.12  | 150  | 0.4  | <0.02 |
| 11AN0447A | Soil                             | 45.5  | 16.6 | 0.11 | 340.5 | 0.015 | 1    | 0.75 | 0.013 | 0.05 | <0.1 | 0.7  | 0.08 | 0.04  | 68   | 0.2  | 0.04  |
| 11AN0448A | Soil                             | 85.4  | 22.0 | 0.33 | 800.2 | 0.038 | 3    | 1.56 | 0.012 | 0.07 | 0.1  | 3.9  | 0.10 | 0.17  | 156  | 0.5  | <0.02 |
| 11AN0449A | Soil                             | 41.4  | 15.2 | 0.23 | 458.0 | 0.027 | 2    | 0.95 | 0.012 | 0.05 | 0.1  | 2.1  | 0.06 | 0.11  | 115  | 0.3  | <0.02 |
| 11CB0967A | Soil                             | 13.1  | 30.3 | 0.69 | 486.6 | 0.051 | 3    | 1.64 | 0.017 | 0.05 | 0.1  | 4.3  | 0.15 | 0.13  | 103  | 0.6  | 0.02  |
| 11CB0968A | Soil                             | 12.3  | 22.9 | 0.52 | 525.9 | 0.038 | 4    | 1.27 | 0.016 | 0.04 | 0.1  | 2.9  | 0.14 | 0.16  | 97   | 0.4  | 0.03  |
| 11CB0969A | Soil                             | 13.2  | 28.7 | 0.67 | 488.2 | 0.049 | 3    | 1.63 | 0.016 | 0.05 | 0.1  | 4.2  | 0.15 | 0.13  | 88   | 0.5  | 0.04  |
| 11CB0970A | Soil                             | 11.3  | 25.5 | 0.62 | 467.2 | 0.046 | 2    | 1.42 | 0.015 | 0.04 | 0.1  | 3.6  | 0.13 | 0.12  | 86   | 0.5  | 0.03  |
| 11CB0971A | Soil                             | 8.7   | 8.5  | 0.16 | 351.8 | 0.020 | 3    | 0.49 | 0.014 | 0.02 | 0.1  | 1.8  | 0.08 | 0.18  | 112  | 0.5  | 0.05  |
| 11CB0972A | Soil                             | 12.8  | 19.1 | 0.39 | 512.8 | 0.034 | 3    | 1.04 | 0.018 | 0.04 | <0.1 | 2.4  | 0.11 | 0.13  | 211  | 0.7  | 0.11  |
| 11CB0973A | Soil                             | 10.8  | 21.9 | 0.45 | 418.2 | 0.039 | 2    | 1.13 | 0.016 | 0.04 | 0.1  | 2.7  | 0.11 | 0.10  | 189  | 0.6  | 0.14  |
| 11CB0974A | Soil                             | 19.2  | 12.7 | 0.18 | 364.6 | 0.016 | 2    | 0.79 | 0.015 | 0.05 | <0.1 | 1.0  | 0.11 | 0.11  | 151  | 0.4  | 0.09  |
| 11CB0975A | Soil                             | 19.5  | 13.1 | 0.15 | 514.2 | 0.026 | 2    | 0.78 | 0.013 | 0.03 | <0.1 | 1.9  | 0.05 | 0.12  | 133  | 0.4  | 0.06  |
| 11CB0976A | Soil                             | 17.5  | 10.5 | 0.17 | 454.9 | 0.026 | 2    | 0.72 | 0.012 | 0.03 | <0.1 | 1.9  | 0.07 | 0.11  | 134  | 0.5  | 0.02  |
| 11CB0977A | Soil                             | 12.0  | 14.9 | 0.12 | 196.0 | 0.018 | 2    | 0.51 | 0.017 | 0.06 | 0.1  | 1.1  | 0.08 | 0.09  | 113  | 0.3  | 0.02  |
| 11CB0978A | Soil                             | 13.9  | 13.9 | 0.40 | 272.9 | 0.042 | 2    | 1.03 | 0.016 | 0.06 | <0.1 | 2.3  | 0.09 | 0.08  | 89   | <0.1 | 0.04  |
| 11CB0979A | Soil                             | 88.6  | 13.2 | 0.26 | 849.5 | 0.023 | 4    | 1.18 | 0.018 | 0.05 | <0.1 | 3.8  | 0.17 | 0.13  | 182  | <0.1 | 0.05  |
| 11CB0980A | Soil                             | 24.7  | 14.9 | 0.50 | 510.3 | 0.081 | 3    | 1.27 | 0.015 | 0.32 | <0.1 | 4.5  | 0.15 | 0.03  | <5   | <0.1 | 0.09  |
| 11CB0981A | Soil                             | 22.4  | 15.6 | 0.48 | 333.2 | 0.091 | 2    | 1.35 | 0.015 | 0.32 | <0.1 | 5.0  | 0.24 | <0.02 | <5   | <0.1 | 0.10  |
| 11CB0982A | Soil                             | 13.0  | 15.8 | 0.58 | 615.0 | 0.077 | 2    | 1.37 | 0.016 | 0.18 | <0.1 | 2.5  | 0.13 | 0.04  | 75   | 0.1  | 0.05  |
| 11CB0983A | Soil                             | 15.0  | 19.1 | 0.49 | 716.5 | 0.075 | 2    | 1.12 | 0.020 | 0.19 | <0.1 | 2.8  | 0.11 | 0.04  | 87   | 0.2  | 0.04  |
| 11CB0984A | Soil                             | 5.2   | 26.6 | 0.68 | 663.7 | 0.096 | 3    | 1.27 | 0.019 | 0.41 | 0.1  | 2.4  | 0.19 | 0.07  | 94   | 0.1  | 0.04  |
| 11CB0985A | Soil                             | 3.2   | 8.7  | 0.23 | 971.9 | 0.021 | 3    | 0.40 | 0.022 | 0.11 | <0.1 | 0.8  | 0.08 | 0.09  | 164  | 0.3  | 0.04  |
| 11CB0986A | Soil                             | 8.0   | 17.9 | 0.64 | 238.2 | 0.159 | 1    | 1.49 | 0.015 | 0.44 | <0.1 | 2.5  | 0.12 | <0.02 | <5   | <0.1 | 0.03  |
| 11CB0987A | Soil                             | 11.0  | 20.4 | 0.47 | 439.1 | 0.101 | 2    | 1.38 | 0.021 | 0.27 | <0.1 | 2.8  | 0.09 | <0.02 | <5   | <0.1 | 0.04  |
| 11CB0988A | Soil                             | 8.1   | 12.3 | 0.26 | 499.8 | 0.068 | 3    | 0.86 | 0.021 | 0.19 | <0.1 | 2.1  | 0.07 | 0.02  | 7    | 0.1  | 0.04  |
| 11CB0989A | Soil                             | 45.4  | 17.0 | 0.31 | 930.2 | 0.062 | 3    | 1.55 | 0.025 | 0.18 | <0.1 | 6.5  | 0.08 | 0.04  | 27   | 0.2  | 0.09  |
| 11CB0990A | Soil                             | 20.8  | 18.1 | 0.35 | 660.4 | 0.081 | 3    | 1.63 | 0.025 | 0.20 | <0.1 | 4.7  | 0.08 | 0.03  | 17   | 0.2  | 0.03  |
| 11CB0991A | Soil                             | 30.9  | 35.4 | 0.80 | 524.4 | 0.119 | 2    | 1.94 | 0.017 | 0.37 | <0.1 | 5.7  | 0.11 | 0.02  | 9    | <0.1 | 0.02  |





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**Project:** Mariposa  
**Report Date:** October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|-------|
|           |                                  | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi    | V    | Ca   | P     |
|           |                                  | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm   | ppm  | %    | %     |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02  | 2    | 0.01 | 0.001 |
| 11CB0992A | Soil                             | 0.81 | 25.38 | 15.14 | 344.3 | 2864 | 12.4 | 5.9  | 6125 | 0.95 | 1.8  | 0.4  | 0.7  | <0.1 | 139.9 | 3.42 | 0.21 | 0.07  | 14   | 3.43 | 0.369 |
| 11CB0993A | Soil                             | 1.57 | 49.49 | 16.55 | 148.0 | 3760 | 17.1 | 6.4  | 1971 | 1.66 | 1.8  | 1.1  | 1.1  | 0.3  | 80.3  | 2.48 | 0.24 | 0.14  | 20   | 1.41 | 0.425 |
| 11CB0994A | Soil                             | 1.39 | 49.31 | 16.98 | 85.2  | 1167 | 19.0 | 6.9  | 847  | 2.38 | 3.1  | 1.0  | 1.5  | 1.5  | 49.7  | 2.49 | 0.28 | 0.22  | 36   | 0.58 | 0.327 |
| 11CB0995A | Soil                             | 0.59 | 20.51 | 6.54  | 67.5  | 136  | 14.7 | 6.5  | 699  | 1.75 | 3.5  | 0.9  | 2.2  | 0.7  | 87.1  | 0.30 | 0.28 | 0.11  | 36   | 2.42 | 0.083 |
| 11CB0996A | Soil                             | 0.61 | 17.82 | 5.93  | 61.7  | 96   | 12.1 | 5.9  | 720  | 1.49 | 2.9  | 0.8  | 1.4  | 0.6  | 91.8  | 0.30 | 0.26 | 0.09  | 30   | 2.60 | 0.083 |
| 11CB0997A | Soil                             | 0.67 | 30.26 | 8.85  | 65.7  | 150  | 19.0 | 12.4 | 852  | 2.35 | 3.9  | 1.1  | 5.6  | 0.5  | 49.0  | 0.60 | 0.37 | 0.17  | 46   | 0.97 | 0.078 |
| 11CB0998A | Soil                             | 0.84 | 15.97 | 5.82  | 50.9  | 69   | 11.5 | 6.9  | 551  | 1.44 | 2.0  | 0.7  | 0.6  | 0.7  | 52.7  | 0.49 | 0.54 | 0.08  | 26   | 1.00 | 0.071 |
| 11CB0999A | Soil                             | 0.82 | 18.57 | 6.35  | 62.3  | 75   | 14.1 | 9.8  | 732  | 2.09 | 4.5  | 1.0  | 1.3  | 1.5  | 60.9  | 0.54 | 0.58 | 0.08  | 40   | 1.15 | 0.105 |
| 11CB1000A | Soil                             | 1.08 | 9.79  | 7.95  | 100.2 | 48   | 13.4 | 9.6  | 2701 | 2.13 | 4.6  | 0.2  | <0.2 | 0.8  | 77.2  | 0.35 | 0.38 | 0.08  | 48   | 1.09 | 0.074 |
| 11CB1001A | Soil                             | 0.93 | 9.67  | 7.38  | 82.5  | 35   | 14.1 | 9.8  | 2013 | 2.35 | 4.6  | 0.2  | 0.4  | 1.2  | 57.2  | 0.28 | 0.38 | 0.08  | 55   | 0.77 | 0.064 |
| 11CB1002A | Soil                             | 0.39 | 8.21  | 4.63  | 95.7  | 301  | 5.9  | 3.1  | 3815 | 0.40 | 1.4  | <0.1 | 0.4  | <0.1 | 154.3 | 0.49 | 0.14 | <0.02 | 8    | 2.42 | 0.140 |
| 11CB1003A | Soil                             | 1.01 | 11.55 | 4.29  | 23.6  | 24   | 5.7  | 2.2  | 65   | 0.77 | 1.2  | 0.1  | <0.2 | <0.1 | 33.0  | 0.47 | 0.21 | 0.05  | 19   | 0.12 | 0.098 |
| 11CB1004A | Soil                             | 0.91 | 12.67 | 4.48  | 21.4  | 41   | 6.7  | 2.5  | 73   | 0.96 | 1.5  | 0.2  | <0.2 | <0.1 | 30.6  | 0.52 | 0.22 | 0.06  | 22   | 0.13 | 0.109 |
| 11CB1005A | Soil                             | 0.75 | 19.38 | 5.36  | 28.0  | 202  | 9.6  | 3.7  | 141  | 1.93 | 3.3  | 1.2  | 1.4  | <0.1 | 77.6  | 0.23 | 0.21 | 0.06  | 31   | 0.65 | 0.120 |
| 11CB1006A | Soil                             | 0.83 | 22.35 | 6.47  | 39.3  | 195  | 12.1 | 4.9  | 214  | 2.28 | 4.2  | 1.2  | 0.8  | 0.2  | 76.7  | 0.25 | 0.24 | 0.08  | 44   | 0.66 | 0.111 |
| 11CB1007A | Soil                             | 0.88 | 15.27 | 5.96  | 62.2  | 99   | 17.7 | 8.6  | 350  | 2.38 | 6.0  | 0.7  | 2.7  | 1.7  | 46.3  | 0.20 | 0.46 | 0.07  | 50   | 0.57 | 0.091 |
| 11CB1008A | Soil                             | 0.79 | 14.70 | 5.80  | 57.7  | 78   | 17.8 | 8.1  | 286  | 2.31 | 6.2  | 0.6  | 4.0  | 1.7  | 44.8  | 0.19 | 0.43 | 0.08  | 50   | 0.57 | 0.090 |
| 11CB1009A | Soil                             | 6.62 | 15.77 | 2.94  | 28.2  | 189  | 10.9 | 8.7  | 4687 | 1.30 | 2.2  | 0.7  | 10.3 | 0.4  | 125.9 | 0.40 | 0.27 | 0.02  | 14   | 2.73 | 0.108 |



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Project: Mariposa  
Report Date: October 30, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001223.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11CB0992A | Soil                             | 5.5  | 7.6  | 0.24 | 738.5 | 0.007 | 6    | 0.67 | 0.020 | 0.16 | <0.1 | 0.6  | 0.13 | 0.08 | 114  | 0.4  | 0.03  |
| 11CB0993A | Soil                             | 13.8 | 12.5 | 0.15 | 560.2 | 0.024 | 2    | 1.11 | 0.025 | 0.16 | <0.1 | 2.1  | 0.07 | 0.04 | 32   | 0.2  | 0.06  |
| 11CB0994A | Soil                             | 18.7 | 20.2 | 0.17 | 1063  | 0.030 | <1   | 1.66 | 0.026 | 0.18 | <0.1 | 5.0  | 0.06 | 0.03 | 18   | 0.2  | 0.04  |
| 11CB0995A | Soil                             | 9.9  | 18.7 | 0.37 | 1063  | 0.024 | 3    | 1.29 | 0.016 | 0.05 | 0.1  | 2.5  | 0.07 | 0.09 | 59   | 0.3  | 0.03  |
| 11CB0996A | Soil                             | 8.9  | 14.4 | 0.33 | 1024  | 0.021 | 4    | 1.08 | 0.014 | 0.04 | 0.1  | 2.0  | 0.06 | 0.10 | 74   | 0.3  | 0.03  |
| 11CB0997A | Soil                             | 19.7 | 18.5 | 0.48 | 834.6 | 0.032 | 1    | 1.37 | 0.018 | 0.06 | 0.2  | 2.5  | 0.06 | 0.05 | 65   | 0.3  | 0.03  |
| 11CB0998A | Soil                             | 10.8 | 13.4 | 0.33 | 467.2 | 0.034 | 2    | 0.96 | 0.017 | 0.04 | 0.2  | 2.0  | 0.06 | 0.08 | 74   | 0.2  | 0.04  |
| 11CB0999A | Soil                             | 12.6 | 15.7 | 0.46 | 393.4 | 0.046 | 2    | 1.15 | 0.019 | 0.06 | 0.2  | 2.7  | 0.06 | 0.07 | 63   | 0.2  | 0.03  |
| 11CB1000A | Soil                             | 4.7  | 19.6 | 0.44 | 651.2 | 0.056 | 2    | 1.30 | 0.015 | 0.12 | 0.1  | 1.8  | 0.10 | 0.05 | 80   | 0.1  | 0.03  |
| 11CB1001A | Soil                             | 5.5  | 21.5 | 0.46 | 542.0 | 0.065 | 1    | 1.51 | 0.014 | 0.10 | 0.1  | 2.0  | 0.10 | 0.04 | 50   | 0.2  | <0.02 |
| 11CB1002A | Soil                             | 1.1  | 5.4  | 0.16 | 724.5 | 0.009 | 4    | 0.25 | 0.013 | 0.15 | <0.1 | 0.5  | 0.10 | 0.11 | 197  | 0.3  | <0.02 |
| 11CB1003A | Soil                             | 2.5  | 7.5  | 0.08 | 200.1 | 0.003 | 1    | 0.50 | 0.017 | 0.05 | <0.1 | 0.3  | 0.03 | 0.04 | 83   | <0.1 | <0.02 |
| 11CB1004A | Soil                             | 2.8  | 9.3  | 0.09 | 168.6 | 0.002 | 1    | 0.61 | 0.017 | 0.05 | <0.1 | 0.2  | 0.03 | 0.04 | 77   | 0.2  | 0.02  |
| 11CB1005A | Soil                             | 12.3 | 16.1 | 0.26 | 443.1 | 0.027 | 1    | 1.54 | 0.017 | 0.05 | <0.1 | 1.6  | 0.06 | 0.11 | 79   | 0.4  | 0.02  |
| 11CB1006A | Soil                             | 13.2 | 19.2 | 0.35 | 479.8 | 0.036 | <1   | 1.89 | 0.018 | 0.07 | <0.1 | 2.5  | 0.07 | 0.09 | 78   | 0.4  | 0.04  |
| 11CB1007A | Soil                             | 11.4 | 27.4 | 0.58 | 236.5 | 0.075 | 2    | 1.44 | 0.036 | 0.07 | 0.1  | 3.3  | 0.10 | 0.04 | 51   | 0.4  | 0.04  |
| 11CB1008A | Soil                             | 11.2 | 26.6 | 0.57 | 227.2 | 0.079 | 1    | 1.42 | 0.034 | 0.07 | 0.2  | 3.3  | 0.09 | 0.04 | 35   | 0.2  | 0.02  |
| 11CB1009A | Soil                             | 4.3  | 9.2  | 0.37 | 1507  | 0.015 | 4    | 0.56 | 0.016 | 0.04 | <0.1 | 1.6  | 0.08 | 0.20 | 75   | 0.6  | 0.02  |



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Project: Mariposa  
Report Date: October 30, 2011

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## QUALITY CONTROL REPORT

WHI11001223.1

| Method<br>Analyte<br>Unit<br>MDL |      | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------------------------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
|                                  |      | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|                                  |      | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|                                  |      | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| Pulp Duplicates                  |      |      |       |       |       |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |
| 11DS1065A                        | Soil | 0.36 | 12.74 | 5.84  | 63.3  | 50   | 13.3 | 8.8  | 580  | 1.73 | 2.8  | 1.1  | 1.8  | 1.4  | 120.0 | 0.36 | 0.23 | 0.08 | 35   | 1.11 |
| REP 11DS1065A                    | QC   | 0.39 | 12.99 | 5.98  | 64.7  | 58   | 13.9 | 8.5  | 572  | 1.72 | 2.7  | 1.1  | 1.9  | 1.5  | 122.2 | 0.35 | 0.24 | 0.08 | 35   | 1.11 |
| 11DS1090A                        | Soil | 0.80 | 21.61 | 11.93 | 53.5  | 637  | 7.2  | 2.3  | 207  | 0.63 | 0.9  | 0.3  | <0.2 | <0.1 | 30.0  | 5.75 | 0.20 | 0.08 | 13   | 0.35 |
| REP 11DS1090A                    | QC   | 0.81 | 21.73 | 11.44 | 54.0  | 605  | 7.3  | 2.1  | 196  | 0.62 | 0.8  | 0.3  | 0.2  | <0.1 | 29.0  | 5.41 | 0.18 | 0.08 | 13   | 0.34 |
| 11DS1105A                        | Soil | 1.27 | 24.43 | 8.00  | 83.6  | 125  | 13.6 | 7.1  | 344  | 1.48 | 3.4  | 0.7  | 2.7  | 0.4  | 65.2  | 1.68 | 0.42 | 0.15 | 28   | 1.30 |
| REP 11DS1105A                    | QC   | 1.30 | 24.67 | 8.03  | 87.2  | 130  | 13.8 | 7.0  | 345  | 1.53 | 3.2  | 0.7  | 2.6  | 0.4  | 65.1  | 1.73 | 0.42 | 0.14 | 29   | 1.33 |
| 11AN0360A                        | Soil | 0.66 | 26.17 | 6.80  | 57.5  | 277  | 13.1 | 7.2  | 196  | 1.97 | 3.1  | 1.1  | 1.2  | 0.9  | 32.6  | 0.30 | 0.30 | 0.12 | 41   | 0.45 |
| REP 11AN0360A                    | QC   | 0.62 | 25.99 | 6.83  | 58.2  | 287  | 12.9 | 7.0  | 199  | 1.96 | 3.1  | 1.1  | 2.3  | 0.9  | 32.5  | 0.32 | 0.30 | 0.13 | 40   | 0.45 |
| 11AN0373A                        | Soil | 0.95 | 41.68 | 5.48  | 33.4  | 1184 | 12.0 | 5.2  | 141  | 1.76 | 2.1  | 0.8  | 4.2  | <0.1 | 27.1  | 0.78 | 0.22 | 0.57 | 34   | 0.38 |
| REP 11AN0373A                    | QC   | 0.92 | 40.05 | 5.16  | 32.8  | 1149 | 11.7 | 4.9  | 133  | 1.65 | 2.1  | 0.8  | 2.4  | <0.1 | 25.9  | 0.69 | 0.17 | 0.25 | 33   | 0.35 |
| 11AN0391A                        | Soil | 0.74 | 24.84 | 5.31  | 28.7  | 399  | 14.0 | 2.4  | 79   | 0.84 | 1.1  | 0.7  | 1.7  | <0.1 | 30.3  | 0.93 | 0.15 | 0.15 | 18   | 0.34 |
| REP 11AN0391A                    | QC   | 0.77 | 25.47 | 5.59  | 30.0  | 409  | 14.5 | 2.5  | 84   | 0.87 | 1.2  | 0.8  | 1.4  | <0.1 | 31.2  | 1.02 | 0.16 | 0.15 | 19   | 0.35 |
| 11CB1068A                        | Soil | 1.53 | 31.38 | 5.93  | 110.7 | 876  | 13.0 | 5.5  | 1377 | 1.42 | 2.1  | 0.5  | 2.0  | 0.8  | 43.8  | 1.10 | 0.25 | 0.20 | 38   | 1.06 |
| REP 11CB1068A                    | QC   | 1.23 | 32.06 | 6.01  | 110.7 | 901  | 10.8 | 5.6  | 1426 | 1.45 | 2.0  | 0.6  | 1.3  | 0.8  | 43.9  | 1.10 | 0.25 | 0.19 | 39   | 1.09 |
| 11TB1004A                        | Soil | 0.63 | 65.55 | 24.58 | 75.4  | 1089 | 8.5  | 3.6  | 97   | 1.26 | 1.3  | 1.2  | 1.3  | <0.1 | 38.6  | 1.95 | 0.16 | 0.16 | 24   | 0.34 |
| REP 11TB1004A                    | QC   | 0.62 | 61.88 | 24.21 | 72.6  | 1041 | 8.1  | 3.4  | 95   | 1.22 | 1.3  | 1.2  | 1.2  | <0.1 | 37.2  | 1.91 | 0.15 | 0.16 | 24   | 0.34 |
| 11TB1022A                        | Soil | 0.74 | 20.39 | 6.45  | 59.4  | 91   | 18.9 | 9.8  | 457  | 2.21 | 6.1  | 0.8  | 5.0  | 1.5  | 45.4  | 0.19 | 0.45 | 0.14 | 49   | 0.73 |
| REP 11TB1022A                    | QC   | 0.76 | 19.85 | 6.28  | 55.3  | 98   | 17.6 | 9.5  | 439  | 2.12 | 5.9  | 0.8  | 2.4  | 1.4  | 43.9  | 0.19 | 0.44 | 0.14 | 48   | 0.70 |
| 11TB1046A                        | Soil | 1.90 | 40.20 | 36.99 | 141.6 | 2662 | 15.6 | 7.8  | 598  | 1.79 | 3.4  | 0.9  | 1.4  | 0.4  | 40.4  | 4.71 | 0.25 | 0.16 | 31   | 0.63 |
| REP 11TB1046A                    | QC   | 1.99 | 40.92 | 37.08 | 139.5 | 2646 | 15.8 | 8.1  | 593  | 1.84 | 3.4  | 0.9  | 1.3  | 0.4  | 41.8  | 4.83 | 0.25 | 0.16 | 31   | 0.64 |
| 11DS1013A                        | Soil | 0.97 | 19.51 | 6.14  | 32.6  | 90   | 10.6 | 4.2  | 680  | 1.23 | 1.2  | 0.2  | 1.0  | <0.1 | 35.7  | 1.05 | 0.32 | 0.22 | 30   | 0.30 |
| REP 11DS1013A                    | QC   | 0.94 | 20.38 | 6.45  | 33.9  | 91   | 11.7 | 4.7  | 736  | 1.33 | 1.6  | 0.2  | 1.0  | <0.1 | 38.7  | 1.08 | 0.32 | 0.17 | 32   | 0.32 |
| 11DS1049A                        | Soil | 1.04 | 39.22 | 79.77 | 141.7 | 1771 | 13.5 | 20.4 | 2368 | 3.19 | 2.2  | 1.9  | 10.1 | 1.6  | 38.7  | 3.22 | 0.28 | 0.06 | 78   | 1.36 |
| REP 11DS1049A                    | QC   | 0.99 | 39.15 | 79.45 | 144.5 | 1742 | 14.2 | 21.1 | 2332 | 3.13 | 2.1  | 1.9  | 8.1  | 1.7  | 39.9  | 3.29 | 0.28 | 0.06 | 77   | 1.31 |
| 11AN0408A                        | Soil | 0.87 | 8.23  | 4.86  | 30.8  | 238  | 6.0  | 3.3  | 364  | 1.38 | 1.9  | 0.3  | <0.2 | 0.1  | 9.5   | 0.19 | 0.28 | 0.15 | 42   | 0.10 |
| REP 11AN0408A                    | QC   | 0.93 | 8.45  | 5.00  | 32.1  | 241  | 6.2  | 3.3  | 380  | 1.39 | 2.1  | 0.3  | 0.8  | 0.1  | 9.8   | 0.19 | 0.30 | 0.15 | 42   | 0.12 |
| 11AN0438A                        | Soil | 0.99 | 14.83 | 5.89  | 18.7  | 509  | 7.1  | 2.2  | 36   | 0.97 | 1.6  | 0.5  | 0.4  | 0.1  | 16.4  | 0.16 | 0.18 | 0.15 | 21   | 0.11 |
| REP 11AN0438A                    | QC   | 0.92 | 14.77 | 5.88  | 18.5  | 505  | 7.1  | 2.3  | 37   | 0.96 | 1.8  | 0.5  | 0.9  | 0.1  | 16.2  | 0.18 | 0.19 | 0.13 | 20   | 0.11 |



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Project: Mariposa

Report Date: October 30, 2011

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## QUALITY CONTROL REPORT

WHI11001223.1

|                 | Method | Analyte | Unit | MDL  | 1F15 | 1F15  | 1F15  | 1F15 | 1F15  | 1F15  | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |     |      |     |
|-----------------|--------|---------|------|------|------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|-------|-----|------|-----|
|                 |        |         |      |      | La   | Cr    | Mg    | Ba   | Ti    | B     | Al   | Na    | K    | W    | Sc    | Tl   | S    | Hg    | Se  | Te   | Ga  |
|                 |        |         |      |      | ppm  | ppm   | %     | ppm  | %     | ppm   | %    | %     | %    | ppm  | ppm   | ppm  | %    | ppb   | ppm | ppm  | ppm |
|                 |        |         |      |      | 0.5  | 0.5   | 0.01  | 0.5  | 0.001 | 1     | 0.01 | 0.001 | 0.01 | 0.1  | 0.1   | 0.02 | 0.02 | 5     | 0.1 | 0.02 | 0.1 |
| Pulp Duplicates |        |         |      |      |      |       |       |      |       |       |      |       |      |      |       |      |      |       |     |      |     |
| 11DS1065A       | Soil   |         | 13.8 | 18.0 | 0.51 | 197.9 | 0.061 | 3    | 1.17  | 0.021 | 0.08 | 0.2   | 2.9  | 0.04 | 0.09  | 43   | 0.5  | 0.03  | 3.7 |      |     |
| REP 11DS1065A   | QC     |         | 13.5 | 18.2 | 0.50 | 195.3 | 0.062 | 3    | 1.15  | 0.021 | 0.07 | 0.2   | 2.9  | 0.04 | 0.09  | 45   | 0.3  | <0.02 | 4.0 |      |     |
| 11DS1090A       | Soil   |         | 10.2 | 8.0  | 0.11 | 417.1 | 0.004 | 2    | 0.40  | 0.018 | 0.07 | <0.1  | 0.3  | 0.03 | 0.05  | 108  | 0.3  | <0.02 | 1.4 |      |     |
| REP 11DS1090A   | QC     |         | 9.8  | 7.9  | 0.11 | 405.6 | 0.004 | 1    | 0.39  | 0.018 | 0.07 | <0.1  | 0.3  | 0.03 | 0.04  | 114  | 0.4  | <0.02 | 1.4 |      |     |
| 11DS1105A       | Soil   |         | 8.4  | 16.9 | 0.39 | 203.3 | 0.035 | 3    | 0.86  | 0.015 | 0.07 | 0.1   | 1.8  | 0.06 | 0.09  | 59   | 0.4  | 0.03  | 2.9 |      |     |
| REP 11DS1105A   | QC     |         | 8.6  | 17.1 | 0.41 | 211.4 | 0.038 | 2    | 0.89  | 0.016 | 0.07 | 0.2   | 2.0  | 0.07 | 0.10  | 80   | 0.3  | <0.02 | 3.0 |      |     |
| 11AN0360A       | Soil   |         | 13.9 | 22.5 | 0.53 | 286.8 | 0.067 | 2    | 1.37  | 0.016 | 0.07 | 0.1   | 4.0  | 0.08 | 0.04  | 81   | 0.2  | 0.02  | 4.8 |      |     |
| REP 11AN0360A   | QC     |         | 13.8 | 22.8 | 0.52 | 294.1 | 0.066 | 1    | 1.34  | 0.015 | 0.07 | <0.1  | 4.1  | 0.08 | 0.04  | 68   | 0.2  | 0.03  | 4.8 |      |     |
| 11AN0373A       | Soil   |         | 13.3 | 11.8 | 0.28 | 272.8 | 0.028 | 2    | 1.04  | 0.014 | 0.14 | <0.1  | 1.3  | 0.08 | 0.05  | 95   | 0.2  | 0.02  | 3.9 |      |     |
| REP 11AN0373A   | QC     |         | 12.7 | 11.6 | 0.26 | 257.2 | 0.027 | 2    | 1.01  | 0.013 | 0.13 | <0.1  | 1.2  | 0.07 | 0.06  | 75   | <0.1 | 0.02  | 3.7 |      |     |
| 11AN0391A       | Soil   |         | 19.6 | 11.7 | 0.13 | 333.3 | 0.013 | 2    | 0.64  | 0.015 | 0.06 | <0.1  | 0.6  | 0.05 | 0.05  | 56   | <0.1 | <0.02 | 2.8 |      |     |
| REP 11AN0391A   | QC     |         | 19.6 | 12.4 | 0.14 | 343.8 | 0.015 | 1    | 0.68  | 0.016 | 0.06 | <0.1  | 0.6  | 0.05 | 0.05  | 60   | 0.2  | <0.02 | 2.7 |      |     |
| 11CB1068A       | Soil   |         | 18.6 | 27.8 | 0.26 | 422.7 | 0.051 | 2    | 0.72  | 0.014 | 0.23 | <0.1  | 2.8  | 0.06 | 0.03  | 28   | 0.1  | <0.02 | 4.5 |      |     |
| REP 11CB1068A   | QC     |         | 19.0 | 11.9 | 0.26 | 452.1 | 0.052 | 2    | 0.76  | 0.015 | 0.24 | <0.1  | 2.9  | 0.05 | 0.03  | 19   | <0.1 | 0.02  | 4.4 |      |     |
| 11TB1004A       | Soil   |         | 13.4 | 13.6 | 0.16 | 332.0 | 0.017 | <1   | 0.89  | 0.012 | 0.05 | <0.1  | 0.8  | 0.03 | 0.05  | 68   | 0.2  | 0.04  | 2.5 |      |     |
| REP 11TB1004A   | QC     |         | 13.2 | 12.6 | 0.16 | 321.4 | 0.016 | <1   | 0.87  | 0.012 | 0.05 | <0.1  | 0.9  | 0.03 | 0.05  | 58   | 0.1  | 0.02  | 2.4 |      |     |
| 11TB1022A       | Soil   |         | 10.6 | 26.2 | 0.54 | 232.0 | 0.056 | 2    | 1.41  | 0.020 | 0.06 | 0.2   | 3.2  | 0.07 | 0.05  | 51   | 0.3  | <0.02 | 4.4 |      |     |
| REP 11TB1022A   | QC     |         | 10.0 | 25.0 | 0.53 | 224.1 | 0.053 | 2    | 1.42  | 0.020 | 0.06 | 0.1   | 3.0  | 0.07 | 0.05  | 47   | 0.3  | 0.02  | 4.0 |      |     |
| 11TB1046A       | Soil   |         | 14.7 | 15.8 | 0.21 | 375.1 | 0.032 | <1   | 1.20  | 0.015 | 0.09 | <0.1  | 2.4  | 0.05 | 0.04  | 76   | 0.2  | 0.03  | 3.8 |      |     |
| REP 11TB1046A   | QC     |         | 14.7 | 16.7 | 0.22 | 379.8 | 0.036 | <1   | 1.25  | 0.016 | 0.09 | <0.1  | 2.4  | 0.06 | 0.04  | 70   | 0.4  | 0.06  | 4.0 |      |     |
| 11DS1013A       | Soil   |         | 4.7  | 11.2 | 0.13 | 424.7 | 0.017 | 1    | 0.56  | 0.014 | 0.05 | <0.1  | 0.5  | 0.05 | 0.03  | 62   | <0.1 | <0.02 | 3.2 |      |     |
| REP 11DS1013A   | QC     |         | 5.0  | 12.7 | 0.14 | 460.4 | 0.017 | 1    | 0.62  | 0.016 | 0.06 | <0.1  | 0.5  | 0.04 | 0.03  | 80   | 0.1  | 0.02  | 3.5 |      |     |
| 11DS1049A       | Soil   |         | 36.2 | 29.8 | 0.87 | 406.9 | 0.106 | <1   | 1.87  | 0.014 | 0.24 | 0.1   | 10.7 | 0.13 | 0.07  | 111  | 1.3  | <0.02 | 5.9 |      |     |
| REP 11DS1049A   | QC     |         | 35.2 | 31.2 | 0.86 | 410.2 | 0.103 | <1   | 1.84  | 0.014 | 0.23 | 0.1   | 10.2 | 0.12 | 0.07  | 90   | 1.4  | <0.02 | 5.6 |      |     |
| 11AN0408A       | Soil   |         | 6.6  | 10.6 | 0.08 | 141.5 | 0.039 | <1   | 0.45  | 0.010 | 0.07 | <0.1  | 0.8  | 0.06 | <0.02 | 33   | 0.3  | 0.02  | 3.8 |      |     |
| REP 11AN0408A   | QC     |         | 6.5  | 11.2 | 0.08 | 140.0 | 0.038 | <1   | 0.46  | 0.010 | 0.07 | <0.1  | 0.9  | 0.07 | <0.02 | 45   | 0.3  | <0.02 | 3.9 |      |     |
| 11AN0438A       | Soil   |         | 7.9  | 13.4 | 0.06 | 199.0 | 0.005 | 1    | 0.79  | 0.010 | 0.04 | <0.1  | 0.3  | 0.06 | 0.06  | 82   | 0.3  | 0.04  | 3.3 |      |     |
| REP 11AN0438A   | QC     |         | 7.7  | 13.5 | 0.06 | 194.9 | 0.006 | 1    | 0.78  | 0.010 | 0.04 | <0.1  | 0.2  | 0.05 | 0.06  | 75   | 0.3  | 0.03  | 3.2 |      |     |



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Project: Mariposa  
Report Date: October 30, 2011

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## QUALITY CONTROL REPORT

WHI11001223.1

|                     |          | 1F15<br>Mo<br>ppm<br>0.01 | 1F15<br>Cu<br>ppm<br>0.01 | 1F15<br>Pb<br>ppm<br>0.01 | 1F15<br>Zn<br>ppm<br>0.1 | 1F15<br>Ag<br>ppb<br>2 | 1F15<br>Ni<br>ppm<br>0.1 | 1F15<br>Co<br>ppm<br>0.1 | 1F15<br>Mn<br>ppm<br>1 | 1F15<br>Fe<br>%<br>0.01 | 1F15<br>As<br>ppm<br>0.1 | 1F15<br>U<br>ppm<br>0.1 | 1F15<br>Au<br>ppb<br>0.2 | 1F15<br>Th<br>ppm<br>0.1 | 1F15<br>Sr<br>ppm<br>0.5 | 1F15<br>Cd<br>ppm<br>0.01 | 1F15<br>Sb<br>ppm<br>0.02 | 1F15<br>Bi<br>ppm<br>0.02 | 1F15<br>V<br>ppm<br>2 | 1F15<br>Ca<br>%<br>0.01 | 1F15<br>P<br>%<br>0.001 |
|---------------------|----------|---------------------------|---------------------------|---------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-------------------------|
| 11CB0972A           | Soil     | 1.40                      | 319.1                     | 458.5                     | 1572                     | 3373                   | 16.3                     | 10.1                     | 1128                   | 1.47                    | 2.8                      | 0.8                     | 7.6                      | 0.5                      | 67.1                     | 35.40                     | 0.37                      | 1.50                      | 30                    | 2.21                    | 0.093                   |
| REP 11CB0972A       | QC       | 1.36                      | 305.7                     | 431.4                     | 1512                     | 3211                   | 15.8                     | 9.2                      | 1055                   | 1.42                    | 2.4                      | 0.8                     | 6.3                      | 0.4                      | 65.3                     | 33.06                     | 0.33                      | 1.39                      | 29                    | 2.14                    | 0.087                   |
| 11CB0988A           | Soil     | 0.85                      | 19.62                     | 12.60                     | 191.8                    | 904                    | 8.7                      | 5.9                      | 3196                   | 1.36                    | 1.7                      | 0.4                     | 0.9                      | 1.3                      | 59.3                     | 1.76                      | 0.17                      | 0.09                      | 31                    | 1.21                    | 0.168                   |
| REP 11CB0988A       | QC       | 0.86                      | 20.10                     | 12.15                     | 187.8                    | 899                    | 9.2                      | 5.7                      | 3140                   | 1.38                    | 1.8                      | 0.4                     | 0.3                      | 1.2                      | 58.6                     | 1.79                      | 0.17                      | 0.09                      | 31                    | 1.22                    | 0.170                   |
| 11CB0998A           | Soil     | 0.84                      | 15.97                     | 5.82                      | 50.9                     | 69                     | 11.5                     | 6.9                      | 551                    | 1.44                    | 2.0                      | 0.7                     | 0.6                      | 0.7                      | 52.7                     | 0.49                      | 0.54                      | 0.08                      | 26                    | 1.00                    | 0.071                   |
| REP 11CB0998A       | QC       | 0.88                      | 16.00                     | 6.03                      | 52.6                     | 68                     | 12.1                     | 7.0                      | 576                    | 1.43                    | 2.1                      | 0.7                     | 1.2                      | 0.7                      | 54.9                     | 0.52                      | 0.51                      | 0.07                      | 25                    | 1.04                    | 0.074                   |
| Reference Materials |          |                           |                           |                           |                          |                        |                          |                          |                        |                         |                          |                         |                          |                          |                          |                           |                           |                           |                       |                         |                         |
| STD DS8             | Standard | 13.11                     | 105.7                     | 120.2                     | 302.3                    | 1666                   | 36.0                     | 7.1                      | 573                    | 2.35                    | 24.4                     | 2.7                     | 104.7                    | 6.7                      | 63.3                     | 2.22                      | 5.05                      | 6.59                      | 41                    | 0.71                    | 0.078                   |
| STD DS8             | Standard | 13.41                     | 114.1                     | 123.6                     | 312.8                    | 1808                   | 39.4                     | 7.6                      | 642                    | 2.53                    | 25.0                     | 2.7                     | 112.6                    | 6.8                      | 70.3                     | 2.38                      | 5.38                      | 5.86                      | 44                    | 0.75                    | 0.078                   |
| STD DS8             | Standard | 12.44                     | 103.1                     | 119.9                     | 295.4                    | 1691                   | 36.6                     | 7.1                      | 625                    | 2.45                    | 23.0                     | 2.7                     | 112.9                    | 6.7                      | 60.6                     | 2.15                      | 4.72                      | 5.39                      | 40                    | 0.68                    | 0.077                   |
| STD DS8             | Standard | 13.21                     | 104.8                     | 119.1                     | 304.8                    | 1753                   | 36.9                     | 7.3                      | 603                    | 2.45                    | 23.4                     | 2.6                     | 106.3                    | 5.9                      | 61.6                     | 2.14                      | 4.88                      | 5.98                      | 42                    | 0.70                    | 0.078                   |
| STD DS8             | Standard | 13.66                     | 105.9                     | 128.4                     | 307.8                    | 1779                   | 37.9                     | 7.5                      | 618                    | 2.47                    | 24.2                     | 2.9                     | 111.8                    | 7.5                      | 66.5                     | 2.27                      | 5.17                      | 5.76                      | 42                    | 0.72                    | 0.080                   |
| STD DS8             | Standard | 13.16                     | 103.4                     | 114.1                     | 292.3                    | 1572                   | 35.1                     | 7.0                      | 577                    | 2.35                    | 23.0                     | 2.8                     | 100.4                    | 6.9                      | 62.4                     | 2.07                      | 4.93                      | 6.42                      | 38                    | 0.66                    | 0.071                   |
| STD DS8             | Standard | 13.60                     | 113.6                     | 132.4                     | 314.9                    | 1815                   | 35.8                     | 7.6                      | 602                    | 2.42                    | 25.8                     | 3.1                     | 113.0                    | 7.7                      | 66.4                     | 2.48                      | 5.48                      | 6.77                      | 40                    | 0.72                    | 0.082                   |
| STD DS8             | Standard | 12.34                     | 101.1                     | 115.6                     | 291.7                    | 1646                   | 35.0                     | 6.8                      | 555                    | 2.28                    | 22.7                     | 2.6                     | 93.5                     | 6.8                      | 62.0                     | 2.14                      | 5.35                      | 5.97                      | 41                    | 0.66                    | 0.076                   |
| STD DS8             | Standard | 11.73                     | 107.5                     | 119.6                     | 306.7                    | 1675                   | 37.6                     | 7.4                      | 593                    | 2.42                    | 29.7                     | 2.6                     | 102.4                    | 6.2                      | 59.9                     | 2.23                      | 4.97                      | 6.21                      | 40                    | 0.66                    | 0.079                   |
| STD DS8             | Standard | 12.98                     | 107.5                     | 121.5                     | 309.9                    | 1721                   | 36.4                     | 7.3                      | 614                    | 2.51                    | 24.5                     | 2.8                     | 103.7                    | 6.8                      | 66.3                     | 2.25                      | 5.56                      | 6.48                      | 42                    | 0.74                    | 0.082                   |
| STD DS8             | Standard | 14.40                     | 109.7                     | 124.8                     | 317.0                    | 1835                   | 39.5                     | 7.8                      | 620                    | 2.55                    | 25.6                     | 2.9                     | 107.0                    | 7.1                      | 68.0                     | 2.29                      | 5.55                      | 6.15                      | 42                    | 0.74                    | 0.078                   |
| STD DS8             | Standard | 13.73                     | 108.1                     | 120.7                     | 304.0                    | 1644                   | 38.8                     | 7.7                      | 627                    | 2.52                    | 24.7                     | 2.8                     | 108.0                    | 7.0                      | 70.1                     | 2.36                      | 5.53                      | 6.48                      | 42                    | 0.74                    | 0.081                   |
| STD DS8 Expected    |          | 13.44                     | 110                       | 123                       | 312                      | 1690                   | 38.1                     | 7.5                      | 615                    | 2.46                    | 26                       | 2.8                     | 107                      | 6.89                     | 67.7                     | 2.38                      | 5.7                       | 6.67                      | 41.1                  | 0.7                     | 0.08                    |
| BLK                 | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK                 | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK                 | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | 2                      | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK                 | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK                 | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK                 | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK                 | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK                 | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK                 | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |



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Project: Mariposa

Report Date: October 30, 2011

Page: 2 of 3 Part 2

## QUALITY CONTROL REPORT

WHI11001223.1

|                     |          | 1F15<br>La<br>ppm<br>0.5 | 1F15<br>Cr<br>ppm<br>0.5 | 1F15<br>Mg<br>%<br>0.01 | 1F15<br>Ba<br>ppm<br>0.5 | 1F15<br>Ti<br>%<br>0.001 | 1F15<br>B<br>ppm<br>1 | 1F15<br>Al<br>%<br>0.01 | 1F15<br>Na<br>%<br>0.001 | 1F15<br>K<br>%<br>0.01 | 1F15<br>W<br>ppm<br>0.1 | 1F15<br>Sc<br>ppm<br>0.1 | 1F15<br>Ti<br>ppm<br>0.02 | 1F15<br>S<br>%<br>0.02 | 1F15<br>Hg<br>ppb<br>5 | 1F15<br>Se<br>ppm<br>0.1 | 1F15<br>Te<br>ppm<br>0.02 | 1F15<br>Ga<br>ppm<br>0.1 |
|---------------------|----------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|
| 11CB0972A           | Soil     | 12.8                     | 19.1                     | 0.39                    | 512.8                    | 0.034                    | 3                     | 1.04                    | 0.018                    | 0.04                   | <0.1                    | 2.4                      | 0.11                      | 0.13                   | 211                    | 0.7                      | 0.11                      | 2.9                      |
| REP 11CB0972A       | QC       | 12.2                     | 18.7                     | 0.37                    | 492.3                    | 0.032                    | 3                     | 0.99                    | 0.017                    | 0.04                   | <0.1                    | 2.2                      | 0.10                      | 0.13                   | 210                    | 0.6                      | 0.09                      | 2.9                      |
| 11CB0988A           | Soil     | 8.1                      | 12.3                     | 0.26                    | 499.8                    | 0.068                    | 3                     | 0.86                    | 0.021                    | 0.19                   | <0.1                    | 2.1                      | 0.07                      | 0.02                   | 7                      | 0.1                      | 0.04                      | 4.7                      |
| REP 11CB0988A       | QC       | 8.1                      | 12.8                     | 0.26                    | 503.7                    | 0.071                    | 2                     | 0.88                    | 0.021                    | 0.19                   | <0.1                    | 2.0                      | 0.08                      | <0.02                  | 6                      | <0.1                     | 0.05                      | 4.8                      |
| 11CB0998A           | Soil     | 10.8                     | 13.4                     | 0.33                    | 467.2                    | 0.034                    | 2                     | 0.96                    | 0.017                    | 0.04                   | 0.2                     | 2.0                      | 0.06                      | 0.08                   | 74                     | 0.2                      | 0.04                      | 3.3                      |
| REP 11CB0998A       | QC       | 10.9                     | 13.7                     | 0.32                    | 478.0                    | 0.029                    | 2                     | 0.94                    | 0.017                    | 0.04                   | 0.1                     | 2.0                      | 0.06                      | 0.08                   | 84                     | 0.2                      | 0.03                      | 3.2                      |
| Reference Materials |          |                          |                          |                         |                          |                          |                       |                         |                          |                        |                         |                          |                           |                        |                        |                          |                           |                          |
| STD DS8             | Standard | 17.0                     | 113.7                    | 0.59                    | 259.4                    | 0.108                    | 3                     | 0.94                    | 0.084                    | 0.40                   | 2.8                     | 2.4                      | 5.14                      | 0.15                   | 191                    | 5.3                      | 4.84                      | 4.5                      |
| STD DS8             | Standard | 16.9                     | 118.2                    | 0.65                    | 280.6                    | 0.117                    | 3                     | 1.00                    | 0.093                    | 0.44                   | 3.0                     | 2.3                      | 5.35                      | 0.17                   | 191                    | 4.7                      | 4.87                      | 4.9                      |
| STD DS8             | Standard | 15.1                     | 114.6                    | 0.59                    | 243.3                    | 0.105                    | 2                     | 0.88                    | 0.081                    | 0.39                   | 2.7                     | 2.2                      | 5.38                      | 0.16                   | 192                    | 5.2                      | 5.21                      | 4.8                      |
| STD DS8             | Standard | 15.1                     | 117.6                    | 0.62                    | 256.5                    | 0.109                    | 2                     | 0.92                    | 0.089                    | 0.41                   | 2.9                     | 2.2                      | 5.42                      | 0.16                   | 176                    | 5.3                      | 4.88                      | 4.8                      |
| STD DS8             | Standard | 17.1                     | 119.5                    | 0.63                    | 280.4                    | 0.114                    | 3                     | 0.92                    | 0.086                    | 0.40                   | 3.0                     | 2.2                      | 5.80                      | 0.17                   | 213                    | 5.3                      | 5.24                      | 4.9                      |
| STD DS8             | Standard | 17.0                     | 111.9                    | 0.58                    | 245.7                    | 0.118                    | 2                     | 0.90                    | 0.082                    | 0.39                   | 2.6                     | 2.3                      | 5.04                      | 0.15                   | 186                    | 5.3                      | 4.55                      | 4.7                      |
| STD DS8             | Standard | 18.2                     | 119.8                    | 0.60                    | 262.3                    | 0.117                    | 3                     | 0.93                    | 0.087                    | 0.41                   | 2.7                     | 2.3                      | 5.42                      | 0.16                   | 196                    | 5.1                      | 4.59                      | 4.7                      |
| STD DS8             | Standard | 14.9                     | 111.6                    | 0.56                    | 259.9                    | 0.107                    | 3                     | 0.84                    | 0.080                    | 0.37                   | 2.8                     | 1.9                      | 5.06                      | 0.15                   | 172                    | 4.9                      | 4.61                      | 4.6                      |
| STD DS8             | Standard | 11.7                     | 115.3                    | 0.61                    | 237.7                    | 0.097                    | 2                     | 1.02                    | 0.088                    | 0.45                   | 2.6                     | 1.9                      | 5.25                      | 0.15                   | 203                    | 5.3                      | 4.80                      | 4.6                      |
| STD DS8             | Standard | 16.4                     | 122.4                    | 0.63                    | 274.2                    | 0.111                    | 3                     | 0.97                    | 0.102                    | 0.42                   | 3.1                     | 2.4                      | 5.43                      | 0.17                   | 196                    | 5.2                      | 4.95                      | 4.7                      |
| STD DS8             | Standard | 16.6                     | 122.0                    | 0.63                    | 287.2                    | 0.111                    | 3                     | 1.03                    | 0.087                    | 0.45                   | 3.0                     | 2.4                      | 5.60                      | 0.16                   | 219                    | 5.1                      | 5.03                      | 4.9                      |
| STD DS8             | Standard | 17.1                     | 113.9                    | 0.63                    | 295.0                    | 0.119                    | 3                     | 0.95                    | 0.090                    | 0.43                   | 3.0                     | 2.3                      | 5.19                      | 0.17                   | 166                    | 4.8                      | 5.08                      | 4.7                      |
| STD DS8 Expected    |          | 14.6                     | 115                      | 0.6045                  | 279                      | 0.113                    | 2.6                   | 0.93                    | 0.0883                   | 0.41                   | 3                       | 2.3                      | 5.4                       | 0.1679                 | 192                    | 5.23                     | 5                         | 4.7                      |
| BLK                 | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                 | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                 | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                 | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                 | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                 | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                 | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                 | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK                 | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |



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**Project:** Mariposa

**Report Date:** October 30, 2011

**Page:** 3 of 3 **Part** 1

## QUALITY CONTROL REPORT

WHI11001223.1

|     |       | 1F15<br>Mo<br>ppm<br>0.01 | 1F15<br>Cu<br>ppm<br>0.01 | 1F15<br>Pb<br>ppm<br>0.01 | 1F15<br>Zn<br>ppm<br>0.1 | 1F15<br>Ag<br>ppb<br>2 | 1F15<br>Ni<br>ppm<br>0.1 | 1F15<br>Co<br>ppm<br>0.1 | 1F15<br>Mn<br>ppm<br>1 | 1F15<br>Fe<br>%<br>0.01 | 1F15<br>As<br>ppm<br>0.1 | 1F15<br>U<br>ppm<br>0.1 | 1F15<br>Au<br>ppb<br>0.2 | 1F15<br>Th<br>ppm<br>0.1 | 1F15<br>Sr<br>ppm<br>0.5 | 1F15<br>Cd<br>ppm<br>0.01 | 1F15<br>Sb<br>ppm<br>0.02 | 1F15<br>Bi<br>ppm<br>0.02 | 1F15<br>V<br>ppm<br>2 | 1F15<br>Ca<br>%<br>0.01 | 1F15<br>P<br>%<br>0.001 |
|-----|-------|---------------------------|---------------------------|---------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-------------------------|
| BLK | Blank | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK | Blank | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK | Blank | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |



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**Project:** Mariposa

**Report Date:** October 30, 2011

**Page:** 3 of 3 **Part** 2

## QUALITY CONTROL REPORT

WHI11001223.1

|     |       | 1F15<br>La<br>ppm<br>0.5 | 1F15<br>Cr<br>ppm<br>0.5 | 1F15<br>Mg<br>%<br>0.01 | 1F15<br>Ba<br>ppm<br>0.5 | 1F15<br>Ti<br>%<br>0.001 | 1F15<br>B<br>ppm<br>1 | 1F15<br>Al<br>%<br>0.01 | 1F15<br>Na<br>%<br>0.001 | 1F15<br>K<br>%<br>0.01 | 1F15<br>W<br>ppm<br>0.1 | 1F15<br>Sc<br>ppm<br>0.1 | 1F15<br>Ti<br>ppm<br>0.02 | 1F15<br>S<br>%<br>0.02 | 1F15<br>Hg<br>ppb<br>5 | 1F15<br>Se<br>ppm<br>0.1 | 1F15<br>Te<br>ppm<br>0.02 | 1F15<br>Ga<br>ppm<br>0.1 |
|-----|-------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|
| BLK | Blank | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK | Blank | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK | Blank | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |





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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 24, 2011

Report Date: November 09, 2011

Page: 1 of 11

## CERTIFICATE OF ANALYSIS

WHI11001224.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-27  
P.O. Number  
Number of Samples: 299

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Katie Dodd

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 298               | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 298               | Dry at 60C                                            |              |               | WHI |
| RJSV        | 298               | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F02        | 246               | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: November 09, 2011

Page: 2 of 11 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | SS80   | SS80   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | -80 Wt | +80 Wt | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     |
|           |                                  | g      | g      | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    |
|           |                                  | 0      | 0.01   | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   |
| 11CB1010A | Soil                             | 12.00  | 121.0  | 7.71   | 16.42  | 2.57   | 35.3   | 185    | 10.1   | 9.1    | 6448   | 1.30   | 1.8    | 0.7    | 15.3   | 0.4    | 114.9  | 0.44   | 0.29   | 0.59   |
| 11CB1011A | Soil                             | 8.000  | 90.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1012A | Soil                             | 5.000  | 99.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1013A | Soil                             | 4.000  | 86.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1014A | Soil                             | 7.000  | 108.0  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1015A | Soil                             | 6.000  | 76.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1016A | Soil                             | 2.000  | 91.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1017A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB1050A | Soil                             | 85.00  | 182.0  | 0.70   | 18.52  | 8.60   | 193.5  | 772    | 10.5   | 4.7    | 3822   | 1.38   | 2.1    | 0.3    | 1.4    | 0.9    | 103.4  | 0.69   | 0.23   | 0.26   |
| 11TB1051A | Soil                             | 11.00  | 153.0  | 1.16   | 20.88  | 4.18   | 117.3  | 551    | 8.4    | 2.6    | 1783   | 0.59   | 1.0    | 0.2    | 2.9    | <0.1   | 71.5   | 0.69   | 0.18   | 0.35   |
| 11TB1052A | Soil                             | 26.00  | 124.0  | 0.69   | 17.16  | 4.73   | 27.0   | 309    | 5.5    | 1.9    | 63     | 0.93   | 1.3    | 0.3    | 2.3    | <0.1   | 16.7   | 0.48   | 0.16   | 0.17   |
| 11TB1053A | Soil                             | 29.00  | 152.0  | 0.77   | 30.44  | 6.05   | 199.9  | 473    | 11.5   | 3.7    | 3799   | 1.11   | 1.5    | 0.4    | 2.0    | <0.1   | 72.4   | 1.08   | 0.20   | 0.10   |
| 11TB1054A | Soil                             | 2.000  | 58.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1055A | Soil                             | 25.00  | 162.0  | 0.67   | 13.94  | 5.26   | 51.1   | 91     | 10.4   | 6.6    | 307    | 2.00   | 3.0    | 0.7    | 2.2    | 0.7    | 38.1   | 0.17   | 0.30   | 0.06   |
| 11TB1056A | Soil                             | 32.00  | 171.0  | 0.69   | 20.42  | 6.39   | 51.8   | 156    | 11.3   | 6.1    | 209    | 2.02   | 3.2    | 0.7    | 3.2    | 0.6    | 34.7   | 0.20   | 0.26   | 0.08   |
| 11TB1057A | Soil                             | 14.00  | 164.0  | 1.41   | 21.81  | 5.44   | 56.1   | 110    | 9.8    | 16.2   | 1066   | 2.72   | 3.1    | 1.0    | 4.7    | 0.7    | 35.6   | 0.11   | 0.26   | 0.05   |
| 11TB1058A | Soil                             | 14.00  | 96.00  | 0.81   | 24.83  | 7.51   | 33.6   | 248    | 13.4   | 8.4    | 108    | 1.62   | 2.9    | 0.6    | 2.9    | <0.1   | 40.3   | 0.82   | 0.29   | 0.13   |
| 11TB1059A | Soil                             | 13.00  | 121.0  | 0.98   | 21.58  | 6.25   | 36.1   | 118    | 12.0   | 5.0    | 153    | 1.77   | 4.1    | 0.7    | 3.8    | <0.1   | 36.7   | 0.52   | 0.31   | 0.13   |
| 11TB1060A | Soil                             | 20.00  | 113.0  | 0.82   | 13.07  | 4.74   | 37.9   | 64     | 12.0   | 5.8    | 178    | 1.56   | 3.4    | 0.6    | 3.0    | 0.6    | 31.9   | 0.21   | 0.29   | 0.06   |
| 11TB1061A | Soil                             | 41.00  | 158.0  | 0.68   | 16.93  | 5.91   | 49.1   | 47     | 15.7   | 8.2    | 255    | 2.06   | 4.7    | 0.7    | 3.4    | 1.1    | 32.9   | 0.23   | 0.33   | 0.07   |
| 11TB1062A | Soil                             | 53.00  | 135.0  | 0.73   | 16.67  | 6.14   | 65.6   | 51     | 17.1   | 8.9    | 381    | 2.14   | 6.6    | 0.5    | 3.3    | 2.5    | 31.0   | 0.69   | 0.43   | 0.06   |
| 11TB1063A | Soil                             | 8.000  | 50.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1064A | Soil                             | 6.000  | 89.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1065A | Soil                             | 14.00  | 108.0  | 1.02   | 23.79  | 5.14   | 57.7   | 314    | 14.3   | 9.0    | 348    | 1.83   | 2.3    | 0.9    | 5.5    | 0.4    | 44.1   | 0.75   | 0.31   | 0.10   |
| 11TB1066A | Soil                             | 7.000  | 66.00  | 0.84   | 17.38  | 2.60   | 36.5   | 229    | 7.5    | 4.4    | 397    | 0.89   | 0.5    | 0.4    | 5.7    | 0.2    | 63.4   | 0.47   | 0.26   | <0.02  |
| 11TB1067A | Soil                             | 7.000  | 88.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1068A | Soil                             | 194.0  | 351.0  | 1.48   | 16.65  | 5.09   | 86.0   | 254    | 14.0   | 10.5   | 466    | 3.23   | 3.2    | 0.6    | 2.0    | 2.6    | 24.1   | 0.20   | 0.23   | 0.05   |
| 11TB1069A | Soil                             | 7.000  | 104.0  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1070A | Soil                             | 8.000  | 111.0  | 1.82   | 18.98  | 4.33   | 37.2   | 925    | 7.0    | 7.4    | 271    | 1.70   | 2.1    | 1.0    | 3.4    | <0.1   | 24.7   | 0.14   | 0.24   | <0.02  |
| 11TB1071A | Soil                             | 6.000  | 94.00  | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |



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Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Ca     | P      | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | %      | %      | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.01   | 0.001  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB1010A | Soil                             | 2.77   | 0.104  | 3.8    | 8.3    | 0.35   | 1693   | 0.017  | 5      | 0.55   | 0.016  | 0.05   | <0.1   | 1.7    | 0.16   | 0.19   | 79     | 0.6    | 0.06   |
| 11CB1011A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1012A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1013A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1014A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1015A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1016A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB1017A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB1050A | Soil                             | 2.43   | 0.201  | 6.6    | 13.0   | 0.16   | 692.8  | 0.034  | 1      | 0.78   | 0.018  | 0.14   | <0.1   | 1.8    | 0.09   | 0.02   | 14     | 0.1    | 0.03   |
| 11TB1051A | Soil                             | 1.46   | 0.285  | 2.4    | 5.1    | 0.13   | 383.2  | 0.006  | 4      | 0.52   | 0.021  | 0.13   | <0.1   | 0.5    | 0.12   | 0.05   | 54     | 0.2    | 0.04   |
| 11TB1052A | Soil                             | 0.09   | 0.077  | 5.1    | 10.5   | 0.07   | 153.5  | 0.014  | <1     | 0.57   | 0.017  | 0.04   | <0.1   | 0.3    | 0.08   | 0.03   | 42     | 0.2    | 0.03   |
| 11TB1053A | Soil                             | 1.31   | 0.212  | 5.4    | 11.8   | 0.17   | 325.6  | 0.020  | 2      | 0.73   | 0.022  | 0.11   | <0.1   | 0.9    | 0.09   | 0.04   | 55     | 0.2    | 0.05   |
| 11TB1054A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1055A | Soil                             | 0.48   | 0.084  | 8.2    | 17.6   | 0.46   | 184.5  | 0.056  | 1      | 1.28   | 0.015  | 0.05   | 0.1    | 2.5    | 0.08   | 0.04   | 61     | 0.2    | 0.04   |
| 11TB1056A | Soil                             | 0.37   | 0.064  | 9.7    | 20.0   | 0.41   | 198.1  | 0.048  | <1     | 1.35   | 0.014  | 0.05   | 0.1    | 2.4    | 0.09   | 0.04   | 50     | 0.2    | 0.04   |
| 11TB1057A | Soil                             | 0.45   | 0.097  | 12.0   | 16.3   | 0.46   | 218.6  | 0.046  | <1     | 1.40   | 0.014  | 0.05   | 0.1    | 3.5    | 0.11   | 0.04   | 30     | 0.3    | 0.05   |
| 11TB1058A | Soil                             | 0.31   | 0.095  | 9.4    | 16.2   | 0.24   | 332.7  | 0.020  | 1      | 1.09   | 0.016  | 0.07   | <0.1   | 0.9    | 0.08   | 0.04   | 93     | 0.4    | 0.05   |
| 11TB1059A | Soil                             | 0.28   | 0.073  | 7.7    | 20.2   | 0.27   | 236.2  | 0.039  | 1      | 1.32   | 0.014  | 0.10   | 0.1    | 1.4    | 0.10   | 0.05   | 86     | 0.3    | 0.05   |
| 11TB1060A | Soil                             | 0.41   | 0.066  | 7.4    | 18.4   | 0.35   | 169.5  | 0.051  | 2      | 1.07   | 0.017  | 0.05   | 0.2    | 2.1    | 0.07   | 0.05   | 70     | 0.2    | 0.02   |
| 11TB1061A | Soil                             | 0.43   | 0.061  | 9.7    | 24.1   | 0.45   | 207.7  | 0.061  | 1      | 1.39   | 0.017  | 0.05   | 0.2    | 2.6    | 0.09   | 0.03   | 48     | 0.2    | 0.04   |
| 11TB1062A | Soil                             | 0.48   | 0.063  | 10.1   | 25.1   | 0.50   | 165.4  | 0.068  | 2      | 1.23   | 0.028  | 0.08   | 0.1    | 3.0    | 0.09   | 0.02   | 31     | 0.3    | 0.03   |
| 11TB1063A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1064A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1065A | Soil                             | 0.96   | 0.104  | 19.5   | 16.6   | 0.38   | 709.2  | 0.046  | 2      | 1.19   | 0.013  | 0.11   | <0.1   | 3.3    | 0.12   | 0.08   | 133    | 0.5    | 0.05   |
| 11TB1066A | Soil                             | 1.47   | 0.083  | 14.5   | 8.4    | 0.25   | 540.8  | 0.032  | 2      | 0.56   | 0.019  | 0.07   | <0.1   | 1.5    | 0.10   | 0.13   | 99     | 0.3    | 0.05   |
| 11TB1067A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1068A | Soil                             | 0.40   | 0.087  | 16.2   | 29.0   | 0.75   | 338.4  | 0.147  | <1     | 1.97   | 0.015  | 0.16   | <0.1   | 5.4    | 0.16   | <0.02  | 7      | <0.1   | 0.04   |
| 11TB1069A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB1070A | Soil                             | 0.37   | 0.130  | 10.8   | 12.0   | 0.25   | 323.3  | 0.025  | <1     | 0.74   | 0.013  | 0.10   | <0.1   | 1.6    | 0.11   | 0.10   | 157    | 0.4    | 0.06   |
| 11TB1071A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |



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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte | Unit<br>MDL | SS80   | SS80   | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|-------------------|-------------|--------|--------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
|           |                   |             | -80 Wt | +80 Wt | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   |
|           |                   |             | g      | g      | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  |
|           |                   |             | 0      | 0.01   | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 |
| 11TB1072A | Soil              |             | 4.000  | 98.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1073A | Soil              |             | 9.000  | 108.0  | 1.62 | 39.85 | 8.54  | 98.3  | 2412 | 15.7 | 10.8 | 1984 | 1.50 | 1.5  | 1.1  | 3.7  | 0.2  | 43.9 | 0.98 | 0.24 |
| 11TB1074A | Soil              |             | 7.000  | 90.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1075A | Soil              |             | 22.00  | 132.0  | 1.39 | 20.56 | 5.14  | 36.3  | 619  | 12.4 | 9.4  | 724  | 2.11 | 1.8  | 0.4  | 2.4  | 0.5  | 17.0 | 0.23 | 0.23 |
| 11TB1076A | Soil              |             | 19.00  | 103.0  | 1.02 | 21.10 | 5.66  | 80.6  | 1864 | 10.3 | 12.8 | 4620 | 1.34 | 1.1  | 0.2  | 1.5  | 0.4  | 39.6 | 1.29 | 0.22 |
| 11TB1077A | Soil              |             | 10.000 | 104.0  | 1.28 | 17.18 | 5.85  | 24.0  | 1011 | 10.7 | 7.3  | 360  | 1.55 | 2.9  | 0.2  | 3.5  | 0.4  | 19.0 | 0.52 | 0.32 |
| 11TB1078A | Soil              |             | 2.000  | 77.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1079A | Soil              |             | 67.00  | 197.0  | 0.76 | 14.42 | 6.22  | 73.7  | 1583 | 7.4  | 10.1 | 2943 | 1.50 | 1.5  | 0.2  | 2.3  | 0.7  | 21.1 | 0.91 | 0.21 |
| 11TB1080A | Soil              |             | 27.00  | 180.0  | 0.64 | 15.22 | 5.04  | 101.7 | 1072 | 8.2  | 4.9  | 1703 | 1.12 | 1.2  | 0.2  | 2.6  | 0.5  | 38.2 | 0.84 | 0.21 |
| 11TB1081A | Soil              |             | 18.00  | 134.0  | 0.50 | 13.88 | 4.26  | 42.7  | 854  | 6.7  | 3.3  | 723  | 0.89 | 0.9  | 0.2  | 2.8  | <0.1 | 16.2 | 0.81 | 0.18 |
| 11TB1082A | Soil              |             | 9.000  | 115.0  | 0.65 | 6.72  | 4.40  | 27.4  | 783  | 4.8  | 3.2  | 117  | 1.11 | 1.1  | 0.2  | 5.3  | 0.2  | 10.5 | 0.33 | 0.14 |
| 11TB1083A | Soil              |             | 17.00  | 113.0  | 0.50 | 50.77 | 6.69  | 30.8  | 1570 | 10.1 | 5.2  | 108  | 1.76 | 1.3  | 1.0  | 4.2  | 0.3  | 17.4 | 0.47 | 0.12 |
| 11TB1084A | Soil              |             | 4.000  | 77.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1085A | Soil              |             | 6.000  | 110.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1086A | Soil              |             | 11.00  | 108.0  | 0.96 | 19.53 | 4.31  | 42.6  | 731  | 7.9  | 5.8  | 1018 | 1.39 | 1.5  | 0.5  | 2.9  | 0.6  | 20.4 | 0.46 | 0.21 |
| 11TB1087A | Soil              |             | 31.00  | 112.0  | 0.85 | 19.61 | 59.46 | 106.1 | 906  | 7.2  | 2.5  | 935  | 0.98 | 1.3  | 0.4  | 5.2  | 0.4  | 24.7 | 1.92 | 0.17 |
| 11TB1088A | Soil              |             | 6.000  | 64.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1089A | Soil              |             | 14.00  | 108.0  | 1.01 | 20.60 | 7.18  | 38.3  | 440  | 6.0  | 2.3  | 164  | 0.78 | 0.7  | 0.5  | 2.6  | <0.1 | 23.0 | 1.00 | 0.18 |
| 11TB1090A | Soil              |             | 8.000  | 83.00  | 1.11 | 40.02 | 15.75 | 32.9  | 1260 | 9.8  | 3.6  | 87   | 1.14 | 0.9  | 0.8  | 2.8  | <0.1 | 28.9 | 1.20 | 0.23 |
| 11TB1091A | Soil              |             | 7.000  | 112.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1092A | Soil              |             | 3.000  | 78.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1093A | Soil              |             | 3.000  | 76.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1094A | Soil              |             | 11.00  | 87.00  | 0.57 | 25.82 | 2.64  | 31.0  | 298  | 7.7  | 4.6  | 629  | 0.69 | 0.7  | 1.3  | 4.0  | 0.2  | 86.7 | 0.80 | 0.37 |
| 11TB1095A | Soil              |             | 8.000  | 131.0  | 0.56 | 11.73 | 6.69  | 58.0  | 148  | 8.4  | 6.7  | 558  | 1.75 | 1.7  | 0.7  | 5.3  | 0.8  | 54.6 | 0.36 | 0.31 |
| 11TB1096A | Soil              |             | 6.000  | 64.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1097A | Soil              |             | 29.00  | 161.0  | 0.60 | 26.13 | 5.55  | 45.9  | 90   | 15.8 | 6.7  | 368  | 1.71 | 4.0  | 0.6  | 2.9  | 0.7  | 71.9 | 0.23 | 0.45 |
| 11TB1098A | Soil              |             | 60.00  | 161.0  | 0.67 | 24.74 | 6.66  | 70.6  | 38   | 19.4 | 8.0  | 265  | 2.05 | 5.8  | 0.7  | 2.4  | 1.6  | 63.4 | 1.06 | 0.45 |
| 11TB1099A | Soil              |             | 25.00  | 118.0  | 0.85 | 25.84 | 5.32  | 53.9  | 115  | 18.1 | 7.2  | 282  | 1.61 | 4.3  | 0.5  | 1.8  | 0.6  | 66.4 | 0.93 | 0.51 |
| 11TB1100A | Soil              |             | 17.00  | 122.0  | 1.07 | 24.45 | 4.53  | 49.1  | 119  | 15.3 | 6.6  | 394  | 1.27 | 3.4  | 0.4  | 2.4  | 0.3  | 69.0 | 0.80 | 0.64 |
| 11DS1111A | Soil              |             | 9.000  | 112.0  | 0.51 | 19.98 | 3.80  | 26.3  | 187  | 10.1 | 2.4  | 139  | 0.75 | 0.7  | 0.3  | 1.7  | <0.1 | 19.7 | 0.39 | 0.19 |



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Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | Ca   | P     | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | %    | %     | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.01 | 0.001 | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11TB1072A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1073A | Soil                             | 0.68 | 0.140 | 14.9 | 15.3 | 0.29 | 455.0 | 0.044 | 1    | 0.85 | 0.018 | 0.12 | <0.1 | 2.3  | 0.14 | 0.06  | 114  | 0.4  | 0.06  |
| 11TB1074A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1075A | Soil                             | 0.26 | 0.053 | 8.2  | 24.5 | 0.43 | 211.4 | 0.089 | <1   | 1.06 | 0.017 | 0.07 | 0.1  | 3.1  | 0.11 | 0.04  | 82   | 0.2  | 0.06  |
| 11TB1076A | Soil                             | 0.74 | 0.078 | 4.7  | 15.0 | 0.28 | 607.0 | 0.061 | 1    | 0.66 | 0.019 | 0.12 | <0.1 | 1.5  | 0.13 | 0.04  | 91   | 0.2  | 0.04  |
| 11TB1077A | Soil                             | 0.25 | 0.050 | 5.5  | 17.0 | 0.23 | 275.2 | 0.058 | <1   | 0.83 | 0.015 | 0.05 | 0.1  | 1.6  | 0.11 | 0.03  | 80   | 0.2  | 0.05  |
| 11TB1078A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1079A | Soil                             | 0.33 | 0.137 | 4.4  | 11.2 | 0.21 | 446.8 | 0.055 | 1    | 0.64 | 0.016 | 0.15 | <0.1 | 2.1  | 0.09 | <0.02 | 15   | 0.1  | <0.02 |
| 11TB1080A | Soil                             | 0.89 | 0.098 | 3.7  | 9.8  | 0.20 | 465.0 | 0.054 | 2    | 0.45 | 0.015 | 0.18 | <0.1 | 2.0  | 0.06 | 0.02  | 36   | 0.1  | <0.02 |
| 11TB1081A | Soil                             | 0.26 | 0.060 | 3.4  | 8.1  | 0.11 | 343.5 | 0.025 | 1    | 0.35 | 0.013 | 0.09 | <0.1 | 0.8  | 0.07 | 0.03  | 48   | <0.1 | <0.02 |
| 11TB1082A | Soil                             | 0.13 | 0.052 | 3.1  | 9.7  | 0.25 | 139.4 | 0.067 | 3    | 0.54 | 0.013 | 0.15 | <0.1 | 1.3  | 0.12 | 0.04  | 49   | 0.3  | <0.02 |
| 11TB1083A | Soil                             | 0.27 | 0.053 | 13.6 | 16.2 | 0.30 | 216.3 | 0.045 | <1   | 0.94 | 0.013 | 0.12 | <0.1 | 2.2  | 0.11 | 0.04  | 69   | 0.2  | 0.03  |
| 11TB1084A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1085A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1086A | Soil                             | 0.74 | 0.077 | 13.4 | 16.0 | 0.39 | 271.3 | 0.046 | <1   | 0.67 | 0.014 | 0.11 | <0.1 | 2.8  | 0.08 | 0.05  | 66   | <0.1 | 0.03  |
| 11TB1087A | Soil                             | 0.64 | 0.155 | 7.2  | 10.0 | 0.14 | 265.0 | 0.034 | 1    | 0.49 | 0.014 | 0.13 | <0.1 | 2.5  | 0.03 | 0.02  | 20   | <0.1 | <0.02 |
| 11TB1088A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1089A | Soil                             | 0.49 | 0.062 | 6.2  | 8.8  | 0.12 | 159.8 | 0.013 | <1   | 0.37 | 0.013 | 0.06 | <0.1 | 0.6  | 0.04 | 0.05  | 75   | <0.1 | <0.02 |
| 11TB1090A | Soil                             | 0.44 | 0.091 | 14.1 | 8.7  | 0.12 | 235.4 | 0.014 | 1    | 0.56 | 0.015 | 0.05 | <0.1 | 1.1  | 0.03 | 0.06  | 123  | 0.2  | <0.02 |
| 11TB1091A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1092A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1093A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1094A | Soil                             | 2.16 | 0.132 | 27.2 | 7.0  | 0.14 | 815.5 | 0.013 | 3    | 0.55 | 0.017 | 0.03 | <0.1 | 1.6  | 0.09 | 0.15  | 137  | 0.5  | <0.02 |
| 11TB1095A | Soil                             | 0.89 | 0.075 | 10.3 | 14.4 | 0.42 | 319.3 | 0.040 | <1   | 1.15 | 0.014 | 0.06 | <0.1 | 3.4  | 0.11 | 0.06  | 88   | 0.3  | <0.02 |
| 11TB1096A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1097A | Soil                             | 1.46 | 0.074 | 7.9  | 20.0 | 0.41 | 277.1 | 0.038 | 2    | 1.13 | 0.015 | 0.07 | 0.1  | 2.1  | 0.08 | 0.07  | 45   | 0.3  | 0.03  |
| 11TB1098A | Soil                             | 1.14 | 0.076 | 8.9  | 23.4 | 0.49 | 281.9 | 0.051 | 2    | 1.24 | 0.022 | 0.07 | 0.1  | 2.8  | 0.07 | 0.03  | 36   | 0.4  | 0.02  |
| 11TB1099A | Soil                             | 1.29 | 0.077 | 8.3  | 17.6 | 0.37 | 312.0 | 0.035 | 2    | 0.95 | 0.019 | 0.06 | 0.1  | 1.9  | 0.05 | 0.07  | 75   | 0.4  | 0.02  |
| 11TB1100A | Soil                             | 1.28 | 0.099 | 7.9  | 14.0 | 0.30 | 261.3 | 0.022 | 2    | 0.74 | 0.014 | 0.05 | 0.1  | 1.4  | 0.06 | 0.09  | 83   | 0.4  | 0.03  |
| 11DS1111A | Soil                             | 0.12 | 0.088 | 3.4  | 8.7  | 0.04 | 214.2 | 0.006 | <1   | 0.40 | 0.016 | 0.07 | <0.1 | 0.3  | 0.04 | 0.05  | 75   | 0.3  | 0.04  |



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Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | SS80   | SS80   | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|--------|--------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|
|           |                                  | -80 Wt | +80 Wt | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   |
|           |                                  | g      | g      | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  |
|           |                                  | 0      | 0.01   | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 |
| 11DS1112A | Soil                             | 20.00  | 164.0  | 0.55 | 12.69 | 3.13  | 23.7  | 273  | 6.4  | 3.7  | 117  | 1.09 | 1.5  | 0.3  | 1.5  | 0.2  | 17.3  | 0.18 | 0.16 | 0.09 |
| 11DS1113A | Soil                             | 14.00  | 145.0  | 0.55 | 15.06 | 3.90  | 47.6  | 163  | 6.8  | 1.9  | 178  | 0.76 | 1.1  | 0.2  | 1.3  | <0.1 | 16.3  | 0.43 | 0.19 | 0.11 |
| 11DS1114A | Soil                             | 8.000  | 89.00  | 0.26 | 13.03 | 1.96  | 41.6  | 224  | 6.0  | 3.3  | 314  | 0.75 | 0.7  | 0.6  | 2.4  | 0.1  | 95.4  | 0.32 | 0.26 | 0.08 |
| 11DS1115A | Soil                             | 8.000  | 102.0  | 0.57 | 24.05 | 3.60  | 26.7  | 355  | 8.4  | 2.6  | 83   | 0.67 | 0.7  | 0.5  | 1.9  | <0.1 | 30.3  | 0.45 | 0.15 | 0.08 |
| 11DS1116A | Soil                             | 4.000  | 91.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1117A | Soil                             | 21.00  | 146.0  | 0.85 | 17.28 | 3.48  | 19.2  | 749  | 7.5  | 2.6  | 120  | 1.00 | 1.4  | 0.3  | 0.7  | <0.1 | 14.5  | 0.49 | 0.20 | 0.10 |
| 11DS1118A | Soil                             | 10.000 | 104.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1119A | Soil                             | 9.000  | 107.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1120A | Soil                             | 3.000  | 95.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1121A | Soil                             | 5.000  | 100.00 | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1122A | Soil                             | 7.000  | 110.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1123A | Soil                             | 5.000  | 103.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1124A | Soil                             | 10.000 | 106.0  | 0.66 | 10.19 | 4.23  | 38.4  | 188  | 7.3  | 6.6  | 261  | 2.06 | 2.5  | 0.8  | 2.7  | 0.8  | 18.0  | 0.12 | 0.20 | 0.41 |
| 11DS1125A | Soil                             | 6.000  | 86.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1126A | Soil                             | 3.000  | 79.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1127A | Soil                             | 3.000  | 131.0  | 1.20 | 28.04 | 5.11  | 89.3  | 1086 | 20.1 | 19.3 | 6591 | 1.06 | 1.5  | 0.7  | 1.2  | <0.1 | 41.8  | 1.31 | 0.19 | 0.17 |
| 11DS1128A | Soil                             | 7.000  | 121.0  | 1.97 | 32.68 | 5.53  | 48.3  | 1327 | 15.7 | 21.7 | 4513 | 1.18 | 1.7  | 0.9  | 1.9  | <0.1 | 34.4  | 0.91 | 0.21 | 0.14 |
| 11DS1129A | Soil                             | 5.000  | 87.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1130A | Soil                             | 11.00  | 100.00 | 0.53 | 15.89 | 2.29  | 41.5  | 166  | 7.2  | 4.5  | 331  | 1.08 | 1.5  | 0.4  | 1.1  | 0.4  | 83.0  | 0.42 | 0.32 | 0.21 |
| 11DS1131A | Soil                             | 27.00  | 112.0  | 1.35 | 15.11 | 8.92  | 218.2 | 735  | 10.3 | 7.0  | 3535 | 1.23 | 2.0  | 0.3  | 2.4  | 0.4  | 78.5  | 4.95 | 0.19 | 0.10 |
| 11DS1132A | Soil                             | 35.00  | 154.0  | 0.75 | 23.55 | 17.26 | 69.9  | 191  | 9.9  | 7.8  | 582  | 2.00 | 2.3  | 1.1  | 2.1  | 1.0  | 69.6  | 0.76 | 0.34 | 0.20 |
| 11DS1133A | Soil                             | 40.00  | 179.0  | 0.72 | 20.05 | 8.48  | 54.6  | 124  | 13.4 | 8.4  | 934  | 2.08 | 3.2  | 1.0  | 1.4  | 1.4  | 53.2  | 0.48 | 0.32 | 0.12 |
| 11DS1134A | Soil                             | 8.000  | 103.0  | 0.75 | 15.33 | 3.37  | 57.3  | 190  | 8.1  | 3.2  | 2050 | 0.76 | 0.8  | 0.3  | 1.4  | 0.1  | 61.0  | 1.27 | 0.20 | 0.07 |
| 11DS1135A | Soil                             | 11.00  | 119.0  | 0.77 | 13.77 | 5.32  | 81.4  | 308  | 9.7  | 7.8  | 2417 | 1.09 | 1.8  | 0.3  | 0.9  | 0.2  | 85.2  | 0.99 | 0.20 | 0.14 |
| 11DS1136A | Soil                             | 8.000  | 118.0  | 0.87 | 19.16 | 3.82  | 29.0  | 246  | 9.3  | 4.1  | 286  | 0.75 | 1.0  | 0.3  | 0.6  | <0.1 | 47.9  | 1.27 | 0.18 | 0.12 |
| 11DS1137A | Soil                             | 7.000  | 124.0  | 1.00 | 22.77 | 6.00  | 25.9  | 285  | 9.3  | 3.8  | 92   | 1.66 | 2.8  | 1.3  | 1.1  | 0.5  | 46.4  | 0.59 | 0.27 | 0.14 |
| 11DS1138A | Soil                             | 6.000  | 117.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11DS1139A | Soil                             | 11.00  | 108.0  | 0.36 | 24.07 | 5.92  | 45.1  | 333  | 13.5 | 7.5  | 288  | 1.21 | 1.6  | 1.3  | 0.3  | <0.1 | 76.8  | 0.66 | 0.38 | 0.13 |
| 11DS1140A | Soil                             | 20.00  | 124.0  | 0.60 | 20.08 | 4.03  | 52.2  | 127  | 13.8 | 7.7  | 922  | 1.62 | 2.4  | 1.7  | 3.9  | 0.8  | 136.0 | 0.24 | 0.46 | 0.11 |
| 11DS1141A | Soil                             | 25.00  | 123.0  | 0.57 | 20.79 | 4.25  | 48.9  | 151  | 13.4 | 9.1  | 1121 | 1.66 | 2.8  | 1.8  | 2.0  | 0.6  | 116.0 | 0.22 | 0.44 | 0.08 |



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Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | Ca   | P     | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | %    | %     | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.01 | 0.001 | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11DS1112A | Soil                             | 0.14 | 0.085 | 4.0  | 9.3  | 0.22 | 151.7 | 0.045 | <1   | 0.59 | 0.010 | 0.14 | <0.1 | 1.4  | 0.07 | 0.08 | 78   | 0.3  | 0.04  |
| 11DS1113A | Soil                             | 0.21 | 0.068 | 2.9  | 8.3  | 0.07 | 181.8 | 0.007 | <1   | 0.36 | 0.011 | 0.06 | <0.1 | 0.3  | 0.04 | 0.04 | 58   | 0.2  | <0.02 |
| 11DS1114A | Soil                             | 1.56 | 0.071 | 12.3 | 8.2  | 0.29 | 446.0 | 0.030 | 3    | 0.61 | 0.012 | 0.06 | <0.1 | 1.5  | 0.07 | 0.11 | 84   | 0.1  | <0.02 |
| 11DS1115A | Soil                             | 0.32 | 0.090 | 7.4  | 6.3  | 0.08 | 315.5 | 0.010 | <1   | 0.36 | 0.014 | 0.06 | <0.1 | 0.5  | 0.04 | 0.08 | 134  | 0.3  | <0.02 |
| 11DS1116A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1117A | Soil                             | 0.12 | 0.065 | 4.0  | 8.9  | 0.09 | 181.6 | 0.024 | <1   | 0.50 | 0.013 | 0.06 | <0.1 | 0.7  | 0.04 | 0.04 | 116  | 0.2  | 0.02  |
| 11DS1118A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1119A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1120A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1121A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1122A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1123A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1124A | Soil                             | 0.22 | 0.081 | 16.6 | 13.6 | 0.34 | 247.8 | 0.067 | 2    | 1.06 | 0.009 | 0.10 | 0.1  | 2.4  | 0.11 | 0.06 | 86   | 0.3  | <0.02 |
| 11DS1125A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1126A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1127A | Soil                             | 0.55 | 0.097 | 13.6 | 10.4 | 0.23 | 812.7 | 0.019 | 1    | 0.58 | 0.014 | 0.09 | <0.1 | 1.0  | 0.07 | 0.06 | 115  | 0.3  | 0.03  |
| 11DS1128A | Soil                             | 0.47 | 0.116 | 16.5 | 11.4 | 0.27 | 648.0 | 0.026 | 1    | 0.66 | 0.014 | 0.10 | <0.1 | 2.1  | 0.06 | 0.07 | 107  | 0.3  | 0.02  |
| 11DS1129A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1130A | Soil                             | 2.48 | 0.076 | 6.4  | 9.7  | 0.39 | 301.9 | 0.032 | 4    | 0.71 | 0.013 | 0.06 | 0.1  | 1.6  | 0.04 | 0.12 | 99   | 0.4  | <0.02 |
| 11DS1131A | Soil                             | 1.94 | 0.117 | 9.4  | 12.3 | 0.42 | 707.5 | 0.027 | 5    | 0.75 | 0.011 | 0.13 | <0.1 | 1.6  | 0.06 | 0.13 | 115  | 0.3  | 0.02  |
| 11DS1132A | Soil                             | 2.00 | 0.084 | 24.2 | 16.2 | 0.41 | 806.5 | 0.014 | <1   | 1.16 | 0.010 | 0.05 | <0.1 | 4.1  | 0.08 | 0.08 | 90   | 0.5  | 0.05  |
| 11DS1133A | Soil                             | 1.36 | 0.084 | 14.0 | 19.2 | 0.47 | 786.2 | 0.020 | 1    | 1.40 | 0.014 | 0.08 | <0.1 | 3.6  | 0.05 | 0.06 | 80   | 0.4  | <0.02 |
| 11DS1134A | Soil                             | 1.09 | 0.091 | 7.1  | 6.3  | 0.22 | 828.0 | 0.018 | 4    | 0.44 | 0.013 | 0.11 | <0.1 | 0.9  | 0.04 | 0.06 | 107  | 0.4  | <0.02 |
| 11DS1135A | Soil                             | 1.52 | 0.109 | 7.3  | 10.1 | 0.30 | 841.5 | 0.026 | 4    | 0.77 | 0.012 | 0.12 | 0.1  | 1.2  | 0.06 | 0.10 | 120  | 0.2  | <0.02 |
| 11DS1136A | Soil                             | 0.25 | 0.152 | 4.7  | 7.6  | 0.11 | 640.8 | 0.003 | <1   | 0.43 | 0.018 | 0.10 | <0.1 | 0.4  | 0.05 | 0.05 | 91   | 0.4  | <0.02 |
| 11DS1137A | Soil                             | 0.39 | 0.127 | 36.8 | 15.1 | 0.17 | 454.8 | 0.029 | <1   | 1.20 | 0.010 | 0.09 | 0.1  | 2.0  | 0.05 | 0.10 | 138  | 0.5  | 0.03  |
| 11DS1138A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1139A | Soil                             | 1.51 | 0.111 | 29.3 | 11.8 | 0.23 | 450.5 | 0.015 | 2    | 0.99 | 0.013 | 0.05 | <0.1 | 1.0  | 0.05 | 0.09 | 142  | 0.6  | <0.02 |
| 11DS1140A | Soil                             | 2.39 | 0.105 | 28.3 | 14.7 | 0.38 | 394.1 | 0.024 | 3    | 1.21 | 0.014 | 0.08 | <0.1 | 2.9  | 0.06 | 0.11 | 87   | 0.5  | <0.02 |
| 11DS1141A | Soil                             | 1.96 | 0.108 | 31.0 | 15.2 | 0.36 | 350.7 | 0.023 | 2    | 1.24 | 0.015 | 0.08 | <0.1 | 3.1  | 0.07 | 0.10 | 88   | 0.6  | <0.02 |



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Report Date: November 09, 2011

Page: 5 of 11 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte | Unit<br>MDL | SS80   | SS80   | 1F15 | 1F15  | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 |
|-----------|-------------------|-------------|--------|--------|------|-------|------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|
|           |                   |             | -80 Wt | +80 Wt | Mo   | Cu    | Pb   | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   |
|           |                   |             | g      | g      | ppm  | ppm   | ppm  | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  |
|           |                   |             | 0      | 0.01   | 0.01 | 0.01  | 0.01 | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 |
| 11DS1142A | Soil              |             | 37.00  | 107.0  | 0.65 | 20.99 | 6.09 | 69.6  | 92   | 17.2 | 7.8  | 465  | 1.91 | 5.0  | 0.6  | 1.3  | 1.3  | 60.3  | 0.62 | 0.46 |
| 11DS1143A | Soil              |             | 5.000  | 103.0  | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. |
| 11DS1144A | Soil              |             | 6.000  | 91.00  | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. |
| 11DS1145A | Soil              |             | 4.000  | 108.0  | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. |
| 11DS1146A | Soil              |             | 10.000 | 111.0  | 0.76 | 20.69 | 5.45 | 77.4  | 618  | 14.4 | 12.5 | 4181 | 0.79 | 1.6  | 0.4  | 0.4  | <0.1 | 43.7  | 2.26 | 0.21 |
| 11DS1147A | Soil              |             | 5.000  | 117.0  | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. |
| 11DS1148A | Soil              |             | 10.000 | 96.00  | 1.02 | 17.36 | 5.88 | 64.5  | 855  | 8.2  | 3.0  | 1167 | 0.56 | 1.3  | 0.2  | 1.7  | <0.1 | 28.6  | 1.30 | 0.18 |
| 11DS1149A | Soil              |             | 28.00  | 136.0  | 0.77 | 23.65 | 5.78 | 113.1 | 608  | 11.8 | 9.0  | 2853 | 0.63 | 1.0  | 0.2  | <0.2 | 0.1  | 45.9  | 2.11 | 0.14 |
| 11DS1150A | Soil              |             | 29.00  | 114.0  | 0.85 | 18.59 | 5.02 | 48.1  | 515  | 12.7 | 7.4  | 1730 | 0.77 | 1.4  | 0.2  | <0.2 | <0.1 | 30.1  | 2.08 | 0.19 |
| 11DS1151A | Soil              |             | 28.00  | 106.0  | 1.22 | 26.37 | 6.73 | 45.3  | 1118 | 15.6 | 5.1  | 301  | 0.88 | 1.4  | 0.6  | 1.2  | <0.1 | 47.5  | 1.27 | 0.23 |
| 11DS1152A | Soil              |             | 21.00  | 109.0  | 1.41 | 20.02 | 3.99 | 35.5  | 427  | 24.1 | 10.2 | 781  | 1.13 | 2.0  | 0.4  | 1.0  | <0.1 | 44.7  | 0.48 | 0.27 |
| 11DS1153A | Soil              |             | 23.00  | 127.0  | 1.18 | 14.15 | 4.32 | 17.4  | 629  | 6.6  | 2.0  | 33   | 0.68 | 1.7  | 0.3  | <0.2 | <0.1 | 20.0  | 0.35 | 0.17 |
| 11DS1154A | Soil              |             | 14.00  | 100.00 | 1.50 | 13.40 | 3.87 | 28.6  | 1438 | 6.9  | 3.1  | 48   | 0.58 | 1.6  | 0.3  | 2.5  | <0.1 | 22.9  | 0.48 | 0.17 |
| 11DS1155A | Soil              |             | 18.00  | 124.0  | 1.10 | 23.17 | 6.27 | 29.5  | 462  | 11.8 | 3.1  | 88   | 0.73 | 1.5  | 0.5  | 0.6  | <0.1 | 26.8  | 0.81 | 0.17 |
| 11DS1156A | Soil              |             | 25.00  | 108.0  | 1.22 | 31.53 | 6.76 | 33.6  | 973  | 14.9 | 3.8  | 51   | 0.75 | 1.6  | 0.7  | 0.3  | <0.1 | 31.3  | 1.02 | 0.18 |
| 11DS1157A | Soil              |             | 28.00  | 102.0  | 1.56 | 23.23 | 6.95 | 31.7  | 1628 | 14.3 | 4.5  | 119  | 1.63 | 2.4  | 1.0  | 0.5  | 0.1  | 29.4  | 0.61 | 0.25 |
| 11DS1158A | Soil              |             | 20.00  | 81.00  | 1.22 | 16.21 | 4.15 | 24.8  | 583  | 7.0  | 2.9  | 125  | 0.78 | 1.4  | 1.4  | 0.5  | 0.4  | 49.0  | 0.24 | 0.24 |
| 11DS1159A | Soil              |             | 22.00  | 99.00  | 0.97 | 10.69 | 4.00 | 33.9  | 307  | 5.9  | 3.3  | 207  | 0.86 | 1.5  | 1.8  | 0.5  | <0.1 | 126.4 | 0.51 | 0.19 |
| 11DS1160A | Soil              |             | 33.00  | 94.00  | 0.52 | 11.58 | 3.21 | 10.9  | 310  | 6.1  | 3.7  | 30   | 0.79 | 1.0  | 1.9  | 6.0  | 0.3  | 160.4 | 0.33 | 0.23 |
| 11DS1161A | Soil              |             | 39.00  | 101.0  | 0.57 | 27.51 | 4.70 | 15.3  | 392  | 14.4 | 6.7  | 36   | 0.92 | 1.1  | 1.7  | 2.6  | 0.3  | 146.3 | 0.79 | 0.20 |
| 11DS1162A | Soil              |             | 25.00  | 110.0  | 1.09 | 19.72 | 2.91 | 13.4  | 247  | 9.7  | 2.0  | 38   | 0.69 | 1.0  | 1.3  | 4.9  | 0.2  | 55.4  | 0.34 | 0.20 |
| 11DS1163A | Soil              |             | 26.00  | 106.0  | 0.91 | 20.19 | 3.44 | 26.9  | 413  | 8.8  | 2.6  | 41   | 0.71 | 1.5  | 0.5  | 2.2  | 0.1  | 37.8  | 1.04 | 0.14 |
| 11DS1164A | Soil              |             | 51.00  | 158.0  | 0.85 | 16.83 | 4.97 | 14.9  | 191  | 8.4  | 2.4  | 43   | 0.97 | 2.3  | 0.4  | 1.3  | <0.1 | 21.0  | 0.64 | 0.17 |
| 11DS1165A | Soil              |             | 33.00  | 108.0  | 1.18 | 36.81 | 6.29 | 21.8  | 458  | 12.3 | 4.5  | 39   | 0.93 | 1.7  | 1.1  | 1.2  | 0.2  | 26.7  | 0.54 | 0.24 |
| 11DS1166A | Soil              |             | 40.00  | 138.0  | 0.58 | 23.85 | 6.10 | 9.7   | 114  | 6.7  | 1.9  | 25   | 0.87 | 1.0  | 1.1  | 2.2  | 0.2  | 17.6  | 0.34 | 0.11 |
| 11DS1167A | Soil              |             | 50.00  | 172.0  | 0.59 | 25.16 | 5.01 | 13.4  | 139  | 9.0  | 2.4  | 26   | 0.82 | 1.0  | 1.2  | 1.1  | 0.4  | 23.5  | 0.32 | 0.15 |
| 11CB1018A | Soil              |             | 20.00  | 70.00  | 2.03 | 13.76 | 5.66 | 52.3  | 94   | 13.8 | 7.9  | 197  | 2.30 | 3.8  | 0.6  | 3.0  | 0.7  | 23.3  | 0.12 | 0.21 |
| 11CB1019A | Soil              |             | 33.00  | 112.0  | 1.86 | 16.80 | 5.69 | 58.8  | 477  | 10.2 | 10.6 | 518  | 2.55 | 3.4  | 0.9  | 2.9  | 1.0  | 37.6  | 0.16 | 0.22 |
| 11CB1020A | Soil              |             | 76.00  | 159.0  | 2.96 | 33.36 | 6.17 | 246.5 | 1828 | 15.3 | 15.6 | 7151 | 2.52 | 2.5  | 0.9  | 0.8  | 2.0  | 90.1  | 1.31 | 0.18 |
| 11CB1021A | Soil              |             | 99.00  | 198.0  | 3.61 | 37.10 | 5.91 | 220.9 | 1548 | 16.2 | 13.8 | 3078 | 3.24 | 2.9  | 0.8  | 0.9  | 2.5  | 83.8  | 1.05 | 0.17 |





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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | Ca   | P     | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | %    | %     | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.01 | 0.001 | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11DS1142A | Soil                             | 1.10 | 0.086 | 9.7  | 22.6 | 0.49 | 272.4 | 0.052 | 3    | 1.22 | 0.023 | 0.08 | 0.1  | 2.6  | 0.07 | 0.06 | 50   | 0.4  | 0.03  |
| 11DS1143A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1144A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1145A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1146A | Soil                             | 0.59 | 0.120 | 13.6 | 7.7  | 0.14 | 669.8 | 0.012 | 1    | 0.42 | 0.012 | 0.12 | <0.1 | 0.5  | 0.07 | 0.09 | 116  | 0.3  | <0.02 |
| 11DS1147A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS1148A | Soil                             | 0.35 | 0.200 | 3.4  | 8.0  | 0.10 | 450.1 | 0.003 | 1    | 0.43 | 0.016 | 0.08 | <0.1 | 0.3  | 0.06 | 0.10 | 138  | 0.4  | <0.02 |
| 11DS1149A | Soil                             | 0.56 | 0.101 | 5.6  | 9.1  | 0.11 | 836.6 | 0.004 | <1   | 0.43 | 0.017 | 0.07 | <0.1 | 0.3  | 0.06 | 0.06 | 104  | 0.3  | <0.02 |
| 11DS1150A | Soil                             | 0.30 | 0.119 | 4.1  | 10.2 | 0.10 | 596.0 | 0.003 | <1   | 0.57 | 0.012 | 0.07 | <0.1 | 0.2  | 0.05 | 0.06 | 92   | 0.3  | <0.02 |
| 11DS1151A | Soil                             | 0.69 | 0.193 | 9.6  | 9.1  | 0.11 | 539.9 | 0.001 | 1    | 0.65 | 0.015 | 0.07 | <0.1 | 0.4  | 0.05 | 0.10 | 161  | 0.4  | <0.02 |
| 11DS1152A | Soil                             | 0.49 | 0.159 | 5.8  | 17.1 | 0.21 | 453.1 | 0.007 | <1   | 0.75 | 0.017 | 0.08 | <0.1 | 0.3  | 0.12 | 0.10 | 92   | 0.4  | <0.02 |
| 11DS1153A | Soil                             | 0.18 | 0.125 | 3.2  | 12.2 | 0.04 | 149.7 | 0.002 | <1   | 0.44 | 0.014 | 0.04 | <0.1 | 0.2  | 0.03 | 0.07 | 90   | 0.3  | <0.02 |
| 11DS1154A | Soil                             | 0.20 | 0.124 | 3.7  | 8.5  | 0.06 | 202.2 | 0.003 | <1   | 0.44 | 0.015 | 0.07 | <0.1 | 0.2  | 0.04 | 0.09 | 128  | 0.3  | <0.02 |
| 11DS1155A | Soil                             | 0.19 | 0.125 | 9.9  | 8.8  | 0.07 | 260.5 | 0.002 | <1   | 0.48 | 0.016 | 0.08 | <0.1 | 0.2  | 0.02 | 0.08 | 119  | 0.2  | <0.02 |
| 11DS1156A | Soil                             | 0.13 | 0.122 | 17.8 | 9.1  | 0.06 | 430.3 | 0.002 | <1   | 0.62 | 0.015 | 0.06 | <0.1 | 0.2  | 0.03 | 0.08 | 159  | 0.3  | 0.02  |
| 11DS1157A | Soil                             | 0.32 | 0.115 | 23.1 | 12.7 | 0.14 | 361.3 | 0.009 | <1   | 1.04 | 0.009 | 0.09 | <0.1 | 0.4  | 0.05 | 0.08 | 136  | 0.3  | <0.02 |
| 11DS1158A | Soil                             | 0.56 | 0.133 | 67.8 | 7.1  | 0.09 | 452.0 | 0.010 | 1    | 0.62 | 0.010 | 0.07 | <0.1 | 1.0  | 0.04 | 0.14 | 158  | 0.6  | <0.02 |
| 11DS1159A | Soil                             | 2.17 | 0.099 | 12.2 | 8.3  | 0.20 | 250.3 | 0.004 | 2    | 0.60 | 0.013 | 0.04 | <0.1 | 0.3  | 0.04 | 0.12 | 157  | 0.4  | <0.02 |
| 11DS1160A | Soil                             | 2.61 | 0.076 | 28.7 | 5.5  | 0.24 | 182.3 | 0.011 | 2    | 0.55 | 0.016 | 0.02 | 0.1  | 1.1  | 0.07 | 0.15 | 119  | 0.4  | <0.02 |
| 11DS1161A | Soil                             | 2.24 | 0.075 | 30.3 | 6.8  | 0.22 | 211.6 | 0.007 | 2    | 0.58 | 0.019 | 0.03 | <0.1 | 0.8  | 0.06 | 0.11 | 119  | 0.2  | <0.02 |
| 11DS1162A | Soil                             | 0.46 | 0.096 | 49.2 | 6.4  | 0.09 | 416.6 | 0.006 | 2    | 0.49 | 0.018 | 0.06 | <0.1 | 0.6  | 0.04 | 0.11 | 124  | 0.3  | <0.02 |
| 11DS1163A | Soil                             | 0.28 | 0.077 | 18.5 | 10.4 | 0.07 | 392.8 | 0.013 | 2    | 0.54 | 0.014 | 0.04 | <0.1 | 0.7  | 0.04 | 0.09 | 75   | 0.2  | <0.02 |
| 11DS1164A | Soil                             | 0.10 | 0.060 | 6.3  | 13.9 | 0.07 | 187.4 | 0.018 | <1   | 0.55 | 0.016 | 0.04 | 0.1  | 0.5  | 0.04 | 0.06 | 69   | 0.3  | <0.02 |
| 11DS1165A | Soil                             | 0.13 | 0.083 | 66.6 | 11.4 | 0.08 | 350.8 | 0.006 | 1    | 0.61 | 0.014 | 0.06 | <0.1 | 0.5  | 0.04 | 0.06 | 116  | 0.2  | <0.02 |
| 11DS1166A | Soil                             | 0.06 | 0.071 | 27.9 | 10.2 | 0.04 | 243.1 | 0.006 | 1    | 0.63 | 0.025 | 0.04 | <0.1 | 0.6  | 0.04 | 0.05 | 64   | 0.2  | 0.03  |
| 11DS1167A | Soil                             | 0.11 | 0.073 | 32.6 | 10.8 | 0.04 | 249.0 | 0.005 | <1   | 0.64 | 0.021 | 0.04 | <0.1 | 0.6  | 0.03 | 0.06 | 46   | 0.3  | <0.02 |
| 11CB1018A | Soil                             | 0.37 | 0.073 | 8.5  | 23.8 | 0.49 | 221.1 | 0.068 | 1    | 1.37 | 0.019 | 0.06 | 0.1  | 2.4  | 0.11 | 0.06 | 57   | 0.1  | 0.03  |
| 11CB1019A | Soil                             | 0.43 | 0.084 | 12.8 | 20.6 | 0.58 | 281.8 | 0.092 | 2    | 1.52 | 0.017 | 0.17 | <0.1 | 3.8  | 0.15 | 0.06 | 60   | 0.3  | 0.03  |
| 11CB1020A | Soil                             | 1.61 | 0.267 | 17.0 | 19.1 | 0.69 | 1141  | 0.125 | 4    | 1.44 | 0.018 | 0.36 | <0.1 | 4.6  | 0.10 | 0.03 | 10   | 0.2  | 0.03  |
| 11CB1021A | Soil                             | 1.31 | 0.232 | 16.1 | 25.9 | 0.89 | 868.8 | 0.169 | 4    | 1.85 | 0.019 | 0.43 | 0.1  | 5.2  | 0.17 | 0.02 | <5   | <0.1 | <0.02 |



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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | SS80   | SS80   | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15   | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|--------|--------|------|-------|-------|-------|------|------|------|--------|------|------|------|------|------|-------|------|------|------|
|           |                                  | -80 Wt | +80 Wt | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn     | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   |
|           |                                  | g      | g      | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm    | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  |
|           |                                  | 0      | 0.01   | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1      | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 |
| 11CB1022A | Soil                             | 119.0  | 210.0  | 3.27 | 32.28 | 5.91  | 145.7 | 1304 | 16.3 | 11.7 | 1592   | 3.29 | 3.1  | 0.9  | 1.2  | 2.7  | 59.1  | 0.62 | 0.19 | 0.11 |
| 11CB1023A | Soil                             | 140.0  | 199.0  | 3.08 | 27.65 | 6.06  | 95.8  | 1045 | 16.9 | 10.0 | 728    | 3.41 | 3.7  | 0.9  | 1.4  | 2.8  | 43.0  | 0.30 | 0.21 | 0.12 |
| 11CB1024A | Soil                             | 152.0  | 236.0  | 3.48 | 31.76 | 6.06  | 114.2 | 1453 | 17.3 | 10.8 | 1112   | 3.31 | 3.3  | 1.1  | 0.9  | 2.9  | 52.2  | 0.50 | 0.21 | 0.12 |
| 11CB1025A | Soil                             | 21.00  | 114.0  | 4.81 | 22.03 | 5.84  | 56.6  | 3955 | 11.7 | 19.3 | 8713   | 2.37 | 1.5  | 0.5  | 0.4  | 0.6  | 27.5  | 0.65 | 0.26 | 0.12 |
| 11CB1026A | Soil                             | 17.00  | 91.00  | 2.30 | 14.90 | 4.73  | 254.4 | 1287 | 10.1 | 12.8 | >10000 | 1.46 | 1.6  | 0.2  | 0.5  | 0.3  | 34.6  | 0.98 | 0.18 | 0.07 |
| 11CB1027A | Soil                             | 33.00  | 102.0  | 1.12 | 19.52 | 5.84  | 34.7  | 1064 | 7.9  | 3.1  | 216    | 0.96 | 1.0  | 0.4  | 0.3  | <0.1 | 20.0  | 0.70 | 0.17 | 0.11 |
| 11CB1028A | Soil                             | 22.00  | 107.0  | 1.17 | 16.05 | 4.30  | 28.0  | 1526 | 7.1  | 3.0  | 207    | 0.77 | 0.7  | 0.6  | 0.7  | <0.1 | 21.2  | 0.84 | 0.17 | 0.07 |
| 11CB1029A | Soil                             | 21.00  | 86.00  | 1.20 | 21.73 | 6.18  | 37.1  | 3914 | 7.1  | 3.6  | 218    | 1.31 | 1.1  | 1.2  | 2.9  | 0.1  | 55.8  | 0.44 | 0.23 | 0.08 |
| 11CB1030A | Soil                             | 38.00  | 135.0  | 1.50 | 26.94 | 8.32  | 38.3  | 1371 | 8.0  | 2.9  | 142    | 1.26 | 1.1  | 0.9  | 1.8  | <0.1 | 20.8  | 0.58 | 0.14 | 0.09 |
| 11CB1031A | Soil                             | 34.00  | 120.0  | 1.94 | 59.94 | 20.37 | 61.2  | 2196 | 15.4 | 3.4  | 124    | 1.41 | 1.5  | 1.2  | 5.0  | 0.1  | 37.6  | 2.92 | 0.17 | 0.08 |
| 11CB1032A | Soil                             | 21.00  | 102.0  | 2.03 | 36.41 | 14.24 | 57.2  | 2035 | 10.1 | 3.1  | 148    | 1.35 | 1.5  | 1.0  | 3.5  | <0.1 | 36.2  | 1.82 | 0.16 | 0.06 |
| 11CB1033A | Soil                             | 27.00  | 107.0  | 1.17 | 57.99 | 212.7 | 316.9 | 4891 | 15.9 | 18.7 | 1224   | 3.40 | 2.3  | 4.0  | 11.0 | 3.4  | 72.4  | 5.94 | 0.42 | 0.09 |
| 11CB1034A | Soil                             | 26.00  | 98.00  | 0.82 | 27.17 | 20.75 | 106.5 | 1133 | 11.8 | 11.9 | 756    | 2.13 | 2.3  | 1.1  | 4.5  | 0.8  | 49.6  | 2.28 | 0.52 | 0.07 |
| 11CB1035A | Soil                             | 26.00  | 118.0  | 1.01 | 36.65 | 20.51 | 82.6  | 1012 | 11.9 | 7.5  | 472    | 1.92 | 2.7  | 1.6  | 5.4  | 0.7  | 68.8  | 1.71 | 0.33 | 0.08 |
| 11CB1036A | Soil                             | 54.00  | 147.0  | 0.88 | 44.37 | 26.99 | 112.5 | 1404 | 15.9 | 10.5 | 568    | 2.78 | 3.7  | 2.0  | 6.4  | 1.1  | 61.3  | 1.40 | 0.31 | 0.10 |
| 11CB1037A | Soil                             | 29.00  | 121.0  | 0.58 | 16.23 | 2.80  | 29.1  | 87   | 9.5  | 3.9  | 460    | 0.91 | 1.4  | 0.4  | 0.9  | 0.2  | 114.1 | 0.40 | 0.38 | 0.07 |
| 11CB1038A | Soil                             | 22.00  | 97.00  | 0.61 | 13.80 | 2.59  | 43.2  | 72   | 8.3  | 4.7  | 778    | 1.07 | 1.7  | 0.4  | 1.8  | 0.1  | 133.1 | 0.30 | 0.31 | 0.06 |
| 11CB1039A | Soil                             | 17.00  | 62.00  | 0.60 | 12.07 | 2.47  | 42.5  | 58   | 6.7  | 3.6  | 788    | 0.81 | 1.3  | 0.3  | 0.2  | <0.1 | 130.0 | 0.27 | 0.25 | 0.04 |
| 11CB1040A | Soil                             | 154.0  | 236.0  | 0.87 | 13.58 | 8.93  | 69.4  | 308  | 12.1 | 7.2  | 1596   | 2.78 | 4.7  | 0.3  | 0.8  | 1.8  | 62.7  | 0.31 | 0.36 | 0.13 |
| 11CB1041A | Soil                             | 222.0  | 322.0  | 0.90 | 12.65 | 8.94  | 77.6  | 324  | 11.1 | 7.8  | 1760   | 2.71 | 4.3  | 0.2  | 1.6  | 1.4  | 56.1  | 0.34 | 0.47 | 0.13 |
| 11CB1042A | Soil                             | 262.0  | 400.0  | 1.02 | 14.49 | 9.42  | 81.8  | 570  | 13.3 | 8.9  | 1755   | 2.73 | 5.8  | 0.3  | 1.0  | 1.7  | 119.4 | 0.38 | 0.43 | 0.16 |
| 11CB1043A | Soil                             | 217.0  | 323.0  | 1.05 | 11.70 | 9.07  | 47.3  | 272  | 10.4 | 7.6  | 920    | 2.40 | 5.9  | 0.2  | 0.9  | 1.5  | 39.2  | 0.27 | 0.37 | 0.18 |
| 11CB1044A | Soil                             | 29.00  | 121.0  | 0.76 | 81.98 | 7.30  | 57.5  | 428  | 25.5 | 18.8 | 1906   | 2.27 | 4.2  | 1.4  | 2.2  | 0.1  | 80.3  | 0.64 | 0.42 | 0.12 |
| 11CB1045A | Soil                             | 34.00  | 99.00  | 0.64 | 30.15 | 3.99  | 29.3  | 145  | 20.6 | 7.6  | 315    | 1.47 | 3.9  | 0.7  | 0.9  | 0.2  | 64.3  | 0.45 | 0.45 | 0.13 |
| 11CB1046A | Soil                             | 72.00  | 166.0  | 0.96 | 15.64 | 7.02  | 62.9  | 90   | 17.7 | 12.4 | 1125   | 2.27 | 7.8  | 0.6  | 4.2  | 2.1  | 42.6  | 0.30 | 0.50 | 0.25 |
| 11CB1047A | Soil                             | 58.00  | 129.0  | 0.98 | 15.32 | 6.33  | 46.4  | 126  | 16.7 | 7.7  | 309    | 1.90 | 6.1  | 0.5  | 2.0  | 1.2  | 33.2  | 1.02 | 0.37 | 0.25 |
| 11CB1048A | Soil                             | 5.000  | 153.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S.   | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. |
| 11CB1049A | Soil                             | 42.00  | 119.0  | 0.89 | 15.22 | 5.71  | 35.5  | 198  | 8.1  | 2.6  | 200    | 1.04 | 2.4  | 0.2  | 0.7  | <0.1 | 16.6  | 0.42 | 0.26 | 0.28 |
| 11CB1050A | Soil                             | 51.00  | 164.0  | 0.58 | 19.92 | 3.10  | 100.5 | 125  | 8.4  | 2.1  | 393    | 0.66 | 0.8  | 0.2  | 0.8  | <0.1 | 17.1  | 0.59 | 0.14 | 0.17 |
| 11CB1051A | Soil                             | 22.00  | 100.00 | 0.58 | 33.55 | 3.99  | 46.3  | 212  | 18.1 | 5.9  | 706    | 1.13 | 1.9  | 1.0  | 2.0  | 0.1  | 57.2  | 0.79 | 0.23 | 0.14 |



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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | Ca   | P     | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | %    | %     | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.01 | 0.001 | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11CB1022A | Soil                             | 0.84 | 0.193 | 16.4 | 29.5 | 0.89 | 564.6 | 0.170 | 2    | 1.97 | 0.020 | 0.40 | <0.1 | 5.4  | 0.17 | <0.02 | <5   | 0.2  | 0.03  |
| 11CB1023A | Soil                             | 0.54 | 0.156 | 17.3 | 32.6 | 0.93 | 370.0 | 0.178 | 1    | 2.04 | 0.018 | 0.36 | <0.1 | 5.3  | 0.16 | <0.02 | 6    | <0.1 | 0.03  |
| 11CB1024A | Soil                             | 0.66 | 0.210 | 21.4 | 29.7 | 0.84 | 527.7 | 0.168 | 2    | 1.95 | 0.017 | 0.35 | 0.1  | 5.7  | 0.13 | <0.02 | 5    | 0.2  | 0.02  |
| 11CB1025A | Soil                             | 0.50 | 0.089 | 9.0  | 15.8 | 0.47 | 593.4 | 0.097 | 2    | 1.07 | 0.026 | 0.25 | <0.1 | 2.7  | 0.15 | 0.06  | 118  | 0.3  | <0.02 |
| 11CB1026A | Soil                             | 0.80 | 0.120 | 3.9  | 9.6  | 0.40 | 1093  | 0.061 | 3    | 0.74 | 0.020 | 0.29 | <0.1 | 2.2  | 0.15 | 0.09  | 150  | 0.2  | 0.02  |
| 11CB1027A | Soil                             | 0.21 | 0.104 | 7.4  | 10.0 | 0.12 | 395.8 | 0.007 | 1    | 0.59 | 0.024 | 0.09 | <0.1 | 0.5  | 0.06 | 0.04  | 84   | 0.2  | 0.02  |
| 11CB1028A | Soil                             | 0.31 | 0.102 | 10.6 | 7.9  | 0.12 | 295.4 | 0.004 | 1    | 0.43 | 0.025 | 0.10 | <0.1 | 0.5  | 0.04 | 0.05  | 115  | 0.2  | 0.02  |
| 11CB1029A | Soil                             | 1.22 | 0.087 | 30.1 | 8.7  | 0.30 | 303.4 | 0.033 | 2    | 0.79 | 0.025 | 0.10 | <0.1 | 2.2  | 0.08 | 0.10  | 129  | 0.3  | <0.02 |
| 11CB1030A | Soil                             | 0.25 | 0.066 | 16.8 | 10.2 | 0.18 | 241.6 | 0.024 | <1   | 0.78 | 0.017 | 0.09 | <0.1 | 1.2  | 0.07 | 0.05  | 78   | 0.3  | <0.02 |
| 11CB1031A | Soil                             | 0.69 | 0.070 | 19.2 | 13.3 | 0.26 | 287.6 | 0.030 | 1    | 0.94 | 0.025 | 0.11 | <0.1 | 1.4  | 0.08 | 0.07  | 70   | 0.3  | <0.02 |
| 11CB1032A | Soil                             | 0.70 | 0.081 | 16.2 | 11.4 | 0.27 | 262.3 | 0.030 | 1    | 0.88 | 0.021 | 0.12 | <0.1 | 1.5  | 0.09 | 0.08  | 93   | 0.2  | <0.02 |
| 11CB1033A | Soil                             | 1.60 | 0.149 | 73.6 | 18.1 | 0.67 | 452.0 | 0.111 | 2    | 2.19 | 0.016 | 0.22 | 0.1  | 15.1 | 0.17 | 0.09  | 118  | 0.6  | <0.02 |
| 11CB1034A | Soil                             | 1.37 | 0.097 | 19.6 | 18.4 | 0.56 | 298.0 | 0.072 | 2    | 1.31 | 0.020 | 0.12 | 0.1  | 5.3  | 0.10 | 0.08  | 99   | 0.3  | 0.03  |
| 11CB1035A | Soil                             | 1.69 | 0.103 | 49.4 | 17.6 | 0.41 | 331.6 | 0.029 | 3    | 1.24 | 0.015 | 0.06 | 0.1  | 5.0  | 0.06 | 0.11  | 107  | 0.4  | 0.02  |
| 11CB1036A | Soil                             | 1.50 | 0.107 | 49.1 | 26.0 | 0.64 | 325.6 | 0.044 | 2    | 1.81 | 0.016 | 0.07 | 0.1  | 7.0  | 0.08 | 0.09  | 102  | 0.5  | <0.02 |
| 11CB1037A | Soil                             | 2.00 | 0.106 | 5.7  | 8.3  | 0.26 | 271.8 | 0.024 | 3    | 0.72 | 0.016 | 0.06 | <0.1 | 1.3  | 0.04 | 0.10  | 68   | 0.5  | <0.02 |
| 11CB1038A | Soil                             | 2.19 | 0.101 | 5.8  | 9.3  | 0.34 | 320.6 | 0.020 | 5    | 0.88 | 0.019 | 0.05 | <0.1 | 1.0  | 0.03 | 0.11  | 82   | 0.3  | <0.02 |
| 11CB1039A | Soil                             | 2.21 | 0.100 | 3.9  | 7.4  | 0.29 | 299.8 | 0.015 | 6    | 0.66 | 0.019 | 0.05 | <0.1 | 0.7  | 0.03 | 0.11  | 110  | 0.4  | <0.02 |
| 11CB1040A | Soil                             | 0.91 | 0.075 | 7.4  | 16.6 | 0.56 | 648.7 | 0.079 | 2    | 1.39 | 0.021 | 0.30 | <0.1 | 2.5  | 0.05 | <0.02 | 7    | <0.1 | 0.06  |
| 11CB1041A | Soil                             | 0.81 | 0.074 | 6.1  | 14.6 | 0.56 | 611.9 | 0.072 | 2    | 1.24 | 0.012 | 0.28 | <0.1 | 2.4  | 0.03 | <0.02 | 7    | 0.2  | 0.06  |
| 11CB1042A | Soil                             | 1.30 | 0.086 | 6.4  | 22.0 | 0.44 | 458.3 | 0.084 | 3    | 1.63 | 0.011 | 0.18 | <0.1 | 2.0  | 0.06 | <0.02 | 9    | 0.2  | 0.08  |
| 11CB1043A | Soil                             | 0.41 | 0.098 | 6.4  | 18.8 | 0.28 | 296.4 | 0.054 | 2    | 1.15 | 0.011 | 0.15 | <0.1 | 1.6  | 0.05 | <0.02 | <5   | 0.1  | 0.05  |
| 11CB1044A | Soil                             | 1.33 | 0.106 | 34.5 | 18.2 | 0.34 | 610.7 | 0.034 | 3    | 1.81 | 0.013 | 0.10 | 0.1  | 2.5  | 0.07 | 0.07  | 114  | 0.8  | 0.05  |
| 11CB1045A | Soil                             | 0.75 | 0.074 | 12.0 | 14.0 | 0.22 | 317.6 | 0.027 | 2    | 0.88 | 0.018 | 0.04 | 0.1  | 1.5  | 0.06 | 0.06  | 72   | 0.4  | <0.02 |
| 11CB1046A | Soil                             | 0.64 | 0.084 | 10.4 | 24.1 | 0.54 | 237.4 | 0.062 | 2    | 1.33 | 0.021 | 0.07 | 0.1  | 3.1  | 0.09 | 0.03  | 47   | 0.3  | 0.02  |
| 11CB1047A | Soil                             | 0.53 | 0.086 | 8.5  | 22.6 | 0.40 | 209.0 | 0.046 | 2    | 1.13 | 0.013 | 0.09 | 0.2  | 2.4  | 0.07 | 0.05  | 84   | 0.5  | 0.04  |
| 11CB1048A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB1049A | Soil                             | 0.17 | 0.071 | 4.5  | 12.6 | 0.12 | 135.2 | 0.013 | 1    | 0.54 | 0.010 | 0.07 | <0.1 | 0.3  | 0.07 | 0.05  | 85   | 0.2  | 0.04  |
| 11CB1050A | Soil                             | 0.19 | 0.057 | 3.8  | 10.0 | 0.08 | 250.8 | 0.003 | <1   | 0.36 | 0.011 | 0.07 | <0.1 | 0.1  | 0.04 | 0.03  | 57   | 0.2  | <0.02 |
| 11CB1051A | Soil                             | 0.86 | 0.078 | 18.8 | 11.6 | 0.26 | 628.6 | 0.025 | 3    | 0.83 | 0.013 | 0.10 | <0.1 | 1.8  | 0.08 | 0.09  | 123  | 0.3  | 0.02  |



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Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | SS80   | SS80   | 1F15 | 1F15  | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|--------|--------|------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|           |                                  | -80 Wt | +80 Wt | Mo   | Cu    | Pb   | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   |
|           |                                  | g      | g      | ppm  | ppm   | ppm  | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  |
|           |                                  | 0      | 0.01   | 0.01 | 0.01  | 0.01 | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 |
| 11CB1052A | Soil                             | 21.00  | 94.00  | 0.52 | 15.92 | 3.76 | 64.2  | 172  | 11.2 | 8.1  | 466  | 1.97 | 2.3  | 0.8  | 2.4  | 1.3  | 35.7 | 0.28 | 0.24 | 0.10 |
| 11CB1053A | Soil                             | 19.00  | 91.00  | 0.63 | 35.18 | 4.56 | 28.4  | 409  | 18.0 | 4.0  | 94   | 0.93 | 1.1  | 0.8  | 1.4  | <0.1 | 39.2 | 0.72 | 0.21 | 0.15 |
| 11CB1054A | Soil                             | 11.00  | 83.00  | 0.78 | 13.04 | 3.34 | 39.1  | 195  | 8.9  | 5.1  | 204  | 1.38 | 1.6  | 0.6  | <0.2 | 0.8  | 29.4 | 0.15 | 0.20 | 0.10 |
| 11CB1055A | Soil                             | 5.000  | 73.00  | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB1056A | Soil                             | 26.00  | 126.0  | 0.57 | 8.70  | 3.71 | 41.1  | 166  | 8.2  | 8.5  | 316  | 1.63 | 2.7  | 0.6  | 4.1  | 1.2  | 16.5 | 0.10 | 0.19 | 0.08 |
| 11CB1057A | Soil                             | 36.00  | 115.0  | 0.56 | 9.97  | 4.08 | 48.9  | 126  | 9.9  | 6.3  | 203  | 1.77 | 2.9  | 0.5  | 0.9  | 1.2  | 19.6 | 0.11 | 0.22 | 0.09 |
| 11CB1058A | Soil                             | 40.00  | 121.0  | 0.66 | 10.66 | 4.73 | 54.6  | 174  | 9.2  | 10.1 | 398  | 2.29 | 3.5  | 0.7  | 2.4  | 1.1  | 17.2 | 0.10 | 0.25 | 0.08 |
| 11TB1101A | Soil                             | 67.00  | 164.0  | 0.87 | 26.37 | 6.04 | 56.5  | 115  | 19.8 | 8.8  | 598  | 1.86 | 5.0  | 0.5  | 1.4  | 0.9  | 64.0 | 0.60 | 0.61 | 0.13 |
| 11TB1102A | Soil                             | 54.00  | 135.0  | 0.90 | 24.82 | 5.72 | 62.8  | 114  | 20.0 | 9.0  | 488  | 1.90 | 4.6  | 0.5  | 1.9  | 1.0  | 60.3 | 0.58 | 0.66 | 0.13 |
| 11TB1103A | Soil                             | 42.00  | 113.0  | 0.93 | 13.62 | 5.35 | 29.9  | 98   | 7.1  | 2.4  | 159  | 0.92 | 1.8  | 0.3  | 4.7  | <0.1 | 15.5 | 0.29 | 0.23 | 0.16 |
| 11TB1104A | Soil                             | 62.00  | 163.0  | 0.78 | 12.32 | 4.07 | 36.6  | 99   | 8.0  | 4.0  | 192  | 1.22 | 1.7  | 0.2  | <0.2 | <0.1 | 10.2 | 0.59 | 0.25 | 0.13 |
| 11TB1105A | Soil                             | 30.00  | 121.0  | 0.86 | 7.85  | 3.64 | 27.4  | 72   | 6.9  | 3.9  | 116  | 0.95 | 1.7  | 0.3  | <0.2 | 0.1  | 8.4  | 0.24 | 0.24 | 0.11 |
| 11TB1106A | Soil                             | 37.00  | 116.0  | 0.65 | 11.93 | 3.64 | 37.9  | 184  | 9.1  | 4.3  | 158  | 0.98 | 1.8  | 0.4  | 2.0  | 0.1  | 19.5 | 0.53 | 0.18 | 0.10 |
| 11TB1107A | Soil                             | 24.00  | 112.0  | 0.78 | 13.68 | 3.93 | 46.4  | 280  | 10.1 | 4.8  | 201  | 1.35 | 2.3  | 1.0  | 1.4  | 0.3  | 30.7 | 0.32 | 0.21 | 0.10 |
| 11TB1108A | Soil                             | 19.00  | 78.00  | 0.51 | 9.62  | 2.89 | 51.0  | 119  | 9.5  | 5.1  | 254  | 1.40 | 2.0  | 0.8  | 2.5  | 0.8  | 26.3 | 0.16 | 0.24 | 0.07 |
| 11TB1109A | Soil                             | 19.00  | 86.00  | 0.63 | 11.84 | 2.59 | 28.9  | 244  | 8.3  | 4.5  | 137  | 1.12 | 1.4  | 1.2  | 3.3  | 0.2  | 30.5 | 0.19 | 0.25 | 0.06 |
| 11TB1110A | Soil                             | 23.00  | 77.00  | 0.66 | 10.70 | 3.09 | 53.8  | 163  | 9.3  | 11.5 | 391  | 1.87 | 2.0  | 1.0  | 2.7  | 0.9  | 28.0 | 0.20 | 0.23 | 0.06 |
| 11TB1111A | Soil                             | 21.00  | 85.00  | 0.68 | 16.82 | 5.15 | 62.8  | 201  | 14.4 | 10.6 | 419  | 2.23 | 3.2  | 1.0  | 3.1  | 1.4  | 27.0 | 0.20 | 0.27 | 0.10 |
| 11TB1112A | Soil                             | 93.00  | 236.0  | 0.51 | 15.58 | 6.67 | 146.8 | 227  | 14.2 | 13.2 | 1802 | 2.51 | 3.2  | 0.6  | 0.4  | 2.0  | 38.7 | 0.46 | 0.24 | 0.12 |
| 11TB1113A | Soil                             | 26.00  | 96.00  | 1.04 | 10.54 | 3.43 | 34.8  | 397  | 7.2  | 4.1  | 217  | 1.01 | 1.7  | 0.4  | 1.1  | 0.1  | 26.1 | 0.30 | 0.19 | 0.08 |
| 11TB1114A | Soil                             | 87.00  | 192.0  | 0.65 | 12.46 | 5.37 | 80.2  | 414  | 9.7  | 10.3 | 489  | 2.02 | 2.6  | 0.5  | 0.5  | 1.1  | 20.0 | 0.34 | 0.17 | 0.10 |
| 11TB1115A | Soil                             | 60.00  | 161.0  | 0.88 | 16.63 | 5.02 | 36.6  | 590  | 8.0  | 4.0  | 132  | 1.20 | 1.8  | 0.3  | <0.2 | 0.2  | 15.0 | 0.44 | 0.18 | 0.11 |
| 11TB1116A | Soil                             | 134.0  | 232.0  | 0.67 | 38.84 | 8.27 | 67.6  | 2137 | 11.0 | 7.3  | 421  | 1.53 | 1.5  | 0.8  | 1.9  | 1.7  | 28.2 | 0.69 | 0.14 | 0.17 |
| 11TB1117A | Soil                             | 37.00  | 110.0  | 0.66 | 22.52 | 4.18 | 27.1  | 707  | 9.1  | 3.2  | 79   | 0.70 | 1.0  | 0.5  | <0.2 | <0.1 | 26.2 | 0.70 | 0.14 | 0.11 |
| 11TB1118A | Soil                             | 32.00  | 113.0  | 0.66 | 19.12 | 4.17 | 29.5  | 849  | 8.0  | 3.3  | 68   | 0.68 | 0.8  | 0.3  | <0.2 | <0.1 | 21.5 | 1.15 | 0.15 | 0.08 |
| 11TB1119A | Soil                             | 41.00  | 114.0  | 0.44 | 19.71 | 5.14 | 43.8  | 308  | 9.9  | 17.0 | 2308 | 1.06 | 1.4  | 0.3  | <0.2 | <0.1 | 23.9 | 1.04 | 0.15 | 0.08 |
| 11TB1120A | Soil                             | 36.00  | 115.0  | 0.67 | 48.87 | 5.51 | 43.7  | 1453 | 11.5 | 5.9  | 243  | 1.22 | 1.3  | 0.7  | 2.1  | 0.1  | 26.0 | 1.28 | 0.20 | 0.09 |
| 11TB1121A | Soil                             | 37.00  | 127.0  | 0.65 | 39.45 | 5.33 | 40.2  | 950  | 10.2 | 5.0  | 225  | 1.25 | 1.6  | 0.7  | 0.7  | 0.1  | 26.7 | 0.79 | 0.19 | 0.10 |
| 11TB1122A | Soil                             | 29.00  | 83.00  | 0.61 | 25.05 | 3.78 | 63.2  | 219  | 12.0 | 8.7  | 405  | 2.00 | 2.8  | 0.4  | 1.1  | 0.8  | 45.1 | 0.37 | 0.24 | 0.08 |
| 11TB1123A | Soil                             | 42.00  | 110.0  | 0.62 | 35.70 | 6.81 | 117.8 | 843  | 16.4 | 10.4 | 1237 | 1.53 | 1.4  | 0.8  | <0.2 | 0.3  | 52.7 | 1.43 | 0.21 | 0.10 |



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Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | Ca   | P     | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | %    | %     | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.01 | 0.001 | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11CB1052A | Soil                             | 0.52 | 0.076 | 14.0 | 18.7 | 0.61 | 432.2 | 0.091 | 2    | 1.34 | 0.010 | 0.25 | 0.1  | 4.4  | 0.14 | 0.07  | 87   | 0.4  | <0.02 |
| 11CB1053A | Soil                             | 0.43 | 0.081 | 12.6 | 10.4 | 0.14 | 472.6 | 0.012 | 1    | 0.56 | 0.015 | 0.06 | <0.1 | 0.7  | 0.05 | 0.09  | 90   | 0.4  | 0.03  |
| 11CB1054A | Soil                             | 0.39 | 0.088 | 10.1 | 13.8 | 0.33 | 355.3 | 0.058 | 1    | 0.94 | 0.011 | 0.11 | 0.1  | 2.5  | 0.10 | 0.10  | 102  | 0.2  | 0.05  |
| 11CB1055A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB1056A | Soil                             | 0.21 | 0.047 | 8.9  | 15.5 | 0.38 | 193.3 | 0.071 | 1    | 1.01 | 0.009 | 0.09 | <0.1 | 2.7  | 0.09 | 0.04  | 53   | 0.2  | 0.03  |
| 11CB1057A | Soil                             | 0.27 | 0.054 | 9.2  | 16.9 | 0.42 | 216.8 | 0.077 | 2    | 1.12 | 0.010 | 0.08 | 0.1  | 2.7  | 0.10 | 0.05  | 75   | 0.3  | <0.02 |
| 11CB1058A | Soil                             | 0.23 | 0.065 | 8.3  | 17.2 | 0.47 | 248.4 | 0.072 | 1    | 1.24 | 0.007 | 0.08 | 0.1  | 3.2  | 0.10 | 0.06  | 67   | 0.3  | <0.02 |
| 11TB1101A | Soil                             | 1.29 | 0.082 | 10.2 | 21.7 | 0.44 | 304.8 | 0.036 | 3    | 1.15 | 0.021 | 0.07 | 0.1  | 2.5  | 0.07 | 0.07  | 67   | 0.5  | 0.02  |
| 11TB1102A | Soil                             | 1.16 | 0.080 | 10.1 | 23.8 | 0.48 | 286.5 | 0.046 | 3    | 1.22 | 0.023 | 0.08 | 0.1  | 2.7  | 0.08 | 0.07  | 63   | 0.5  | <0.02 |
| 11TB1103A | Soil                             | 0.13 | 0.070 | 4.2  | 14.3 | 0.07 | 181.1 | 0.008 | <1   | 0.57 | 0.015 | 0.06 | <0.1 | 0.2  | 0.06 | 0.04  | 69   | 0.3  | <0.02 |
| 11TB1104A | Soil                             | 0.09 | 0.060 | 5.2  | 12.8 | 0.16 | 161.8 | 0.030 | <1   | 0.59 | 0.013 | 0.08 | <0.1 | 0.9  | 0.08 | 0.04  | 73   | 0.2  | <0.02 |
| 11TB1105A | Soil                             | 0.08 | 0.074 | 6.2  | 11.5 | 0.15 | 137.7 | 0.033 | <1   | 0.49 | 0.010 | 0.09 | <0.1 | 1.0  | 0.10 | 0.05  | 91   | 0.3  | 0.02  |
| 11TB1106A | Soil                             | 0.24 | 0.075 | 10.7 | 11.1 | 0.25 | 317.8 | 0.031 | 1    | 0.60 | 0.013 | 0.12 | <0.1 | 1.2  | 0.11 | 0.06  | 80   | 0.3  | 0.03  |
| 11TB1107A | Soil                             | 0.45 | 0.094 | 14.7 | 15.7 | 0.35 | 383.4 | 0.033 | 2    | 1.00 | 0.012 | 0.13 | 0.1  | 2.6  | 0.13 | 0.11  | 102  | 0.4  | <0.02 |
| 11TB1108A | Soil                             | 0.40 | 0.058 | 15.3 | 15.0 | 0.49 | 325.4 | 0.048 | 1    | 1.13 | 0.009 | 0.09 | <0.1 | 3.3  | 0.11 | 0.07  | 81   | 0.4  | <0.02 |
| 11TB1109A | Soil                             | 0.43 | 0.099 | 16.8 | 11.7 | 0.23 | 355.9 | 0.019 | 2    | 0.78 | 0.013 | 0.06 | <0.1 | 2.6  | 0.09 | 0.11  | 100  | 0.4  | <0.02 |
| 11TB1110A | Soil                             | 0.43 | 0.112 | 15.1 | 16.2 | 0.54 | 342.6 | 0.053 | 2    | 1.14 | 0.012 | 0.15 | 0.1  | 4.9  | 0.13 | 0.10  | 95   | 0.4  | <0.02 |
| 11TB1111A | Soil                             | 0.43 | 0.071 | 14.1 | 22.0 | 0.65 | 365.2 | 0.070 | 1    | 1.56 | 0.012 | 0.10 | 0.1  | 5.5  | 0.11 | 0.06  | 80   | 0.3  | 0.04  |
| 11TB1112A | Soil                             | 0.68 | 0.152 | 11.9 | 27.3 | 0.79 | 434.8 | 0.100 | 2    | 1.77 | 0.019 | 0.26 | <0.1 | 4.8  | 0.11 | 0.02  | 29   | 0.2  | 0.02  |
| 11TB1113A | Soil                             | 0.37 | 0.074 | 6.3  | 14.7 | 0.25 | 256.5 | 0.030 | <1   | 0.70 | 0.012 | 0.06 | <0.1 | 1.3  | 0.08 | 0.05  | 81   | 0.3  | 0.02  |
| 11TB1114A | Soil                             | 0.29 | 0.076 | 8.8  | 21.7 | 0.75 | 263.0 | 0.095 | <1   | 1.47 | 0.012 | 0.16 | <0.1 | 4.0  | 0.11 | 0.03  | 44   | 0.3  | 0.02  |
| 11TB1115A | Soil                             | 0.16 | 0.043 | 5.6  | 16.2 | 0.26 | 192.5 | 0.046 | <1   | 0.69 | 0.014 | 0.07 | <0.1 | 1.4  | 0.08 | 0.02  | 49   | 0.2  | 0.05  |
| 11TB1116A | Soil                             | 0.47 | 0.108 | 9.7  | 27.7 | 0.48 | 315.3 | 0.072 | <1   | 1.26 | 0.021 | 0.18 | <0.1 | 4.4  | 0.10 | <0.02 | 10   | 0.2  | 0.07  |
| 11TB1117A | Soil                             | 0.32 | 0.062 | 7.7  | 10.9 | 0.12 | 344.1 | 0.009 | <1   | 0.46 | 0.019 | 0.08 | <0.1 | 0.4  | 0.05 | 0.05  | 71   | 0.2  | 0.03  |
| 11TB1118A | Soil                             | 0.20 | 0.073 | 4.8  | 10.3 | 0.10 | 336.7 | 0.002 | <1   | 0.42 | 0.018 | 0.06 | <0.1 | 0.2  | 0.04 | 0.04  | 82   | 0.3  | <0.02 |
| 11TB1119A | Soil                             | 0.30 | 0.079 | 6.5  | 11.3 | 0.20 | 457.2 | 0.022 | <1   | 0.56 | 0.015 | 0.08 | <0.1 | 0.7  | 0.08 | 0.03  | 49   | 0.3  | <0.02 |
| 11TB1120A | Soil                             | 0.39 | 0.085 | 16.2 | 13.5 | 0.23 | 493.0 | 0.023 | <1   | 0.70 | 0.016 | 0.07 | <0.1 | 1.2  | 0.07 | 0.05  | 89   | 0.2  | 0.02  |
| 11TB1121A | Soil                             | 0.40 | 0.076 | 13.8 | 15.7 | 0.26 | 427.1 | 0.029 | <1   | 0.72 | 0.015 | 0.10 | <0.1 | 1.5  | 0.09 | 0.05  | 73   | 0.3  | 0.05  |
| 11TB1122A | Soil                             | 1.61 | 0.066 | 8.4  | 22.0 | 0.80 | 394.3 | 0.060 | 2    | 1.38 | 0.014 | 0.14 | <0.1 | 3.4  | 0.12 | 0.06  | 76   | 0.3  | 0.04  |
| 11TB1123A | Soil                             | 0.78 | 0.303 | 18.4 | 14.7 | 0.29 | 792.4 | 0.031 | 2    | 0.98 | 0.017 | 0.14 | <0.1 | 3.0  | 0.06 | 0.04  | 51   | 0.4  | 0.03  |



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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte | Unit<br>MDL | SS80    | SS80   | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 |
|-----------|-------------------|-------------|---------|--------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|-------|------|
|           |                   |             | -80 Wt  | +80 Wt | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd    | Sb   |
|           |                   |             | g       | g      | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm   | ppm  |
|           |                   |             | 0       | 0.01   | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01  | 0.02 |
| 11TB1124A | Soil              |             | 34.00   | 101.0  | 0.66 | 32.24 | 4.69  | 25.5  | 626  | 10.9 | 3.4  | 174  | 0.95 | 1.0  | 0.7  | 2.2  | 0.4  | 28.3  | 0.71  | 0.19 |
| 11TB1125A | Soil              |             | 33.00   | 87.00  | 0.60 | 38.47 | 14.82 | 58.3  | 1093 | 17.3 | 6.0  | 455  | 1.05 | 0.7  | 0.8  | 1.7  | 0.2  | 49.7  | 7.08  | 0.21 |
| 11TB1126A | Soil              |             | 41.00   | 105.0  | 0.75 | 24.49 | 31.96 | 38.9  | 760  | 7.2  | 2.3  | 72   | 0.82 | 0.7  | 0.5  | 1.7  | <0.1 | 20.6  | 4.99  | 0.14 |
| 11TB1127A | Soil              |             | 50.00   | 105.0  | 0.69 | 24.67 | 27.67 | 166.9 | 1042 | 11.4 | 7.3  | 2852 | 1.03 | 0.9  | 0.5  | 3.2  | 0.1  | 42.0  | 10.92 | 0.19 |
| 11TB1128A | Soil              |             | 18.0000 | 117.0  | 0.77 | 20.95 | 6.39  | 49.6  | 806  | 8.4  | 2.4  | 420  | 0.79 | 0.9  | 0.5  | 1.1  | 0.1  | 41.8  | 1.01  | 0.19 |
| 11TB1129A | Soil              |             | 27.00   | 98.00  | 0.59 | 24.74 | 5.41  | 33.1  | 401  | 9.6  | 3.8  | 162  | 0.88 | 0.7  | 0.8  | 1.6  | 0.2  | 37.8  | 1.76  | 0.22 |
| 11TB1130A | Soil              |             | 42.00   | 187.0  | 0.87 | 16.83 | 4.50  | 22.8  | 135  | 7.2  | 2.9  | 551  | 0.91 | 0.7  | 0.3  | 2.4  | <0.1 | 21.9  | 0.65  | 0.18 |
| 11TB1131A | Soil              |             | 40.00   | 201.0  | 0.65 | 8.63  | 3.42  | 17.9  | 45   | 4.9  | 1.6  | 78   | 0.71 | 0.6  | 0.2  | 1.7  | <0.1 | 17.5  | 0.20  | 0.10 |
| 11TB1132A | Soil              |             | 39.00   | 137.0  | 0.83 | 13.92 | 3.42  | 22.1  | 104  | 5.3  | 1.8  | 37   | 0.66 | 0.7  | 0.4  | 0.8  | 0.1  | 30.8  | 0.35  | 0.14 |
| 11TB1133A | Soil              |             | 23.00   | 71.00  | 0.94 | 14.60 | 2.37  | 17.9  | 120  | 6.3  | 2.1  | 125  | 0.66 | 0.8  | 0.8  | 0.4  | 0.1  | 81.8  | 0.34  | 0.27 |
| 11TB1134A | Soil              |             | 36.00   | 121.0  | 0.79 | 13.35 | 3.81  | 28.3  | 193  | 9.6  | 4.8  | 151  | 1.33 | 1.7  | 0.7  | 0.9  | 0.4  | 70.5  | 0.28  | 0.26 |
| 11TB1135A | Soil              |             | 35.00   | 124.0  | 1.07 | 11.37 | 2.54  | 33.5  | 136  | 6.9  | 4.5  | 288  | 1.20 | 1.1  | 0.6  | 0.9  | 0.4  | 68.2  | 0.31  | 0.29 |
| 11TB1136A | Soil              |             | 18.00   | 74.00  | 0.58 | 13.96 | 0.90  | 24.8  | 52   | 4.8  | 2.3  | 500  | 0.40 | 0.7  | 0.7  | 1.8  | 0.2  | 100.0 | 0.24  | 0.25 |
| 11TB1137A | Soil              |             | 30.00   | 93.00  | 0.64 | 16.31 | 1.74  | 28.1  | 83   | 7.7  | 3.5  | 412  | 0.70 | 1.3  | 0.4  | 1.0  | 0.2  | 96.2  | 0.28  | 0.34 |
| 11TB1138A | Soil              |             | 62.00   | 123.0  | 0.58 | 19.15 | 6.49  | 78.2  | 88   | 20.6 | 10.8 | 848  | 2.18 | 5.9  | 0.5  | 2.2  | 1.7  | 42.2  | 0.41  | 0.44 |
| 11TB1139A | Soil              |             | 22.00   | 61.00  | 0.67 | 21.40 | 5.02  | 68.2  | 87   | 18.0 | 9.5  | 1007 | 1.65 | 4.9  | 0.5  | 2.0  | 0.8  | 60.4  | 0.63  | 0.48 |
| 11TB1140A | Soil              |             | 42.00   | 160.0  | 0.81 | 16.46 | 5.12  | 35.7  | 266  | 7.7  | 2.8  | 296  | 0.99 | 2.2  | 0.3  | 0.5  | <0.1 | 13.1  | 0.20  | 0.21 |
| 11TB1141A | Soil              |             | 37.00   | 126.0  | 0.88 | 16.38 | 4.47  | 28.7  | 400  | 7.5  | 2.5  | 153  | 0.88 | 1.9  | 0.3  | 0.2  | <0.1 | 13.4  | 0.24  | 0.21 |
| 11TB1142A | Soil              |             | 72.00   | 140.0  | 0.77 | 22.95 | 7.18  | 34.1  | 207  | 11.2 | 3.8  | 444  | 1.14 | 1.4  | 0.3  | 0.9  | <0.1 | 12.7  | 1.23  | 0.23 |
| 11TB1143A | Soil              |             | 33.00   | 115.0  | 0.71 | 14.60 | 3.41  | 28.8  | 208  | 7.0  | 2.0  | 70   | 0.79 | 1.4  | 0.2  | 0.8  | <0.1 | 12.7  | 0.27  | 0.20 |
| 11TB1144A | Soil              |             | 47.00   | 110.0  | 0.89 | 13.10 | 5.12  | 20.5  | 208  | 7.0  | 2.4  | 92   | 0.98 | 1.6  | 0.3  | 1.0  | <0.1 | 9.8   | 0.23  | 0.19 |
| 11TB1145A | Soil              |             | 36.00   | 100.00 | 0.88 | 20.53 | 5.96  | 39.4  | 271  | 10.4 | 4.6  | 143  | 2.00 | 3.2  | 0.5  | 1.6  | 0.2  | 7.9   | 0.34  | 0.23 |
| 11TB1146A | Soil              |             | 18.00   | 76.00  | 0.72 | 21.96 | 3.76  | 45.9  | 498  | 11.5 | 3.9  | 176  | 1.42 | 2.0  | 1.2  | 2.6  | <0.1 | 33.3  | 0.25  | 0.20 |
| 11TB1147A | Soil              |             | 9.000   | 76.00  | 0.46 | 16.70 | 4.07  | 64.7  | 143  | 11.4 | 9.2  | 480  | 2.15 | 2.6  | 0.8  | 2.0  | 1.1  | 22.5  | 0.24  | 0.18 |
| 11TB1148A | Soil              |             | 16.00   | 95.00  | 0.58 | 44.70 | 3.85  | 48.4  | 277  | 13.1 | 5.3  | 201  | 1.40 | 1.7  | 1.0  | 1.4  | 0.5  | 26.1  | 0.36  | 0.17 |
| 11TB1149A | Soil              |             | 48.00   | 175.0  | 0.78 | 20.98 | 4.33  | 50.2  | 318  | 8.8  | 3.2  | 397  | 1.31 | 1.3  | 0.3  | 1.0  | 0.2  | 8.0   | 0.19  | 0.25 |
| 11TB1150A | Soil              |             | 24.00   | 174.0  | 0.87 | 15.78 | 3.73  | 32.0  | 302  | 6.5  | 2.7  | 247  | 1.16 | 1.6  | 0.2  | 3.2  | <0.1 | 6.7   | 0.27  | 0.19 |
| 11TB1151A | Soil              |             | 83.00   | 186.0  | 0.79 | 18.99 | 4.90  | 30.4  | 436  | 8.8  | 4.2  | 133  | 2.00 | 2.7  | 0.5  | 2.8  | 1.1  | 7.8   | 0.23  | 0.21 |
| 11CB1114A | Soil              |             | 16.00   | 104.0  | 0.36 | 16.94 | 4.76  | 42.7  | 99   | 10.9 | 5.2  | 501  | 1.25 | 1.5  | 0.5  | 2.2  | 0.5  | 83.7  | 0.30  | 0.24 |
| 11CB1115A | Soil              |             | 42.00   | 125.0  | 0.36 | 18.36 | 5.65  | 45.6  | 91   | 12.4 | 5.9  | 569  | 1.48 | 1.7  | 0.5  | 2.8  | 0.6  | 76.3  | 0.30  | 0.27 |



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Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | Ca   | P     | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | %    | %     | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.01 | 0.001 | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11TB1124A | Soil                             | 0.39 | 0.067 | 21.2 | 9.2  | 0.17 | 331.0 | 0.019 | 1    | 0.54 | 0.014 | 0.07 | <0.1 | 1.6  | 0.04 | 0.05  | 79   | 0.2  | 0.03  |
| 11TB1125A | Soil                             | 0.75 | 0.089 | 42.9 | 9.7  | 0.23 | 1151  | 0.016 | 1    | 0.65 | 0.016 | 0.10 | <0.1 | 1.5  | 0.04 | 0.05  | 112  | 0.2  | 0.03  |
| 11TB1126A | Soil                             | 0.19 | 0.114 | 7.8  | 11.3 | 0.08 | 285.5 | 0.002 | 1    | 0.49 | 0.015 | 0.06 | <0.1 | 0.3  | 0.03 | 0.04  | 79   | 0.2  | 0.03  |
| 11TB1127A | Soil                             | 0.67 | 0.111 | 26.7 | 9.2  | 0.15 | 635.9 | 0.018 | 1    | 0.56 | 0.016 | 0.08 | <0.1 | 1.7  | 0.04 | 0.04  | 86   | 0.2  | <0.02 |
| 11TB1128A | Soil                             | 0.89 | 0.074 | 20.0 | 9.0  | 0.13 | 326.7 | 0.013 | 1    | 0.46 | 0.013 | 0.07 | <0.1 | 1.0  | 0.04 | 0.04  | 90   | 0.2  | <0.02 |
| 11TB1129A | Soil                             | 0.82 | 0.075 | 52.7 | 7.6  | 0.14 | 718.5 | 0.010 | 2    | 0.59 | 0.012 | 0.05 | <0.1 | 1.4  | 0.03 | 0.06  | 91   | 0.2  | 0.02  |
| 11TB1130A | Soil                             | 0.24 | 0.075 | 9.2  | 10.6 | 0.09 | 570.5 | 0.009 | 1    | 0.50 | 0.013 | 0.06 | <0.1 | 0.5  | 0.04 | 0.03  | 60   | 0.1  | <0.02 |
| 11TB1131A | Soil                             | 0.13 | 0.048 | 5.7  | 10.4 | 0.09 | 233.6 | 0.008 | 1    | 0.48 | 0.011 | 0.06 | <0.1 | 0.3  | 0.03 | 0.03  | 51   | 0.1  | 0.03  |
| 11TB1132A | Soil                             | 0.30 | 0.065 | 12.5 | 7.6  | 0.06 | 348.2 | 0.010 | 1    | 0.49 | 0.013 | 0.04 | <0.1 | 0.6  | 0.02 | 0.05  | 69   | 0.1  | 0.02  |
| 11TB1133A | Soil                             | 1.68 | 0.097 | 27.5 | 5.4  | 0.10 | 425.5 | 0.008 | 2    | 0.63 | 0.014 | 0.04 | <0.1 | 0.7  | 0.03 | 0.11  | 123  | 0.2  | <0.02 |
| 11TB1134A | Soil                             | 1.40 | 0.071 | 13.8 | 11.3 | 0.24 | 598.2 | 0.024 | 1    | 0.98 | 0.013 | 0.04 | <0.1 | 2.0  | 0.04 | 0.08  | 93   | 0.3  | 0.03  |
| 11TB1135A | Soil                             | 1.51 | 0.091 | 10.8 | 9.2  | 0.28 | 500.0 | 0.030 | 2    | 0.86 | 0.012 | 0.07 | <0.1 | 2.2  | 0.04 | 0.10  | 128  | 0.3  | <0.02 |
| 11TB1136A | Soil                             | 2.86 | 0.084 | 8.0  | 3.5  | 0.12 | 527.1 | 0.007 | 7    | 0.32 | 0.013 | 0.03 | <0.1 | 1.0  | 0.04 | 0.15  | 87   | 0.3  | <0.02 |
| 11TB1137A | Soil                             | 2.75 | 0.098 | 7.1  | 6.6  | 0.19 | 596.6 | 0.013 | 4    | 0.56 | 0.012 | 0.04 | <0.1 | 0.9  | 0.05 | 0.16  | 100  | 0.3  | <0.02 |
| 11TB1138A | Soil                             | 0.93 | 0.066 | 8.0  | 25.3 | 0.56 | 276.0 | 0.049 | 2    | 1.26 | 0.022 | 0.08 | 0.1  | 2.8  | 0.08 | 0.04  | 33   | 0.3  | <0.02 |
| 11TB1139A | Soil                             | 1.50 | 0.072 | 6.9  | 19.2 | 0.41 | 344.5 | 0.033 | 3    | 0.94 | 0.020 | 0.07 | 0.1  | 2.0  | 0.06 | 0.07  | 57   | 0.3  | 0.03  |
| 11TB1140A | Soil                             | 0.18 | 0.063 | 5.5  | 12.4 | 0.12 | 135.6 | 0.017 | <1   | 0.50 | 0.008 | 0.07 | <0.1 | 0.4  | 0.04 | 0.04  | 63   | 0.1  | 0.02  |
| 11TB1141A | Soil                             | 0.15 | 0.067 | 4.1  | 11.0 | 0.09 | 136.0 | 0.011 | <1   | 0.42 | 0.010 | 0.06 | <0.1 | 0.3  | 0.03 | 0.04  | 62   | 0.2  | 0.02  |
| 11TB1142A | Soil                             | 0.08 | 0.060 | 3.9  | 13.8 | 0.05 | 193.3 | 0.006 | <1   | 0.55 | 0.010 | 0.06 | <0.1 | 0.2  | 0.03 | 0.02  | 43   | 0.1  | <0.02 |
| 11TB1143A | Soil                             | 0.11 | 0.068 | 3.0  | 10.1 | 0.06 | 130.9 | 0.008 | <1   | 0.35 | 0.010 | 0.06 | <0.1 | 0.3  | 0.03 | 0.05  | 80   | 0.2  | <0.02 |
| 11TB1144A | Soil                             | 0.09 | 0.049 | 3.4  | 11.5 | 0.11 | 136.2 | 0.018 | <1   | 0.62 | 0.010 | 0.06 | <0.1 | 0.4  | 0.04 | 0.04  | 84   | 0.2  | 0.03  |
| 11TB1145A | Soil                             | 0.07 | 0.064 | 5.7  | 16.1 | 0.30 | 145.3 | 0.056 | <1   | 1.06 | 0.007 | 0.12 | 0.1  | 1.8  | 0.08 | 0.03  | 66   | 0.2  | 0.03  |
| 11TB1146A | Soil                             | 0.44 | 0.109 | 9.0  | 16.3 | 0.28 | 323.1 | 0.017 | 1    | 0.95 | 0.012 | 0.11 | <0.1 | 0.8  | 0.09 | 0.10  | 130  | 0.2  | 0.03  |
| 11TB1147A | Soil                             | 0.32 | 0.052 | 12.7 | 18.2 | 0.62 | 327.6 | 0.115 | 1    | 1.43 | 0.007 | 0.23 | 0.2  | 4.2  | 0.15 | 0.04  | 55   | 0.2  | 0.05  |
| 11TB1148A | Soil                             | 0.37 | 0.076 | 13.0 | 12.6 | 0.39 | 350.4 | 0.042 | 1    | 0.97 | 0.008 | 0.14 | 0.1  | 2.4  | 0.06 | 0.07  | 77   | 0.2  | 0.03  |
| 11TB1149A | Soil                             | 0.10 | 0.052 | 4.4  | 10.7 | 0.12 | 168.3 | 0.041 | <1   | 0.55 | 0.009 | 0.07 | <0.1 | 1.1  | 0.07 | <0.02 | 66   | 0.2  | 0.02  |
| 11TB1150A | Soil                             | 0.08 | 0.041 | 4.4  | 10.2 | 0.08 | 140.5 | 0.031 | <1   | 0.48 | 0.008 | 0.05 | <0.1 | 0.7  | 0.05 | <0.02 | 34   | 0.2  | <0.02 |
| 11TB1151A | Soil                             | 0.09 | 0.057 | 9.4  | 16.2 | 0.20 | 185.0 | 0.071 | <1   | 1.10 | 0.007 | 0.07 | 0.1  | 2.7  | 0.11 | <0.02 | 41   | 0.2  | 0.03  |
| 11CB1114A | Soil                             | 3.18 | 0.079 | 8.3  | 12.2 | 0.36 | 659.0 | 0.016 | 4    | 0.88 | 0.015 | 0.04 | <0.1 | 2.1  | 0.04 | 0.12  | 80   | 0.4  | <0.02 |
| 11CB1115A | Soil                             | 2.86 | 0.079 | 10.3 | 13.6 | 0.41 | 663.5 | 0.019 | 3    | 1.03 | 0.012 | 0.04 | <0.1 | 2.6  | 0.04 | 0.12  | 72   | 0.4  | 0.03  |



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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte | Unit<br>MDL | SS80   | SS80   | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|-------------------|-------------|--------|--------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
|           |                   |             | -80 Wt | +80 Wt | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   |
|           |                   |             | g      | g      | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  |
|           |                   |             | 0      | 0.01   | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 |
| 11CB1116A | Soil              |             | 5.000  | 73.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB1117A | Soil              |             | 12.00  | 86.00  | 0.41 | 24.47 | 3.44  | 42.5  | 185  | 11.0 | 5.8  | 530  | 1.20 | 2.3  | 2.5  | 2.6  | 0.4  | 89.1 | 0.18 | 0.33 |
| 11CB1118A | Soil              |             | 13.00  | 84.00  | 0.39 | 25.07 | 3.67  | 47.5  | 190  | 12.3 | 6.3  | 535  | 1.41 | 2.3  | 2.3  | 2.8  | 0.5  | 92.1 | 0.17 | 0.31 |
| 11CB1119A | Soil              |             | 12.00  | 80.00  | 0.38 | 26.10 | 3.25  | 39.3  | 187  | 11.1 | 4.8  | 422  | 1.06 | 1.5  | 2.9  | 4.1  | 0.3  | 95.2 | 0.24 | 0.35 |
| 11CB1120A | Soil              |             | 16.00  | 113.0  | 1.07 | 27.49 | 5.26  | 56.2  | 85   | 18.5 | 10.1 | 636  | 1.64 | 4.5  | 0.5  | 2.8  | 0.9  | 53.6 | 0.84 | 0.40 |
| 11CB1121A | Soil              |             | 13.00  | 72.00  | 1.04 | 21.63 | 5.03  | 56.9  | 75   | 16.9 | 8.5  | 575  | 1.66 | 4.5  | 0.5  | 3.3  | 1.3  | 52.0 | 0.60 | 0.41 |
| 11CB1122A | Soil              |             | 17.00  | 89.00  | 0.86 | 37.01 | 4.02  | 32.8  | 116  | 22.6 | 7.0  | 292  | 1.47 | 7.1  | 0.5  | 5.7  | 0.5  | 57.9 | 1.09 | 0.43 |
| 11CB1123A | Soil              |             | 15.00  | 82.00  | 0.82 | 32.49 | 4.10  | 34.9  | 127  | 18.6 | 6.2  | 244  | 1.14 | 2.2  | 0.5  | 3.8  | 0.5  | 52.9 | 0.89 | 0.43 |
| 11CB1124A | Soil              |             | 68.00  | 169.0  | 0.46 | 16.83 | 6.45  | 76.3  | 87   | 19.9 | 9.4  | 852  | 2.03 | 4.6  | 0.6  | 3.5  | 2.2  | 47.4 | 0.44 | 0.35 |
| 11CB1125A | Soil              |             | 6.000  | 75.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB1126A | Soil              |             | 10.000 | 98.00  | 0.77 | 19.41 | 3.43  | 39.9  | 734  | 8.9  | 4.4  | 313  | 1.15 | 1.2  | 1.7  | 2.4  | 0.8  | 52.3 | 0.39 | 0.33 |
| 11CB1127A | Soil              |             | 7.000  | 116.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB1128A | Soil              |             | 12.00  | 102.0  | 1.10 | 13.14 | 6.43  | 27.1  | 388  | 9.0  | 8.1  | 3092 | 0.99 | 1.3  | 0.2  | 0.4  | <0.1 | 48.0 | 0.75 | 0.21 |
| 11CB1129A | Soil              |             | 27.00  | 153.0  | 1.28 | 8.97  | 7.21  | 26.9  | 295  | 7.3  | 6.2  | 1871 | 1.28 | 2.2  | 0.2  | 0.8  | 0.1  | 32.3 | 0.44 | 0.24 |
| 11CB1130A | Soil              |             | 5.000  | 66.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB1131A | Soil              |             | 15.00  | 81.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB1132A | Soil              |             | 19.00  | 125.0  | 0.76 | 15.97 | 6.65  | 44.5  | 366  | 11.7 | 9.4  | 3325 | 1.25 | 2.0  | 0.2  | 1.3  | <0.1 | 42.9 | 0.88 | 0.29 |
| 11CB1133A | Soil              |             | 38.00  | 180.0  | 0.84 | 14.24 | 7.71  | 43.6  | 260  | 12.2 | 11.6 | 4197 | 1.63 | 2.2  | 0.2  | 0.6  | <0.1 | 36.0 | 0.79 | 0.31 |
| 11CB1134A | Soil              |             | 39.00  | 148.0  | 0.98 | 23.35 | 6.33  | 113.0 | 555  | 10.9 | 5.1  | 304  | 1.79 | 3.5  | 0.4  | 0.5  | 1.2  | 28.9 | 0.66 | 0.26 |
| 11CB1135A | Soil              |             | 29.00  | 147.0  | 0.87 | 21.40 | 5.51  | 79.4  | 349  | 8.6  | 4.3  | 409  | 1.62 | 2.8  | 0.3  | 0.9  | 0.3  | 22.2 | 0.50 | 0.23 |
| 11CB1136A | Soil              |             | 11.00  | 124.0  | 0.95 | 16.92 | 7.35  | 15.2  | 327  | 5.2  | 1.7  | 33   | 0.86 | 1.2  | 0.5  | 0.8  | <0.1 | 12.6 | 0.26 | 0.14 |
| 11CB1137A | Soil              |             | 22.00  | 109.0  | 0.94 | 13.62 | 4.85  | 19.6  | 422  | 5.6  | 3.2  | 36   | 0.78 | 1.3  | 0.4  | 2.3  | <0.1 | 14.0 | 0.29 | 0.15 |
| 11CB1138A | Soil              |             | 19.00  | 114.0  | 1.13 | 17.55 | 5.92  | 21.5  | 489  | 10.2 | 2.3  | 38   | 0.87 | 1.4  | 0.4  | 0.8  | <0.1 | 17.5 | 0.49 | 0.19 |
| 11CB1139A | Soil              |             | 26.00  | 141.0  | 0.69 | 22.94 | 5.21  | 20.9  | 388  | 7.8  | 2.1  | 34   | 0.68 | 1.0  | 0.4  | 0.3  | <0.1 | 17.7 | 0.59 | 0.13 |
| 11CB1140A | Soil              |             | 31.00  | 154.0  | 0.93 | 15.44 | 4.61  | 23.8  | 232  | 7.7  | 2.4  | 49   | 0.84 | 1.3  | 0.2  | 0.8  | <0.1 | 14.7 | 0.48 | 0.22 |
| 11CB1141A | Soil              |             | 27.00  | 138.0  | 0.87 | 15.74 | 4.82  | 24.4  | 298  | 7.6  | 2.2  | 45   | 0.86 | 1.3  | 0.3  | 0.7  | <0.1 | 13.3 | 0.48 | 0.23 |
| 11CB1142A | Soil              |             | 18.00  | 143.0  | 0.99 | 17.30 | 5.15  | 21.7  | 163  | 7.9  | 2.1  | 46   | 0.91 | 1.3  | 0.3  | 1.8  | <0.1 | 12.0 | 0.45 | 0.25 |
| 11CB1143A | Soil              |             | 25.00  | 166.0  | 0.91 | 14.16 | 6.14  | 19.7  | 155  | 8.1  | 3.0  | 84   | 1.29 | 3.6  | 0.4  | 1.5  | <0.1 | 15.4 | 0.29 | 0.23 |
| 11CB1144A | Soil              |             | 44.00  | 163.0  | 0.97 | 15.94 | 6.91  | 17.0  | 166  | 7.2  | 2.4  | 62   | 1.14 | 2.8  | 0.4  | 0.8  | 0.1  | 17.0 | 0.31 | 0.22 |
| 11CB1145A | Soil              |             | 16.00  | 104.0  | 1.98 | 38.83 | 10.60 | 122.1 | 501  | 17.1 | 6.9  | 544  | 1.70 | 2.3  | 1.6  | 1.3  | 0.5  | 55.9 | 1.28 | 0.27 |





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**Project:** Mariposa  
**Report Date:** November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | Ca   | P     | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | %    | %     | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.01 | 0.001 | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11CB1116A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11CB1117A | Soil                             | 2.56 | 0.073 | 15.7 | 9.9  | 0.26 | 712.9 | 0.024 | 5    | 0.87 | 0.012 | 0.06 | 0.1  | 1.9  | 0.05 | 0.12 | 82   | 0.4  | 0.03  |
| 11CB1118A | Soil                             | 2.58 | 0.074 | 17.9 | 11.7 | 0.30 | 764.2 | 0.029 | 4    | 1.03 | 0.013 | 0.07 | 0.1  | 2.3  | 0.06 | 0.12 | 105  | 0.3  | 0.02  |
| 11CB1119A | Soil                             | 2.79 | 0.072 | 13.3 | 8.6  | 0.24 | 737.6 | 0.023 | 6    | 0.79 | 0.016 | 0.06 | <0.1 | 1.8  | 0.05 | 0.13 | 109  | 0.5  | 0.06  |
| 11CB1120A | Soil                             | 1.09 | 0.067 | 7.1  | 19.0 | 0.45 | 243.3 | 0.043 | 2    | 0.96 | 0.022 | 0.07 | 0.1  | 2.3  | 0.06 | 0.06 | 54   | 0.3  | 0.03  |
| 11CB1121A | Soil                             | 1.01 | 0.059 | 7.4  | 18.7 | 0.45 | 221.3 | 0.057 | 2    | 0.95 | 0.021 | 0.07 | 0.2  | 2.5  | 0.06 | 0.05 | 45   | 0.4  | 0.03  |
| 11CB1122A | Soil                             | 1.10 | 0.079 | 9.1  | 13.0 | 0.27 | 277.9 | 0.029 | 4    | 0.65 | 0.015 | 0.04 | 0.2  | 2.0  | 0.05 | 0.10 | 112  | 0.5  | 0.03  |
| 11CB1123A | Soil                             | 0.97 | 0.075 | 8.9  | 13.0 | 0.27 | 285.7 | 0.031 | 3    | 0.65 | 0.014 | 0.05 | 0.2  | 1.9  | 0.05 | 0.08 | 97   | 0.5  | 0.03  |
| 11CB1124A | Soil                             | 0.81 | 0.076 | 9.6  | 25.2 | 0.57 | 219.4 | 0.059 | 2    | 1.24 | 0.022 | 0.07 | 0.2  | 3.1  | 0.08 | 0.04 | 40   | 0.3  | 0.03  |
| 11CB1125A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11CB1126A | Soil                             | 0.85 | 0.096 | 22.6 | 13.9 | 0.25 | 344.0 | 0.017 | 4    | 0.80 | 0.008 | 0.09 | <0.1 | 2.9  | 0.07 | 0.13 | 148  | 0.5  | <0.02 |
| 11CB1127A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11CB1128A | Soil                             | 0.55 | 0.079 | 5.0  | 8.3  | 0.13 | 582.0 | 0.019 | 2    | 0.48 | 0.010 | 0.08 | 0.1  | 0.5  | 0.09 | 0.06 | 102  | 0.3  | <0.02 |
| 11CB1129A | Soil                             | 0.36 | 0.059 | 5.8  | 11.0 | 0.14 | 430.0 | 0.025 | <1   | 0.58 | 0.009 | 0.06 | <0.1 | 0.7  | 0.07 | 0.04 | 60   | 0.2  | <0.02 |
| 11CB1130A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11CB1131A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11CB1132A | Soil                             | 0.40 | 0.085 | 4.6  | 11.4 | 0.12 | 624.4 | 0.009 | <1   | 0.56 | 0.012 | 0.07 | <0.1 | 0.3  | 0.09 | 0.05 | 109  | 0.3  | <0.02 |
| 11CB1133A | Soil                             | 0.33 | 0.071 | 5.3  | 12.4 | 0.15 | 656.9 | 0.018 | <1   | 0.70 | 0.011 | 0.06 | <0.1 | 0.5  | 0.08 | 0.04 | 90   | 0.2  | 0.03  |
| 11CB1134A | Soil                             | 0.23 | 0.160 | 7.3  | 15.1 | 0.19 | 565.8 | 0.046 | <1   | 1.03 | 0.011 | 0.12 | <0.1 | 2.0  | 0.04 | 0.03 | 24   | 0.3  | 0.02  |
| 11CB1135A | Soil                             | 0.17 | 0.102 | 7.0  | 13.5 | 0.18 | 395.6 | 0.037 | 1    | 0.85 | 0.010 | 0.11 | <0.1 | 1.3  | 0.06 | 0.04 | 50   | 0.2  | <0.02 |
| 11CB1136A | Soil                             | 0.09 | 0.116 | 6.2  | 11.4 | 0.05 | 122.8 | 0.005 | 2    | 0.61 | 0.012 | 0.04 | <0.1 | 0.4  | 0.05 | 0.07 | 106  | 0.5  | 0.02  |
| 11CB1137A | Soil                             | 0.10 | 0.110 | 4.6  | 9.7  | 0.05 | 115.2 | 0.004 | <1   | 0.52 | 0.012 | 0.05 | <0.1 | 0.2  | 0.04 | 0.06 | 84   | 0.4  | <0.02 |
| 11CB1138A | Soil                             | 0.11 | 0.125 | 5.7  | 10.2 | 0.06 | 169.5 | 0.002 | 1    | 0.61 | 0.012 | 0.04 | <0.1 | 0.3  | 0.03 | 0.07 | 119  | 0.4  | <0.02 |
| 11CB1139A | Soil                             | 0.14 | 0.099 | 7.6  | 8.9  | 0.04 | 178.4 | 0.002 | <1   | 0.50 | 0.014 | 0.04 | <0.1 | 0.3  | 0.03 | 0.05 | 84   | 0.3  | 0.02  |
| 11CB1140A | Soil                             | 0.12 | 0.098 | 7.1  | 10.3 | 0.06 | 141.9 | 0.002 | <1   | 0.58 | 0.013 | 0.04 | <0.1 | 0.2  | 0.04 | 0.05 | 66   | 0.2  | <0.02 |
| 11CB1141A | Soil                             | 0.10 | 0.091 | 7.1  | 10.6 | 0.06 | 139.1 | 0.002 | <1   | 0.58 | 0.012 | 0.04 | <0.1 | 0.2  | 0.04 | 0.04 | 55   | 0.2  | 0.02  |
| 11CB1142A | Soil                             | 0.08 | 0.082 | 7.4  | 11.3 | 0.05 | 130.4 | 0.003 | <1   | 0.60 | 0.011 | 0.03 | <0.1 | 0.2  | 0.04 | 0.03 | 46   | 0.2  | <0.02 |
| 11CB1143A | Soil                             | 0.08 | 0.053 | 8.3  | 13.8 | 0.13 | 143.8 | 0.018 | <1   | 0.70 | 0.009 | 0.03 | <0.1 | 0.7  | 0.04 | 0.04 | 68   | 0.3  | <0.02 |
| 11CB1144A | Soil                             | 0.10 | 0.046 | 9.0  | 11.6 | 0.09 | 164.8 | 0.023 | <1   | 0.61 | 0.010 | 0.03 | <0.1 | 0.8  | 0.04 | 0.04 | 76   | 0.3  | <0.02 |
| 11CB1145A | Soil                             | 0.61 | 0.116 | 66.1 | 16.5 | 0.16 | 549.6 | 0.029 | 2    | 0.86 | 0.013 | 0.10 | <0.1 | 1.6  | 0.07 | 0.06 | 68   | 0.4  | <0.02 |



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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

| Method    | Analyte | Unit | MDL | SS80   | SS80   | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|---------|------|-----|--------|--------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
|           |         |      |     | -80 Wt | +80 Wt | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   |
|           |         |      |     | g      | g      | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  |
|           |         |      |     | 0      | 0.01   | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 |
| 11CB1146A | Soil    |      |     | 23.00  | 107.0  | 1.79 | 33.54 | 11.76 | 89.0  | 319  | 15.8 | 6.4  | 455  | 1.73 | 2.7  | 1.8  | 0.8  | 0.6  | 47.9 | 1.08 |
| 11CB1147A | Soil    |      |     | 8.000  | 68.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1152A | Soil    |      |     | 14.00  | 114.0  | 1.02 | 14.95 | 4.26  | 79.5  | 494  | 7.4  | 2.9  | 1143 | 1.06 | 1.8  | 0.3  | 1.8  | 0.1  | 24.1 | 0.40 |
| 11TB1153A | Soil    |      |     | 12.00  | 73.00  | 0.82 | 20.08 | 4.28  | 62.2  | 248  | 11.1 | 8.6  | 342  | 2.41 | 2.4  | 0.9  | 6.5  | 1.6  | 21.5 | 0.12 |
| 11TB1154A | Soil    |      |     | 9.000  | 58.00  | 0.52 | 13.06 | 2.79  | 55.1  | 144  | 9.8  | 8.7  | 387  | 1.98 | 2.1  | 0.5  | 1.0  | 1.0  | 22.5 | 0.11 |
| 11TB1155A | Soil    |      |     | 21.00  | 89.00  | 0.59 | 16.45 | 5.16  | 73.6  | 125  | 12.4 | 10.5 | 396  | 2.70 | 2.7  | 0.6  | 4.0  | 1.8  | 15.5 | 0.08 |
| 11TB1156A | Soil    |      |     | 17.00  | 97.00  | 1.68 | 24.51 | 4.38  | 229.0 | 522  | 10.2 | 9.4  | 4850 | 1.58 | 1.9  | 0.4  | 1.0  | 0.4  | 25.7 | 0.93 |
| 11TB1157A | Soil    |      |     | 29.00  | 128.0  | 1.11 | 25.61 | 5.54  | 53.8  | 589  | 14.0 | 9.2  | 1683 | 1.79 | 2.7  | 0.5  | 1.3  | 0.9  | 27.3 | 0.40 |
| 11TB1158A | Soil    |      |     | 21.00  | 151.0  | 1.67 | 17.49 | 6.39  | 61.2  | 313  | 11.4 | 14.8 | 3903 | 1.51 | 1.9  | 0.3  | 1.6  | 0.6  | 20.0 | 0.42 |
| 11TB1159A | Soil    |      |     | 13.00  | 100.00 | 1.55 | 50.30 | 6.59  | 36.7  | 1129 | 13.6 | 5.3  | 309  | 0.90 | 1.3  | 1.2  | 1.9  | <0.1 | 36.0 | 0.79 |
| 11TB1160A | Soil    |      |     | 11.00  | 98.00  | 1.33 | 55.46 | 7.02  | 44.0  | 1094 | 17.3 | 6.3  | 148  | 1.68 | 2.9  | 1.4  | 2.4  | 0.2  | 37.0 | 0.59 |
| 11TB1161A | Soil    |      |     | 15.00  | 98.00  | 1.18 | 68.63 | 7.16  | 39.8  | 1212 | 19.6 | 6.5  | 110  | 1.59 | 1.9  | 1.6  | 2.5  | 0.1  | 34.3 | 0.69 |
| 11TB1162A | Soil    |      |     | 14.00  | 161.0  | 1.24 | 26.64 | 6.49  | 63.1  | 963  | 13.3 | 13.7 | 592  | 2.74 | 3.3  | 1.0  | 10.3 | 2.1  | 25.6 | 0.49 |
| 11TB1163A | Soil    |      |     | 23.00  | 128.0  | 0.83 | 24.75 | 6.89  | 61.5  | 1563 | 15.0 | 10.1 | 257  | 2.40 | 2.5  | 0.9  | 4.2  | 1.5  | 29.9 | 0.50 |
| 11TB1164A | Soil    |      |     | 15.00  | 105.0  | 1.13 | 21.91 | 12.68 | 69.0  | 1648 | 13.3 | 14.7 | 1799 | 2.24 | 1.8  | 1.3  | 8.1  | 0.8  | 32.4 | 1.21 |
| 11TB1165A | Soil    |      |     | 15.00  | 119.0  | 1.38 | 48.54 | 35.58 | 99.3  | 2971 | 20.0 | 13.2 | 2573 | 1.87 | 1.4  | 1.5  | 5.3  | 1.1  | 42.0 | 6.15 |
| 11TB1166A | Soil    |      |     | 10.000 | 89.00  | 1.83 | 13.51 | 14.24 | 86.6  | 423  | 6.4  | 4.3  | 877  | 1.48 | 1.1  | 0.2  | 3.4  | 0.7  | 24.8 | 1.15 |
| 11TB1167A | Soil    |      |     | 30.00  | 127.0  | 1.36 | 13.33 | 6.21  | 33.8  | 161  | 8.1  | 5.4  | 254  | 1.88 | 2.0  | 0.3  | 2.4  | 0.5  | 49.4 | 0.34 |
| 11TB1168A | Soil    |      |     | 113.0  | 241.0  | 1.01 | 23.14 | 8.87  | 57.3  | 375  | 13.0 | 11.1 | 1725 | 1.83 | 2.9  | 0.7  | 1.3  | 3.1  | 73.6 | 0.43 |
| 11TB1169A | Soil    |      |     | 64.00  | 152.0  | 1.19 | 24.66 | 10.45 | 69.1  | 269  | 11.4 | 5.9  | 745  | 1.68 | 2.1  | 0.9  | 1.2  | 2.0  | 41.6 | 0.88 |
| 11TB1170A | Soil    |      |     | 194.0  | 358.0  | 0.48 | 8.84  | 5.64  | 16.6  | 46   | 3.0  | 1.9  | 125  | 1.01 | 1.6  | 0.3  | 4.3  | 1.2  | 16.1 | 0.15 |
| 11TB1171A | Soil    |      |     | 21.00  | 143.0  | 0.71 | 11.12 | 4.48  | 33.9  | 121  | 7.2  | 3.4  | 956  | 1.11 | 1.2  | 0.2  | 1.3  | 0.1  | 25.7 | 0.29 |
| 11TB1172A | Soil    |      |     | 17.00  | 114.0  | 0.71 | 18.27 | 5.13  | 31.2  | 294  | 6.5  | 3.7  | 179  | 1.38 | 1.6  | 0.7  | 1.5  | 0.3  | 33.6 | 0.23 |
| 11TB1173A | Soil    |      |     | 18.00  | 132.0  | 0.58 | 19.41 | 5.18  | 24.9  | 83   | 7.7  | 2.8  | 184  | 0.99 | 1.3  | 0.6  | 1.2  | <0.1 | 39.0 | 0.39 |
| 11TB1174A | Soil    |      |     | 15.00  | 93.00  | 0.83 | 13.80 | 5.49  | 45.7  | 97   | 9.8  | 9.3  | 802  | 1.48 | 2.8  | 0.6  | 1.3  | 0.3  | 42.7 | 0.43 |
| 11TB1175A | Soil    |      |     | 30.00  | 153.0  | 0.78 | 22.68 | 5.47  | 52.4  | 119  | 13.8 | 10.8 | 598  | 1.85 | 3.4  | 0.9  | 3.4  | 0.4  | 45.2 | 0.33 |
| 11TB1176A | Soil    |      |     | 53.00  | 178.0  | 0.81 | 27.38 | 6.21  | 55.8  | 86   | 21.5 | 14.0 | 671  | 2.46 | 4.3  | 0.8  | 3.1  | 1.1  | 47.7 | 0.16 |
| 11TB1177A | Soil    |      |     | 29.00  | 88.00  | 0.69 | 32.24 | 5.31  | 56.1  | 104  | 24.1 | 9.8  | 772  | 1.83 | 4.6  | 0.8  | 2.1  | 1.4  | 57.8 | 0.49 |
| 11TB1178A | Soil    |      |     | 3.000  | 61.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1179A | Soil    |      |     | 16.00  | 99.00  | 0.47 | 9.01  | 2.97  | 22.3  | 151  | 6.0  | 2.6  | 51   | 0.62 | 0.5  | 0.3  | 0.4  | 0.4  | 31.9 | 0.40 |



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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | Ca   | P     | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | %    | %     | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.01 | 0.001 | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11CB1146A | Soil                             | 0.53 | 0.090 | 67.9 | 18.0 | 0.18 | 531.5 | 0.023 | 1    | 0.96 | 0.012 | 0.08 | <0.1 | 1.6  | 0.05 | 0.06  | 68   | 0.2  | 0.03  |
| 11CB1147A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1152A | Soil                             | 0.46 | 0.110 | 4.4  | 9.2  | 0.15 | 207.5 | 0.038 | 2    | 0.52 | 0.012 | 0.08 | <0.1 | 1.1  | 0.06 | 0.05  | 118  | 0.3  | 0.02  |
| 11TB1153A | Soil                             | 0.33 | 0.080 | 13.9 | 18.7 | 0.65 | 293.1 | 0.112 | 1    | 1.48 | 0.011 | 0.22 | 0.2  | 5.2  | 0.16 | 0.06  | 70   | 0.3  | 0.04  |
| 11TB1154A | Soil                             | 0.33 | 0.072 | 12.6 | 15.9 | 0.58 | 307.4 | 0.103 | 2    | 1.20 | 0.014 | 0.17 | 0.2  | 4.1  | 0.09 | 0.06  | 67   | 0.4  | 0.03  |
| 11TB1155A | Soil                             | 0.23 | 0.054 | 11.1 | 23.0 | 0.83 | 211.8 | 0.142 | 2    | 1.70 | 0.013 | 0.22 | 0.2  | 4.7  | 0.19 | 0.04  | 44   | 0.2  | 0.05  |
| 11TB1156A | Soil                             | 0.39 | 0.078 | 8.0  | 15.6 | 0.37 | 558.0 | 0.039 | 1    | 0.86 | 0.014 | 0.09 | <0.1 | 2.2  | 0.08 | 0.05  | 109  | 0.2  | <0.02 |
| 11TB1157A | Soil                             | 0.57 | 0.072 | 9.4  | 17.3 | 0.46 | 360.0 | 0.060 | 1    | 1.03 | 0.012 | 0.16 | 0.1  | 2.6  | 0.07 | 0.05  | 68   | 0.2  | <0.02 |
| 11TB1158A | Soil                             | 0.33 | 0.070 | 7.7  | 14.6 | 0.35 | 569.8 | 0.054 | 1    | 0.84 | 0.014 | 0.09 | <0.1 | 2.0  | 0.07 | 0.03  | 59   | 0.2  | 0.03  |
| 11TB1159A | Soil                             | 0.47 | 0.122 | 17.5 | 8.6  | 0.15 | 497.2 | 0.012 | 2    | 0.52 | 0.016 | 0.07 | <0.1 | 0.9  | 0.04 | 0.08  | 186  | 0.4  | 0.03  |
| 11TB1160A | Soil                             | 0.50 | 0.087 | 23.8 | 19.1 | 0.29 | 421.1 | 0.042 | 2    | 1.23 | 0.013 | 0.08 | 0.1  | 2.6  | 0.07 | 0.07  | 135  | 0.4  | 0.03  |
| 11TB1161A | Soil                             | 0.48 | 0.094 | 23.8 | 19.3 | 0.25 | 390.2 | 0.027 | 2    | 1.17 | 0.013 | 0.07 | <0.1 | 1.7  | 0.06 | 0.07  | 125  | 0.3  | 0.05  |
| 11TB1162A | Soil                             | 0.57 | 0.091 | 16.6 | 24.3 | 0.69 | 288.5 | 0.096 | 2    | 1.82 | 0.009 | 0.14 | 0.2  | 6.1  | 0.14 | 0.04  | 89   | 0.3  | 0.04  |
| 11TB1163A | Soil                             | 0.63 | 0.064 | 15.9 | 28.2 | 0.71 | 346.0 | 0.092 | 2    | 1.67 | 0.014 | 0.09 | 0.1  | 5.6  | 0.13 | 0.04  | 79   | 0.2  | 0.03  |
| 11TB1164A | Soil                             | 0.61 | 0.094 | 21.1 | 19.3 | 0.52 | 374.1 | 0.052 | 3    | 1.29 | 0.011 | 0.08 | 0.1  | 7.2  | 0.10 | 0.06  | 107  | 0.4  | 0.02  |
| 11TB1165A | Soil                             | 0.78 | 0.094 | 41.2 | 17.7 | 0.32 | 821.3 | 0.038 | 2    | 0.99 | 0.016 | 0.07 | <0.1 | 5.0  | 0.06 | 0.05  | 103  | 0.3  | 0.03  |
| 11TB1166A | Soil                             | 0.87 | 0.080 | 4.0  | 8.9  | 0.27 | 344.8 | 0.014 | 4    | 0.60 | 0.009 | 0.10 | <0.1 | 2.7  | 0.06 | 0.09  | 84   | 0.2  | <0.02 |
| 11TB1167A | Soil                             | 0.58 | 0.046 | 5.9  | 11.7 | 0.36 | 320.2 | 0.039 | 2    | 1.10 | 0.012 | 0.06 | <0.1 | 2.6  | 0.07 | 0.03  | 61   | 0.3  | 0.03  |
| 11TB1168A | Soil                             | 1.38 | 0.131 | 16.4 | 15.9 | 0.31 | 1091  | 0.040 | 3    | 1.20 | 0.016 | 0.31 | <0.1 | 3.6  | 0.04 | 0.02  | 15   | 0.2  | 0.03  |
| 11TB1169A | Soil                             | 0.48 | 0.194 | 26.7 | 15.1 | 0.17 | 1001  | 0.034 | 2    | 1.01 | 0.019 | 0.17 | <0.1 | 3.4  | 0.05 | 0.02  | 14   | 0.3  | 0.03  |
| 11TB1170A | Soil                             | 0.14 | 0.116 | 6.8  | 10.3 | 0.10 | 196.6 | 0.020 | <1   | 0.73 | 0.019 | 0.15 | <0.1 | 1.5  | 0.05 | <0.02 | <5   | 0.2  | <0.02 |
| 11TB1171A | Soil                             | 0.26 | 0.069 | 4.2  | 10.6 | 0.12 | 297.7 | 0.018 | 2    | 0.49 | 0.014 | 0.07 | <0.1 | 0.4  | 0.05 | 0.03  | 53   | 0.2  | <0.02 |
| 11TB1172A | Soil                             | 0.25 | 0.059 | 11.4 | 13.2 | 0.18 | 285.9 | 0.035 | 1    | 1.07 | 0.012 | 0.08 | <0.1 | 1.7  | 0.06 | 0.04  | 87   | 0.3  | 0.03  |
| 11TB1173A | Soil                             | 0.20 | 0.083 | 9.7  | 10.3 | 0.12 | 196.6 | 0.005 | 1    | 0.68 | 0.013 | 0.06 | <0.1 | 0.3  | 0.03 | 0.05  | 79   | 0.3  | 0.03  |
| 11TB1174A | Soil                             | 0.61 | 0.088 | 6.9  | 15.8 | 0.29 | 219.5 | 0.031 | 2    | 0.82 | 0.014 | 0.06 | 0.1  | 1.9  | 0.05 | 0.08  | 78   | 0.4  | <0.02 |
| 11TB1175A | Soil                             | 0.57 | 0.085 | 10.1 | 19.1 | 0.39 | 261.0 | 0.035 | 2    | 1.05 | 0.013 | 0.05 | 0.1  | 2.4  | 0.05 | 0.05  | 57   | 0.3  | 0.02  |
| 11TB1176A | Soil                             | 0.59 | 0.084 | 11.7 | 25.6 | 0.54 | 337.8 | 0.057 | 1    | 1.53 | 0.015 | 0.06 | 0.2  | 3.6  | 0.07 | 0.05  | 60   | 0.4  | <0.02 |
| 11TB1177A | Soil                             | 1.24 | 0.096 | 10.2 | 20.3 | 0.46 | 269.1 | 0.046 | 4    | 1.02 | 0.023 | 0.07 | 0.1  | 3.2  | 0.06 | 0.07  | 77   | 0.4  | 0.02  |
| 11TB1178A | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1179A | Soil                             | 0.53 | 0.081 | 6.4  | 5.7  | 0.11 | 294.2 | 0.011 | 2    | 0.43 | 0.007 | 0.05 | <0.1 | 1.2  | 0.03 | 0.10  | 135  | 0.3  | <0.02 |



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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

| Method<br>Analyte | Unit<br>MDL | SS80   | SS80   | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-------------------|-------------|--------|--------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   |             | -80 Wt | +80 Wt | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   |
|                   |             | g      | g      | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  |
|                   |             | 0      | 0.01   | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 |
| 11TB1180A         | Soil        | 10.000 | 100.00 | 0.81 | 17.02 | 3.36  | 39.8  | 236  | 11.6 | 15.6 | 1404 | 1.27 | 0.9  | 1.1  | 1.6  | 0.6  | 82.0 | 0.45 | 0.26 | 0.36 |
| 11TB1181A         | Soil        | 13.00  | 88.00  | 0.79 | 15.81 | 3.28  | 34.5  | 180  | 10.5 | 12.8 | 1053 | 1.18 | 1.4  | 1.1  | 2.4  | 0.4  | 76.1 | 0.37 | 0.25 | 0.17 |
| 11TB1182A         | Soil        | 15.00  | 153.0  | 0.79 | 10.79 | 5.46  | 29.5  | 257  | 6.6  | 4.2  | 646  | 1.39 | 1.7  | 0.2  | 0.7  | 0.2  | 18.9 | 0.36 | 0.26 | 0.14 |
| 11TB1183A         | Soil        | 10.000 | 82.00  | 0.67 | 12.13 | 6.63  | 68.7  | 372  | 8.6  | 15.1 | 3166 | 1.25 | 1.8  | 0.2  | 0.8  | 0.1  | 65.3 | 0.91 | 0.27 | 0.14 |
| 11TB1184A         | Soil        | 12.00  | 110.0  | 1.01 | 11.72 | 7.24  | 53.6  | 278  | 11.9 | 10.0 | 3285 | 1.89 | 3.1  | 0.2  | 1.9  | 0.7  | 48.8 | 0.86 | 0.37 | 0.15 |
| 11TB1185A         | Soil        | 10.000 | 91.00  | 0.72 | 9.12  | 4.46  | 28.8  | 456  | 7.3  | 5.1  | 1120 | 0.95 | 2.0  | 0.2  | 0.6  | 0.1  | 44.9 | 0.54 | 0.23 | 0.13 |
| 11TB1186A         | Soil        | 210.0  | 332.0  | 1.01 | 15.41 | 9.86  | 131.8 | 294  | 14.8 | 12.4 | 2204 | 3.19 | 5.5  | 0.3  | 1.0  | 2.3  | 48.1 | 0.89 | 0.35 | 0.19 |
| 11TB1187A         | Soil        | 24.00  | 159.0  | 0.93 | 11.14 | 5.03  | 34.0  | 268  | 6.5  | 2.6  | 234  | 1.01 | 2.2  | 0.2  | 0.3  | 0.1  | 14.0 | 0.47 | 0.20 | 0.13 |
| 11TB1188A         | Soil        | 9.000  | 94.00  | 1.11 | 16.70 | 4.12  | 38.1  | 688  | 7.6  | 2.0  | 101  | 0.54 | 0.9  | 0.2  | 0.9  | <0.1 | 24.3 | 0.40 | 0.14 | 0.10 |
| 11TB1189A         | Soil        | 13.00  | 106.0  | 1.01 | 13.09 | 5.71  | 21.1  | 113  | 6.3  | 2.1  | 47   | 0.95 | 1.3  | 0.4  | 1.3  | <0.1 | 13.5 | 0.24 | 0.19 | 0.14 |
| 11TB1190A         | Soil        | 7.000  | 76.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1191A         | Soil        | 17.00  | 111.0  | 0.75 | 24.96 | 5.69  | 22.7  | 881  | 11.2 | 2.6  | 60   | 0.79 | 1.0  | 0.7  | 0.8  | <0.1 | 26.7 | 0.57 | 0.14 | 0.12 |
| 11TB1192A         | Soil        | 20.00  | 111.0  | 0.58 | 19.23 | 5.34  | 52.2  | 525  | 10.0 | 3.7  | 115  | 1.11 | 1.8  | 0.3  | 0.9  | <0.1 | 15.0 | 0.57 | 0.20 | 0.14 |
| 11TB1193A         | Soil        | 12.00  | 85.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1194A         | Soil        | 17.00  | 82.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1195A         | Soil        | 14.00  | 123.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1196A         | Soil        | 34.00  | 153.0  | 1.51 | 29.89 | 6.99  | 30.4  | 451  | 17.7 | 4.3  | 112  | 1.08 | 1.4  | 1.2  | 0.6  | 0.3  | 27.4 | 0.98 | 0.20 | 0.21 |
| 11TB1197A         | Soil        | 14.00  | 84.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1198A         | Soil        | 16.00  | 118.0  | 0.52 | 17.67 | 3.97  | 28.1  | 210  | 5.3  | 1.6  | 22   | 0.53 | 0.8  | 0.4  | 1.0  | <0.1 | 16.6 | 0.89 | 0.13 | 0.10 |
| 11TB1199A         | Soil        | 21.00  | 104.0  | 1.42 | 27.66 | 4.12  | 33.3  | 593  | 9.7  | 3.0  | 47   | 0.77 | 1.2  | 1.1  | 2.4  | <0.1 | 36.8 | 0.85 | 0.23 | 0.09 |
| 11TB1200A         | Soil        | 12.00  | 105.0  | 1.42 | 19.01 | 7.53  | 37.3  | 243  | 10.0 | 3.8  | 72   | 1.23 | 2.7  | 0.9  | 4.8  | 0.3  | 17.5 | 0.27 | 0.17 | 0.19 |
| 0 11CB0963A       | Soil        | 33.00  | 174.0  | 0.89 | 13.33 | 8.78  | 20.1  | 365  | 7.7  | 2.7  | 75   | 1.40 | 2.1  | 0.4  | 2.0  | <0.1 | 23.5 | 0.21 | 0.22 | 0.14 |
| 0 11CB0964A       | Soil        | 86.00  | 198.0  | 0.60 | 20.90 | 6.65  | 64.6  | 99   | 19.9 | 9.3  | 475  | 2.23 | 5.7  | 0.6  | 4.6  | 2.9  | 46.7 | 0.24 | 0.54 | 0.12 |
| 0 11CB0965A       | Soil        | 8.000  | 75.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 0 11CB0966A       | Soil        | 17.00  | 100.00 | 1.03 | 19.69 | 7.28  | 58.9  | 138  | 17.9 | 13.7 | 1173 | 2.21 | 6.2  | 0.9  | 4.4  | 1.5  | 62.8 | 0.47 | 0.58 | 0.12 |
| 0 11CB0992A DUP   | Soil        | 82.00  | 135.0  | 1.31 | 42.71 | 48.66 | 224.7 | 3463 | 18.2 | 8.5  | 2512 | 1.89 | 2.6  | 0.9  | 2.0  | 1.2  | 62.9 | 4.31 | 0.25 | 0.16 |
| 0 11CB1148A       | Soil        | 29.00  | 99.00  | 1.03 | 16.60 | 1.99  | 31.6  | 187  | 10.1 | 3.7  | 678  | 0.65 | 0.8  | 2.7  | 4.2  | 0.2  | 88.7 | 0.25 | 0.20 | 0.08 |
| 0 11TB1092ADUP    | Soil        | 34.00  | 99.00  | 1.21 | 27.24 | 6.67  | 38.7  | 619  | 9.6  | 3.5  | 133  | 1.05 | 0.9  | 0.9  | 3.3  | 0.2  | 47.8 | 1.02 | 0.21 | 0.11 |
| 0 11TB1033.1A     | Soil        | 65.00  | 137.0  | 1.24 | 23.59 | 13.08 | 79.2  | 350  | 11.3 | 9.7  | 278  | 2.69 | 3.0  | 0.8  | 7.4  | 1.2  | 27.5 | 0.22 | 0.17 | 0.08 |



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Project: Mariposa  
Report Date: November 09, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001224.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------------|----------------------------------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|                 |                                  | Ca   | P     | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|                 |                                  | %    | %     | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|                 |                                  | 0.01 | 0.001 | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11TB1180A       | Soil                             | 1.34 | 0.098 | 24.2 | 16.8 | 0.27 | 729.0 | 0.023 | 2    | 0.91 | 0.011 | 0.06 | 0.1  | 2.6  | 0.02 | 0.12  | 155  | 0.6  | 0.07  |
| 11TB1181A       | Soil                             | 1.20 | 0.095 | 22.4 | 13.6 | 0.25 | 652.3 | 0.022 | 2    | 0.85 | 0.011 | 0.06 | <0.1 | 2.6  | 0.10 | 0.11  | 149  | 0.4  | 0.03  |
| 11TB1182A       | Soil                             | 0.22 | 0.046 | 6.7  | 10.0 | 0.15 | 266.0 | 0.038 | 1    | 0.61 | 0.012 | 0.08 | 0.1  | 1.3  | 0.09 | 0.03  | 62   | 0.2  | 0.03  |
| 11TB1183A       | Soil                             | 0.77 | 0.111 | 3.8  | 9.6  | 0.20 | 581.6 | 0.031 | 2    | 0.51 | 0.010 | 0.10 | <0.1 | 0.8  | 0.08 | 0.09  | 176  | 0.5  | <0.02 |
| 11TB1184A       | Soil                             | 0.60 | 0.077 | 5.4  | 15.8 | 0.27 | 739.3 | 0.055 | 2    | 0.78 | 0.011 | 0.14 | 0.1  | 1.5  | 0.11 | 0.05  | 79   | 0.4  | <0.02 |
| 11TB1185A       | Soil                             | 0.46 | 0.089 | 3.0  | 8.3  | 0.13 | 455.8 | 0.027 | 1    | 0.42 | 0.011 | 0.07 | <0.1 | 0.7  | 0.07 | 0.08  | 157  | 0.4  | 0.02  |
| 11TB1186A       | Soil                             | 0.49 | 0.120 | 7.1  | 21.6 | 0.40 | 676.0 | 0.070 | 1    | 1.40 | 0.013 | 0.15 | <0.1 | 2.4  | 0.08 | <0.02 | <5   | 0.1  | 0.04  |
| 11TB1187A       | Soil                             | 0.15 | 0.089 | 3.5  | 9.9  | 0.10 | 140.0 | 0.005 | 1    | 0.69 | 0.010 | 0.05 | <0.1 | 0.3  | 0.05 | 0.05  | 79   | 0.3  | <0.02 |
| 11TB1188A       | Soil                             | 0.23 | 0.131 | 3.0  | 7.3  | 0.07 | 181.9 | 0.005 | 1    | 0.44 | 0.013 | 0.06 | <0.1 | 0.4  | 0.05 | 0.08  | 145  | 0.4  | <0.02 |
| 11TB1189A       | Soil                             | 0.10 | 0.087 | 4.6  | 9.6  | 0.06 | 138.4 | 0.011 | 1    | 0.59 | 0.014 | 0.04 | <0.1 | 0.4  | 0.05 | 0.05  | 101  | 0.4  | 0.04  |
| 11TB1190A       | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1191A       | Soil                             | 0.27 | 0.092 | 16.6 | 9.7  | 0.06 | 353.9 | 0.002 | <1   | 0.61 | 0.013 | 0.04 | <0.1 | 0.2  | 0.03 | 0.05  | 77   | 0.2  | <0.02 |
| 11TB1192A       | Soil                             | 0.14 | 0.061 | 14.5 | 11.6 | 0.12 | 238.6 | 0.010 | <1   | 0.58 | 0.010 | 0.05 | <0.1 | 0.3  | 0.06 | 0.03  | 34   | 0.2  | <0.02 |
| 11TB1193A       | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1194A       | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1195A       | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1196A       | Soil                             | 0.23 | 0.068 | 23.9 | 14.7 | 0.13 | 284.2 | 0.010 | <1   | 0.62 | 0.012 | 0.05 | <0.1 | 0.4  | 0.05 | 0.05  | 91   | 0.3  | <0.02 |
| 11TB1197A       | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11TB1198A       | Soil                             | 0.08 | 0.058 | 10.8 | 10.2 | 0.03 | 220.0 | 0.002 | <1   | 0.44 | 0.014 | 0.03 | <0.1 | 0.1  | 0.04 | 0.03  | 46   | 0.2  | 0.04  |
| 11TB1199A       | Soil                             | 0.23 | 0.107 | 48.9 | 11.0 | 0.07 | 391.9 | 0.002 | <1   | 0.47 | 0.016 | 0.06 | <0.1 | 0.2  | 0.05 | 0.07  | 91   | 0.2  | 0.04  |
| 11TB1200A       | Soil                             | 0.09 | 0.072 | 23.0 | 20.6 | 0.17 | 232.8 | 0.024 | <1   | 0.88 | 0.011 | 0.07 | <0.1 | 0.7  | 0.11 | 0.05  | 98   | 0.4  | 0.05  |
| 0 11CB0963A     | Soil                             | 0.16 | 0.056 | 6.3  | 14.7 | 0.13 | 193.5 | 0.021 | <1   | 0.88 | 0.015 | 0.04 | <0.1 | 0.4  | 0.05 | 0.03  | 58   | 0.2  | <0.02 |
| 0 11CB0964A     | Soil                             | 0.79 | 0.078 | 12.5 | 27.2 | 0.57 | 255.0 | 0.075 | 2    | 1.39 | 0.029 | 0.07 | 0.2  | 3.4  | 0.08 | 0.02  | 50   | 0.2  | 0.05  |
| 0 11CB0965A     | Soil                             | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 0 11CB0966A     | Soil                             | 1.18 | 0.097 | 11.4 | 22.6 | 0.48 | 283.0 | 0.054 | 3    | 1.16 | 0.026 | 0.06 | 0.2  | 3.0  | 0.08 | 0.08  | 76   | 0.4  | <0.02 |
| 0 11CB0992A DUP | Soil                             | 1.09 | 0.331 | 14.4 | 17.1 | 0.20 | 602.8 | 0.052 | <1   | 1.28 | 0.025 | 0.14 | <0.1 | 3.1  | 0.05 | 0.03  | 32   | 0.3  | 0.03  |
| 0 11CB1148A     | Soil                             | 1.63 | 0.081 | 29.1 | 10.3 | 0.13 | 613.4 | 0.014 | 2    | 0.50 | 0.014 | 0.03 | <0.1 | 0.8  | 0.06 | 0.16  | 125  | 0.5  | <0.02 |
| 0 11TB1092ADUP  | Soil                             | 0.93 | 0.066 | 25.7 | 12.1 | 0.25 | 568.0 | 0.026 | <1   | 0.76 | 0.017 | 0.07 | <0.1 | 2.1  | 0.06 | 0.06  | 82   | 0.2  | <0.02 |
| 0 11TB1033.1A   | Soil                             | 0.40 | 0.065 | 10.5 | 21.1 | 0.75 | 255.0 | 0.109 | <1   | 1.72 | 0.015 | 0.22 | 0.1  | 3.5  | 0.21 | 0.05  | 56   | 0.3  | 0.03  |



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Project: Mariposa

Report Date: November 09, 2011

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## QUALITY CONTROL REPORT

WHI11001224.1

| Method<br>Analyte<br>Unit<br>MDL |      | SS80   | SS80   | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------------------------|------|--------|--------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                  |      | -80 Wt | +80 Wt | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    |
|                                  |      | g      | g      | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  |
|                                  |      | 0      | 0.01   | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2    |
| Pulp Duplicates                  |      |        |        |      |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 11TB1056A                        | Soil | 32.00  | 171.0  | 0.69 | 20.42 | 6.39  | 51.8  | 156  | 11.3 | 6.1  | 209  | 2.02 | 3.2  | 0.7  | 3.2  | 0.6  | 34.7 | 0.20 | 0.26 | 0.08 | 47   |
| REP 11TB1056A                    | QC   |        |        | 0.69 | 19.69 | 6.08  | 49.1  | 141  | 11.1 | 5.9  | 202  | 1.97 | 3.1  | 0.7  | 3.3  | 0.6  | 32.8 | 0.22 | 0.27 | 0.20 | 46   |
| 11TB1072A                        | Soil | 4.000  | 98.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| REP 11TB1072A                    | QC   |        |        | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11TB1093A                        | Soil | 3.000  | 76.00  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| REP 11TB1093A                    | QC   |        |        | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11DS1118A                        | Soil | 10.000 | 104.0  | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| REP 11DS1118A                    | QC   |        |        | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11DS1131A                        | Soil | 27.00  | 112.0  | 1.35 | 15.11 | 8.92  | 218.2 | 735  | 10.3 | 7.0  | 3535 | 1.23 | 2.0  | 0.3  | 2.4  | 0.4  | 78.5 | 4.95 | 0.19 | 0.10 | 22   |
| REP 11DS1131A                    | QC   |        |        | 1.21 | 13.93 | 8.14  | 201.1 | 666  | 9.8  | 6.4  | 3280 | 1.18 | 1.9  | 0.3  | 3.7  | 0.4  | 72.5 | 4.58 | 0.20 | 0.23 | 22   |
| 11DS1142A                        | Soil | 37.00  | 107.0  | 0.65 | 20.99 | 6.09  | 69.6  | 92   | 17.2 | 7.8  | 465  | 1.91 | 5.0  | 0.6  | 1.3  | 1.3  | 60.3 | 0.62 | 0.46 | 0.18 | 42   |
| REP 11DS1142A                    | QC   |        |        | 0.60 | 19.28 | 5.66  | 63.1  | 96   | 15.8 | 7.0  | 428  | 1.73 | 4.4  | 0.5  | 4.5  | 1.1  | 54.3 | 0.58 | 0.42 | 0.26 | 37   |
| 11CB1025A                        | Soil | 21.00  | 114.0  | 4.81 | 22.03 | 5.84  | 56.6  | 3955 | 11.7 | 19.3 | 8713 | 2.37 | 1.5  | 0.5  | 0.4  | 0.6  | 27.5 | 0.65 | 0.26 | 0.12 | 53   |
| REP 11CB1025A                    | QC   |        |        | 4.87 | 21.56 | 5.82  | 56.5  | 3845 | 11.8 | 19.4 | 8374 | 2.35 | 1.7  | 0.5  | <0.2 | 0.5  | 27.5 | 0.65 | 0.24 | 0.10 | 53   |
| 11CB1033A                        | Soil | 27.00  | 107.0  | 1.17 | 57.99 | 212.7 | 316.9 | 4891 | 15.9 | 18.7 | 1224 | 3.40 | 2.3  | 4.0  | 11.0 | 3.4  | 72.4 | 5.94 | 0.42 | 0.09 | 68   |
| REP 11CB1033A                    | QC   |        |        | 1.10 | 59.07 | 214.8 | 322.9 | 4983 | 17.5 | 19.1 | 1241 | 3.43 | 2.8  | 4.0  | 14.4 | 3.4  | 73.3 | 6.35 | 0.38 | 0.10 | 69   |
| 11CB1041A                        | Soil | 222.0  | 322.0  | 0.90 | 12.65 | 8.94  | 77.6  | 324  | 11.1 | 7.8  | 1760 | 2.71 | 4.3  | 0.2  | 1.6  | 1.4  | 56.1 | 0.34 | 0.47 | 0.13 | 61   |
| REP 11CB1041A                    | QC   |        |        | 0.87 | 12.66 | 8.97  | 79.5  | 326  | 11.4 | 8.2  | 1805 | 2.80 | 4.5  | 0.2  | 0.6  | 1.5  | 59.4 | 0.33 | 0.37 | 0.14 | 62   |
| 11CB1049A                        | Soil | 42.00  | 119.0  | 0.89 | 15.22 | 5.71  | 35.5  | 198  | 8.1  | 2.6  | 200  | 1.04 | 2.4  | 0.2  | 0.7  | <0.1 | 16.6 | 0.42 | 0.26 | 0.28 | 30   |
| REP 11CB1049A                    | QC   |        |        | 0.89 | 15.99 | 6.10  | 38.8  | 225  | 8.4  | 2.7  | 215  | 1.12 | 2.5  | 0.3  | 1.7  | <0.1 | 18.2 | 0.45 | 0.27 | 0.17 | 32   |
| 11TB1120A                        | Soil | 36.00  | 115.0  | 0.67 | 48.87 | 5.51  | 43.7  | 1453 | 11.5 | 5.9  | 243  | 1.22 | 1.3  | 0.7  | 2.1  | 0.1  | 26.0 | 1.28 | 0.20 | 0.09 | 25   |
| REP 11TB1120A                    | QC   |        |        | 0.67 | 48.87 | 5.37  | 44.5  | 1471 | 11.6 | 5.7  | 239  | 1.20 | 1.3  | 0.7  | <0.2 | <0.1 | 26.0 | 1.30 | 0.20 | 0.09 | 25   |
| 11TB1132A                        | Soil | 39.00  | 137.0  | 0.83 | 13.92 | 3.42  | 22.1  | 104  | 5.3  | 1.8  | 37   | 0.66 | 0.7  | 0.4  | 0.8  | 0.1  | 30.8 | 0.35 | 0.14 | 0.07 | 12   |
| REP 11TB1132A                    | QC   |        |        | 0.84 | 13.78 | 3.36  | 22.7  | 108  | 4.9  | 1.8  | 36   | 0.65 | 0.9  | 0.4  | 1.1  | <0.1 | 30.6 | 0.36 | 0.13 | 0.06 | 11   |
| 11TB1146A                        | Soil | 18.00  | 76.00  | 0.72 | 21.96 | 3.76  | 45.9  | 498  | 11.5 | 3.9  | 176  | 1.42 | 2.0  | 1.2  | 2.6  | <0.1 | 33.3 | 0.25 | 0.20 | 0.09 | 27   |
| REP 11TB1146A                    | QC   |        |        | 0.73 | 22.00 | 3.71  | 46.5  | 499  | 11.1 | 3.6  | 171  | 1.40 | 2.1  | 1.2  | 3.3  | <0.1 | 33.5 | 0.26 | 0.17 | 0.10 | 26   |
| 11CB1134A                        | Soil | 39.00  | 148.0  | 0.98 | 23.35 | 6.33  | 113.0 | 555  | 10.9 | 5.1  | 304  | 1.79 | 3.5  | 0.4  | 0.5  | 1.2  | 28.9 | 0.66 | 0.26 | 0.12 | 33   |
| REP 11CB1134A                    | QC   |        |        | 0.99 | 24.15 | 6.26  | 113.8 | 567  | 11.3 | 5.1  | 310  | 1.84 | 3.3  | 0.4  | 0.6  | 1.2  | 29.0 | 0.71 | 0.25 | 0.12 | 34   |



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Report Date: November 09, 2011

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## QUALITY CONTROL REPORT

WHI11001224.1

|                 | Method | Analyte | Unit | MDL   | 1F15 | 1F15  | 1F15 | 1F15  | 1F15  | 1F15 | 1F15  | 1F15  | 1F15 | 1F15  | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |      |      |     |
|-----------------|--------|---------|------|-------|------|-------|------|-------|-------|------|-------|-------|------|-------|------|-------|-------|------|------|-------|------|------|-----|
|                 |        |         |      |       | Ca   | P     | La   | Cr    | Mg    | Ba   | Ti    | B     | Al   | Na    | K    | W     | Sc    | Tl   | S    | Hg    | Se   | Te   | Ga  |
|                 |        |         |      |       | %    | %     | ppm  | ppm   | %     | ppm  | %     | ppm   | %    | %     | %    | ppm   | ppm   | ppm  | %    | ppb   | ppm  | ppm  | ppm |
|                 |        |         |      |       | 0.01 | 0.001 | 0.5  | 0.5   | 0.01  | 0.5  | 0.001 | 1     | 0.01 | 0.001 | 0.01 | 0.1   | 0.1   | 0.02 | 0.02 | 5     | 0.1  | 0.02 | 0.1 |
| Pulp Duplicates |        |         |      |       |      |       |      |       |       |      |       |       |      |       |      |       |       |      |      |       |      |      |     |
| 11TB1056A       | Soil   |         | 0.37 | 0.064 | 9.7  | 20.0  | 0.41 | 198.1 | 0.048 | <1   | 1.35  | 0.014 | 0.05 | 0.1   | 2.4  | 0.09  | 0.04  | 50   | 0.2  | 0.04  | 5.8  |      |     |
| REP 11TB1056A   | QC     |         | 0.34 | 0.061 | 9.1  | 19.3  | 0.40 | 188.7 | 0.045 | 1    | 1.31  | 0.014 | 0.05 | 0.1   | 2.1  | 0.10  | 0.04  | 60   | 0.1  | 0.04  | 5.4  |      |     |
| 11TB1072A       | Soil   |         | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. |      |     |
| REP 11TB1072A   | QC     |         | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. |      |     |
| 11TB1093A       | Soil   |         | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. |      |     |
| REP 11TB1093A   | QC     |         | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. |      |     |
| 11DS1118A       | Soil   |         | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. |      |     |
| REP 11DS1118A   | QC     |         | I.S. | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S.  | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. |      |     |
| 11DS1131A       | Soil   |         | 1.94 | 0.117 | 9.4  | 12.3  | 0.42 | 707.5 | 0.027 | 5    | 0.75  | 0.011 | 0.13 | <0.1  | 1.6  | 0.06  | 0.13  | 115  | 0.3  | 0.02  | 2.9  |      |     |
| REP 11DS1131A   | QC     |         | 1.74 | 0.113 | 8.9  | 11.4  | 0.42 | 671.2 | 0.031 | 6    | 0.71  | 0.010 | 0.12 | <0.1  | 1.5  | 0.06  | 0.12  | 107  | 0.4  | <0.02 | 2.5  |      |     |
| 11DS1142A       | Soil   |         | 1.10 | 0.086 | 9.7  | 22.6  | 0.49 | 272.4 | 0.052 | 3    | 1.22  | 0.023 | 0.08 | 0.1   | 2.6  | 0.07  | 0.06  | 50   | 0.4  | 0.03  | 3.5  |      |     |
| REP 11DS1142A   | QC     |         | 1.01 | 0.077 | 8.5  | 20.2  | 0.45 | 248.6 | 0.042 | 1    | 1.09  | 0.020 | 0.07 | 0.2   | 2.2  | 0.05  | 0.05  | 60   | 0.3  | <0.02 | 3.1  |      |     |
| 11CB1025A       | Soil   |         | 0.50 | 0.089 | 9.0  | 15.8  | 0.47 | 593.4 | 0.097 | 2    | 1.07  | 0.026 | 0.25 | <0.1  | 2.7  | 0.15  | 0.06  | 118  | 0.3  | <0.02 | 6.1  |      |     |
| REP 11CB1025A   | QC     |         | 0.48 | 0.090 | 8.9  | 16.3  | 0.50 | 583.8 | 0.099 | 2    | 1.08  | 0.025 | 0.24 | 0.1   | 2.8  | 0.17  | 0.06  | 82   | 0.2  | <0.02 | 5.8  |      |     |
| 11CB1033A       | Soil   |         | 1.60 | 0.149 | 73.6 | 18.1  | 0.67 | 452.0 | 0.111 | 2    | 2.19  | 0.016 | 0.22 | 0.1   | 15.1 | 0.17  | 0.09  | 118  | 0.6  | <0.02 | 6.3  |      |     |
| REP 11CB1033A   | QC     |         | 1.63 | 0.148 | 74.7 | 18.6  | 0.67 | 450.1 | 0.114 | 2    | 2.29  | 0.015 | 0.22 | <0.1  | 15.1 | 0.17  | 0.09  | 119  | 0.6  | 0.03  | 6.3  |      |     |
| 11CB1041A       | Soil   |         | 0.81 | 0.074 | 6.1  | 14.6  | 0.56 | 611.9 | 0.072 | 2    | 1.24  | 0.012 | 0.28 | <0.1  | 2.4  | 0.03  | <0.02 | 7    | 0.2  | 0.06  | 5.9  |      |     |
| REP 11CB1041A   | QC     |         | 0.84 | 0.074 | 6.5  | 15.6  | 0.59 | 652.2 | 0.076 | 3    | 1.26  | 0.013 | 0.29 | <0.1  | 2.6  | 0.03  | <0.02 | <5   | 0.1  | 0.04  | 6.1  |      |     |
| 11CB1049A       | Soil   |         | 0.17 | 0.071 | 4.5  | 12.6  | 0.12 | 135.2 | 0.013 | 1    | 0.54  | 0.010 | 0.07 | <0.1  | 0.3  | 0.07  | 0.05  | 85   | 0.2  | 0.04  | 3.2  |      |     |
| REP 11CB1049A   | QC     |         | 0.18 | 0.072 | 4.9  | 14.0  | 0.13 | 147.8 | 0.015 | <1   | 0.59  | 0.011 | 0.07 | <0.1  | 0.4  | 0.07  | 0.05  | 85   | 0.3  | 0.02  | 3.5  |      |     |
| 11TB1120A       | Soil   |         | 0.39 | 0.085 | 16.2 | 13.5  | 0.23 | 493.0 | 0.023 | <1   | 0.70  | 0.016 | 0.07 | <0.1  | 1.2  | 0.07  | 0.05  | 89   | 0.2  | 0.02  | 3.1  |      |     |
| REP 11TB1120A   | QC     |         | 0.38 | 0.085 | 16.3 | 14.0  | 0.22 | 484.3 | 0.023 | <1   | 0.68  | 0.015 | 0.07 | <0.1  | 1.2  | 0.06  | 0.05  | 70   | 0.3  | <0.02 | 2.9  |      |     |
| 11TB1132A       | Soil   |         | 0.30 | 0.065 | 12.5 | 7.6   | 0.06 | 348.2 | 0.010 | 1    | 0.49  | 0.013 | 0.04 | <0.1  | 0.6  | 0.02  | 0.05  | 69   | 0.1  | 0.02  | 2.2  |      |     |
| REP 11TB1132A   | QC     |         | 0.29 | 0.065 | 12.4 | 7.3   | 0.05 | 348.7 | 0.009 | 1    | 0.49  | 0.012 | 0.04 | <0.1  | 0.6  | <0.02 | 0.05  | 71   | 0.2  | <0.02 | 2.1  |      |     |
| 11TB1146A       | Soil   |         | 0.44 | 0.109 | 9.0  | 16.3  | 0.28 | 323.1 | 0.017 | 1    | 0.95  | 0.012 | 0.11 | <0.1  | 0.8  | 0.09  | 0.10  | 130  | 0.2  | 0.03  | 3.2  |      |     |
| REP 11TB1146A   | QC     |         | 0.43 | 0.108 | 8.5  | 15.2  | 0.28 | 322.0 | 0.016 | 1    | 0.93  | 0.011 | 0.11 | <0.1  | 0.9  | 0.09  | 0.10  | 111  | 0.3  | <0.02 | 3.3  |      |     |
| 11CB1134A       | Soil   |         | 0.23 | 0.160 | 7.3  | 15.1  | 0.19 | 565.8 | 0.046 | <1   | 1.03  | 0.011 | 0.12 | <0.1  | 2.0  | 0.04  | 0.03  | 24   | 0.3  | 0.02  | 3.8  |      |     |
| REP 11CB1134A   | QC     |         | 0.23 | 0.165 | 7.3  | 15.4  | 0.19 | 576.9 | 0.046 | <1   | 1.05  | 0.011 | 0.13 | <0.1  | 2.0  | 0.04  | 0.03  | 22   | 0.3  | <0.02 | 3.8  |      |     |



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Project: Mariposa

Report Date: November 09, 2011

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## QUALITY CONTROL REPORT

WHI11001224.1

|                     |          | SS80   | SS80   | 1F15  | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 |
|---------------------|----------|--------|--------|-------|-------|-------|-------|------|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|------|
|                     |          | -80 Wt | +80 Wt | Mo    | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe    | As   | U    | Au    | Th   | Sr   | Cd    | Sb    | Bi    | V    |
|                     |          | g      | g      | ppm   | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %     | ppm  | ppm  | ppb   | ppm  | ppm  | ppm   | ppm   | ppm   | ppm  |
|                     |          | 0      | 0.01   | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01  | 0.1  | 0.1  | 0.2   | 0.1  | 0.5  | 0.01  | 0.02  | 0.02  | 2    |
| 11TB1155A           | Soil     | 21.00  | 89.00  | 0.59  | 16.45 | 5.16  | 73.6  | 125  | 12.4 | 10.5 | 396  | 2.70  | 2.7  | 0.6  | 4.0   | 1.8  | 15.5 | 0.08  | 0.16  | 0.10  | 64   |
| REP 11TB1155A       | QC       |        |        | 0.70  | 16.63 | 5.39  | 77.1  | 115  | 12.0 | 11.0 | 404  | 2.80  | 2.8  | 0.6  | 2.2   | 1.8  | 16.5 | 0.12  | 0.16  | 0.09  | 67   |
| 11TB1176A           | Soil     | 53.00  | 178.0  | 0.81  | 27.38 | 6.21  | 55.8  | 86   | 21.5 | 14.0 | 671  | 2.46  | 4.3  | 0.8  | 3.1   | 1.1  | 47.7 | 0.16  | 0.42  | 0.13  | 57   |
| REP 11TB1176A       | QC       |        |        | 0.73  | 26.98 | 6.12  | 54.4  | 79   | 21.3 | 14.2 | 669  | 2.43  | 4.1  | 0.8  | 1.8   | 1.0  | 46.6 | 0.14  | 0.39  | 0.13  | 55   |
| 11TB1196A           | Soil     | 34.00  | 153.0  | 1.51  | 29.89 | 6.99  | 30.4  | 451  | 17.7 | 4.3  | 112  | 1.08  | 1.4  | 1.2  | 0.6   | 0.3  | 27.4 | 0.98  | 0.20  | 0.21  | 23   |
| REP 11TB1196A       | QC       |        |        | 1.59  | 30.25 | 7.38  | 31.9  | 449  | 17.6 | 4.5  | 118  | 1.13  | 1.9  | 1.1  | 1.3   | 0.6  | 27.4 | 0.91  | 0.21  | 0.34  | 24   |
| 0 11CB0964A         | Soil     | 86.00  | 198.0  | 0.60  | 20.90 | 6.65  | 64.6  | 99   | 19.9 | 9.3  | 475  | 2.23  | 5.7  | 0.6  | 4.6   | 2.9  | 46.7 | 0.24  | 0.54  | 0.12  | 48   |
| REP 0 11CB0964A     | QC       |        |        | 0.68  | 21.10 | 6.87  | 64.8  | 94   | 20.5 | 10.0 | 496  | 2.32  | 5.9  | 0.6  | 10.0  | 3.2  | 49.1 | 0.28  | 0.52  | 0.13  | 50   |
| Reference Materials |          |        |        |       |       |       |       |      |      |      |      |       |      |      |       |      |      |       |       |       |      |
| STD DS8             | Standard |        |        | 12.95 | 106.4 | 119.2 | 303.9 | 1694 | 36.6 | 7.4  | 608  | 2.38  | 24.2 | 2.8  | 99.3  | 7.5  | 68.1 | 2.28  | 5.60  | 6.30  | 44   |
| STD DS8             | Standard |        |        | 12.51 | 104.9 | 120.4 | 301.6 | 1739 | 36.0 | 7.3  | 587  | 2.41  | 24.6 | 2.6  | 111.2 | 6.5  | 62.5 | 2.33  | 5.37  | 6.01  | 41   |
| STD DS8             | Standard |        |        | 11.18 | 108.4 | 122.5 | 303.6 | 1767 | 35.1 | 6.9  | 580  | 2.38  | 23.9 | 2.7  | 111.0 | 6.4  | 59.6 | 2.19  | 5.35  | 6.61  | 40   |
| STD DS8             | Standard |        |        | 13.00 | 101.8 | 119.4 | 299.7 | 1749 | 35.8 | 7.2  | 594  | 2.42  | 23.1 | 2.6  | 136.5 | 6.5  | 62.3 | 2.16  | 5.20  | 5.77  | 44   |
| STD DS8             | Standard |        |        | 12.55 | 97.36 | 120.6 | 310.3 | 1818 | 35.8 | 7.3  | 605  | 2.37  | 24.1 | 2.6  | 110.1 | 6.6  | 63.9 | 2.31  | 5.42  | 5.50  | 40   |
| STD DS8             | Standard |        |        | 12.26 | 105.0 | 123.1 | 299.8 | 1710 | 38.5 | 7.8  | 587  | 2.43  | 22.6 | 2.6  | 104.6 | 5.8  | 54.4 | 2.02  | 4.83  | 5.88  | 43   |
| STD DS8             | Standard |        |        | 12.77 | 107.5 | 125.4 | 306.4 | 1809 | 38.5 | 7.6  | 607  | 2.53  | 22.9 | 2.7  | 117.4 | 6.0  | 56.9 | 2.17  | 4.93  | 6.15  | 45   |
| STD DS8             | Standard |        |        | 12.54 | 108.7 | 122.2 | 312.7 | 1797 | 39.0 | 8.0  | 606  | 2.47  | 23.6 | 2.5  | 106.2 | 6.1  | 55.9 | 2.26  | 5.12  | 6.16  | 42   |
| STD DS8             | Standard |        |        | 12.86 | 103.2 | 120.5 | 297.6 | 1712 | 37.1 | 7.3  | 579  | 2.39  | 23.1 | 2.6  | 109.3 | 6.3  | 55.7 | 2.16  | 4.96  | 5.97  | 39   |
| STD DS8             | Standard |        |        | 13.90 | 111.4 | 125.7 | 308.3 | 1773 | 39.8 | 7.8  | 636  | 2.51  | 23.3 | 3.0  | 111.3 | 7.6  | 64.3 | 2.19  | 5.33  | 6.03  | 42   |
| STD DS8             | Standard |        |        | 12.77 | 104.8 | 116.5 | 301.0 | 1674 | 36.8 | 6.9  | 608  | 2.39  | 24.6 | 2.7  | 107.6 | 6.5  | 64.9 | 2.29  | 5.69  | 6.39  | 39   |
| STD DS8 Expected    |          |        |        | 13.44 | 110   | 123   | 312   | 1690 | 38.1 | 7.5  | 615  | 2.46  | 26   | 2.8  | 107   | 6.89 | 67.7 | 2.38  | 5.7   | 6.67  | 41.1 |
| BLK                 | Blank    |        |        | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   |
| BLK                 | Blank    |        |        | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   |
| BLK                 | Blank    |        |        | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   |
| BLK                 | Blank    |        |        | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   |
| BLK                 | Blank    |        |        | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   |
| BLK                 | Blank    |        |        | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   |
| BLK                 | Blank    |        |        | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   |
| BLK                 | Blank    |        |        | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   |





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Report Date: November 09, 2011

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## QUALITY CONTROL REPORT

WHI11001224.1

|                     |          | 1F15<br>Ca<br>% | 1F15<br>P<br>% | 1F15<br>La<br>ppm | 1F15<br>Cr<br>ppm | 1F15<br>Mg<br>% | 1F15<br>Ba<br>ppm | 1F15<br>Ti<br>% | 1F15<br>B<br>ppm | 1F15<br>Al<br>% | 1F15<br>Na<br>% | 1F15<br>K<br>% | 1F15<br>W<br>ppm | 1F15<br>Sc<br>ppm | 1F15<br>Ti<br>ppm | 1F15<br>S<br>% | 1F15<br>Hg<br>ppb | 1F15<br>Se<br>ppm | 1F15<br>Te<br>ppm | 1F15<br>Ga<br>ppm |
|---------------------|----------|-----------------|----------------|-------------------|-------------------|-----------------|-------------------|-----------------|------------------|-----------------|-----------------|----------------|------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|-------------------|
|                     |          | 0.01            | 0.001          | 0.5               | 0.5               | 0.01            | 0.5               | 0.001           | 1                | 0.01            | 0.001           | 0.01           | 0.1              | 0.1               | 0.02              | 0.02           | 5                 | 0.1               | 0.02              | 0.1               |
| 11TB1155A           | Soil     | 0.23            | 0.054          | 11.1              | 23.0              | 0.83            | 211.8             | 0.142           | 2                | 1.70            | 0.013           | 0.22           | 0.2              | 4.7               | 0.19              | 0.04           | 44                | 0.2               | 0.05              | 6.4               |
| REP 11TB1155A       | QC       | 0.25            | 0.058          | 11.7              | 24.1              | 0.87            | 229.0             | 0.149           | 2                | 1.76            | 0.013           | 0.22           | 0.2              | 4.9               | 0.19              | 0.04           | 46                | 0.3               | 0.05              | 6.8               |
| 11TB1176A           | Soil     | 0.59            | 0.084          | 11.7              | 25.6              | 0.54            | 337.8             | 0.057           | 1                | 1.53            | 0.015           | 0.06           | 0.2              | 3.6               | 0.07              | 0.05           | 60                | 0.4               | <0.02             | 5.1               |
| REP 11TB1176A       | QC       | 0.58            | 0.086          | 11.4              | 24.4              | 0.54            | 326.0             | 0.056           | 1                | 1.49            | 0.015           | 0.06           | 0.1              | 3.6               | 0.07              | 0.05           | 66                | 0.4               | 0.02              | 5.0               |
| 11TB1196A           | Soil     | 0.23            | 0.068          | 23.9              | 14.7              | 0.13            | 284.2             | 0.010           | <1               | 0.62            | 0.012           | 0.05           | <0.1             | 0.4               | 0.05              | 0.05           | 91                | 0.3               | <0.02             | 3.3               |
| REP 11TB1196A       | QC       | 0.24            | 0.067          | 24.5              | 15.3              | 0.15            | 289.1             | 0.012           | <1               | 0.64            | 0.012           | 0.05           | <0.1             | 0.5               | 0.05              | 0.05           | 59                | 0.4               | <0.02             | 3.3               |
| 0 11CB0964A         | Soil     | 0.79            | 0.078          | 12.5              | 27.2              | 0.57            | 255.0             | 0.075           | 2                | 1.39            | 0.029           | 0.07           | 0.2              | 3.4               | 0.08              | 0.02           | 50                | 0.2               | 0.05              | 4.3               |
| REP 0 11CB0964A     | QC       | 0.82            | 0.086          | 13.0              | 29.0              | 0.59            | 265.4             | 0.078           | 2                | 1.44            | 0.030           | 0.07           | 0.2              | 3.6               | 0.08              | 0.02           | 38                | 0.2               | 0.03              | 4.3               |
| Reference Materials |          |                 |                |                   |                   |                 |                   |                 |                  |                 |                 |                |                  |                   |                   |                |                   |                   |                   |                   |
| STD DS8             | Standard | 0.75            | 0.080          | 15.4              | 116.9             | 0.60            | 272.7             | 0.115           | 2                | 1.20            | 0.185           | 0.51           | 2.9              | 2.5               | 5.32              | 0.14           | 175               | 5.0               | 4.82              | 4.8               |
| STD DS8             | Standard | 0.68            | 0.079          | 14.1              | 117.1             | 0.60            | 273.1             | 0.101           | 2                | 0.97            | 0.107           | 0.43           | 2.8              | 2.0               | 5.22              | 0.15           | 181               | 5.1               | 4.78              | 4.4               |
| STD DS8             | Standard | 0.66            | 0.085          | 12.2              | 116.9             | 0.59            | 248.2             | 0.098           | 2                | 0.88            | 0.089           | 0.41           | 2.8              | 2.0               | 5.46              | 0.16           | 216               | 5.2               | 4.69              | 4.4               |
| STD DS8             | Standard | 0.72            | 0.074          | 15.6              | 121.6             | 0.59            | 268.2             | 0.111           | 2                | 0.99            | 0.116           | 0.43           | 3.0              | 2.3               | 5.46              | 0.15           | 179               | 5.1               | 5.06              | 4.7               |
| STD DS8             | Standard | 0.70            | 0.077          | 14.4              | 122.2             | 0.58            | 268.6             | 0.104           | 2                | 0.88            | 0.084           | 0.40           | 3.0              | 2.1               | 5.69              | 0.16           | 210               | 5.5               | 5.45              | 4.8               |
| STD DS8             | Standard | 0.67            | 0.073          | 12.7              | 118.4             | 0.59            | 247.0             | 0.101           | 2                | 0.86            | 0.080           | 0.40           | 2.8              | 2.2               | 5.38              | 0.16           | 195               | 5.2               | 5.15              | 4.6               |
| STD DS8             | Standard | 0.69            | 0.077          | 13.4              | 122.1             | 0.62            | 264.3             | 0.105           | 2                | 0.91            | 0.085           | 0.42           | 3.2              | 2.2               | 5.63              | 0.16           | 197               | 5.3               | 5.13              | 4.6               |
| STD DS8             | Standard | 0.69            | 0.076          | 12.7              | 122.5             | 0.60            | 251.6             | 0.103           | 2                | 0.92            | 0.095           | 0.43           | 3.0              | 2.0               | 5.53              | 0.17           | 217               | 5.1               | 5.05              | 4.7               |
| STD DS8             | Standard | 0.65            | 0.075          | 13.8              | 116.4             | 0.58            | 244.9             | 0.098           | 3                | 0.86            | 0.084           | 0.39           | 2.6              | 2.2               | 5.35              | 0.15           | 215               | 5.1               | 4.96              | 4.5               |
| STD DS8             | Standard | 0.73            | 0.076          | 17.6              | 125.2             | 0.62            | 255.2             | 0.123           | 2                | 0.95            | 0.093           | 0.41           | 2.9              | 2.3               | 5.31              | 0.16           | 208               | 4.9               | 4.90              | 4.7               |
| STD DS8             | Standard | 0.70            | 0.077          | 15.0              | 113.1             | 0.61            | 272.7             | 0.117           | 2                | 0.97            | 0.100           | 0.42           | 3.1              | 2.2               | 5.18              | 0.16           | 179               | 5.4               | 4.78              | 4.6               |
| STD DS8 Expected    |          | 0.7             | 0.08           | 14.6              | 115               | 0.6045          | 279               | 0.113           | 2.6              | 0.93            | 0.0883          | 0.41           | 3                | 2.3               | 5.4               | 0.1679         | 192               | 5.23              | 5                 | 4.7               |
| BLK                 | Blank    | <0.01           | <0.001         | <0.5              | <0.5              | <0.01           | <0.5              | <0.001          | <1               | <0.01           | <0.001          | <0.01          | <0.1             | <0.1              | <0.02             | <0.02          | <5                | <0.1              | <0.02             | <0.1              |
| BLK                 | Blank    | <0.01           | <0.001         | <0.5              | <0.5              | <0.01           | <0.5              | <0.001          | <1               | <0.01           | <0.001          | <0.01          | <0.1             | <0.1              | <0.02             | <0.02          | <5                | <0.1              | <0.02             | <0.1              |
| BLK                 | Blank    | <0.01           | <0.001         | <0.5              | <0.5              | <0.01           | <0.5              | <0.001          | <1               | <0.01           | <0.001          | <0.01          | <0.1             | <0.1              | <0.02             | <0.02          | <5                | <0.1              | <0.02             | <0.1              |
| BLK                 | Blank    | <0.01           | <0.001         | <0.5              | <0.5              | <0.01           | <0.5              | <0.001          | <1               | <0.01           | <0.001          | <0.01          | <0.1             | <0.1              | <0.02             | <0.02          | <5                | <0.1              | <0.02             | <0.1              |
| BLK                 | Blank    | <0.01           | <0.001         | <0.5              | <0.5              | <0.01           | <0.5              | <0.001          | <1               | <0.01           | <0.001          | <0.01          | <0.1             | <0.1              | <0.02             | <0.02          | <5                | <0.1              | <0.02             | <0.1              |
| BLK                 | Blank    | <0.01           | <0.001         | <0.5              | <0.5              | <0.01           | <0.5              | <0.001          | <1               | <0.01           | <0.001          | <0.01          | <0.1             | <0.1              | <0.02             | <0.02          | <5                | <0.1              | <0.02             | <0.1              |
| BLK                 | Blank    | <0.01           | <0.001         | <0.5              | <0.5              | <0.01           | <0.5              | <0.001          | <1               | <0.01           | <0.001          | <0.01          | <0.1             | <0.1              | <0.02             | <0.02          | <5                | <0.1              | <0.02             | <0.1              |
| BLK                 | Blank    | <0.01           | <0.001         | <0.5              | <0.5              | <0.01           | <0.5              | <0.001          | <1               | <0.01           | <0.001          | <0.01          | <0.1             | <0.1              | <0.02             | <0.02          | <5                | <0.1              | <0.02             | <0.1              |



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Vancouver BC V6E 3T5 Canada

**Project:** Mariposa

**Report Date:** November 09, 2011

**Page:** 3 of 3 **Part** 1

## QUALITY CONTROL REPORT

WHI11001224.1

|     |       | SS80   | SS80   | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15  |
|-----|-------|--------|--------|-------|-------|-------|------|------|------|------|------|-------|------|------|------|------|------|-------|-------|-------|
|     |       | -80 Wt | +80 Wt | Mo    | Cu    | Pb    | Zn   | Ag   | Ni   | Co   | Mn   | Fe    | As   | U    | Au   | Th   | Sr   | Cd    | Sb    | Bi    |
|     |       | g      | g      | ppm   | ppm   | ppm   | ppm  | ppb  | ppm  | ppm  | ppm  | %     | ppm  | ppm  | ppb  | ppm  | ppm  | ppm   | ppm   | ppm   |
|     |       | 0      | 0.01   | 0.01  | 0.01  | 0.01  | 0.1  | 2    | 0.1  | 0.1  | 1    | 0.01  | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01  | 0.02  | 0.02  |
| BLK | Blank |        |        | <0.01 | <0.01 | <0.01 | <0.1 | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 |
| BLK | Blank |        |        | <0.01 | <0.01 | <0.01 | <0.1 | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 |
| BLK | Blank |        |        | <0.01 | <0.01 | <0.01 | <0.1 | <2   | <0.1 | <0.1 | 6    | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 |



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**Report Date:** November 09, 2011

**Page:** 3 of 3 **Part** 2

## QUALITY CONTROL REPORT

WHI11001224.1

|     |       | 1F15  | 1F15   | 1F15 | 1F15 | 1F15  | 1F15 | 1F15   | 1F15 | 1F15  | 1F15   | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |
|-----|-------|-------|--------|------|------|-------|------|--------|------|-------|--------|-------|------|------|-------|-------|------|------|-------|
|     |       | Ca    | P      | La   | Cr   | Mg    | Ba   | Ti     | B    | Al    | Na     | K     | W    | Sc   | Tl    | S     | Hg   | Se   | Te    |
|     |       | %     | %      | ppm  | ppm  | %     | ppm  | %      | ppm  | %     | %      | %     | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   |
|     |       | 0.01  | 0.001  | 0.5  | 0.5  | 0.01  | 0.5  | 0.001  | 1    | 0.01  | 0.001  | 0.01  | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  |
| BLK | Blank | <0.01 | <0.001 | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1   | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5   | <0.1 | <0.02 |
| BLK | Blank | <0.01 | <0.001 | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1   | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5   | <0.1 | <0.02 |
| BLK | Blank | <0.01 | <0.001 | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1   | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5   | <0.1 | <0.02 |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 17, 2011

Report Date: November 22, 2011

Page: 1 of 10

## CERTIFICATE OF ANALYSIS

WHI11001345.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-25  
P.O. Number  
Number of Samples: 250

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 246               | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 246               | Dry at 60C                                            |              |               | WHI |
| RJSV        | 246               | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F02        | 211               | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Vancouver BC V6E 3T5 Canada

Project: Mariposa  
Report Date: November 22, 2011

Page: 2 of 10 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte | Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|-------------------|-------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|           |                   |             | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    |
|           |                   |             | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | %    |
|           |                   |             | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2    |
| 11CB0912A | Soil              |             | 0.85 | 13.51 | 6.19  | 30.0  | 962  | 9.8  | 3.3  | 116  | 1.12 | 2.4  | 0.2  | 4.6  | <0.1 | 29.7 | 0.50 | 0.25 | 0.22 | 27   |
| 11CB0913A | Soil              |             | 0.65 | 16.17 | 7.22  | 29.9  | 1183 | 8.0  | 2.9  | 144  | 0.93 | 1.7  | 0.3  | 5.4  | <0.1 | 28.1 | 0.35 | 0.21 | 0.19 | 24   |
| 11CB0914A | Soil              |             | 1.31 | 16.17 | 5.35  | 21.8  | 1099 | 8.4  | 3.0  | 99   | 0.85 | 1.3  | 0.5  | 3.2  | <0.1 | 50.6 | 0.34 | 0.21 | 0.11 | 16   |
| 11CB0915A | Soil              |             | 0.75 | 13.29 | 7.15  | 21.3  | 361  | 8.6  | 4.2  | 324  | 0.77 | 1.0  | 0.2  | 3.2  | <0.1 | 62.3 | 0.45 | 0.18 | 0.13 | 20   |
| 11CB0916A | Soil              |             | 0.89 | 11.62 | 5.28  | 87.5  | 574  | 9.0  | 9.6  | 4289 | 0.88 | 0.7  | 0.1  | 6.1  | <0.1 | 99.6 | 0.93 | 0.23 | 0.10 | 23   |
| 11CB0917A | Soil              |             | 0.83 | 21.87 | 6.90  | 26.6  | 600  | 13.3 | 4.5  | 151  | 1.69 | 2.4  | 0.9  | 2.4  | 0.5  | 44.2 | 0.34 | 0.24 | 0.12 | 36   |
| 11CB0918A | Soil              |             | 0.79 | 35.92 | 9.23  | 40.4  | 208  | 17.0 | 8.4  | 203  | 2.05 | 3.3  | 1.1  | 3.1  | 0.5  | 45.9 | 0.35 | 0.24 | 0.14 | 38   |
| 11CB0919A | Soil              |             | 0.86 | 28.77 | 6.22  | 29.4  | 708  | 16.0 | 7.0  | 276  | 1.31 | 1.9  | 0.8  | 2.4  | <0.1 | 48.7 | 0.79 | 0.20 | 0.13 | 23   |
| 11CB0920A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0921A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0922A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0923A | Soil              |             | 1.50 | 19.74 | 5.89  | 65.1  | 181  | 6.3  | 3.2  | 1281 | 0.74 | 1.0  | 0.4  | 3.8  | 0.3  | 82.0 | 0.82 | 0.48 | 0.09 | 10   |
| 11CB0924A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0925A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0926A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0927A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0928A | Soil              |             | 2.47 | 36.37 | 11.57 | 30.5  | 508  | 9.5  | 3.7  | 121  | 1.18 | 1.1  | 2.2  | 4.2  | 0.5  | 33.2 | 0.41 | 0.23 | 0.18 | 23   |
| 11CB0929A | Soil              |             | 5.52 | 28.38 | 19.36 | 39.5  | 596  | 8.3  | 24.9 | 6439 | 1.40 | 2.2  | 2.4  | 10.3 | 0.8  | 75.3 | 1.16 | 0.71 | 0.18 | 24   |
| 11CB0930A | Soil              |             | 3.45 | 42.72 | 10.91 | 105.2 | 1002 | 14.4 | 5.7  | 1084 | 1.95 | 2.3  | 1.5  | 11.7 | 3.5  | 42.8 | 1.10 | 0.25 | 0.27 | 37   |
| 11CB0931A | Soil              |             | 3.18 | 29.87 | 12.39 | 71.1  | 784  | 20.7 | 9.5  | 376  | 2.88 | 5.0  | 2.9  | 3.5  | 5.1  | 41.4 | 0.67 | 0.35 | 0.25 | 56   |
| 11CB0932A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0933A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11CB0934A | Soil              |             | 1.05 | 32.07 | 17.29 | 215.2 | 2782 | 12.2 | 4.1  | 2645 | 1.35 | 1.3  | 1.5  | 0.6  | 2.5  | 74.9 | 1.92 | 0.20 | 0.20 | 25   |
| 11CB0935A | Soil              |             | 0.81 | 24.12 | 12.56 | 90.9  | 968  | 8.7  | 4.4  | 893  | 1.61 | 2.3  | 0.8  | 1.2  | 2.5  | 41.3 | 1.49 | 0.22 | 0.29 | 31   |
| 11CB0936A | Soil              |             | 0.63 | 13.48 | 7.15  | 65.0  | 413  | 7.2  | 4.5  | 1351 | 1.09 | 1.3  | 0.3  | 1.3  | 1.4  | 29.2 | 1.36 | 0.17 | 0.25 | 30   |
| 11CB0937A | Soil              |             | 0.71 | 21.04 | 7.79  | 213.8 | 1338 | 9.7  | 3.5  | 3911 | 1.16 | 1.5  | 0.5  | 0.9  | 0.4  | 85.4 | 1.56 | 0.23 | 0.16 | 25   |
| 11CB0938A | Soil              |             | 1.30 | 28.10 | 10.85 | 30.1  | 552  | 7.0  | 2.2  | 224  | 1.26 | 2.1  | 0.5  | 2.4  | 0.4  | 30.2 | 0.95 | 0.13 | 0.22 | 26   |
| 11CB0939A | Soil              |             | 1.15 | 21.36 | 9.43  | 42.1  | 834  | 7.5  | 3.4  | 171  | 1.43 | 2.6  | 0.5  | 1.3  | 0.8  | 37.8 | 1.01 | 0.23 | 0.18 | 31   |
| 11CB0940A | Soil              |             | 1.30 | 47.04 | 12.92 | 47.3  | 746  | 11.3 | 4.2  | 188  | 1.81 | 2.1  | 1.2  | 1.9  | 0.4  | 30.2 | 1.49 | 0.24 | 0.19 | 32   |
| 11CB0941A | Soil              |             | 1.50 | 43.26 | 12.80 | 61.8  | 1037 | 12.7 | 5.0  | 443  | 1.78 | 2.0  | 1.0  | 1.8  | 0.4  | 33.9 | 2.14 | 0.30 | 0.16 | 28   |



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**Project:** Mariposa  
**Report Date:** November 22, 2011

**Page:** 2 of 10 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11CB0912A | Soil                             | 4.5  | 13.0 | 0.16 | 293.8 | 0.024 | 2    | 0.63 | 0.013 | 0.05 | <0.1 | 0.6  | 0.06 | <0.02 | 91   | 0.3  | <0.02 |
| 11CB0913A | Soil                             | 5.1  | 11.1 | 0.12 | 371.3 | 0.023 | 3    | 0.61 | 0.014 | 0.05 | 0.1  | 0.6  | 0.08 | 0.03  | 88   | 0.4  | 0.02  |
| 11CB0914A | Soil                             | 6.8  | 9.2  | 0.12 | 326.2 | 0.008 | 2    | 0.62 | 0.016 | 0.08 | <0.1 | 0.4  | 0.05 | 0.05  | 129  | 0.2  | <0.02 |
| 11CB0915A | Soil                             | 3.8  | 8.7  | 0.14 | 362.0 | 0.026 | 1    | 0.40 | 0.014 | 0.07 | <0.1 | 0.7  | 0.05 | 0.03  | 55   | 0.2  | <0.02 |
| 11CB0916A | Soil                             | 2.7  | 6.5  | 0.23 | 759.8 | 0.034 | 3    | 0.41 | 0.014 | 0.09 | <0.1 | 0.9  | 0.10 | 0.09  | 169  | 0.4  | 0.04  |
| 11CB0917A | Soil                             | 9.0  | 14.1 | 0.24 | 295.7 | 0.061 | 2    | 1.08 | 0.017 | 0.08 | <0.1 | 2.0  | 0.06 | 0.04  | 65   | 0.2  | 0.04  |
| 11CB0918A | Soil                             | 11.6 | 20.3 | 0.29 | 327.0 | 0.054 | 2    | 1.48 | 0.013 | 0.07 | <0.1 | 2.6  | 0.06 | 0.03  | 55   | 0.2  | <0.02 |
| 11CB0919A | Soil                             | 10.1 | 13.5 | 0.14 | 413.0 | 0.008 | 1    | 0.89 | 0.015 | 0.06 | <0.1 | 0.3  | 0.05 | 0.03  | 77   | 0.3  | 0.02  |
| 11CB0920A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0921A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0922A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0923A | Soil                             | 5.7  | 5.9  | 0.15 | 410.9 | 0.011 | 5    | 0.38 | 0.019 | 0.03 | <0.1 | 1.0  | 0.06 | 0.18  | 101  | 0.6  | 0.03  |
| 11CB0924A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0925A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0926A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0927A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0928A | Soil                             | 22.5 | 12.6 | 0.19 | 365.9 | 0.031 | 2    | 0.78 | 0.012 | 0.08 | <0.1 | 2.0  | 0.07 | 0.06  | 63   | 0.2  | 0.03  |
| 11CB0929A | Soil                             | 43.0 | 9.7  | 0.27 | 815.2 | 0.030 | 2    | 0.87 | 0.015 | 0.13 | 0.1  | 2.6  | 0.20 | 0.11  | 111  | 0.5  | 0.05  |
| 11CB0930A | Soil                             | 31.3 | 15.3 | 0.24 | 604.1 | 0.033 | 2    | 1.21 | 0.021 | 0.26 | <0.1 | 3.3  | 0.06 | <0.02 | 11   | 0.2  | 0.06  |
| 11CB0931A | Soil                             | 44.4 | 28.4 | 0.39 | 476.2 | 0.060 | 2    | 1.99 | 0.018 | 0.18 | <0.1 | 4.9  | 0.08 | <0.02 | 12   | 0.1  | 0.04  |
| 11CB0932A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0933A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB0934A | Soil                             | 30.2 | 12.7 | 0.22 | 628.6 | 0.052 | 3    | 0.83 | 0.019 | 0.20 | <0.1 | 2.8  | 0.08 | 0.02  | 23   | 0.2  | 0.03  |
| 11CB0935A | Soil                             | 17.4 | 14.8 | 0.17 | 402.7 | 0.044 | 1    | 1.05 | 0.021 | 0.15 | <0.1 | 2.5  | 0.08 | <0.02 | 14   | 0.2  | 0.05  |
| 11CB0936A | Soil                             | 8.4  | 11.6 | 0.14 | 307.2 | 0.048 | <1   | 0.65 | 0.015 | 0.13 | <0.1 | 1.8  | 0.09 | <0.02 | 10   | <0.1 | 0.03  |
| 11CB0937A | Soil                             | 6.0  | 11.7 | 0.16 | 420.4 | 0.032 | 2    | 0.75 | 0.021 | 0.13 | <0.1 | 2.0  | 0.08 | 0.02  | 14   | 0.3  | 0.04  |
| 11CB0938A | Soil                             | 8.2  | 14.9 | 0.12 | 207.2 | 0.034 | 1    | 1.03 | 0.021 | 0.12 | <0.1 | 2.1  | 0.08 | <0.02 | 10   | 0.2  | 0.04  |
| 11CB0939A | Soil                             | 6.6  | 16.0 | 0.11 | 214.3 | 0.050 | <1   | 0.82 | 0.022 | 0.13 | <0.1 | 2.3  | 0.04 | <0.02 | 13   | 0.3  | 0.04  |
| 11CB0940A | Soil                             | 11.1 | 14.0 | 0.15 | 213.0 | 0.050 | <1   | 1.11 | 0.016 | 0.11 | <0.1 | 2.6  | 0.05 | 0.03  | 38   | 0.3  | 0.05  |
| 11CB0941A | Soil                             | 12.0 | 12.6 | 0.13 | 285.9 | 0.038 | <1   | 1.12 | 0.018 | 0.10 | <0.1 | 3.0  | 0.06 | 0.03  | 45   | 0.3  | 0.02  |



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Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11CB0942A | Soil                             | 1.27 | 45.53 | 17.03 | 67.5  | 1310 | 9.6  | 2.9  | 490  | 1.29 | 1.9  | 1.2  | 0.8  | 0.8  | 31.7 | 1.67 | 0.24 | 0.20 | 24   | 0.42 |
| 11CB0943A | Soil                             | 1.33 | 73.21 | 36.06 | 30.4  | 1061 | 10.8 | 9.1  | 133  | 1.13 | 1.8  | 1.4  | 3.8  | 0.1  | 42.7 | 0.73 | 0.25 | 0.32 | 7    | 0.50 |
| 11CB0944A | Soil                             | 1.50 | 75.08 | 15.75 | 29.8  | 1040 | 10.9 | 8.7  | 132  | 1.21 | 1.9  | 1.4  | 4.7  | 0.1  | 39.8 | 0.74 | 0.25 | 0.34 | 8    | 0.46 |
| 11CB0945A | Soil                             | 1.71 | 137.1 | 6.82  | 20.7  | 1126 | 5.5  | 3.8  | 35   | 1.53 | 3.5  | 2.9  | 6.3  | <0.1 | 24.8 | 0.60 | 0.20 | 0.64 | 9    | 0.26 |
| 11CB0946A | Soil                             | 1.56 | 127.8 | 8.50  | 20.7  | 1011 | 5.8  | 3.5  | 39   | 1.49 | 3.6  | 2.6  | 6.5  | <0.1 | 22.8 | 0.53 | 0.21 | 0.65 | 9    | 0.23 |
| 11CB0947A | Soil                             | 1.28 | 31.34 | 12.58 | 53.0  | 268  | 19.7 | 7.6  | 180  | 2.54 | 6.3  | 2.2  | 2.9  | 0.9  | 39.4 | 0.35 | 0.38 | 0.20 | 43   | 0.41 |
| 11CB0948A | Soil                             | 1.02 | 17.05 | 7.92  | 33.4  | 174  | 11.4 | 4.5  | 95   | 1.76 | 4.7  | 1.1  | 2.1  | 0.7  | 23.6 | 0.17 | 0.31 | 0.15 | 36   | 0.23 |
| 11CB0949A | Soil                             | 1.44 | 31.13 | 16.05 | 39.0  | 440  | 18.1 | 5.3  | 98   | 1.79 | 4.5  | 1.7  | 7.5  | 0.2  | 32.1 | 0.77 | 0.37 | 0.50 | 20   | 0.29 |
| 11CB0950A | Soil                             | 0.96 | 16.31 | 7.77  | 29.9  | 259  | 11.5 | 3.9  | 74   | 1.49 | 3.4  | 1.3  | 6.0  | 0.3  | 31.5 | 0.24 | 0.34 | 0.25 | 19   | 0.29 |
| 11CB0951A | Soil                             | 0.89 | 16.94 | 7.93  | 32.3  | 277  | 11.4 | 4.1  | 77   | 1.49 | 3.6  | 1.1  | 5.1  | 0.3  | 27.4 | 0.18 | 0.31 | 0.18 | 21   | 0.25 |
| 11CB0952A | Soil                             | 1.04 | 24.74 | 14.39 | 25.7  | 326  | 12.5 | 3.6  | 68   | 1.25 | 3.2  | 1.8  | 4.3  | 0.2  | 25.8 | 0.33 | 0.25 | 0.19 | 15   | 0.23 |
| 11CB0953A | Soil                             | 1.16 | 26.32 | 9.80  | 25.3  | 388  | 12.7 | 3.6  | 65   | 1.33 | 3.3  | 1.8  | 3.4  | 0.2  | 24.8 | 0.33 | 0.25 | 0.15 | 16   | 0.20 |
| 11CB0954A | Soil                             | 0.79 | 25.13 | 6.61  | 31.8  | 270  | 14.3 | 5.0  | 100  | 1.32 | 2.2  | 1.1  | 3.1  | 0.4  | 37.1 | 0.47 | 0.25 | 0.13 | 20   | 0.36 |
| 11CB0955A | Soil                             | 0.81 | 27.12 | 7.82  | 35.0  | 229  | 14.9 | 5.2  | 106  | 1.33 | 2.5  | 1.1  | 4.1  | 0.4  | 37.3 | 0.51 | 0.23 | 0.11 | 21   | 0.38 |
| 11CB0956A | Soil                             | 1.12 | 10.56 | 4.82  | 23.7  | 175  | 9.4  | 5.5  | 61   | 0.94 | 1.9  | 0.6  | 2.6  | 0.1  | 33.8 | 0.29 | 0.26 | 0.07 | 16   | 0.34 |
| 11CB0957A | Soil                             | 0.91 | 11.10 | 8.13  | 30.1  | 159  | 11.5 | 5.4  | 163  | 1.16 | 2.1  | 0.7  | 2.7  | 0.3  | 59.6 | 0.25 | 0.42 | 0.09 | 16   | 0.72 |
| 11CB0958A | Soil                             | 1.39 | 38.87 | 11.66 | 39.5  | 293  | 18.7 | 16.9 | 619  | 2.04 | 4.1  | 1.4  | 2.6  | 0.2  | 42.2 | 0.51 | 0.30 | 0.14 | 37   | 0.43 |
| 11CB0959A | Soil                             | 1.33 | 28.15 | 8.73  | 40.6  | 292  | 15.4 | 11.8 | 431  | 2.14 | 4.1  | 1.3  | 4.2  | 0.2  | 40.5 | 0.33 | 0.31 | 0.13 | 38   | 0.43 |
| 11CB0960A | Soil                             | 0.89 | 13.29 | 18.77 | 49.3  | 337  | 12.0 | 7.3  | 778  | 1.85 | 3.5  | 0.5  | 2.5  | 0.5  | 62.8 | 0.39 | 0.30 | 0.10 | 38   | 0.68 |
| 11CB0961A | Soil                             | 0.80 | 8.34  | 12.84 | 51.2  | 192  | 8.0  | 4.3  | 1487 | 1.12 | 2.5  | 0.2  | 1.7  | 0.2  | 60.4 | 0.34 | 0.21 | 0.08 | 25   | 0.85 |
| 11CB0962A | Soil                             | 0.80 | 14.78 | 10.74 | 21.9  | 280  | 7.5  | 2.8  | 83   | 1.54 | 2.9  | 0.4  | 1.6  | <0.1 | 23.6 | 0.21 | 0.21 | 0.14 | 32   | 0.14 |
| 11AN0201A | Soil                             | 1.40 | 15.59 | 7.78  | 53.2  | 303  | 9.3  | 3.8  | 102  | 1.83 | 3.8  | 2.0  | 3.4  | 0.8  | 28.4 | 0.22 | 0.29 | 0.18 | 21   | 0.26 |
| 11AN0202A | Soil                             | 1.18 | 15.97 | 8.18  | 60.8  | 216  | 13.0 | 5.5  | 141  | 2.11 | 5.9  | 1.6  | 4.6  | 1.1  | 26.1 | 0.24 | 0.29 | 0.17 | 35   | 0.24 |
| 11AN0203A | Soil                             | 1.63 | 16.91 | 12.71 | 30.0  | 126  | 11.2 | 3.9  | 100  | 1.42 | 2.6  | 2.1  | 1.9  | 0.8  | 55.9 | 0.27 | 0.34 | 0.09 | 13   | 0.55 |
| 11AN0204A | Soil                             | 0.83 | 8.81  | 7.43  | 48.8  | 144  | 11.9 | 8.8  | 543  | 2.42 | 3.4  | 0.2  | 1.8  | 1.2  | 41.8 | 0.18 | 0.28 | 0.12 | 55   | 0.36 |
| 11AN0205A | Soil                             | 0.57 | 7.77  | 6.44  | 100.8 | 157  | 10.1 | 10.7 | 1048 | 2.52 | 2.4  | 0.2  | 0.6  | 0.8  | 95.1 | 0.19 | 0.20 | 0.09 | 57   | 1.04 |
| 11AN0206A | Soil                             | 0.81 | 10.71 | 7.78  | 67.7  | 143  | 14.0 | 11.2 | 1549 | 2.52 | 4.5  | 0.2  | 0.6  | 1.6  | 62.8 | 0.21 | 0.30 | 0.12 | 57   | 0.59 |
| 11AN0207A | Soil                             | 1.03 | 8.85  | 9.56  | 31.7  | 57   | 6.8  | 2.9  | 124  | 2.00 | 6.0  | 0.3  | 1.8  | 1.7  | 10.5 | 0.15 | 0.32 | 0.19 | 56   | 0.09 |
| 11AN0208A | Soil                             | 0.74 | 10.48 | 5.10  | 27.6  | 63   | 6.2  | 2.8  | 93   | 1.38 | 2.6  | 0.3  | 3.7  | <0.1 | 30.3 | 0.15 | 0.19 | 0.11 | 33   | 0.18 |
| 11AN0209A | Soil                             | 0.61 | 10.34 | 7.71  | 46.6  | 108  | 8.4  | 5.7  | 215  | 2.60 | 4.9  | 0.4  | 2.3  | 0.4  | 34.4 | 0.12 | 0.20 | 0.09 | 60   | 0.16 |



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**Project:** Mariposa  
**Report Date:** November 22, 2011

**Page:** 3 of 10 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11CB0942A | Soil                             | 13.6 | 16.7 | 0.10 | 237.2 | 0.037 | 1    | 0.81 | 0.021 | 0.12 | <0.1 | 2.6  | 0.04 | 0.02  | 19   | 0.3  | 0.05  |
| 11CB0943A | Soil                             | 28.0 | 11.5 | 0.06 | 459.8 | 0.010 | 2    | 0.65 | 0.015 | 0.03 | <0.1 | 1.2  | 0.05 | 0.11  | 97   | 0.3  | 0.14  |
| 11CB0944A | Soil                             | 27.0 | 12.5 | 0.06 | 441.5 | 0.009 | 1    | 0.67 | 0.018 | 0.03 | <0.1 | 1.2  | 0.05 | 0.11  | 81   | 0.3  | 0.14  |
| 11CB0945A | Soil                             | 13.1 | 9.4  | 0.04 | 271.0 | 0.006 | 1    | 0.54 | 0.016 | 0.02 | <0.1 | 0.8  | 0.05 | 0.15  | 90   | 0.7  | 0.21  |
| 11CB0946A | Soil                             | 12.0 | 10.8 | 0.05 | 239.7 | 0.006 | <1   | 0.57 | 0.016 | 0.02 | <0.1 | 0.6  | 0.06 | 0.14  | 86   | 0.5  | 0.17  |
| 11CB0947A | Soil                             | 32.2 | 29.8 | 0.27 | 378.1 | 0.037 | 2    | 2.19 | 0.012 | 0.06 | 0.1  | 3.4  | 0.07 | 0.06  | 99   | 0.5  | 0.05  |
| 11CB0948A | Soil                             | 18.5 | 21.5 | 0.22 | 195.9 | 0.037 | 1    | 1.30 | 0.010 | 0.04 | 0.1  | 2.1  | 0.07 | 0.03  | 63   | 0.2  | 0.03  |
| 11CB0949A | Soil                             | 23.3 | 24.7 | 0.16 | 286.6 | 0.014 | 3    | 1.60 | 0.010 | 0.06 | 0.1  | 0.9  | 0.08 | 0.09  | 126  | 0.4  | 0.04  |
| 11CB0950A | Soil                             | 23.9 | 18.3 | 0.18 | 270.8 | 0.021 | 3    | 1.10 | 0.011 | 0.04 | 0.1  | 1.8  | 0.08 | 0.07  | 106  | 0.2  | <0.02 |
| 11CB0951A | Soil                             | 21.5 | 18.6 | 0.20 | 240.0 | 0.022 | 2    | 1.15 | 0.011 | 0.04 | 0.1  | 1.7  | 0.07 | 0.06  | 90   | 0.3  | 0.03  |
| 11CB0952A | Soil                             | 17.3 | 19.7 | 0.11 | 227.6 | 0.008 | 5    | 0.98 | 0.013 | 0.03 | <0.1 | 0.6  | 0.07 | 0.08  | 110  | 0.4  | 0.03  |
| 11CB0953A | Soil                             | 16.5 | 20.8 | 0.11 | 222.7 | 0.009 | 2    | 0.98 | 0.009 | 0.03 | <0.1 | 0.6  | 0.06 | 0.08  | 120  | 0.2  | 0.03  |
| 11CB0954A | Soil                             | 14.7 | 18.5 | 0.21 | 255.7 | 0.023 | 1    | 1.00 | 0.011 | 0.04 | <0.1 | 1.8  | 0.06 | 0.06  | 120  | 0.2  | <0.02 |
| 11CB0955A | Soil                             | 15.6 | 16.6 | 0.22 | 254.9 | 0.026 | 2    | 1.03 | 0.012 | 0.04 | 0.1  | 2.0  | 0.06 | 0.06  | 102  | 0.3  | <0.02 |
| 11CB0956A | Soil                             | 9.9  | 13.4 | 0.14 | 177.3 | 0.016 | 2    | 0.58 | 0.011 | 0.04 | 0.2  | 1.3  | 0.04 | 0.07  | 79   | <0.1 | <0.02 |
| 11CB0957A | Soil                             | 13.1 | 16.8 | 0.19 | 324.8 | 0.019 | 2    | 0.75 | 0.013 | 0.04 | 0.1  | 2.1  | 0.05 | 0.10  | 109  | 0.3  | <0.02 |
| 11CB0958A | Soil                             | 15.5 | 17.8 | 0.24 | 307.0 | 0.013 | 1    | 1.04 | 0.013 | 0.04 | 0.1  | 1.1  | 0.05 | 0.09  | 72   | 0.2  | 0.02  |
| 11CB0959A | Soil                             | 14.8 | 18.3 | 0.25 | 287.5 | 0.014 | 2    | 1.11 | 0.012 | 0.04 | <0.1 | 1.4  | 0.05 | 0.09  | 84   | 0.3  | <0.02 |
| 11CB0960A | Soil                             | 13.1 | 16.8 | 0.38 | 653.3 | 0.027 | 1    | 1.35 | 0.011 | 0.08 | 0.1  | 2.9  | 0.06 | 0.05  | 126  | 0.2  | <0.02 |
| 11CB0961A | Soil                             | 5.1  | 11.8 | 0.25 | 433.1 | 0.024 | 2    | 0.75 | 0.010 | 0.10 | 0.1  | 1.4  | 0.06 | 0.07  | 144  | 0.2  | <0.02 |
| 11CB0962A | Soil                             | 5.6  | 14.9 | 0.14 | 207.4 | 0.026 | <1   | 0.93 | 0.010 | 0.03 | <0.1 | 0.7  | 0.05 | 0.03  | 43   | 0.2  | <0.02 |
| 11AN0201A | Soil                             | 21.2 | 16.3 | 0.23 | 195.3 | 0.020 | 1    | 1.15 | 0.011 | 0.05 | 0.1  | 2.0  | 0.08 | 0.08  | 105  | 0.2  | 0.03  |
| 11AN0202A | Soil                             | 17.4 | 23.5 | 0.40 | 171.6 | 0.037 | 2    | 1.47 | 0.013 | 0.06 | 0.1  | 2.4  | 0.10 | 0.05  | 89   | 0.2  | <0.02 |
| 11AN0203A | Soil                             | 27.3 | 12.0 | 0.12 | 333.8 | 0.014 | 2    | 0.69 | 0.014 | 0.04 | <0.1 | 2.4  | 0.04 | 0.10  | 102  | 0.2  | <0.02 |
| 11AN0204A | Soil                             | 5.7  | 21.9 | 0.43 | 306.7 | 0.059 | <1   | 1.52 | 0.011 | 0.09 | <0.1 | 2.3  | 0.08 | <0.02 | 32   | 0.1  | <0.02 |
| 11AN0205A | Soil                             | 4.3  | 16.8 | 0.68 | 353.9 | 0.077 | 2    | 1.89 | 0.018 | 0.12 | <0.1 | 2.6  | 0.05 | 0.03  | 38   | 0.1  | <0.02 |
| 11AN0206A | Soil                             | 5.9  | 25.4 | 0.50 | 438.4 | 0.066 | 1    | 1.69 | 0.010 | 0.08 | 0.1  | 2.4  | 0.11 | <0.02 | 33   | <0.1 | <0.02 |
| 11AN0207A | Soil                             | 8.4  | 18.6 | 0.20 | 112.0 | 0.048 | <1   | 1.08 | 0.006 | 0.03 | 0.1  | 1.4  | 0.08 | <0.02 | 10   | 0.1  | 0.02  |
| 11AN0208A | Soil                             | 5.5  | 13.1 | 0.21 | 135.2 | 0.007 | <1   | 0.88 | 0.010 | 0.04 | <0.1 | 0.2  | 0.04 | 0.04  | 43   | 0.2  | 0.03  |
| 11AN0209A | Soil                             | 5.0  | 16.4 | 0.42 | 86.2  | 0.026 | <1   | 1.69 | 0.007 | 0.04 | <0.1 | 2.3  | 0.06 | 0.02  | 40   | 0.2  | 0.02  |





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Project: Mariposa  
Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11AN0210A | Soil                             | 0.71 | 11.92 | 7.70  | 23.5  | 199  | 7.3  | 4.4  | 88   | 1.36 | 2.2  | 0.5  | 1.9  | <0.1 | 21.4  | 0.11 | 0.17 | 0.11 | 27   | 0.12 |
| 11AN0211A | Soil                             | 0.80 | 10.90 | 5.16  | 40.5  | 210  | 10.0 | 4.2  | 162  | 1.64 | 3.4  | 0.5  | 1.5  | 0.3  | 49.6  | 0.14 | 0.24 | 0.10 | 36   | 0.61 |
| 11AN0212A | Soil                             | 0.64 | 17.66 | 6.01  | 42.0  | 318  | 10.1 | 4.4  | 133  | 1.86 | 2.7  | 1.0  | 1.1  | 0.3  | 41.0  | 0.25 | 0.22 | 0.13 | 37   | 0.55 |
| 11AN0213A | Soil                             | 0.74 | 14.99 | 4.76  | 13.2  | 169  | 10.3 | 12.4 | 4007 | 0.98 | 1.5  | 0.9  | 2.6  | 0.1  | 92.3  | 0.45 | 0.39 | 0.06 | 17   | 2.29 |
| 11AN0214A | Soil                             | 0.44 | 9.65  | 4.44  | 63.7  | 56   | 13.5 | 9.6  | 596  | 2.22 | 3.4  | 0.5  | 1.5  | 1.1  | 47.1  | 0.15 | 0.27 | 0.06 | 50   | 0.94 |
| 11AN0215A | Soil                             | 1.18 | 8.02  | 10.98 | 21.5  | 35   | 7.7  | 7.0  | 1927 | 0.60 | 1.0  | 0.1  | 1.2  | <0.1 | 114.9 | 0.23 | 0.22 | 0.05 | 4    | 2.45 |
| 11AN0216A | Soil                             | 1.02 | 13.95 | 6.91  | 44.3  | 227  | 15.3 | 6.9  | 234  | 2.11 | 5.2  | 0.5  | 2.6  | 1.6  | 33.1  | 0.20 | 0.34 | 0.11 | 47   | 0.36 |
| 11AN0217A | Soil                             | 0.70 | 18.46 | 8.18  | 56.8  | 78   | 16.9 | 9.3  | 331  | 2.38 | 5.7  | 0.5  | 4.2  | 1.6  | 42.1  | 0.20 | 0.36 | 0.13 | 52   | 0.57 |
| 11AN0218A | Soil                             | 0.70 | 24.74 | 7.67  | 46.2  | 125  | 20.1 | 9.1  | 523  | 2.00 | 5.2  | 0.6  | 3.7  | 0.9  | 79.4  | 0.24 | 0.53 | 0.11 | 44   | 1.42 |
| 11AN0219A | Soil                             | 0.82 | 20.10 | 5.26  | 34.5  | 189  | 13.9 | 6.5  | 477  | 1.28 | 3.0  | 0.6  | 2.0  | 0.2  | 107.8 | 0.29 | 0.48 | 0.11 | 24   | 1.77 |
| 11AN0220A | Soil                             | 0.81 | 29.26 | 10.37 | 56.2  | 114  | 22.3 | 10.4 | 420  | 2.27 | 4.8  | 0.8  | 3.1  | 0.3  | 48.6  | 0.56 | 0.33 | 0.13 | 47   | 0.55 |
| 11AN0221A | Soil                             | 0.72 | 26.40 | 8.41  | 56.9  | 117  | 21.0 | 9.4  | 426  | 2.33 | 4.8  | 0.7  | 1.3  | 0.3  | 46.4  | 0.52 | 0.32 | 0.35 | 49   | 0.48 |
| 11AN0222A | Soil                             | 0.74 | 21.10 | 9.34  | 45.5  | 269  | 15.2 | 10.7 | 253  | 2.11 | 3.5  | 1.2  | 4.1  | 1.4  | 50.1  | 0.28 | 0.25 | 0.15 | 42   | 0.48 |
| 11AN0223A | Soil                             | 0.74 | 12.49 | 5.68  | 31.5  | 223  | 8.5  | 4.9  | 110  | 1.33 | 1.4  | 0.8  | 6.2  | 0.3  | 66.8  | 0.08 | 0.29 | 0.29 | 25   | 0.57 |
| 11AN0224A | Soil                             | 0.68 | 13.56 | 7.32  | 39.5  | 146  | 13.3 | 6.9  | 166  | 1.69 | 2.8  | 0.6  | 4.0  | 0.3  | 40.0  | 0.29 | 0.29 | 0.13 | 38   | 0.30 |
| 11AN0225A | Soil                             | 0.90 | 16.33 | 8.13  | 33.7  | 321  | 15.0 | 5.8  | 141  | 1.80 | 3.3  | 1.3  | 6.6  | 0.8  | 68.0  | 0.11 | 0.31 | 0.15 | 33   | 0.55 |
| 11AN0226A | Soil                             | 1.11 | 20.39 | 10.58 | 29.3  | 130  | 17.7 | 7.0  | 347  | 1.15 | 1.8  | 0.9  | 4.8  | 0.1  | 93.7  | 0.18 | 0.52 | 0.12 | 20   | 1.00 |
| 11AN0227A | Soil                             | 0.83 | 10.22 | 5.23  | 55.8  | 73   | 12.5 | 13.9 | 1418 | 2.53 | 5.4  | 0.5  | 3.4  | 0.7  | 94.2  | 0.13 | 0.28 | 0.09 | 51   | 0.96 |
| 11AN0228A | Soil                             | 0.22 | 11.57 | 5.45  | 60.9  | 79   | 13.0 | 8.3  | 356  | 2.21 | 3.2  | 0.8  | 3.6  | 1.8  | 85.5  | 0.04 | 0.22 | 0.11 | 51   | 0.81 |
| 11AN0229A | Soil                             | 1.20 | 28.74 | 23.82 | 47.8  | 636  | 14.0 | 7.0  | 203  | 2.97 | 4.1  | 0.9  | 3.2  | 1.7  | 14.0  | 0.39 | 0.23 | 0.21 | 67   | 0.12 |
| 11AN0230A | Soil                             | 1.26 | 21.29 | 12.86 | 44.0  | 444  | 17.2 | 9.6  | 663  | 1.46 | 2.4  | 0.7  | 6.2  | 0.4  | 69.1  | 0.06 | 0.37 | 0.17 | 37   | 1.80 |
| 11AN0231A | Soil                             | 1.99 | 19.77 | 14.26 | 90.6  | 295  | 13.4 | 14.2 | 943  | 2.97 | 3.2  | 0.7  | 9.9  | 1.7  | 46.9  | 0.18 | 0.29 | 0.13 | 68   | 1.11 |
| 11AN0232A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0233A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0234A | Soil                             | 2.11 | 24.01 | 5.49  | 26.0  | 377  | 9.2  | 1.6  | 89   | 0.47 | 0.3  | 0.3  | 1.8  | 0.2  | 58.6  | 0.45 | 0.34 | 0.13 | 6    | 1.18 |
| 11AN0235A | Soil                             | 2.09 | 41.90 | 14.27 | 49.3  | 508  | 11.9 | 3.4  | 139  | 1.16 | 1.3  | 0.8  | 4.9  | 0.4  | 43.8  | 0.80 | 0.26 | 0.16 | 19   | 0.79 |
| 11AN0236A | Soil                             | 2.26 | 23.76 | 16.23 | 102.7 | 445  | 13.1 | 11.6 | 654  | 2.16 | 2.6  | 1.1  | 11.4 | 2.3  | 29.0  | 0.50 | 0.34 | 0.18 | 33   | 0.54 |
| 11AN0237A | Soil                             | 1.90 | 89.58 | 23.67 | 286.3 | 811  | 11.5 | 9.4  | 214  | 2.68 | 3.4  | 1.3  | 5.8  | 2.1  | 34.4  | 3.13 | 0.22 | 0.37 | 50   | 0.43 |
| 11AN0238A | Soil                             | 7.83 | 37.60 | 9.85  | 94.9  | 852  | 12.6 | 14.1 | 1542 | 2.27 | 6.9  | 3.2  | 12.5 | 2.4  | 72.5  | 1.07 | 0.37 | 0.37 | 35   | 1.42 |
| 11AN0239A | Soil                             | 4.20 | 74.94 | 8.88  | 133.5 | 1300 | 12.7 | 9.8  | 2027 | 2.45 | 8.1  | 5.1  | 8.0  | 5.6  | 40.6  | 3.03 | 0.30 | 0.70 | 34   | 0.62 |



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**Project:** Mariposa  
**Report Date:** November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|-------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La    | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm   | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5   | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0210A | Soil                             | 5.5   | 13.1 | 0.17 | 122.1 | 0.008 | <1   | 1.02 | 0.008 | 0.05 | <0.1 | 0.5  | 0.04 | 0.07  | 65   | 0.2  | 0.03  |
| 11AN0211A | Soil                             | 6.0   | 16.8 | 0.27 | 173.0 | 0.028 | 2    | 1.44 | 0.011 | 0.06 | 0.1  | 2.7  | 0.05 | 0.09  | 104  | 0.2  | <0.02 |
| 11AN0212A | Soil                             | 11.3  | 18.3 | 0.26 | 285.4 | 0.025 | 1    | 1.83 | 0.011 | 0.04 | <0.1 | 3.3  | 0.06 | 0.06  | 83   | 0.2  | 0.02  |
| 11AN0213A | Soil                             | 10.6  | 11.5 | 0.14 | 739.0 | 0.009 | 6    | 0.62 | 0.020 | 0.02 | <0.1 | 1.3  | 0.07 | 0.15  | 136  | 0.5  | <0.02 |
| 11AN0214A | Soil                             | 7.3   | 19.2 | 0.65 | 245.2 | 0.045 | <1   | 1.31 | 0.017 | 0.04 | 0.2  | 2.9  | 0.04 | 0.04  | 27   | 0.1  | <0.02 |
| 11AN0215A | Soil                             | 1.5   | 10.2 | 0.32 | 144.0 | 0.006 | 10   | 0.19 | 0.020 | 0.02 | <0.1 | 0.4  | 0.03 | 0.14  | 53   | 0.2  | <0.02 |
| 11AN0216A | Soil                             | 9.1   | 23.7 | 0.42 | 232.5 | 0.058 | <1   | 1.46 | 0.014 | 0.06 | 0.1  | 2.9  | 0.07 | <0.02 | 49   | 0.2  | <0.02 |
| 11AN0217A | Soil                             | 8.8   | 28.0 | 0.57 | 204.8 | 0.069 | 2    | 1.69 | 0.027 | 0.06 | 0.1  | 3.4  | 0.07 | 0.03  | 27   | 0.3  | 0.04  |
| 11AN0218A | Soil                             | 9.5   | 23.6 | 0.50 | 306.9 | 0.050 | 2    | 1.41 | 0.025 | 0.05 | 0.2  | 2.8  | 0.07 | 0.06  | 49   | 0.4  | <0.02 |
| 11AN0219A | Soil                             | 6.9   | 15.0 | 0.39 | 285.3 | 0.028 | 4    | 0.87 | 0.017 | 0.05 | 0.1  | 1.6  | 0.05 | 0.12  | 102  | 0.4  | <0.02 |
| 11AN0220A | Soil                             | 11.3  | 28.8 | 0.49 | 329.1 | 0.046 | 1    | 1.71 | 0.018 | 0.07 | 0.2  | 2.3  | 0.06 | 0.03  | 65   | 0.2  | 0.03  |
| 11AN0221A | Soil                             | 10.4  | 27.6 | 0.51 | 295.3 | 0.051 | 2    | 1.74 | 0.020 | 0.08 | 0.1  | 2.3  | 0.04 | 0.03  | 51   | 0.2  | 0.06  |
| 11AN0222A | Soil                             | 10.4  | 24.0 | 0.49 | 249.7 | 0.067 | 1    | 1.57 | 0.016 | 0.07 | 0.2  | 4.2  | 0.08 | 0.04  | 78   | 0.4  | 0.02  |
| 11AN0223A | Soil                             | 7.0   | 12.8 | 0.28 | 228.7 | 0.043 | 3    | 0.90 | 0.019 | 0.06 | 0.2  | 2.1  | 0.08 | 0.06  | 90   | 0.2  | 0.03  |
| 11AN0224A | Soil                             | 9.7   | 18.2 | 0.37 | 238.2 | 0.046 | 2    | 1.16 | 0.017 | 0.06 | 0.2  | 2.0  | 0.07 | 0.03  | 64   | 0.2  | 0.03  |
| 11AN0225A | Soil                             | 10.8  | 22.2 | 0.33 | 244.8 | 0.052 | 3    | 1.35 | 0.018 | 0.06 | 0.1  | 3.5  | 0.07 | 0.08  | 120  | 0.3  | 0.04  |
| 11AN0226A | Soil                             | 13.5  | 17.2 | 0.28 | 350.9 | 0.023 | 3    | 0.85 | 0.019 | 0.05 | 0.1  | 1.6  | 0.05 | 0.11  | 104  | 0.3  | 0.03  |
| 11AN0227A | Soil                             | 6.9   | 17.2 | 0.56 | 262.3 | 0.057 | 2    | 1.35 | 0.023 | 0.11 | 0.1  | 2.6  | 0.08 | 0.05  | 36   | 0.3  | 0.02  |
| 11AN0228A | Soil                             | 9.4   | 19.2 | 0.63 | 209.6 | 0.068 | 1    | 1.47 | 0.024 | 0.09 | 0.1  | 3.5  | 0.07 | 0.03  | 35   | 0.2  | <0.02 |
| 11AN0229A | Soil                             | 12.8  | 31.6 | 0.37 | 159.0 | 0.086 | 1    | 1.83 | 0.015 | 0.08 | 0.1  | 3.1  | 0.11 | 0.03  | 42   | 0.3  | 0.03  |
| 11AN0230A | Soil                             | 8.2   | 29.0 | 0.35 | 377.9 | 0.038 | 5    | 0.96 | 0.024 | 0.05 | 0.2  | 2.8  | 0.09 | 0.16  | 93   | 0.3  | 0.03  |
| 11AN0231A | Soil                             | 8.3   | 24.1 | 0.77 | 364.9 | 0.131 | 2    | 1.56 | 0.023 | 0.14 | 0.2  | 4.1  | 0.21 | 0.09  | 63   | 0.2  | 0.08  |
| 11AN0232A | Soil                             | I.S.  | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0233A | Soil                             | I.S.  | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0234A | Soil                             | 11.2  | 5.3  | 0.14 | 326.7 | 0.017 | 4    | 0.37 | 0.015 | 0.03 | <0.1 | 0.9  | 0.03 | 0.11  | 138  | 0.2  | 0.03  |
| 11AN0235A | Soil                             | 17.3  | 11.9 | 0.22 | 367.6 | 0.021 | 2    | 0.73 | 0.015 | 0.04 | <0.1 | 1.4  | 0.07 | 0.09  | 85   | 0.2  | 0.04  |
| 11AN0236A | Soil                             | 23.6  | 21.1 | 0.50 | 348.4 | 0.053 | 2    | 1.35 | 0.016 | 0.07 | 0.1  | 3.5  | 0.11 | 0.07  | 75   | 0.3  | 0.04  |
| 11AN0237A | Soil                             | 14.9  | 18.3 | 0.58 | 254.3 | 0.068 | <1   | 1.43 | 0.018 | 0.13 | <0.1 | 2.9  | 0.29 | 0.12  | 145  | 0.6  | 0.11  |
| 11AN0238A | Soil                             | 61.7  | 19.0 | 0.40 | 552.4 | 0.033 | 2    | 1.29 | 0.015 | 0.08 | 0.1  | 3.7  | 0.15 | 0.09  | 125  | 0.1  | 0.10  |
| 11AN0239A | Soil                             | 104.5 | 17.4 | 0.34 | 481.1 | 0.047 | 2    | 1.74 | 0.014 | 0.18 | <0.1 | 4.6  | 0.16 | 0.09  | 126  | 0.1  | 0.17  |



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Project: Mariposa  
Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11AN0240A | Soil                             | 2.18        | 66.20       | 10.82       | 105.6      | 973      | 20.4       | 5.7        | 249      | 1.78      | 4.5        | 2.0        | 2.2        | 0.6        | 53.0       | 2.03        | 0.30        | 0.30        | 34       | 0.77      |
| 11AN0241A | Soil                             | 2.08        | 68.71       | 10.88       | 105.4      | 979      | 20.4       | 6.1        | 263      | 1.55      | 3.7        | 2.3        | 1.6        | 0.5        | 65.0       | 2.26        | 0.32        | 0.26        | 28       | 0.93      |
| 11AN0242A | Soil                             | 2.13        | 29.64       | 8.35        | 64.1       | 487      | 15.1       | 10.1       | 403      | 2.11      | 3.8        | 1.3        | 2.2        | 1.8        | 39.2       | 1.28        | 0.24        | 0.23        | 41       | 0.47      |
| 11AN0243A | Soil                             | 5.84        | 34.93       | 11.65       | 93.1       | 828      | 9.4        | 22.7       | 1576     | 3.22      | 13.3       | 1.7        | 8.6        | 3.5        | 36.0       | 0.48        | 1.14        | 0.59        | 53       | 0.55      |
| 11AN0244A | Soil                             | 2.51        | 104.9       | 10.65       | 85.6       | 2522     | 14.3       | 13.3       | 592      | 2.14      | 3.9        | 3.8        | 5.9        | 1.4        | 42.1       | 1.65        | 0.50        | 0.41        | 33       | 0.54      |
| 11AN0245A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0246A | Soil                             | 1.20        | 16.38       | 8.44        | 67.6       | 534      | 10.9       | 7.1        | 1069     | 1.76      | 3.0        | 0.4        | <0.2       | 1.0        | 29.2       | 0.69        | 0.35        | 0.18        | 43       | 0.29      |
| 11AN0247A | Soil                             | 1.17        | 16.87       | 10.38       | 109.9      | 427      | 16.0       | 14.6       | 4017     | 2.86      | 3.8        | 0.3        | 0.3        | 2.0        | 40.1       | 0.95        | 0.43        | 0.20        | 66       | 0.38      |
| 11AN0248A | Soil                             | 1.11        | 13.67       | 10.91       | 46.9       | 484      | 9.0        | 4.4        | 201      | 1.70      | 3.3        | 0.3        | 0.6        | 1.0        | 15.5       | 0.47        | 0.35        | 0.18        | 45       | 0.14      |
| 11AN0249A | Soil                             | 0.57        | 22.41       | 8.53        | 34.6       | 225      | 9.8        | 3.5        | 104      | 1.50      | 3.1        | 0.4        | 1.3        | 0.4        | 13.3       | 0.32        | 0.20        | 0.15        | 34       | 0.11      |
| 11AN0250A | Soil                             | 0.43        | 23.23       | 23.40       | 19.2       | 232      | 5.6        | 1.7        | 40       | 0.75      | 0.9        | 0.4        | 0.6        | <0.1       | 17.0       | 1.12        | 0.10        | 0.16        | 18       | 0.13      |
| 11DS0915A | Soil                             | 0.70        | 7.61        | 3.93        | 100.2      | 191      | 5.2        | 4.3        | 959      | 0.76      | 0.9        | <0.1       | 1.1        | 0.2        | 122.1      | 0.32        | 0.11        | 0.07        | 18       | 1.86      |
| 11DS0916A | Soil                             | 0.55        | 8.61        | 5.15        | 105.7      | 141      | 8.7        | 6.6        | 969      | 1.42      | 1.5        | 0.2        | <0.2       | 0.3        | 89.7       | 0.27        | 0.20        | 0.08        | 35       | 1.42      |
| 11DS0917A | Soil                             | 0.72        | 9.21        | 5.89        | 113.1      | 105      | 11.6       | 9.0        | 2409     | 1.85      | 2.1        | 0.2        | <0.2       | 0.4        | 76.6       | 0.46        | 0.25        | 0.09        | 44       | 0.94      |
| 11DS0918A | Soil                             | 0.67        | 23.12       | 7.04        | 17.8       | 252      | 10.8       | 2.7        | 71       | 0.96      | 1.7        | 0.3        | 1.9        | <0.1       | 18.1       | 0.46        | 0.16        | 0.12        | 23       | 0.13      |
| 11DS0919A | Soil                             | 0.69        | 31.04       | 11.08       | 24.0       | 153      | 11.4       | 3.6        | 74       | 1.63      | 2.3        | 1.3        | 1.9        | 0.1        | 39.4       | 0.36        | 0.21        | 0.11        | 30       | 0.26      |
| 11DS0920A | Soil                             | 0.63        | 15.44       | 6.53        | 19.0       | 252      | 7.3        | 3.1        | 33       | 0.86      | 0.6        | 0.8        | 0.9        | <0.1       | 43.8       | 0.22        | 0.18        | 0.06        | 16       | 0.40      |
| 11DS0921A | Soil                             | 0.64        | 17.35       | 6.48        | 17.8       | 226      | 8.2        | 2.9        | 34       | 0.98      | 0.8        | 0.8        | 0.9        | <0.1       | 41.5       | 0.23        | 0.20        | 0.06        | 19       | 0.37      |
| 11DS0922A | Soil                             | 0.56        | 13.67       | 4.55        | 30.2       | 157      | 8.7        | 3.8        | 116      | 1.38      | 1.1        | 0.8        | 0.3        | <0.1       | 38.7       | 0.10        | 0.17        | 0.05        | 28       | 0.35      |
| 11DS0923A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11DS0924A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11DS0925A | Soil                             | 1.94        | 21.66       | 4.62        | 64.1       | 115      | 25.4       | 14.2       | 7324     | 1.37      | 2.5        | 0.6        | 3.0        | 0.3        | 97.1       | 1.37        | 0.58        | 0.12        | 29       | 1.68      |
| 11DS0926A | Soil                             | 2.02        | 31.37       | 5.27        | 57.1       | 203      | 18.1       | 17.7       | 2966     | 2.00      | 4.6        | 1.2        | 1.3        | 0.2        | 102.1      | 1.15        | 0.36        | 0.11        | 37       | 1.37      |
| 11DS0927A | Soil                             | 0.93        | 41.62       | 6.14        | 45.1       | 51       | 20.2       | 5.5        | 147      | 1.52      | 3.1        | 0.8        | 1.4        | 0.3        | 79.5       | 1.16        | 0.51        | 0.12        | 25       | 0.82      |
| 11DS0928A | Soil                             | 1.35        | 28.00       | 3.55        | 26.3       | 217      | 16.8       | 24.1       | 2710     | 2.83      | 8.2        | 1.2        | 3.8        | 0.1        | 176.0      | 0.28        | 0.54        | 0.07        | 36       | 1.82      |
| 11DS0929A | Soil                             | 0.98        | 25.01       | 4.75        | 28.8       | 69       | 14.9       | 5.6        | 181      | 1.32      | 2.7        | 0.9        | 1.6        | 0.1        | 47.6       | 0.77        | 0.42        | 0.10        | 24       | 0.58      |
| 11DS0930A | Soil                             | 0.81        | 16.53       | 6.07        | 43.7       | 437      | 15.1       | 6.2        | 1208     | 1.39      | 2.1        | 0.2        | 1.1        | 0.1        | 61.3       | 0.85        | 0.32        | 0.09        | 29       | 0.51      |
| 11DS0931A | Soil                             | 1.17        | 13.42       | 5.77        | 54.2       | 320      | 11.8       | 5.7        | 4774     | 0.88      | 1.6        | 0.2        | 1.1        | <0.1       | 72.0       | 0.52        | 0.22        | 0.07        | 22       | 0.76      |
| 11DS0932A | Soil                             | 0.70        | 12.61       | 6.81        | 28.5       | 987      | 10.5       | 8.6        | 2232     | 1.28      | 1.9        | 0.5        | 3.6        | 0.2        | 148.3      | 0.86        | 0.20        | 0.05        | 28       | 1.14      |
| 11DS0933A | Soil                             | 1.09        | 10.48       | 5.91        | 92.6       | 217      | 9.2        | 9.4        | 3826     | 1.14      | 1.5        | 0.1        | 1.3        | <0.1       | 213.9      | 0.66        | 0.24        | 0.09        | 26       | 1.37      |



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**Project:** Mariposa  
**Report Date:** November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0240A | Soil                             | 33.7 | 20.7 | 0.33 | 432.7 | 0.030 | 1    | 1.25 | 0.016 | 0.07 | 0.1  | 1.9  | 0.07 | 0.05  | 73   | 0.1  | 0.06  |
| 11AN0241A | Soil                             | 38.1 | 17.4 | 0.30 | 479.8 | 0.022 | 1    | 1.07 | 0.018 | 0.07 | 0.1  | 1.6  | 0.05 | 0.06  | 91   | 0.1  | 0.04  |
| 11AN0242A | Soil                             | 24.4 | 19.4 | 0.32 | 309.6 | 0.041 | 1    | 1.38 | 0.015 | 0.06 | 0.1  | 3.1  | 0.07 | 0.05  | 64   | 0.1  | 0.04  |
| 11AN0243A | Soil                             | 32.7 | 20.4 | 0.51 | 278.4 | 0.055 | 1    | 1.45 | 0.014 | 0.28 | <0.1 | 6.4  | 0.25 | 0.06  | 82   | 0.2  | 0.05  |
| 11AN0244A | Soil                             | 66.6 | 20.5 | 0.34 | 486.0 | 0.053 | 2    | 1.28 | 0.013 | 0.13 | 0.2  | 5.8  | 0.13 | 0.07  | 153  | 0.6  | 0.12  |
| 11AN0245A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0246A | Soil                             | 8.9  | 17.3 | 0.32 | 284.0 | 0.081 | 1    | 1.17 | 0.011 | 0.13 | 0.1  | 2.0  | 0.10 | 0.03  | 78   | 0.3  | 0.03  |
| 11AN0247A | Soil                             | 8.6  | 24.9 | 0.61 | 614.8 | 0.130 | <1   | 1.72 | 0.015 | 0.14 | 0.1  | 2.6  | 0.09 | <0.02 | 18   | <0.1 | 0.04  |
| 11AN0248A | Soil                             | 7.4  | 18.1 | 0.27 | 155.0 | 0.070 | <1   | 1.00 | 0.009 | 0.08 | 0.1  | 1.4  | 0.11 | <0.02 | 36   | 0.2  | 0.02  |
| 11AN0249A | Soil                             | 9.3  | 18.0 | 0.24 | 123.7 | 0.038 | <1   | 1.08 | 0.012 | 0.06 | <0.1 | 1.2  | 0.09 | <0.02 | 43   | 0.2  | <0.02 |
| 11AN0250A | Soil                             | 6.8  | 10.4 | 0.09 | 107.1 | 0.003 | <1   | 0.64 | 0.014 | 0.06 | <0.1 | 0.1  | 0.08 | 0.03  | 45   | 0.1  | 0.03  |
| 11DS0915A | Soil                             | 1.8  | 5.0  | 0.31 | 405.5 | 0.025 | 7    | 0.47 | 0.011 | 0.09 | 0.1  | 0.9  | 0.03 | 0.11  | 100  | 0.2  | <0.02 |
| 11DS0916A | Soil                             | 4.1  | 13.2 | 0.39 | 386.4 | 0.032 | 5    | 0.97 | 0.013 | 0.10 | 0.1  | 1.3  | 0.05 | 0.07  | 68   | <0.1 | <0.02 |
| 11DS0917A | Soil                             | 4.3  | 16.1 | 0.45 | 600.7 | 0.051 | 2    | 1.15 | 0.017 | 0.10 | <0.1 | 1.5  | 0.08 | 0.05  | 73   | 0.1  | <0.02 |
| 11DS0918A | Soil                             | 6.4  | 13.8 | 0.12 | 169.6 | 0.015 | <1   | 0.73 | 0.013 | 0.03 | <0.1 | 0.4  | 0.07 | 0.04  | 56   | 0.2  | 0.03  |
| 11DS0919A | Soil                             | 12.0 | 17.4 | 0.16 | 182.5 | 0.028 | 1    | 1.23 | 0.016 | 0.04 | 0.1  | 1.3  | 0.05 | 0.04  | 82   | 0.3  | 0.05  |
| 11DS0920A | Soil                             | 10.6 | 10.7 | 0.09 | 143.4 | 0.012 | 1    | 0.63 | 0.014 | 0.04 | 0.1  | 0.5  | 0.03 | 0.11  | 74   | 0.3  | 0.02  |
| 11DS0921A | Soil                             | 12.0 | 11.6 | 0.09 | 145.5 | 0.014 | 1    | 0.76 | 0.015 | 0.04 | <0.1 | 0.7  | 0.03 | 0.11  | 52   | 0.2  | <0.02 |
| 11DS0922A | Soil                             | 9.4  | 11.7 | 0.20 | 210.8 | 0.010 | <1   | 0.97 | 0.014 | 0.05 | <0.1 | 0.9  | 0.03 | 0.09  | 94   | 0.2  | 0.04  |
| 11DS0923A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11DS0924A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11DS0925A | Soil                             | 6.4  | 18.8 | 0.28 | 845.7 | 0.023 | 4    | 0.93 | 0.019 | 0.04 | 0.1  | 2.1  | 0.09 | 0.14  | 107  | 0.7  | <0.02 |
| 11DS0926A | Soil                             | 17.6 | 18.4 | 0.39 | 347.7 | 0.020 | 2    | 0.81 | 0.023 | 0.04 | <0.1 | 1.4  | 0.06 | 0.10  | 85   | 0.4  | 0.07  |
| 11DS0927A | Soil                             | 11.5 | 19.4 | 0.26 | 306.3 | 0.032 | 1    | 1.07 | 0.019 | 0.06 | 0.1  | 2.2  | 0.04 | 0.07  | 64   | 0.5  | 0.04  |
| 11DS0928A | Soil                             | 12.9 | 14.0 | 0.29 | 554.6 | 0.011 | 3    | 0.75 | 0.019 | 0.04 | <0.1 | 1.3  | 0.04 | 0.14  | 96   | 0.6  | 0.03  |
| 11DS0929A | Soil                             | 8.4  | 17.7 | 0.25 | 194.3 | 0.027 | 2    | 0.87 | 0.016 | 0.05 | 0.1  | 1.3  | 0.04 | 0.06  | 69   | 0.3  | <0.02 |
| 11DS0930A | Soil                             | 4.0  | 13.4 | 0.26 | 353.4 | 0.037 | 2    | 0.77 | 0.021 | 0.12 | 0.1  | 1.1  | 0.04 | 0.05  | 76   | 0.3  | 0.04  |
| 11DS0931A | Soil                             | 3.1  | 9.1  | 0.22 | 551.6 | 0.022 | 2    | 0.45 | 0.018 | 0.10 | <0.1 | 0.7  | 0.06 | 0.08  | 151  | 0.2  | <0.02 |
| 11DS0932A | Soil                             | 7.2  | 10.6 | 0.40 | 302.2 | 0.035 | 3    | 0.86 | 0.011 | 0.19 | <0.1 | 2.0  | 0.05 | 0.14  | 182  | 0.2  | 0.02  |
| 11DS0933A | Soil                             | 3.0  | 10.9 | 0.29 | 675.4 | 0.040 | 4    | 0.64 | 0.018 | 0.13 | <0.1 | 0.9  | 0.07 | 0.09  | 126  | 0.4  | 0.03  |



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**Project:** Mariposa  
**Report Date:** November 22, 2011

**Page:** 6 of 10 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte | Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|-------------------|-------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
|           |                   |             | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    |
|           |                   |             | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | %    |
|           |                   |             | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    |
| 11DS0934A | Soil              |             | 0.77 | 11.00 | 5.03  | 72.8  | 271  | 9.4  | 9.1  | 2176 | 1.22 | 1.6  | 0.1  | 4.0  | 0.1  | 142.8 | 0.62 | 0.22 | 0.08 | 26   |
| 11DS0935A | Soil              |             | 0.92 | 11.84 | 6.54  | 58.1  | 159  | 12.3 | 11.9 | 2676 | 1.63 | 2.1  | 0.2  | 0.8  | 0.3  | 139.4 | 0.60 | 0.27 | 0.11 | 34   |
| 11DS0936A | Soil              |             | 0.78 | 8.87  | 2.68  | 47.1  | 336  | 6.2  | 2.9  | 1152 | 0.55 | 0.5  | <0.1 | 0.3  | <0.1 | 106.2 | 0.81 | 0.13 | 0.04 | 12   |
| 11DS0937A | Soil              |             | 1.14 | 17.51 | 5.02  | 46.9  | 241  | 17.3 | 6.6  | 2980 | 1.10 | 2.4  | 0.3  | 0.8  | 0.1  | 82.8  | 0.76 | 0.22 | 0.08 | 26   |
| 11DS0938A | Soil              |             | 0.56 | 14.01 | 4.22  | 37.9  | 285  | 11.5 | 6.1  | 852  | 1.50 | 2.7  | 0.4  | 1.0  | 0.5  | 128.4 | 0.31 | 0.29 | 0.08 | 33   |
| 11DS0939A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0940A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0941A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0942A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0943A | Soil              |             | 1.45 | 27.96 | 8.64  | 80.6  | 366  | 10.0 | 5.5  | 810  | 1.16 | 1.2  | 0.9  | 10.6 | 1.2  | 83.8  | 0.79 | 0.19 | 0.24 | 17   |
| 11DS0944A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0945A | Soil              |             | 1.09 | 15.70 | 6.29  | 51.5  | 208  | 7.5  | 4.9  | 302  | 1.14 | 1.7  | 0.8  | 9.4  | 1.9  | 88.0  | 0.43 | 0.22 | 0.14 | 19   |
| 11DS0946A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0947A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0948A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0949A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0950A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0951A | Soil              |             | 2.27 | 43.82 | 13.88 | 40.0  | 386  | 18.9 | 6.3  | 133  | 1.91 | 3.6  | 2.0  | 1.4  | 0.5  | 48.0  | 1.21 | 0.41 | 0.18 | 29   |
| 11DS0952A | Soil              |             | 1.14 | 32.03 | 11.37 | 40.7  | 867  | 14.1 | 3.8  | 133  | 0.96 | 1.3  | 1.0  | 1.2  | <0.1 | 36.6  | 2.16 | 0.20 | 0.10 | 15   |
| 11DS0953A | Soil              |             | 1.27 | 23.24 | 14.00 | 123.3 | 948  | 13.1 | 2.9  | 197  | 0.87 | 1.6  | 0.4  | 0.5  | <0.1 | 38.7  | 2.35 | 2.37 | 0.10 | 14   |
| 11DS0954A | Soil              |             | 0.97 | 20.04 | 7.89  | 46.4  | 574  | 9.0  | 2.9  | 271  | 0.71 | 1.4  | 0.6  | 0.3  | <0.1 | 42.1  | 1.62 | 0.20 | 0.09 | 15   |
| 11DS0955A | Soil              |             | 0.71 | 24.05 | 4.65  | 17.0  | 341  | 5.6  | 1.4  | 67   | 0.62 | 0.9  | 0.3  | 2.2  | <0.1 | 14.6  | 0.64 | 0.13 | 0.12 | 16   |
| 11DS0956A | Soil              |             | 0.99 | 16.99 | 7.13  | 26.4  | 373  | 6.6  | 2.5  | 133  | 0.79 | 1.5  | 0.6  | 2.4  | <0.1 | 21.9  | 0.45 | 0.21 | 0.08 | 15   |
| 11DS0957A | Soil              |             | 1.01 | 61.08 | 23.28 | 43.9  | 1084 | 17.9 | 5.5  | 229  | 1.23 | 1.7  | 2.7  | 3.1  | 0.2  | 45.9  | 1.31 | 0.22 | 0.10 | 12   |
| 11DS0958A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0959A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0960A | Soil              |             | 0.90 | 23.05 | 10.31 | 51.3  | 342  | 11.8 | 5.3  | 144  | 2.19 | 3.7  | 2.0  | 4.8  | 1.0  | 27.8  | 0.34 | 0.42 | 0.19 | 25   |
| 11DS0961A | Soil              |             | 0.84 | 22.38 | 10.75 | 51.1  | 330  | 11.3 | 5.1  | 135  | 2.16 | 3.9  | 2.0  | 3.6  | 1.0  | 27.1  | 0.30 | 0.36 | 0.17 | 25   |
| 11DS0962A | Soil              |             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. |
| 11DS0963A | Soil              |             | 1.14 | 33.34 | 7.16  | 18.9  | 371  | 13.6 | 4.0  | 66   | 1.03 | 1.9  | 2.8  | 1.3  | 0.3  | 35.5  | 0.51 | 0.24 | 0.10 | 12   |



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Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11DS0934A | Soil                             | 2.9  | 12.8 | 0.33 | 730.6 | 0.031 | 4    | 0.68 | 0.012 | 0.12 | 0.2  | 0.8  | 0.05 | 0.07 | 87   | 0.2  | <0.02 |
| 11DS0935A | Soil                             | 4.7  | 15.9 | 0.32 | 789.9 | 0.045 | 2    | 0.87 | 0.013 | 0.13 | 0.1  | 1.2  | 0.06 | 0.05 | 76   | 0.2  | 0.03  |
| 11DS0936A | Soil                             | 1.7  | 5.9  | 0.23 | 401.0 | 0.021 | 3    | 0.31 | 0.013 | 0.19 | <0.1 | 0.5  | 0.03 | 0.09 | 155  | <0.1 | <0.02 |
| 11DS0937A | Soil                             | 5.8  | 11.6 | 0.25 | 662.1 | 0.031 | 1    | 0.62 | 0.013 | 0.09 | <0.1 | 1.2  | 0.04 | 0.05 | 82   | 0.2  | 0.03  |
| 11DS0938A | Soil                             | 4.1  | 14.0 | 0.40 | 495.6 | 0.050 | 4    | 0.87 | 0.014 | 0.14 | 0.1  | 1.8  | 0.06 | 0.08 | 76   | 0.4  | 0.03  |
| 11DS0939A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0940A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0941A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0942A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0943A | Soil                             | 19.0 | 17.9 | 0.35 | 682.1 | 0.031 | 3    | 0.88 | 0.013 | 0.07 | <0.1 | 2.1  | 0.10 | 0.15 | 84   | 0.7  | 0.10  |
| 11DS0944A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0945A | Soil                             | 10.7 | 12.2 | 0.37 | 218.3 | 0.038 | 4    | 0.82 | 0.014 | 0.07 | <0.1 | 2.0  | 0.07 | 0.13 | 82   | 0.3  | 0.05  |
| 11DS0946A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0947A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0948A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0949A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0950A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0951A | Soil                             | 62.5 | 15.8 | 0.22 | 386.1 | 0.029 | 3    | 1.35 | 0.013 | 0.09 | 0.1  | 1.9  | 0.05 | 0.10 | 133  | 0.3  | 0.05  |
| 11DS0952A | Soil                             | 16.8 | 10.3 | 0.13 | 257.7 | 0.004 | 2    | 0.61 | 0.019 | 0.06 | <0.1 | 0.3  | 0.03 | 0.05 | 87   | 0.2  | 0.04  |
| 11DS0953A | Soil                             | 6.0  | 12.0 | 0.11 | 336.9 | 0.005 | 4    | 0.53 | 0.080 | 0.10 | <0.1 | 0.3  | 0.03 | 0.07 | 131  | 0.2  | <0.02 |
| 11DS0954A | Soil                             | 8.5  | 8.6  | 0.09 | 238.0 | 0.004 | 1    | 0.47 | 0.018 | 0.08 | <0.1 | 0.2  | 0.05 | 0.06 | 103  | 0.2  | <0.02 |
| 11DS0955A | Soil                             | 3.6  | 9.8  | 0.05 | 106.6 | 0.002 | 1    | 0.45 | 0.016 | 0.05 | <0.1 | 0.2  | 0.03 | 0.04 | 70   | <0.1 | 0.02  |
| 11DS0956A | Soil                             | 10.0 | 9.6  | 0.08 | 133.6 | 0.009 | <1   | 0.51 | 0.016 | 0.06 | <0.1 | 0.4  | 0.05 | 0.07 | 87   | 0.2  | 0.03  |
| 11DS0957A | Soil                             | 46.5 | 9.8  | 0.11 | 353.3 | 0.007 | 2    | 1.01 | 0.013 | 0.06 | <0.1 | 0.5  | 0.04 | 0.09 | 105  | 0.3  | <0.02 |
| 11DS0958A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0959A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0960A | Soil                             | 23.5 | 18.4 | 0.27 | 233.5 | 0.038 | 2    | 1.25 | 0.013 | 0.05 | 0.1  | 2.9  | 0.09 | 0.07 | 76   | 0.2  | 0.05  |
| 11DS0961A | Soil                             | 23.2 | 18.9 | 0.26 | 241.5 | 0.036 | 2    | 1.21 | 0.014 | 0.05 | <0.1 | 2.8  | 0.09 | 0.07 | 80   | 0.5  | 0.07  |
| 11DS0962A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11DS0963A | Soil                             | 37.6 | 13.3 | 0.09 | 275.0 | 0.007 | 2    | 0.83 | 0.013 | 0.03 | <0.1 | 0.6  | 0.03 | 0.08 | 87   | 0.4  | 0.05  |



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Project: Mariposa

Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.1  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11DS0964A | Soil                             | 1.18 | 25.77 | 6.16  | 22.4  | 314  | 10.8 | 3.6  | 88   | 1.13 | 2.0  | 1.9  | 2.0  | 0.2  | 34.6  | 0.45 | 0.34 | 0.09 | 14   | 0.31 |
| 11DS0965A | Soil                             | 1.32 | 23.35 | 11.43 | 32.2  | 196  | 14.1 | 4.9  | 99   | 1.44 | 2.2  | 1.7  | 0.9  | 0.3  | 44.4  | 0.36 | 0.45 | 0.09 | 17   | 0.44 |
| 11DS0966A | Soil                             | 1.07 | 28.31 | 5.75  | 20.1  | 253  | 9.6  | 2.7  | 62   | 1.00 | 1.5  | 1.3  | 0.9  | 0.1  | 26.3  | 0.55 | 0.29 | 0.10 | 18   | 0.21 |
| 11DS0967A | Soil                             | 1.26 | 15.09 | 4.48  | 24.8  | 255  | 11.3 | 4.2  | 92   | 1.05 | 1.7  | 1.6  | 0.9  | 0.1  | 48.0  | 0.42 | 0.37 | 0.06 | 8    | 0.44 |
| 11DS0968A | Soil                             | 1.08 | 19.96 | 6.65  | 35.2  | 238  | 12.7 | 4.6  | 94   | 1.39 | 3.2  | 1.5  | 1.7  | 0.3  | 37.6  | 0.34 | 0.34 | 0.12 | 18   | 0.33 |
| 11DS0969A | Soil                             | 1.39 | 25.77 | 6.28  | 28.4  | 259  | 10.8 | 3.6  | 117  | 0.90 | 1.6  | 1.5  | 0.8  | <0.1 | 37.4  | 0.60 | 0.26 | 0.09 | 13   | 0.36 |
| 11DS0970A | Soil                             | 0.89 | 18.86 | 6.09  | 30.9  | 245  | 11.6 | 4.8  | 81   | 1.38 | 3.2  | 1.7  | 1.1  | 0.3  | 39.2  | 0.35 | 0.37 | 0.10 | 14   | 0.36 |
| 11DS0971A | Soil                             | 1.24 | 24.28 | 5.85  | 24.9  | 160  | 12.8 | 4.5  | 81   | 1.09 | 2.2  | 1.6  | 0.7  | 0.1  | 38.8  | 0.61 | 0.29 | 0.09 | 11   | 0.31 |
| 11DS0972A | Soil                             | 1.09 | 26.81 | 8.09  | 40.7  | 332  | 14.4 | 5.9  | 155  | 1.64 | 3.1  | 1.4  | 1.1  | 0.2  | 47.7  | 0.43 | 0.35 | 0.11 | 16   | 0.45 |
| 11DS0973A | Soil                             | 1.03 | 16.44 | 5.37  | 32.1  | 135  | 8.4  | 5.8  | 88   | 1.09 | 1.8  | 0.9  | 0.6  | 0.2  | 33.3  | 0.43 | 0.22 | 0.08 | 13   | 0.31 |
| 11DS0974A | Soil                             | 0.77 | 12.30 | 7.64  | 52.7  | 112  | 9.3  | 10.7 | 331  | 1.86 | 3.3  | 1.2  | 1.3  | 1.3  | 36.7  | 0.23 | 0.38 | 0.12 | 23   | 0.39 |
| 11DS0975A | Soil                             | 0.74 | 5.09  | 2.62  | 51.7  | 43   | 4.2  | 3.1  | 152  | 0.66 | 1.4  | 0.3  | 1.2  | 0.9  | 138.3 | 0.15 | 0.13 | 0.05 | 11   | 1.36 |
| 11DS0976A | Soil                             | 1.15 | 10.10 | 5.48  | 81.9  | 139  | 8.6  | 6.2  | 1521 | 1.12 | 1.9  | 0.1  | 0.7  | 0.3  | 147.9 | 0.25 | 0.22 | 0.09 | 21   | 1.46 |
| 11DS0977A | Soil                             | 0.85 | 9.36  | 4.89  | 122.1 | 219  | 7.4  | 6.5  | 1317 | 1.20 | 1.8  | 0.1  | 0.8  | 0.3  | 164.9 | 0.40 | 0.19 | 0.07 | 23   | 1.60 |
| 11DS0978A | Soil                             | 1.04 | 15.76 | 11.91 | 23.8  | 143  | 10.3 | 2.7  | 90   | 0.65 | 0.8  | 0.3  | 0.3  | <0.1 | 31.8  | 0.65 | 0.19 | 0.07 | 10   | 0.15 |
| 11DS0979A | Soil                             | 0.65 | 11.84 | 4.05  | 18.2  | 495  | 7.0  | 4.5  | 139  | 0.85 | 1.2  | 0.6  | 0.8  | <0.1 | 28.2  | 0.68 | 0.18 | 0.06 | 13   | 0.21 |
| 11DS0980A | Soil                             | 0.79 | 23.64 | 7.48  | 35.0  | 384  | 11.5 | 4.0  | 111  | 1.58 | 2.5  | 0.9  | 1.4  | 0.1  | 35.8  | 0.38 | 0.24 | 0.11 | 27   | 0.35 |
| 11DS0981A | Soil                             | 0.95 | 19.95 | 7.52  | 29.8  | 521  | 10.8 | 3.8  | 100  | 1.38 | 1.9  | 0.9  | 1.2  | 0.1  | 36.1  | 0.28 | 0.25 | 0.10 | 22   | 0.36 |
| 11DS0982A | Soil                             | 0.97 | 19.10 | 6.23  | 63.1  | 114  | 16.9 | 10.5 | 720  | 1.85 | 3.6  | 0.8  | 2.1  | 1.3  | 69.6  | 0.49 | 0.48 | 0.11 | 36   | 1.12 |
| 11DS0983A | Soil                             | 0.62 | 24.57 | 5.92  | 52.5  | 98   | 20.3 | 7.2  | 499  | 1.68 | 3.2  | 0.6  | 1.5  | 1.3  | 65.6  | 0.62 | 0.40 | 0.10 | 33   | 1.26 |
| 11DS0984A | Soil                             | 0.97 | 18.31 | 7.94  | 57.2  | 70   | 15.1 | 7.7  | 498  | 1.49 | 3.6  | 0.4  | 1.0  | 0.6  | 65.9  | 0.48 | 0.44 | 0.09 | 32   | 1.22 |
| 11DS0985A | Soil                             | 1.23 | 25.60 | 8.37  | 49.4  | 86   | 17.3 | 7.1  | 664  | 1.34 | 3.2  | 0.5  | 7.8  | 0.5  | 76.2  | 0.83 | 0.55 | 0.08 | 26   | 1.41 |
| 11DS0986A | Soil                             | 0.93 | 28.18 | 6.70  | 20.8  | 817  | 12.1 | 4.9  | 81   | 0.63 | 0.8  | 0.3  | 0.5  | <0.1 | 33.2  | 0.72 | 0.17 | 0.07 | 11   | 0.30 |
| 11DS0987A | Soil                             | 1.28 | 49.43 | 9.41  | 40.5  | 542  | 21.6 | 7.1  | 109  | 1.21 | 1.8  | 0.8  | 4.3  | <0.1 | 35.8  | 0.92 | 0.24 | 0.07 | 20   | 0.40 |
| 11DS0988A | Soil                             | 1.02 | 28.23 | 7.13  | 75.7  | 411  | 16.0 | 4.8  | 136  | 0.68 | 0.9  | 0.2  | 0.7  | <0.1 | 33.1  | 1.36 | 0.18 | 0.08 | 15   | 0.28 |
| 11DS0989A | Soil                             | 1.77 | 18.95 | 5.71  | 19.7  | 264  | 8.6  | 2.9  | 221  | 0.69 | 0.6  | 0.5  | 1.8  | <0.1 | 47.4  | 0.22 | 0.27 | 0.04 | 10   | 0.89 |
| 11DS0990A | Soil                             | 1.14 | 20.46 | 10.42 | 35.1  | 265  | 10.1 | 5.4  | 168  | 1.58 | 1.9  | 0.7  | 3.6  | 0.5  | 28.3  | 0.15 | 0.17 | 0.09 | 28   | 0.40 |
| 11DS0991A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11DS0992A | Soil                             | 0.58 | 20.15 | 8.64  | 17.2  | 338  | 6.7  | 2.4  | 112  | 0.82 | 0.8  | 0.7  | 0.6  | <0.1 | 36.8  | 0.20 | 0.19 | 0.05 | 7    | 0.57 |
| 11DS0993A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. |



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Project: Mariposa  
Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02 | 5    | 0.1  | 0.02  |
| 11DS0964A | Soil                             | 27.0 | 12.3 | 0.10 | 249.8 | 0.018 | 3    | 0.80 | 0.013 | 0.05 | <0.1 | 1.2  | 0.03  | 0.07 | 97   | 0.5  | 0.05  |
| 11DS0965A | Soil                             | 39.3 | 13.7 | 0.17 | 316.8 | 0.027 | 4    | 0.95 | 0.013 | 0.05 | <0.1 | 1.9  | 0.05  | 0.08 | 84   | 0.4  | 0.02  |
| 11DS0966A | Soil                             | 22.4 | 12.9 | 0.07 | 213.3 | 0.015 | 2    | 0.62 | 0.012 | 0.05 | <0.1 | 0.6  | 0.04  | 0.06 | 77   | 0.2  | 0.07  |
| 11DS0967A | Soil                             | 40.7 | 8.3  | 0.10 | 355.6 | 0.013 | 2    | 0.74 | 0.014 | 0.04 | <0.1 | 1.4  | 0.03  | 0.09 | 124  | 0.5  | 0.05  |
| 11DS0968A | Soil                             | 21.1 | 17.1 | 0.19 | 279.0 | 0.023 | 2    | 1.04 | 0.012 | 0.05 | <0.1 | 1.8  | 0.05  | 0.07 | 103  | 0.4  | 0.06  |
| 11DS0969A | Soil                             | 23.1 | 10.1 | 0.09 | 277.7 | 0.008 | 2    | 0.55 | 0.016 | 0.06 | <0.1 | 0.6  | 0.03  | 0.08 | 82   | 0.3  | 0.05  |
| 11DS0970A | Soil                             | 22.3 | 13.6 | 0.15 | 286.0 | 0.019 | 2    | 1.00 | 0.013 | 0.04 | <0.1 | 1.9  | 0.05  | 0.09 | 118  | 0.4  | 0.03  |
| 11DS0971A | Soil                             | 19.7 | 10.4 | 0.11 | 269.3 | 0.012 | 2    | 0.71 | 0.014 | 0.04 | <0.1 | 1.0  | 0.03  | 0.09 | 113  | 0.4  | 0.04  |
| 11DS0972A | Soil                             | 21.1 | 14.6 | 0.20 | 326.1 | 0.022 | 2    | 1.01 | 0.013 | 0.04 | <0.1 | 1.7  | 0.05  | 0.07 | 94   | 0.4  | 0.03  |
| 11DS0973A | Soil                             | 13.7 | 9.7  | 0.12 | 218.4 | 0.021 | 2    | 0.59 | 0.011 | 0.05 | <0.1 | 1.1  | 0.03  | 0.06 | 78   | 0.3  | 0.04  |
| 11DS0974A | Soil                             | 18.4 | 15.9 | 0.28 | 223.1 | 0.038 | 2    | 1.10 | 0.010 | 0.05 | 0.1  | 2.8  | 0.05  | 0.04 | 75   | 0.3  | <0.02 |
| 11DS0975A | Soil                             | 3.9  | 8.2  | 0.20 | 105.6 | 0.024 | 4    | 0.46 | 0.010 | 0.04 | <0.1 | 1.1  | 0.03  | 0.11 | 55   | 0.3  | 0.06  |
| 11DS0976A | Soil                             | 2.7  | 13.9 | 0.27 | 389.5 | 0.036 | 5    | 0.69 | 0.011 | 0.09 | <0.1 | 1.0  | 0.04  | 0.08 | 78   | 0.3  | 0.03  |
| 11DS0977A | Soil                             | 2.5  | 11.5 | 0.34 | 530.9 | 0.046 | 7    | 0.80 | 0.012 | 0.09 | <0.1 | 1.3  | 0.04  | 0.08 | 73   | 0.2  | 0.07  |
| 11DS0978A | Soil                             | 3.9  | 12.0 | 0.06 | 273.2 | 0.004 | 2    | 0.44 | 0.016 | 0.05 | <0.1 | 0.4  | 0.02  | 0.04 | 100  | 0.3  | 0.07  |
| 11DS0979A | Soil                             | 9.5  | 9.5  | 0.08 | 355.6 | 0.015 | 1    | 0.69 | 0.008 | 0.06 | <0.1 | 1.5  | 0.03  | 0.07 | 86   | 0.4  | <0.02 |
| 11DS0980A | Soil                             | 11.0 | 19.4 | 0.21 | 369.5 | 0.029 | 2    | 1.08 | 0.013 | 0.06 | <0.1 | 1.8  | 0.04  | 0.06 | 76   | 0.4  | 0.06  |
| 11DS0981A | Soil                             | 10.1 | 17.2 | 0.18 | 368.3 | 0.025 | 2    | 1.02 | 0.012 | 0.05 | <0.1 | 1.8  | 0.04  | 0.07 | 88   | 0.5  | 0.03  |
| 11DS0982A | Soil                             | 11.8 | 21.2 | 0.45 | 412.0 | 0.055 | 2    | 1.24 | 0.022 | 0.06 | 0.1  | 3.3  | 0.05  | 0.06 | 68   | 0.4  | 0.07  |
| 11DS0983A | Soil                             | 9.5  | 22.9 | 0.46 | 267.5 | 0.060 | 3    | 1.11 | 0.025 | 0.06 | 0.2  | 2.9  | 0.05  | 0.07 | 50   | 0.5  | <0.02 |
| 11DS0984A | Soil                             | 6.5  | 18.8 | 0.35 | 257.7 | 0.044 | 3    | 0.86 | 0.019 | 0.05 | 0.2  | 2.2  | 0.04  | 0.08 | 55   | 0.5  | 0.04  |
| 11DS0985A | Soil                             | 7.7  | 18.0 | 0.32 | 325.9 | 0.036 | 3    | 0.80 | 0.018 | 0.04 | 0.1  | 2.0  | 0.04  | 0.11 | 72   | 0.5  | 0.03  |
| 11DS0986A | Soil                             | 4.4  | 7.9  | 0.07 | 171.4 | 0.004 | 1    | 0.50 | 0.014 | 0.07 | <0.1 | 0.3  | <0.02 | 0.07 | 95   | 0.3  | <0.02 |
| 11DS0987A | Soil                             | 9.7  | 22.0 | 0.22 | 272.3 | 0.011 | 2    | 0.81 | 0.015 | 0.08 | <0.1 | 0.6  | 0.05  | 0.08 | 110  | 0.5  | 0.03  |
| 11DS0988A | Soil                             | 3.5  | 10.7 | 0.08 | 403.8 | 0.003 | 1    | 0.43 | 0.017 | 0.08 | <0.1 | 0.4  | <0.02 | 0.05 | 81   | 0.3  | 0.03  |
| 11DS0989A | Soil                             | 6.6  | 10.9 | 0.12 | 269.7 | 0.022 | 3    | 0.43 | 0.014 | 0.04 | <0.1 | 1.4  | 0.02  | 0.12 | 67   | 0.3  | 0.02  |
| 11DS0990A | Soil                             | 6.5  | 19.2 | 0.27 | 181.9 | 0.062 | 1    | 0.88 | 0.013 | 0.05 | 0.1  | 2.0  | 0.05  | 0.09 | 64   | 0.4  | 0.03  |
| 11DS0991A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |
| 11DS0992A | Soil                             | 10.4 | 7.8  | 0.10 | 297.8 | 0.016 | 2    | 0.64 | 0.012 | 0.04 | <0.1 | 1.2  | 0.03  | 0.12 | 100  | 0.5  | 0.04  |
| 11DS0993A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  |





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Project: Mariposa  
Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11DS0994A | Soil                             | 0.99   | 21.53  | 7.79   | 29.7   | 646    | 8.6    | 4.5    | 115    | 1.66   | 1.6    | 1.4    | 1.4    | 0.7    | 27.6   | 0.20   | 0.22   | 0.09   | 24     | 0.32   |
| 11DS0995A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11DS0996A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11DS0997A | Soil                             | 0.93   | 19.41  | 6.68   | 51.0   | 270    | 9.5    | 7.1    | 253    | 1.80   | 2.1    | 0.7    | 4.3    | 1.3    | 25.2   | 0.22   | 0.15   | 0.09   | 38     | 0.42   |
| 11DS0998A | Soil                             | 0.92   | 18.83  | 4.59   | 28.4   | 213    | 6.4    | 3.9    | 171    | 1.33   | 2.0    | 0.5    | 2.8    | 0.3    | 16.5   | 0.14   | 0.15   | 0.08   | 27     | 0.18   |
| 11DS0999A | Soil                             | 0.82   | 15.13  | 5.13   | 42.1   | 286    | 7.5    | 5.6    | 132    | 1.72   | 1.6    | 0.5    | 3.7    | 0.5    | 25.2   | 0.13   | 0.14   | 0.08   | 35     | 0.26   |
| 11DS1000A | Soil                             | 0.60   | 20.95  | 5.50   | 31.8   | 207    | 7.4    | 5.8    | 156    | 1.51   | 2.0    | 0.5    | 2.0    | 0.3    | 32.7   | 0.23   | 0.21   | 0.07   | 21     | 0.35   |
| 11DS1001A | Soil                             | 0.57   | 20.38  | 6.49   | 30.8   | 195    | 7.6    | 6.3    | 145    | 1.42   | 1.6    | 0.5    | 1.6    | 0.2    | 32.4   | 0.16   | 0.20   | 0.05   | 19     | 0.35   |
| 11DS1002A | Soil                             | 0.88   | 43.35  | 2.96   | 17.8   | 749    | 14.1   | 5.2    | 604    | 0.94   | 1.2    | 1.5    | 4.5    | 0.3    | 95.0   | 0.33   | 0.38   | 0.05   | 19     | 2.64   |
| 11DS1003A | Soil                             | 1.06   | 25.98  | 6.03   | 41.2   | 643    | 12.2   | 11.7   | 1979   | 1.22   | 1.1    | 0.5    | 0.6    | 0.2    | 49.5   | 1.30   | 0.18   | 0.08   | 20     | 0.81   |
| 11DS1004A | Soil                             | 1.40   | 34.06  | 8.69   | 44.8   | 820    | 12.9   | 8.7    | 968    | 1.26   | 1.6    | 0.8    | 0.6    | 0.4    | 47.5   | 1.16   | 0.18   | 0.07   | 27     | 0.87   |
| 11DS1005A | Soil                             | 0.85   | 16.14  | 5.02   | 20.0   | 847    | 7.7    | 2.7    | 182    | 0.58   | 1.1    | 0.4    | 1.0    | <0.1   | 26.9   | 0.49   | 0.13   | 0.05   | 8      | 0.38   |
| 11DS1006A | Soil                             | 0.75   | 40.71  | 7.75   | 18.1   | 553    | 9.1    | 4.4    | 80     | 1.16   | 1.3    | 1.3    | 1.5    | <0.1   | 30.6   | 0.56   | 0.17   | 0.07   | 15     | 0.22   |
| 11DS1007A | Soil                             | 0.82   | 46.60  | 8.85   | 36.5   | 710    | 13.0   | 5.7    | 302    | 1.13   | 1.8    | 1.3    | 2.0    | 0.1    | 37.2   | 0.88   | 0.19   | 0.09   | 18     | 0.45   |
| 11DS1008A | Soil                             | 1.33   | 26.15  | 6.40   | 25.1   | 488    | 9.8    | 4.8    | 84     | 1.13   | 1.7    | 1.2    | 0.7    | <0.1   | 35.0   | 0.80   | 0.24   | 0.08   | 18     | 0.34   |
| 11DS1009A | Soil                             | 1.29   | 35.35  | 7.46   | 31.4   | 544    | 12.7   | 7.9    | 133    | 1.08   | 1.2    | 1.5    | 0.4    | <0.1   | 48.2   | 1.44   | 0.23   | 0.06   | 13     | 0.64   |
| 11DS1010A | Soil                             | 1.37   | 33.08  | 26.07  | 55.8   | 843    | 10.8   | 6.3    | 200    | 1.08   | 1.8    | 1.3    | <0.2   | 0.1    | 45.4   | 2.61   | 0.27   | 0.12   | 17     | 0.70   |
| 11CB0382A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB0384A | Soil                             | 0.63   | 19.33  | 7.77   | 75.5   | 170    | 10.9   | 6.5    | 866    | 1.51   | 2.4    | 1.6    | 1.1    | 1.5    | 20.9   | 0.20   | 0.28   | 0.11   | 24     | 0.35   |
| 11CB0386A | Soil                             | 0.80   | 29.82  | 8.22   | 272.6  | 886    | 14.9   | 5.6    | 2182   | 1.37   | 2.5    | 0.6    | 0.4    | 0.5    | 140.0  | 1.52   | 0.32   | 0.13   | 24     | 2.10   |
| 11CB0387A | Soil                             | 0.94   | 18.07  | 6.76   | 42.4   | 247    | 9.5    | 3.2    | 331    | 1.19   | 2.8    | 0.4    | 1.4    | 0.2    | 21.2   | 0.39   | 0.29   | 0.13   | 28     | 0.16   |
| 11CB0388A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB0389A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0947A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0948A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0949A | Soil                             | 2.77   | 26.14  | 7.20   | 31.7   | 297    | 9.6    | 3.4    | 93     | 1.27   | 3.6    | 2.8    | 1.7    | 0.6    | 37.2   | 0.38   | 0.36   | 0.36   | 17     | 0.36   |
| 11TB0950A | Soil                             | 1.05   | 23.67  | 6.62   | 35.4   | 246    | 9.9    | 4.1    | 94     | 1.44   | 3.3    | 2.3    | 1.5    | 0.5    | 24.0   | 0.29   | 0.27   | 0.15   | 24     | 0.23   |
| 11TB0951A | Soil                             | 0.71   | 10.26  | 6.16   | 49.3   | 160    | 10.8   | 7.4    | 1041   | 1.98   | 3.3    | 0.2    | 1.4    | 1.0    | 39.8   | 0.20   | 0.29   | 0.11   | 46     | 0.45   |
| 11TB0952A | Soil                             | 0.70   | 7.91   | 5.70   | 103.7  | 83     | 9.6    | 9.0    | 1154   | 2.40   | 2.8    | 0.2    | 2.6    | 0.5    | 51.9   | 0.19   | 0.25   | 0.10   | 54     | 0.76   |
| 11TB0952A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |



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Project: Mariposa  
Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11DS0994A | Soil                             | 19.0   | 15.4   | 0.25   | 203.9  | 0.057  | 2      | 0.92   | 0.016  | 0.05   | <0.1   | 2.9    | 0.08   | 0.09   | 64     | 0.6    | 0.08   |
| 11DS0995A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11DS0996A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11DS0997A | Soil                             | 17.4   | 16.0   | 0.51   | 196.2  | 0.099  | <1     | 1.40   | 0.011  | 0.16   | 0.2    | 2.3    | 0.15   | 0.08   | 66     | 0.4    | <0.02  |
| 11DS0998A | Soil                             | 5.8    | 9.9    | 0.24   | 134.1  | 0.065  | 1      | 0.81   | 0.012  | 0.11   | 0.1    | 1.3    | 0.10   | 0.07   | 60     | 0.5    | <0.02  |
| 11DS0999A | Soil                             | 7.8    | 14.0   | 0.37   | 161.7  | 0.075  | 2      | 1.07   | 0.011  | 0.09   | 0.1    | 1.8    | 0.11   | 0.06   | 69     | 0.2    | 0.07   |
| 11DS1000A | Soil                             | 8.3    | 8.8    | 0.23   | 239.8  | 0.052  | <1     | 0.89   | 0.011  | 0.06   | <0.1   | 2.0    | 0.06   | 0.07   | 82     | 0.6    | <0.02  |
| 11DS1001A | Soil                             | 7.9    | 7.7    | 0.21   | 237.8  | 0.039  | 1      | 0.90   | 0.010  | 0.05   | <0.1   | 1.6    | 0.05   | 0.08   | 63     | 0.3    | <0.02  |
| 11DS1002A | Soil                             | 20.6   | 10.1   | 0.26   | 602.3  | 0.017  | 3      | 0.83   | 0.015  | 0.05   | <0.1   | 1.5    | 0.06   | 0.13   | 121    | 1.0    | <0.02  |
| 11DS1003A | Soil                             | 8.0    | 9.2    | 0.24   | 620.9  | 0.039  | 2      | 0.60   | 0.014  | 0.15   | <0.1   | 1.5    | 0.05   | 0.04   | 100    | 0.3    | <0.02  |
| 11DS1004A | Soil                             | 11.2   | 9.7    | 0.28   | 366.9  | 0.053  | 2      | 0.80   | 0.014  | 0.12   | 0.1    | 1.8    | 0.05   | 0.06   | 82     | 0.5    | <0.02  |
| 11DS1005A | Soil                             | 4.4    | 6.0    | 0.11   | 256.3  | 0.011  | <1     | 0.39   | 0.010  | 0.09   | <0.1   | 0.5    | <0.02  | 0.09   | 125    | 0.2    | <0.02  |
| 11DS1006A | Soil                             | 15.7   | 7.8    | 0.10   | 376.6  | 0.016  | 1      | 0.86   | 0.009  | 0.06   | <0.1   | 1.1    | 0.03   | 0.07   | 83     | 0.8    | <0.02  |
| 11DS1007A | Soil                             | 21.4   | 9.9    | 0.12   | 367.3  | 0.020  | <1     | 0.68   | 0.013  | 0.06   | <0.1   | 1.3    | 0.02   | 0.04   | 72     | 0.3    | <0.02  |
| 11DS1008A | Soil                             | 14.3   | 8.6    | 0.14   | 324.6  | 0.009  | 1      | 0.70   | 0.010  | 0.06   | <0.1   | 0.6    | 0.02   | 0.06   | 116    | 0.4    | <0.02  |
| 11DS1009A | Soil                             | 14.7   | 8.2    | 0.13   | 330.4  | 0.012  | <1     | 0.65   | 0.012  | 0.07   | <0.1   | 1.2    | 0.03   | 0.09   | 145    | 0.5    | <0.02  |
| 11DS1010A | Soil                             | 24.1   | 10.0   | 0.17   | 307.9  | 0.017  | 2      | 0.74   | 0.011  | 0.05   | <0.1   | 1.4    | <0.02  | 0.05   | 97     | 0.5    | 0.07   |
| 11CB0382A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB0384A | Soil                             | 23.8   | 13.7   | 0.34   | 238.1  | 0.039  | 1      | 1.02   | 0.010  | 0.10   | <0.1   | 1.4    | 0.07   | 0.05   | 41     | 0.4    | <0.02  |
| 11CB0386A | Soil                             | 13.4   | 14.6   | 0.23   | 939.2  | 0.035  | 3      | 0.95   | 0.027  | 0.16   | <0.1   | 2.3    | 0.05   | 0.05   | 35     | 0.3    | 0.03   |
| 11CB0387A | Soil                             | 5.4    | 12.6   | 0.09   | 213.8  | 0.028  | 1      | 0.96   | 0.013  | 0.06   | <0.1   | 1.0    | 0.04   | 0.03   | 21     | 0.4    | <0.02  |
| 11CB0388A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11CB0389A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0947A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |
| 11TB0948A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11TB0949A | Soil                             | 28.7   | 14.3   | 0.16   | 294.9  | 0.025  | 2      | 1.04   | 0.015  | 0.05   | 0.1    | 2.2    | 0.08   | 0.09   | 104    | 0.2    | 0.10   |
| 11TB0950A | Soil                             | 18.1   | 15.9   | 0.21   | 205.5  | 0.021  | 1      | 1.19   | 0.009  | 0.04   | 0.1    | 1.5    | 0.05   | 0.07   | 58     | 0.2    | <0.02  |
| 11TB0951A | Soil                             | 4.2    | 17.1   | 0.39   | 361.0  | 0.048  | 1      | 1.30   | 0.011  | 0.06   | 0.1    | 2.0    | 0.05   | 0.02   | 60     | 0.2    | <0.02  |
| 11TB0952A | Soil                             | 3.4    | 16.0   | 0.56   | 399.6  | 0.051  | 1      | 1.45   | 0.011  | 0.07   | <0.1   | 1.9    | 0.03   | 0.04   | 60     | 0.3    | <0.02  |
| 11TB0952A | Soil                             | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   | I.S.   |



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Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11TB0953A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11TB0954A | Soil                             | 0.79        | 7.79        | 10.08       | 55.4       | 160      | 7.6        | 6.6        | 450      | 1.69      | 3.4        | 0.4        | 1.6        | 1.8        | 24.1       | 0.14        | 0.18        | 0.13        | 29       | 0.48      |
| 11TB0955A | Soil                             | 1.72        | 15.07       | 11.52       | 42.0       | 196      | 6.4        | 2.9        | 133      | 1.36      | 2.9        | 0.3        | 10.1       | 0.7        | 11.5       | 1.00        | 0.37        | 0.19        | 56       | 0.11      |
| 11TB0956A | Soil                             | 0.78        | 8.20        | 12.62       | 21.7       | 130      | 4.9        | 2.7        | 113      | 0.98      | 1.7        | 0.2        | <0.2       | <0.1       | 29.3       | 0.12        | 0.22        | 0.06        | 26       | 0.14      |
| 11TB0957A | Soil                             | 0.69        | 13.10       | 4.91        | 32.3       | 221      | 7.6        | 4.1        | 155      | 1.47      | 2.0        | 0.3        | 1.0        | <0.1       | 35.5       | 0.21        | 0.21        | 0.09        | 44       | 0.16      |
| 11TB0958A | Soil                             | 0.52        | 28.12       | 6.46        | 20.8       | 479      | 10.7       | 2.7        | 63       | 1.25      | 2.0        | 1.0        | 1.0        | <0.1       | 46.1       | 0.35        | 0.20        | 0.10        | 21       | 0.38      |
| 11TB0959A | Soil                             | 0.66        | 7.94        | 4.43        | 36.5       | 240      | 6.9        | 4.4        | 183      | 1.60      | 3.4        | 0.4        | 0.4        | 0.2        | 38.0       | 0.09        | 0.16        | 0.09        | 37       | 0.31      |
| 11TB0960A | Soil                             | 0.62        | 9.68        | 4.08        | 40.8       | 127      | 7.4        | 5.8        | 368      | 1.53      | 2.4        | 0.5        | 0.7        | 0.2        | 53.1       | 0.13        | 0.21        | 0.08        | 36       | 0.70      |
| 11TB0961A | Soil                             | 0.66        | 10.92       | 4.30        | 44.6       | 127      | 7.6        | 6.2        | 425      | 1.75      | 2.8        | 0.6        | 0.7        | 0.2        | 49.6       | 0.19        | 0.19        | 0.08        | 41       | 0.64      |
| 11TB0962A | Soil                             | 1.12        | 14.07       | 3.56        | 26.4       | 112      | 8.4        | 15.3       | 2292     | 0.85      | 1.4        | 0.5        | 1.1        | <0.1       | 59.4       | 0.36        | 0.33        | 0.04        | 13       | 0.89      |
| 11TB0963A | Soil                             | 1.00        | 12.53       | 5.21        | 54.2       | 81       | 12.3       | 15.9       | 1293     | 2.88      | 8.3        | 1.2        | 2.3        | 2.3        | 49.6       | 0.20        | 0.29        | 0.10        | 58       | 0.76      |
| 11TB0964A | Soil                             | 0.69        | 7.52        | 4.69        | 59.4       | 66       | 7.1        | 8.4        | 848      | 1.71      | 1.7        | 0.1        | 0.8        | 0.3        | 219.7      | 0.26        | 0.16        | 0.12        | 39       | 1.44      |
| 11TB0965A | Soil                             | 0.82        | 7.77        | 6.46        | 34.2       | 219      | 10.2       | 6.2        | 299      | 1.99      | 2.7        | 0.2        | 0.6        | 0.7        | 29.5       | 0.13        | 0.29        | 0.13        | 50       | 0.24      |
| 11TB0966A | Soil                             | 0.79        | 13.42       | 8.95        | 64.1       | 185      | 17.6       | 10.3       | 1711     | 2.18      | 4.7        | 0.3        | 2.2        | 0.9        | 47.6       | 0.34        | 0.32        | 0.13        | 50       | 0.67      |
| 11TB0967A | Soil                             | 0.88        | 10.37       | 7.33        | 46.3       | 266      | 9.7        | 6.9        | 294      | 2.29      | 3.8        | 0.3        | <0.2       | 0.5        | 42.1       | 0.15        | 0.20        | 0.11        | 63       | 0.30      |
| 11TB0968A | Soil                             | 0.71        | 12.65       | 6.40        | 53.2       | 104      | 14.4       | 8.2        | 993      | 2.15      | 4.0        | 0.3        | 0.5        | 1.1        | 45.2       | 0.33        | 0.26        | 0.12        | 50       | 0.58      |
| 11TB0969A | Soil                             | 1.16        | 18.25       | 7.87        | 39.0       | 894      | 12.5       | 4.5        | 540      | 1.11      | 2.0        | 0.6        | 0.9        | <0.1       | 48.9       | 0.59        | 0.22        | 0.13        | 25       | 0.43      |
| 11TB0970A | Soil                             | 0.50        | 18.58       | 6.96        | 53.9       | 190      | 15.2       | 9.4        | 611      | 2.14      | 4.2        | 0.7        | 4.5        | 1.4        | 87.5       | 0.16        | 0.39        | 0.09        | 50       | 1.13      |
| 11TB0971A | Soil                             | 0.67        | 10.27       | 4.99        | 21.0       | 359      | 5.6        | 2.7        | 78       | 1.07      | 1.9        | 0.3        | 1.4        | 0.2        | 22.8       | 0.28        | 0.14        | 0.11        | 29       | 0.17      |
| 11TB0972A | Soil                             | 0.55        | 8.72        | 6.21        | 26.6       | 117      | 7.6        | 3.5        | 109      | 1.36      | 2.5        | 0.3        | 2.2        | <0.1       | 29.3       | 0.22        | 0.16        | 0.10        | 37       | 0.19      |
| 11TB0973A | Soil                             | 0.78        | 11.82       | 6.87        | 46.7       | 390      | 12.0       | 6.6        | 282      | 2.11      | 2.6        | 0.3        | 0.3        | 0.1        | 46.7       | 0.16        | 0.22        | 0.07        | 53       | 0.40      |
| 11TB0974A | Soil                             | 0.92        | 8.39        | 6.55        | 33.6       | 193      | 9.5        | 9.3        | 1189     | 1.74      | 2.9        | 0.3        | 0.8        | 0.4        | 30.3       | 0.14        | 0.20        | 0.11        | 45       | 0.26      |
| 11TB0975A | Soil                             | 1.00        | 19.48       | 10.68       | 38.2       | 255      | 16.5       | 9.9        | 399      | 1.94      | 2.5        | 0.8        | 1.0        | 0.4        | 50.2       | 0.26        | 0.23        | 0.14        | 39       | 0.40      |
| 11TB0976A | Soil                             | 0.62        | 14.07       | 4.50        | 42.4       | 143      | 8.8        | 5.0        | 399      | 1.18      | 2.2        | 0.6        | 2.2        | 0.4        | 132.1      | 0.25        | 0.33        | 0.10        | 29       | 1.50      |
| 11TB0977A | Soil                             | 1.00        | 8.29        | 12.56       | 60.2       | 206      | 10.1       | 6.8        | 462      | 2.07      | 4.1        | 0.5        | 1.5        | 2.4        | 23.1       | 0.18        | 0.15        | 0.27        | 35       | 0.46      |
| 11TB0978A | Soil                             | 1.44        | 16.88       | 7.30        | 37.6       | 377      | 6.6        | 2.2        | 62       | 0.92      | 2.0        | 0.3        | 5.2        | 0.1        | 12.7       | 1.86        | 0.31        | 0.21        | 37       | 0.12      |
| 11TB0979A | Soil                             | 1.18        | 63.96       | 12.81       | 153.9      | 277      | 11.6       | 7.9        | 536      | 1.95      | 2.3        | 0.8        | 12.8       | 1.2        | 58.1       | 0.72        | 0.28        | 0.14        | 40       | 1.88      |
| 11TB0980A | Soil                             | 1.34        | 50.01       | 18.42       | 159.9      | 366      | 15.1       | 11.3       | 778      | 2.46      | 3.0        | 1.3        | 22.1       | 1.9        | 48.4       | 0.66        | 0.26        | 0.16        | 55       | 1.39      |
| 11TB0981A | Soil                             | 2.19        | 60.20       | 11.76       | 111.4      | 401      | 13.4       | 9.8        | 1702     | 1.75      | 2.8        | 1.3        | 10.6       | 0.6        | 67.5       | 1.24        | 0.34        | 0.13        | 36       | 2.13      |
| 11TB0982A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |



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**Project:** Mariposa  
**Report Date:** November 22, 2011

**Page:** 9 of 10 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001345.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  |
| 11TB0953A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  |
| 11TB0954A | Soil                             | 9.2  | 12.8 | 0.53 | 265.6 | 0.014 | <1   | 1.30 | 0.009 | 0.04 | <0.1 | 1.9  | 0.09  | 0.04  | 26   | 0.3  | <0.02 |
| 11TB0955A | Soil                             | 5.1  | 12.3 | 0.15 | 71.9  | 0.054 | <1   | 0.77 | 0.008 | 0.04 | 0.1  | 1.2  | 0.04  | 0.02  | 37   | 0.3  | 0.03  |
| 11TB0956A | Soil                             | 2.9  | 8.6  | 0.20 | 82.2  | 0.022 | 1    | 0.69 | 0.015 | 0.05 | <0.1 | 0.6  | <0.02 | 0.05  | 79   | 0.7  | <0.02 |
| 11TB0957A | Soil                             | 3.4  | 10.4 | 0.30 | 85.7  | 0.040 | <1   | 0.95 | 0.014 | 0.05 | <0.1 | 0.8  | 0.03  | 0.04  | 43   | 0.3  | <0.02 |
| 11TB0958A | Soil                             | 8.5  | 12.6 | 0.12 | 188.1 | 0.010 | <1   | 1.15 | 0.014 | 0.03 | <0.1 | 0.4  | 0.04  | 0.06  | 54   | 0.3  | 0.03  |
| 11TB0959A | Soil                             | 5.3  | 13.4 | 0.32 | 148.3 | 0.029 | <1   | 1.14 | 0.010 | 0.05 | 0.1  | 2.0  | 0.03  | 0.05  | 58   | 0.4  | <0.02 |
| 11TB0960A | Soil                             | 6.1  | 12.3 | 0.33 | 335.5 | 0.027 | <1   | 1.16 | 0.012 | 0.05 | 0.1  | 1.9  | 0.03  | 0.07  | 54   | 0.4  | <0.02 |
| 11TB0961A | Soil                             | 6.2  | 13.0 | 0.39 | 320.2 | 0.028 | 2    | 1.25 | 0.012 | 0.05 | <0.1 | 2.0  | 0.04  | 0.07  | 63   | 0.4  | <0.02 |
| 11TB0962A | Soil                             | 6.4  | 7.2  | 0.19 | 370.4 | 0.014 | 4    | 0.53 | 0.019 | 0.04 | <0.1 | 1.1  | 0.05  | 0.09  | 63   | 0.5  | <0.02 |
| 11TB0963A | Soil                             | 20.2 | 20.7 | 0.48 | 255.4 | 0.052 | 2    | 1.43 | 0.021 | 0.05 | 0.2  | 3.7  | 0.07  | 0.06  | 66   | 0.3  | <0.02 |
| 11TB0964A | Soil                             | 2.6  | 9.0  | 0.49 | 541.3 | 0.065 | 3    | 1.15 | 0.017 | 0.15 | <0.1 | 1.6  | 0.06  | 0.08  | 93   | 0.3  | <0.02 |
| 11TB0965A | Soil                             | 6.3  | 19.0 | 0.30 | 255.7 | 0.043 | <1   | 1.19 | 0.011 | 0.05 | 0.1  | 1.6  | 0.07  | <0.02 | 33   | 0.1  | 0.03  |
| 11TB0966A | Soil                             | 6.9  | 23.4 | 0.38 | 386.8 | 0.045 | 1    | 1.44 | 0.011 | 0.08 | 0.1  | 1.9  | 0.08  | 0.03  | 40   | 0.1  | <0.02 |
| 11TB0967A | Soil                             | 6.1  | 17.3 | 0.47 | 168.9 | 0.079 | 1    | 1.55 | 0.016 | 0.09 | <0.1 | 2.4  | 0.07  | <0.02 | 45   | 0.2  | 0.02  |
| 11TB0968A | Soil                             | 6.5  | 21.4 | 0.42 | 320.2 | 0.061 | 2    | 1.40 | 0.014 | 0.18 | 0.1  | 2.2  | 0.07  | 0.02  | 34   | 0.2  | 0.03  |
| 11TB0969A | Soil                             | 5.1  | 11.7 | 0.22 | 278.6 | 0.027 | 1    | 0.75 | 0.018 | 0.08 | <0.1 | 1.2  | 0.05  | 0.06  | 99   | 0.3  | 0.04  |
| 11TB0970A | Soil                             | 8.9  | 20.9 | 0.63 | 272.1 | 0.075 | 2    | 1.60 | 0.017 | 0.10 | 0.1  | 3.3  | 0.07  | 0.05  | 62   | 0.4  | 0.03  |
| 11TB0971A | Soil                             | 5.1  | 11.5 | 0.18 | 134.3 | 0.044 | <1   | 0.70 | 0.012 | 0.08 | 0.1  | 1.1  | 0.06  | 0.03  | 47   | 0.2  | <0.02 |
| 11TB0972A | Soil                             | 5.4  | 14.5 | 0.24 | 208.9 | 0.027 | <1   | 1.14 | 0.013 | 0.05 | <0.1 | 0.6  | 0.06  | <0.02 | 31   | 0.1  | 0.03  |
| 11TB0973A | Soil                             | 4.6  | 16.4 | 0.42 | 212.8 | 0.072 | 1    | 1.45 | 0.017 | 0.14 | <0.1 | 1.9  | 0.07  | 0.03  | 56   | 0.3  | 0.03  |
| 11TB0974A | Soil                             | 6.4  | 17.4 | 0.32 | 218.9 | 0.066 | <1   | 1.39 | 0.015 | 0.08 | <0.1 | 1.9  | 0.07  | <0.02 | 41   | 0.2  | 0.02  |
| 11TB0975A | Soil                             | 11.1 | 18.8 | 0.32 | 299.9 | 0.056 | <1   | 1.57 | 0.016 | 0.17 | <0.1 | 2.3  | 0.05  | 0.04  | 60   | 0.2  | 0.03  |
| 11TB0976A | Soil                             | 6.6  | 12.6 | 0.30 | 259.2 | 0.041 | 2    | 1.01 | 0.014 | 0.07 | <0.1 | 2.1  | 0.05  | 0.10  | 102  | 0.4  | <0.02 |
| 11TB0977A | Soil                             | 10.7 | 18.2 | 0.62 | 272.5 | 0.015 | <1   | 1.60 | 0.009 | 0.05 | <0.1 | 2.4  | 0.13  | 0.03  | 44   | 0.2  | <0.02 |
| 11TB0978A | Soil                             | 4.6  | 10.5 | 0.07 | 92.2  | 0.029 | <1   | 0.49 | 0.012 | 0.04 | <0.1 | 0.7  | 0.05  | 0.04  | 61   | 0.2  | 0.03  |
| 11TB0979A | Soil                             | 9.0  | 17.8 | 0.57 | 379.3 | 0.058 | 2    | 1.29 | 0.018 | 0.06 | 0.1  | 3.2  | 0.08  | 0.11  | 66   | 0.5  | 0.05  |
| 11TB0980A | Soil                             | 11.6 | 23.6 | 0.76 | 360.2 | 0.081 | 2    | 1.72 | 0.018 | 0.07 | 0.1  | 4.4  | 0.10  | 0.10  | 65   | 0.6  | 0.04  |
| 11TB0981A | Soil                             | 9.6  | 15.9 | 0.40 | 487.3 | 0.029 | 2    | 1.00 | 0.017 | 0.05 | <0.1 | 2.4  | 0.09  | 0.18  | 89   | 0.7  | 0.05  |
| 11TB0982A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  |



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Project: Mariposa  
Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|------------|----------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|            |                                  | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    | Ca   |
|            |                                  | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | %    |
|            |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11TB0983A  | Soil                             | 1.75 | 24.29 | 11.75 | 88.0  | 132  | 13.7 | 8.3  | 470  | 1.90 | 2.8  | 0.5  | 7.5  | 1.6  | 48.4 | 0.20 | 0.23 | 0.14 | 42   | 1.32 |
| 11TB0984A  | Soil                             | 1.54 | 19.76 | 10.70 | 87.2  | 131  | 13.6 | 13.4 | 1176 | 2.19 | 2.9  | 0.7  | 8.4  | 2.3  | 45.4 | 0.31 | 0.21 | 0.14 | 45   | 1.24 |
| 11TB0985A  | Soil                             | 4.75 | 26.58 | 11.74 | 66.7  | 370  | 13.9 | 14.3 | 1146 | 2.44 | 3.9  | 2.3  | 11.1 | 3.0  | 34.2 | 0.26 | 0.23 | 0.22 | 46   | 0.61 |
| 11TB0986A  | Soil                             | 2.04 | 24.92 | 5.97  | 31.2  | 674  | 7.5  | 2.8  | 336  | 0.93 | 1.2  | 1.4  | 2.4  | 0.6  | 55.7 | 0.63 | 0.22 | 0.14 | 20   | 1.05 |
| 11TB0987A  | Soil                             | 4.14 | 32.24 | 9.51  | 72.6  | 1170 | 10.6 | 4.5  | 318  | 1.73 | 7.5  | 2.7  | 4.0  | 0.7  | 35.0 | 0.66 | 0.37 | 0.38 | 27   | 0.54 |
| 11TB0988A  | Soil                             | 1.38 | 23.07 | 7.13  | 56.2  | 536  | 10.2 | 6.1  | 181  | 1.52 | 2.0  | 2.8  | 22.1 | 1.5  | 71.3 | 0.69 | 0.27 | 0.20 | 20   | 1.45 |
| 11CB0910A  | Soil                             | 0.72 | 15.89 | 5.63  | 132.3 | 777  | 10.8 | 10.3 | 3819 | 1.16 | 1.2  | 0.3  | 0.6  | <0.1 | 95.2 | 1.02 | 0.18 | 0.07 | 22   | 1.18 |
| 11CB0911A  | Soil                             | 0.75 | 12.46 | 4.69  | 113.1 | 1636 | 9.0  | 9.6  | 4063 | 1.04 | 1.1  | 0.2  | <0.2 | <0.1 | 96.7 | 0.94 | 0.17 | 0.07 | 21   | 1.14 |
| 11CB0752A  | Soil                             | 0.93 | 19.88 | 4.43  | 25.1  | 309  | 8.3  | 2.3  | 80   | 0.76 | 1.1  | 2.0  | <0.2 | 0.1  | 36.2 | 0.42 | 0.18 | 0.07 | 13   | 0.36 |
| 11DS0952.2 | Soil                             | 1.28 | 20.25 | 7.99  | 31.6  | 1154 | 9.8  | 5.3  | 186  | 0.79 | 1.0  | 1.4  | 0.5  | <0.1 | 32.7 | 1.82 | 0.16 | 0.07 | 11   | 0.31 |



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**Project:** Mariposa  
**Report Date:** November 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001345.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|------------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|            |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|            |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|            |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11TB0983A  | Soil                             | 9.1  | 20.3 | 0.48 | 282.7 | 0.060 | 3    | 1.14 | 0.021 | 0.06 | 0.1  | 3.0  | 0.10 | 0.09 | 44   | 0.3  | 0.07  |
| 11TB0984A  | Soil                             | 11.6 | 21.2 | 0.61 | 312.1 | 0.057 | 1    | 1.35 | 0.019 | 0.07 | 0.1  | 3.1  | 0.09 | 0.07 | 47   | 0.3  | 0.04  |
| 11TB0985A  | Soil                             | 29.3 | 23.9 | 0.42 | 414.9 | 0.051 | 1    | 1.64 | 0.012 | 0.11 | 0.1  | 4.1  | 0.14 | 0.05 | 62   | 0.3  | 0.05  |
| 11TB0986A  | Soil                             | 21.0 | 10.8 | 0.17 | 439.2 | 0.027 | 2    | 0.76 | 0.017 | 0.07 | <0.1 | 1.8  | 0.09 | 0.08 | 87   | 0.2  | 0.04  |
| 11TB0987A  | Soil                             | 51.5 | 13.8 | 0.22 | 422.8 | 0.024 | 1    | 1.33 | 0.012 | 0.11 | 0.1  | 2.4  | 0.09 | 0.08 | 115  | 0.3  | 0.04  |
| 11TB0988A  | Soil                             | 48.7 | 11.1 | 0.28 | 426.0 | 0.024 | 1    | 1.03 | 0.013 | 0.06 | 0.1  | 2.8  | 0.07 | 0.09 | 79   | <0.1 | <0.02 |
| 11CB0910A  | Soil                             | 4.0  | 7.9  | 0.27 | 612.0 | 0.030 | 2    | 0.67 | 0.018 | 0.11 | <0.1 | 1.1  | 0.06 | 0.08 | 136  | 0.2  | 0.05  |
| 11CB0911A  | Soil                             | 3.7  | 6.7  | 0.25 | 610.0 | 0.032 | 2    | 0.61 | 0.017 | 0.13 | <0.1 | 1.3  | 0.05 | 0.08 | 136  | 0.5  | 0.03  |
| 11CB0752A  | Soil                             | 38.7 | 9.0  | 0.08 | 280.9 | 0.013 | <1   | 0.47 | 0.017 | 0.05 | <0.1 | 0.8  | 0.04 | 0.09 | 108  | 0.4  | 0.04  |
| 11DS0952.2 | Soil                             | 19.7 | 6.5  | 0.08 | 386.4 | 0.015 | 1    | 0.48 | 0.016 | 0.06 | <0.1 | 1.3  | 0.05 | 0.10 | 157  | 0.6  | 0.03  |



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## QUALITY CONTROL REPORT

WHI11001345.1

| Method<br>Analyte<br>Unit<br>MDL |          | 1F15  | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------------------------|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|------|-------|------|------|------|------|------|
|                                  |          | Mo    | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au    | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|                                  |          | ppm   | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|                                  |          | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2   | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| Pulp Duplicates                  |          |       |       |       |       |      |      |      |      |      |      |      |       |      |       |      |      |      |      |      |
| 11CB0917A                        | Soil     | 0.83  | 21.87 | 6.90  | 26.6  | 600  | 13.3 | 4.5  | 151  | 1.69 | 2.4  | 0.9  | 2.4   | 0.5  | 44.2  | 0.34 | 0.24 | 0.12 | 36   | 0.22 |
| REP 11CB0917A                    | QC       | 0.80  | 22.05 | 6.56  | 26.6  | 584  | 13.1 | 4.5  | 144  | 1.63 | 2.5  | 0.9  | 1.1   | 0.5  | 44.7  | 0.36 | 0.22 | 0.11 | 36   | 0.22 |
| 11CB0938A                        | Soil     | 1.30  | 28.10 | 10.85 | 30.1  | 552  | 7.0  | 2.2  | 224  | 1.26 | 2.1  | 0.5  | 2.4   | 0.4  | 30.2  | 0.95 | 0.13 | 0.22 | 26   | 0.33 |
| REP 11CB0938A                    | QC       | 1.28  | 27.63 | 9.95  | 27.4  | 537  | 7.2  | 2.4  | 215  | 1.24 | 1.6  | 0.5  | 3.8   | 0.4  | 28.4  | 0.88 | 0.13 | 0.21 | 25   | 0.31 |
| 11CB0959A                        | Soil     | 1.33  | 28.15 | 8.73  | 40.6  | 292  | 15.4 | 11.8 | 431  | 2.14 | 4.1  | 1.3  | 4.2   | 0.2  | 40.5  | 0.33 | 0.31 | 0.13 | 38   | 0.43 |
| REP 11CB0959A                    | QC       | 1.40  | 27.80 | 8.66  | 40.0  | 289  | 15.6 | 11.8 | 429  | 2.13 | 4.2  | 1.3  | 2.3   | 0.2  | 40.1  | 0.34 | 0.30 | 0.14 | 38   | 0.42 |
| 11AN0212A                        | Soil     | 0.64  | 17.66 | 6.01  | 42.0  | 318  | 10.1 | 4.4  | 133  | 1.86 | 2.7  | 1.0  | 1.1   | 0.3  | 41.0  | 0.25 | 0.22 | 0.13 | 37   | 0.55 |
| REP 11AN0212A                    | QC       | 0.60  | 17.29 | 7.25  | 41.6  | 319  | 10.2 | 4.3  | 132  | 1.86 | 2.5  | 1.0  | 2.0   | 0.2  | 41.3  | 0.35 | 0.23 | 0.13 | 37   | 0.56 |
| 11AN0229A                        | Soil     | 1.20  | 28.74 | 23.82 | 47.8  | 636  | 14.0 | 7.0  | 203  | 2.97 | 4.1  | 0.9  | 3.2   | 1.7  | 14.0  | 0.39 | 0.23 | 0.21 | 67   | 0.12 |
| REP 11AN0229A                    | QC       | 1.26  | 29.01 | 23.67 | 49.2  | 630  | 14.1 | 6.7  | 194  | 2.93 | 4.1  | 0.9  | 1.4   | 1.7  | 14.5  | 0.39 | 0.25 | 0.18 | 64   | 0.13 |
| 11AN0249A                        | Soil     | 0.57  | 22.41 | 8.53  | 34.6  | 225  | 9.8  | 3.5  | 104  | 1.50 | 3.1  | 0.4  | 1.3   | 0.4  | 13.3  | 0.32 | 0.20 | 0.15 | 34   | 0.11 |
| REP 11AN0249A                    | QC       | 0.55  | 22.68 | 8.55  | 34.7  | 227  | 9.8  | 3.5  | 103  | 1.51 | 3.2  | 0.4  | 2.2   | 0.4  | 13.1  | 0.33 | 0.20 | 0.14 | 34   | 0.12 |
| 11DS0934A                        | Soil     | 0.77  | 11.00 | 5.03  | 72.8  | 271  | 9.4  | 9.1  | 2176 | 1.22 | 1.6  | 0.1  | 4.0   | 0.1  | 142.8 | 0.62 | 0.22 | 0.08 | 26   | 1.32 |
| REP 11DS0934A                    | QC       | 0.85  | 11.08 | 5.19  | 73.5  | 264  | 9.8  | 9.4  | 2145 | 1.20 | 1.8  | 0.1  | 2.0   | <0.1 | 142.7 | 0.56 | 0.24 | 0.08 | 25   | 1.31 |
| 11DS0955A                        | Soil     | 0.71  | 24.05 | 4.65  | 17.0  | 341  | 5.6  | 1.4  | 67   | 0.62 | 0.9  | 0.3  | 2.2   | <0.1 | 14.6  | 0.64 | 0.13 | 0.12 | 16   | 0.09 |
| REP 11DS0955A                    | QC       | 0.73  | 24.85 | 4.71  | 15.8  | 341  | 5.5  | 1.4  | 72   | 0.30 | 1.1  | 0.3  | 1.0   | <0.1 | 15.6  | 0.61 | 0.15 | 0.12 | 8    | 0.09 |
| 11DS0960A                        | Soil     | 0.90  | 23.05 | 10.31 | 51.3  | 342  | 11.8 | 5.3  | 144  | 2.19 | 3.7  | 2.0  | 4.8   | 1.0  | 27.8  | 0.34 | 0.42 | 0.19 | 25   | 0.31 |
| REP 11DS0960A                    | QC       | 0.85  | 22.21 | 9.96  | 49.4  | 335  | 11.0 | 5.1  | 136  | 2.03 | 3.4  | 1.8  | 3.0   | 1.0  | 25.0  | 0.31 | 0.32 | 0.16 | 20   | 0.30 |
| 11DS0984A                        | Soil     | 0.97  | 18.31 | 7.94  | 57.2  | 70   | 15.1 | 7.7  | 498  | 1.49 | 3.6  | 0.4  | 1.0   | 0.6  | 65.9  | 0.48 | 0.44 | 0.09 | 32   | 1.22 |
| REP 11DS0984A                    | QC       | 0.93  | 17.94 | 6.88  | 57.4  | 65   | 14.3 | 7.6  | 494  | 1.46 | 3.3  | 0.4  | 1.1   | 0.6  | 61.4  | 0.47 | 0.45 | 0.09 | 31   | 1.19 |
| 11DS1003A                        | Soil     | 1.06  | 25.98 | 6.03  | 41.2  | 643  | 12.2 | 11.7 | 1979 | 1.22 | 1.1  | 0.5  | 0.6   | 0.2  | 49.5  | 1.30 | 0.18 | 0.08 | 20   | 0.81 |
| REP 11DS1003A                    | QC       | 1.00  | 24.98 | 6.46  | 40.3  | 636  | 12.7 | 10.3 | 1963 | 1.22 | 1.5  | 0.5  | 1.3   | 0.2  | 45.6  | 1.41 | 0.25 | 0.08 | 21   | 0.78 |
| 11TB0972A                        | Soil     | 0.55  | 8.72  | 6.21  | 26.6  | 117  | 7.6  | 3.5  | 109  | 1.36 | 2.5  | 0.3  | 2.2   | <0.1 | 29.3  | 0.22 | 0.16 | 0.10 | 37   | 0.19 |
| REP 11TB0972A                    | QC       | 0.57  | 8.78  | 6.26  | 26.4  | 115  | 7.8  | 3.5  | 112  | 1.41 | 2.6  | 0.3  | 0.2   | <0.1 | 29.2  | 0.21 | 0.16 | 0.11 | 36   | 0.19 |
| Reference Materials              |          |       |       |       |       |      |      |      |      |      |      |      |       |      |       |      |      |      |      |      |
| STD DS8                          | Standard | 13.48 | 103.3 | 120.0 | 288.1 | 1741 | 35.9 | 7.1  | 596  | 2.39 | 22.5 | 2.7  | 103.3 | 6.9  | 64.2  | 2.13 | 5.01 | 5.65 | 40   | 0.73 |
| STD DS8                          | Standard | 11.74 | 97.24 | 108.5 | 276.9 | 1563 | 33.2 | 6.3  | 554  | 2.16 | 22.3 | 2.4  | 102.7 | 5.9  | 59.4  | 1.92 | 4.85 | 5.76 | 36   | 0.65 |
| STD DS8                          | Standard | 13.78 | 111.8 | 121.7 | 315.3 | 1745 | 37.8 | 7.5  | 599  | 2.46 | 24.2 | 2.7  | 101.8 | 6.9  | 71.8  | 2.18 | 5.51 | 6.44 | 40   | 0.72 |



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## QUALITY CONTROL REPORT

WHI11001345.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 |
|---------------------|----------------------------------|------|-------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|------|
|                     |                                  | La   | Cr    | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Tl   | S     | Hg   | Se   | Te    | Ga   |
|                     |                                  | ppm  | ppm   | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   | ppm  |
|                     |                                  | 0.5  | 0.5   | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  | 0.1  |
| Pulp Duplicates     |                                  |      |       |      |       |       |      |      |       |      |      |      |      |       |      |      |       |      |
| 11CB0917A           | Soil                             | 9.0  | 14.1  | 0.24 | 295.7 | 0.061 | 2    | 1.08 | 0.017 | 0.08 | <0.1 | 2.0  | 0.06 | 0.04  | 65   | 0.2  | 0.04  | 5.0  |
| REP 11CB0917A       | QC                               | 8.9  | 13.4  | 0.24 | 288.5 | 0.059 | 1    | 1.00 | 0.017 | 0.07 | <0.1 | 1.9  | 0.05 | 0.04  | 69   | 0.2  | 0.02  | 4.8  |
| 11CB0938A           | Soil                             | 8.2  | 14.9  | 0.12 | 207.2 | 0.034 | 1    | 1.03 | 0.021 | 0.12 | <0.1 | 2.1  | 0.08 | <0.02 | 10   | 0.2  | 0.04  | 5.1  |
| REP 11CB0938A       | QC                               | 7.7  | 15.0  | 0.11 | 200.9 | 0.031 | <1   | 1.01 | 0.021 | 0.12 | <0.1 | 2.0  | 0.07 | <0.02 | 15   | 0.2  | 0.02  | 4.8  |
| 11CB0959A           | Soil                             | 14.8 | 18.3  | 0.25 | 287.5 | 0.014 | 2    | 1.11 | 0.012 | 0.04 | <0.1 | 1.4  | 0.05 | 0.09  | 84   | 0.3  | <0.02 | 3.6  |
| REP 11CB0959A       | QC                               | 15.0 | 18.9  | 0.25 | 289.8 | 0.016 | 1    | 1.13 | 0.013 | 0.04 | <0.1 | 1.3  | 0.06 | 0.09  | 78   | 0.4  | <0.02 | 3.6  |
| 11AN0212A           | Soil                             | 11.3 | 18.3  | 0.26 | 285.4 | 0.025 | 1    | 1.83 | 0.011 | 0.04 | <0.1 | 3.3  | 0.06 | 0.06  | 83   | 0.2  | 0.02  | 6.7  |
| REP 11AN0212A       | QC                               | 11.2 | 17.7  | 0.26 | 280.3 | 0.026 | 2    | 1.85 | 0.012 | 0.04 | <0.1 | 3.4  | 0.07 | 0.06  | 77   | 0.2  | <0.02 | 6.8  |
| 11AN0229A           | Soil                             | 12.8 | 31.6  | 0.37 | 159.0 | 0.086 | 1    | 1.83 | 0.015 | 0.08 | 0.1  | 3.1  | 0.11 | 0.03  | 42   | 0.3  | 0.03  | 7.5  |
| REP 11AN0229A       | QC                               | 12.7 | 31.8  | 0.36 | 155.8 | 0.090 | 1    | 1.78 | 0.015 | 0.08 | 0.1  | 3.1  | 0.11 | 0.03  | 32   | 0.3  | 0.04  | 7.6  |
| 11AN0249A           | Soil                             | 9.3  | 18.0  | 0.24 | 123.7 | 0.038 | <1   | 1.08 | 0.012 | 0.06 | <0.1 | 1.2  | 0.09 | <0.02 | 43   | 0.2  | <0.02 | 4.6  |
| REP 11AN0249A       | QC                               | 9.3  | 17.8  | 0.24 | 124.0 | 0.036 | <1   | 1.10 | 0.013 | 0.06 | <0.1 | 1.2  | 0.09 | <0.02 | 27   | <0.1 | 0.03  | 4.6  |
| 11DS0934A           | Soil                             | 2.9  | 12.8  | 0.33 | 730.6 | 0.031 | 4    | 0.68 | 0.012 | 0.12 | 0.2  | 0.8  | 0.05 | 0.07  | 87   | 0.2  | <0.02 | 2.5  |
| REP 11DS0934A       | QC                               | 3.0  | 12.4  | 0.33 | 725.9 | 0.031 | 4    | 0.68 | 0.012 | 0.12 | <0.1 | 0.8  | 0.05 | 0.07  | 81   | 0.2  | <0.02 | 2.5  |
| 11DS0955A           | Soil                             | 3.6  | 9.8   | 0.05 | 106.6 | 0.002 | 1    | 0.45 | 0.016 | 0.05 | <0.1 | 0.2  | 0.03 | 0.04  | 70   | <0.1 | 0.02  | 1.8  |
| REP 11DS0955A       | QC                               | 4.0  | 10.7  | 0.05 | 110.9 | 0.004 | 1    | 0.49 | 0.008 | 0.02 | <0.1 | 0.4  | 0.05 | <0.02 | 64   | 0.1  | 0.02  | 1.9  |
| 11DS0960A           | Soil                             | 23.5 | 18.4  | 0.27 | 233.5 | 0.038 | 2    | 1.25 | 0.013 | 0.05 | 0.1  | 2.9  | 0.09 | 0.07  | 76   | 0.2  | 0.05  | 3.8  |
| REP 11DS0960A       | QC                               | 22.7 | 17.5  | 0.27 | 215.8 | 0.036 | 2    | 1.21 | 0.013 | 0.04 | 0.1  | 2.7  | 0.08 | 0.07  | 76   | 0.4  | 0.05  | 3.6  |
| 11DS0984A           | Soil                             | 6.5  | 18.8  | 0.35 | 257.7 | 0.044 | 3    | 0.86 | 0.019 | 0.05 | 0.2  | 2.2  | 0.04 | 0.08  | 55   | 0.5  | 0.04  | 3.0  |
| REP 11DS0984A       | QC                               | 6.5  | 18.3  | 0.34 | 248.0 | 0.044 | 3    | 0.84 | 0.019 | 0.05 | 0.1  | 2.2  | 0.04 | 0.08  | 65   | 0.3  | 0.03  | 2.9  |
| 11DS1003A           | Soil                             | 8.0  | 9.2   | 0.24 | 620.9 | 0.039 | 2    | 0.60 | 0.014 | 0.15 | <0.1 | 1.5  | 0.05 | 0.04  | 100  | 0.3  | <0.02 | 2.2  |
| REP 11DS1003A       | QC                               | 7.9  | 8.6   | 0.23 | 624.9 | 0.039 | 2    | 0.62 | 0.015 | 0.15 | <0.1 | 1.6  | 0.06 | 0.04  | 89   | 0.6  | 0.06  | 2.5  |
| 11TB0972A           | Soil                             | 5.4  | 14.5  | 0.24 | 208.9 | 0.027 | <1   | 1.14 | 0.013 | 0.05 | <0.1 | 0.6  | 0.06 | <0.02 | 31   | 0.1  | 0.03  | 5.2  |
| REP 11TB0972A       | QC                               | 5.4  | 14.4  | 0.24 | 221.6 | 0.025 | <1   | 1.09 | 0.012 | 0.05 | <0.1 | 0.7  | 0.05 | <0.02 | 42   | 0.2  | 0.03  | 5.3  |
| Reference Materials |                                  |      |       |      |       |       |      |      |       |      |      |      |      |       |      |      |       |      |
| STD DS8             | Standard                         | 16.4 | 118.3 | 0.61 | 267.0 | 0.112 | 2    | 1.00 | 0.115 | 0.44 | 2.8  | 2.3  | 5.37 | 0.16  | 189  | 5.3  | 5.12  | 5.0  |
| STD DS8             | Standard                         | 13.1 | 105.4 | 0.55 | 231.9 | 0.098 | 3    | 0.92 | 0.104 | 0.41 | 2.6  | 2.1  | 4.79 | 0.15  | 159  | 5.3  | 4.53  | 4.5  |
| STD DS8             | Standard                         | 16.9 | 118.3 | 0.61 | 266.3 | 0.120 | 3    | 0.95 | 0.092 | 0.41 | 2.8  | 2.3  | 5.50 | 0.15  | 213  | 4.7  | 5.14  | 4.3  |





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Project: Mariposa

Report Date: November 22, 2011

Page: 2 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001345.1

|                  |          | 1F15<br>Mo<br>ppm<br>0.01 | 1F15<br>Cu<br>ppm<br>0.01 | 1F15<br>Pb<br>ppm<br>0.01 | 1F15<br>Zn<br>ppm<br>0.1 | 1F15<br>Ag<br>ppb<br>2 | 1F15<br>Ni<br>ppm<br>0.1 | 1F15<br>Co<br>ppm<br>0.1 | 1F15<br>Mn<br>ppm<br>1 | 1F15<br>Fe<br>%<br>0.01 | 1F15<br>As<br>ppm<br>0.1 | 1F15<br>U<br>ppm<br>0.1 | 1F15<br>Au<br>ppb<br>0.2 | 1F15<br>Th<br>ppm<br>0.1 | 1F15<br>Sr<br>ppm<br>0.5 | 1F15<br>Cd<br>ppm<br>0.01 | 1F15<br>Sb<br>ppm<br>0.02 | 1F15<br>Bi<br>ppm<br>0.02 | 1F15<br>V<br>ppm<br>2 | 1F15<br>Ca<br>%<br>0.01 | 1F15<br>P<br>%<br>0.001 |
|------------------|----------|---------------------------|---------------------------|---------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-------------------------|
| STD DS8          | Standard | 13.12                     | 104.3                     | 123.3                     | 308.7                    | 1772                   | 37.9                     | 7.4                      | 614                    | 2.41                    | 24.0                     | 2.7                     | 135.3                    | 6.9                      | 63.8                     | 2.15                      | 5.13                      | 5.88                      | 41                    | 0.71                    | 0.079                   |
| STD DS8          | Standard | 13.19                     | 103.1                     | 112.9                     | 288.0                    | 1581                   | 36.5                     | 7.3                      | 568                    | 2.25                    | 22.4                     | 2.8                     | 96.1                     | 7.0                      | 63.8                     | 2.14                      | 5.76                      | 6.45                      | 30                    | 0.67                    | 0.074                   |
| STD DS8          | Standard | 12.51                     | 104.5                     | 119.9                     | 300.4                    | 1750                   | 36.4                     | 7.1                      | 584                    | 2.41                    | 23.5                     | 2.7                     | 112.3                    | 6.7                      | 62.1                     | 2.28                      | 5.07                      | 6.12                      | 43                    | 0.70                    | 0.080                   |
| STD DS8          | Standard | 13.48                     | 108.8                     | 126.6                     | 320.8                    | 1859                   | 39.1                     | 7.6                      | 636                    | 2.47                    | 24.4                     | 2.7                     | 126.2                    | 6.7                      | 64.9                     | 2.33                      | 5.33                      | 6.17                      | 40                    | 0.72                    | 0.080                   |
| STD DS8          | Standard | 13.38                     | 112.6                     | 113.4                     | 298.1                    | 1705                   | 39.4                     | 7.6                      | 567                    | 2.32                    | 22.8                     | 2.9                     | 117.7                    | 7.3                      | 68.1                     | 2.34                      | 5.78                      | 7.08                      | 38                    | 0.70                    | 0.069                   |
| STD DS8          | Standard | 13.29                     | 107.6                     | 129.0                     | 306.7                    | 1898                   | 36.1                     | 7.2                      | 585                    | 2.49                    | 23.4                     | 2.9                     | 115.5                    | 7.3                      | 66.4                     | 2.20                      | 5.17                      | 6.01                      | 40                    | 0.71                    | 0.075                   |
| STD DS8          | Standard | 14.78                     | 117.2                     | 112.7                     | 291.4                    | 1628                   | 38.9                     | 7.5                      | 604                    | 2.49                    | 23.3                     | 2.8                     | 118.5                    | 7.5                      | 73.1                     | 2.31                      | 5.87                      | 6.65                      | 43                    | 0.76                    | 0.072                   |
| STD DS8 Expected |          | 13.44                     | 110                       | 123                       | 312                      | 1690                   | 38.1                     | 7.5                      | 615                    | 2.46                    | 26                       | 2.8                     | 107                      | 6.89                     | 67.7                     | 2.38                      | 5.7                       | 6.67                      | 41.1                  | 0.7                     | 0.08                    |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |
| BLK              | Blank    | <0.01                     | <0.01                     | <0.01                     | <0.1                     | <2                     | <0.1                     | <0.1                     | <1                     | <0.01                   | <0.1                     | <0.1                    | <0.2                     | <0.1                     | <0.5                     | <0.01                     | <0.02                     | <0.02                     | <2                    | <0.01                   | <0.001                  |



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Project: Mariposa

Report Date: November 22, 2011

Page: 2 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11001345.1

|                  |          | 1F15<br>La<br>ppm<br>0.5 | 1F15<br>Cr<br>ppm<br>0.5 | 1F15<br>Mg<br>%<br>0.01 | 1F15<br>Ba<br>ppm<br>0.5 | 1F15<br>Ti<br>%<br>0.001 | 1F15<br>B<br>ppm<br>1 | 1F15<br>Al<br>%<br>0.01 | 1F15<br>Na<br>%<br>0.001 | 1F15<br>K<br>%<br>0.01 | 1F15<br>W<br>ppm<br>0.1 | 1F15<br>Sc<br>ppm<br>0.1 | 1F15<br>Ti<br>ppm<br>0.02 | 1F15<br>S<br>%<br>0.02 | 1F15<br>Hg<br>ppb<br>5 | 1F15<br>Se<br>ppm<br>0.1 | 1F15<br>Te<br>ppm<br>0.02 | 1F15<br>Ga<br>ppm<br>0.1 |
|------------------|----------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|
| STD DS8          | Standard | 16.3                     | 119.8                    | 0.60                    | 273.2                    | 0.112                    | 3                     | 0.92                    | 0.091                    | 0.41                   | 2.9                     | 2.2                      | 5.54                      | 0.16                   | 176                    | 5.0                      | 4.84                      | 4.8                      |
| STD DS8          | Standard | 16.0                     | 111.5                    | 0.56                    | 251.5                    | 0.124                    | 2                     | 0.86                    | 0.083                    | 0.37                   | 2.7                     | 2.4                      | 4.83                      | 0.14                   | 163                    | 4.7                      | 4.38                      | 4.1                      |
| STD DS8          | Standard | 15.0                     | 117.0                    | 0.59                    | 265.7                    | 0.113                    | 2                     | 0.91                    | 0.091                    | 0.41                   | 2.8                     | 2.2                      | 5.27                      | 0.15                   | 190                    | 4.9                      | 4.73                      | 4.6                      |
| STD DS8          | Standard | 15.5                     | 124.1                    | 0.62                    | 276.1                    | 0.112                    | 3                     | 0.93                    | 0.090                    | 0.43                   | 2.9                     | 2.2                      | 5.58                      | 0.15                   | 182                    | 4.9                      | 5.06                      | 5.0                      |
| STD DS8          | Standard | 17.1                     | 119.2                    | 0.59                    | 253.1                    | 0.131                    | 2                     | 0.89                    | 0.084                    | 0.39                   | 2.9                     | 2.3                      | 5.06                      | 0.16                   | 184                    | 4.9                      | 4.75                      | 4.4                      |
| STD DS8          | Standard | 16.8                     | 126.5                    | 0.61                    | 277.2                    | 0.115                    | 3                     | 0.91                    | 0.089                    | 0.42                   | 3.0                     | 2.3                      | 5.67                      | 0.16                   | 207                    | 5.1                      | 5.05                      | 4.6                      |
| STD DS8          | Standard | 20.0                     | 124.8                    | 0.62                    | 266.5                    | 0.124                    | 2                     | 0.94                    | 0.092                    | 0.43                   | 2.8                     | 2.5                      | 4.92                      | 0.16                   | 188                    | 4.5                      | 4.60                      | 4.4                      |
| STD DS8 Expected |          | 14.6                     | 115                      | 0.6045                  | 279                      | 0.113                    | 2.6                   | 0.93                    | 0.0883                   | 0.41                   | 3                       | 2.3                      | 5.4                       | 0.1679                 | 192                    | 5.23                     | 5                         | 4.7                      |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |
| BLK              | Blank    | <0.5                     | <0.5                     | <0.01                   | <0.5                     | <0.001                   | <1                    | <0.01                   | <0.001                   | <0.01                  | <0.1                    | <0.1                     | <0.02                     | <0.02                  | <5                     | <0.1                     | <0.02                     | <0.1                     |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 27, 2011

Report Date: October 27, 2011

Page: 1 of 13

## CERTIFICATE OF ANALYSIS

WHI11001348.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 11MPS-29  
P.O. Number  
Number of Samples: 340

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Katie Dodd

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 336               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 336               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 336               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 336               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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**Project:** None Given  
**Report Date:** October 27, 2011

**Page:** 2 of 13 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     |
|          |                                  | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     |
| 11CB1149 | Soil                             | 151.0  | 0.5   | 22.4  | 3.6   | 99    | <0.1  | 13.0  | 15.0  | 515   | 3.33  | 2.3   | 0.4   | 1.1   | 2.4   | 21    | <0.1  | 0.2   | 0.1   | 80    |
| 11CB1150 | Soil                             | 190.0  | 0.6   | 20.4  | 4.8   | 101   | <0.1  | 13.5  | 15.8  | 545   | 3.48  | 3.8   | 0.5   | 1.3   | 3.1   | 19    | <0.1  | 0.2   | 0.1   | 77    |
| 11CB1151 | Soil                             | 140.0  | 0.4   | 19.9  | 4.9   | 100   | <0.1  | 13.6  | 16.1  | 561   | 3.46  | 3.9   | 0.5   | 1.5   | 2.9   | 18    | 0.1   | 0.2   | <0.1  | 79    |
| 11CB1152 | Soil                             | 128.0  | 0.6   | 25.3  | 5.7   | 76    | <0.1  | 14.2  | 13.7  | 451   | 3.24  | 3.6   | 0.5   | 1.3   | 2.2   | 18    | <0.1  | 0.2   | 0.1   | 82    |
| 11CB1153 | Soil                             | 173.0  | 0.4   | 26.2  | 4.3   | 72    | <0.1  | 13.3  | 14.2  | 482   | 3.21  | 3.1   | 0.4   | 2.1   | 1.9   | 20    | <0.1  | 0.2   | <0.1  | 78    |
| 11CB1154 | Soil                             | 127.0  | 0.4   | 25.9  | 5.2   | 72    | <0.1  | 12.9  | 13.4  | 442   | 3.49  | 3.2   | 0.4   | 5.9   | 1.7   | 21    | <0.1  | 0.2   | <0.1  | 88    |
| 11CB1155 | Soil                             | 109.0  | 0.9   | 27.0  | 4.8   | 82    | 0.1   | 11.1  | 14.8  | 588   | 3.76  | 2.8   | 0.4   | 0.7   | 1.6   | 29    | 0.1   | 0.1   | <0.1  | 90    |
| 11CB1156 | Soil                             | 184.0  | 0.6   | 21.0  | 5.0   | 84    | <0.1  | 13.9  | 10.2  | 469   | 3.37  | 3.8   | 0.7   | 1.9   | 3.3   | 22    | 0.2   | 0.2   | <0.1  | 59    |
| 11CB1157 | Soil                             | 161.0  | 0.7   | 18.2  | 4.9   | 92    | 0.1   | 13.9  | 12.9  | 537   | 3.59  | 3.0   | 0.5   | 3.4   | 2.5   | 21    | <0.1  | 0.2   | <0.1  | 70    |
| 11CB1158 | Soil                             | 161.0  | 0.8   | 19.3  | 5.8   | 96    | 0.2   | 16.0  | 13.5  | 638   | 3.68  | 3.3   | 0.6   | 6.7   | 2.4   | 28    | 0.2   | 0.2   | 0.1   | 70    |
| 11CB1159 | Soil                             | 141.0  | 0.6   | 12.2  | 5.0   | 94    | <0.1  | 13.6  | 11.8  | 555   | 3.11  | 4.1   | 0.5   | 4.4   | 2.6   | 22    | <0.1  | 0.2   | <0.1  | 65    |
| 11CB1160 | Soil                             | 162.0  | 0.8   | 16.5  | 13.9  | 95    | 0.2   | 18.1  | 8.2   | 431   | 2.63  | 3.7   | 0.7   | 4.0   | 2.5   | 25    | 0.2   | 0.2   | 0.1   | 46    |
| 11CB1161 | Soil                             | 123.0  | 0.5   | 19.5  | 19.5  | 105   | 0.3   | 19.9  | 8.6   | 495   | 2.78  | 3.5   | 0.8   | 9.4   | 1.9   | 27    | 0.2   | 0.2   | 0.2   | 51    |
| 11CB1162 | Soil                             | 73.00  | 0.6   | 17.1  | 17.6  | 100   | 0.3   | 17.0  | 7.6   | 456   | 2.57  | 2.5   | 0.8   | 18.8  | 1.9   | 25    | 0.2   | 0.2   | 0.1   | 45    |
| 11CB1163 | Soil                             | 188.0  | 1.7   | 50.7  | 6.9   | 67    | 0.2   | 27.9  | 18.1  | 452   | 3.30  | 4.2   | 0.7   | 118.9 | 2.1   | 37    | 0.2   | 0.3   | <0.1  | 80    |
| 11CB1164 | Soil                             | 149.0  | 1.2   | 33.4  | 6.8   | 70    | 0.2   | 27.1  | 12.0  | 257   | 3.04  | 3.8   | 0.9   | 24.3  | 1.9   | 44    | 0.1   | 0.3   | <0.1  | 78    |
| 11CB1165 | Soil                             | 144.0  | 3.6   | 21.9  | 6.5   | 92    | 0.2   | 23.9  | 17.3  | 678   | 4.19  | 4.0   | 1.0   | 16.1  | 3.1   | 48    | <0.1  | 0.2   | <0.1  | 80    |
| 11CB1166 | Soil                             | 163.0  | 3.4   | 27.7  | 7.0   | 102   | 0.1   | 27.0  | 15.5  | 529   | 4.00  | 4.6   | 1.1   | 7.6   | 3.6   | 50    | 0.1   | 0.2   | 0.1   | 82    |
| 11CB1167 | Soil                             | 164.0  | 3.6   | 22.9  | 6.6   | 98    | 0.1   | 23.1  | 15.8  | 686   | 4.09  | 4.7   | 0.8   | 7.1   | 3.1   | 47    | <0.1  | 0.2   | <0.1  | 73    |
| 11CB1168 | Soil                             | 139.0  | 2.2   | 21.6  | 7.3   | 80    | 0.2   | 34.6  | 14.2  | 403   | 3.16  | 4.2   | 0.8   | 8.0   | 3.2   | 47    | 0.1   | 0.2   | <0.1  | 78    |
| 11CB1169 | Soil                             | 163.0  | 2.7   | 20.8  | 7.3   | 86    | 0.2   | 32.7  | 16.9  | 521   | 3.74  | 5.1   | 0.8   | 30.8  | 3.9   | 51    | 0.1   | 0.2   | <0.1  | 90    |
| 11CB1170 | Soil                             | 167.0  | 2.3   | 20.5  | 8.0   | 83    | 0.2   | 33.6  | 16.7  | 475   | 3.61  | 4.6   | 0.8   | 31.4  | 3.8   | 50    | 0.2   | 0.2   | 0.1   | 84    |
| 11CB1171 | Soil                             | 190.0  | 2.2   | 27.3  | 9.4   | 98    | 0.2   | 25.9  | 19.3  | 838   | 4.27  | 7.8   | 0.7   | 9.2   | 3.0   | 48    | <0.1  | 0.2   | <0.1  | 90    |
| 11CB1172 | Soil                             | 153.0  | 2.2   | 24.5  | 10.1  | 95    | 0.2   | 18.3  | 13.9  | 728   | 3.52  | 4.1   | 0.8   | 5.5   | 2.7   | 37    | 0.1   | 0.2   | <0.1  | 67    |
| 11CB1173 | Soil                             | 174.0  | 1.9   | 26.5  | 14.5  | 125   | 0.2   | 16.5  | 20.0  | 884   | 4.45  | 10.6  | 0.9   | 3.8   | 4.1   | 32    | 0.2   | 0.3   | 0.2   | 98    |
| 11CB1174 | Soil                             | 265.0  | 1.7   | 35.6  | 12.0  | 85    | 0.2   | 15.4  | 15.1  | 424   | 3.87  | 24.8  | 1.1   | 6.7   | 3.5   | 37    | 0.1   | 0.4   | 0.1   | 89    |
| 11CB1175 | Soil                             | 181.0  | 1.8   | 28.2  | 8.4   | 111   | 0.2   | 12.4  | 15.6  | 366   | 4.03  | 10.7  | 0.6   | 2.6   | 2.5   | 61    | 0.2   | 0.2   | <0.1  | 110   |
| 11CB1176 | Soil                             | 160.0  | 1.8   | 15.4  | 10.1  | 84    | 0.2   | 14.4  | 9.7   | 258   | 2.94  | 3.8   | 0.7   | 7.2   | 2.1   | 28    | <0.1  | 0.2   | 0.1   | 70    |
| 11CB1177 | Soil                             | 68.00  | 1.1   | 21.3  | 10.5  | 77    | 0.2   | 18.8  | 10.5  | 349   | 2.44  | 3.4   | 0.8   | 6.6   | 1.5   | 37    | 0.1   | 0.2   | <0.1  | 55    |
| 11CB1178 | Soil                             | 163.0  | 0.8   | 29.3  | 9.1   | 84    | 0.2   | 22.0  | 13.9  | 437   | 3.09  | 4.0   | 0.8   | 3.5   | 2.1   | 33    | 0.1   | 0.2   | <0.1  | 76    |



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Project: None Given  
Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB1149 | Soil                             | 0.121 | 11    | 23    | 1.47  | 372   | 0.167 | 1     | 2.10  | 0.017 | 0.44  | 0.1   | 0.01  | 5.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1150 | Soil                             | 0.103 | 13    | 23    | 1.39  | 315   | 0.158 | 1     | 2.21  | 0.014 | 0.35  | <0.1  | <0.01 | 7.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1151 | Soil                             | 0.096 | 12    | 23    | 1.33  | 294   | 0.160 | 1     | 2.15  | 0.013 | 0.36  | 0.1   | 0.02  | 7.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1152 | Soil                             | 0.069 | 9     | 26    | 1.04  | 257   | 0.175 | 2     | 2.00  | 0.015 | 0.22  | 0.1   | <0.01 | 4.4   | 0.1   | <0.05 | 8     | 0.6   | <0.2  |
| 11CB1153 | Soil                             | 0.097 | 8     | 23    | 1.02  | 303   | 0.160 | <1    | 1.88  | 0.016 | 0.27  | 0.2   | <0.01 | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1154 | Soil                             | 0.073 | 7     | 26    | 0.97  | 305   | 0.163 | <1    | 1.95  | 0.017 | 0.21  | 0.1   | <0.01 | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1155 | Soil                             | 0.100 | 7     | 24    | 1.19  | 327   | 0.211 | <1    | 2.21  | 0.017 | 0.41  | 0.2   | 0.01  | 3.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1156 | Soil                             | 0.079 | 17    | 25    | 0.85  | 273   | 0.151 | <1    | 1.83  | 0.016 | 0.29  | 0.2   | <0.01 | 4.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1157 | Soil                             | 0.080 | 10    | 28    | 1.03  | 273   | 0.188 | <1    | 2.06  | 0.013 | 0.39  | 0.2   | 0.02  | 4.0   | 0.2   | <0.05 | 7     | 0.7   | <0.2  |
| 11CB1158 | Soil                             | 0.077 | 12    | 24    | 0.99  | 423   | 0.157 | <1    | 2.28  | 0.014 | 0.30  | 0.2   | 0.03  | 5.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1159 | Soil                             | 0.079 | 10    | 22    | 1.00  | 271   | 0.157 | <1    | 1.86  | 0.014 | 0.27  | 0.2   | 0.02  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1160 | Soil                             | 0.069 | 17    | 34    | 0.62  | 403   | 0.094 | <1    | 1.68  | 0.015 | 0.13  | 0.1   | 0.03  | 5.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1161 | Soil                             | 0.082 | 19    | 41    | 0.70  | 493   | 0.090 | 1     | 1.96  | 0.014 | 0.15  | <0.1  | 0.05  | 6.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1162 | Soil                             | 0.080 | 18    | 34    | 0.61  | 441   | 0.089 | <1    | 1.67  | 0.012 | 0.16  | 0.1   | 0.05  | 5.9   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11CB1163 | Soil                             | 0.093 | 10    | 47    | 1.08  | 301   | 0.096 | <1    | 2.04  | 0.024 | 0.07  | 0.1   | 0.03  | 5.9   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11CB1164 | Soil                             | 0.100 | 11    | 49    | 0.95  | 321   | 0.090 | <1    | 1.85  | 0.020 | 0.07  | 0.1   | 0.04  | 5.3   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11CB1165 | Soil                             | 0.099 | 16    | 51    | 1.21  | 460   | 0.159 | <1    | 2.09  | 0.017 | 0.18  | 0.1   | 0.03  | 6.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1166 | Soil                             | 0.099 | 17    | 46    | 1.21  | 455   | 0.157 | <1    | 2.11  | 0.016 | 0.22  | 0.1   | 0.04  | 6.5   | 0.2   | <0.05 | 8     | 0.7   | <0.2  |
| 11CB1167 | Soil                             | 0.098 | 13    | 40    | 1.22  | 477   | 0.135 | <1    | 2.02  | 0.016 | 0.21  | 0.1   | 0.03  | 5.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1168 | Soil                             | 0.103 | 16    | 61    | 1.24  | 399   | 0.169 | <1    | 1.96  | 0.017 | 0.15  | 0.1   | 0.03  | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1169 | Soil                             | 0.125 | 18    | 59    | 1.30  | 397   | 0.183 | <1    | 2.09  | 0.016 | 0.19  | 0.2   | 0.03  | 5.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1170 | Soil                             | 0.126 | 17    | 61    | 1.34  | 400   | 0.176 | <1    | 2.16  | 0.015 | 0.18  | 0.1   | 0.01  | 4.7   | 0.2   | <0.05 | 8     | 0.7   | <0.2  |
| 11CB1171 | Soil                             | 0.095 | 12    | 40    | 1.29  | 468   | 0.210 | <1    | 2.32  | 0.016 | 0.29  | 0.2   | 0.02  | 4.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1172 | Soil                             | 0.088 | 12    | 34    | 1.09  | 450   | 0.165 | <1    | 2.03  | 0.012 | 0.23  | 0.2   | 0.03  | 4.4   | 0.3   | <0.05 | 7     | 1.0   | <0.2  |
| 11CB1173 | Soil                             | 0.097 | 18    | 35    | 1.34  | 433   | 0.203 | <1    | 2.50  | 0.014 | 0.34  | 0.2   | 0.02  | 6.3   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1174 | Soil                             | 0.058 | 15    | 31    | 0.97  | 379   | 0.154 | <1    | 2.26  | 0.014 | 0.19  | 0.1   | 0.02  | 5.5   | 0.2   | <0.05 | 7     | 0.8   | <0.2  |
| 11CB1175 | Soil                             | 0.080 | 9     | 27    | 1.35  | 357   | 0.221 | <1    | 2.76  | 0.024 | 0.58  | 0.1   | <0.01 | 5.9   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1176 | Soil                             | 0.059 | 9     | 27    | 0.84  | 182   | 0.142 | <1    | 1.89  | 0.014 | 0.07  | 0.1   | 0.04  | 4.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1177 | Soil                             | 0.061 | 9     | 30    | 0.68  | 312   | 0.104 | <1    | 1.72  | 0.017 | 0.05  | 0.2   | 0.04  | 3.7   | <0.1  | <0.05 | 6     | 0.8   | <0.2  |
| 11CB1178 | Soil                             | 0.061 | 11    | 35    | 0.99  | 290   | 0.158 | <1    | 2.14  | 0.018 | 0.16  | 0.2   | 0.03  | 4.2   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |



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Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | SS80             | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|
|          |                                  | -80 Wt<br>g<br>0 | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 |
| 11CB1179 | Soil                             | 65.00            | 1.1              | 39.5             | 11.3             | 74             | 0.4              | 26.1             | 12.0             | 335            | 3.01            | 5.4              | 0.8             | 5.0              | 1.3              | 33             | 0.2              | 0.3              | 0.2              | 76            | 0.63            |
| 11CB1180 | Soil                             | 144.0            | 1.1              | 21.4             | 6.5              | 77             | <0.1             | 15.8             | 10.8             | 425            | 3.07            | 5.6              | 0.6             | 3.1              | 3.0              | 17             | <0.1             | 0.3              | 0.1              | 72            | 0.26            |
| 11CB1181 | Soil                             | 133.0            | 1.1              | 21.5             | 6.4              | 81             | <0.1             | 15.2             | 10.3             | 416            | 3.07            | 5.7              | 0.5             | 3.1              | 2.9              | 17             | <0.1             | 0.2              | 0.1              | 73            | 0.25            |
| 11CB1182 | Soil                             | 95.00            | 0.8              | 16.5             | 6.2              | 79             | 0.2              | 14.2             | 8.6              | 366            | 2.69            | 5.0              | 0.8             | 2.5              | 1.6              | 21             | <0.1             | 0.3              | 0.1              | 58            | 0.28            |
| 11CB1183 | Soil                             | 182.0            | 0.6              | 14.2             | 6.6              | 87             | <0.1             | 16.2             | 13.3             | 566            | 3.02            | 5.7              | 0.7             | 5.7              | 3.3              | 19             | <0.1             | 0.3              | 0.1              | 72            | 0.35            |
| 11CB1184 | Soil                             | 118.0            | 0.8              | 16.4             | 7.3              | 87             | 0.2              | 17.6             | 10.6             | 471            | 2.91            | 5.8              | 1.0             | 4.5              | 2.7              | 20             | <0.1             | 0.2              | 0.1              | 58            | 0.26            |
| 11CB1185 | Soil                             | 143.0            | 0.6              | 13.8             | 6.4              | 90             | <0.1             | 16.5             | 10.9             | 544            | 2.96            | 5.4              | 0.7             | 2.1              | 2.7              | 21             | 0.3              | 0.3              | 0.2              | 56            | 0.30            |
| 11CB1186 | Soil                             | 118.0            | 0.3              | 10.3             | 4.2              | 89             | <0.1             | 11.4             | 9.8              | 628            | 2.07            | 2.8              | 0.9             | <0.5             | 1.9              | 20             | 0.1              | 0.2              | 0.1              | 38            | 0.28            |
| 11CB1187 | Soil                             | 133.0            | 0.6              | 12.6             | 4.9              | 79             | <0.1             | 13.3             | 9.2              | 485            | 2.66            | 4.5              | 0.8             | 1.1              | 2.9              | 16             | 0.1              | 0.3              | 0.1              | 48            | 0.23            |
| 11CB1188 | Soil                             | 114.0            | 0.9              | 14.9             | 6.1              | 82             | <0.1             | 11.7             | 8.5              | 440            | 2.92            | 4.9              | 0.6             | 1.1              | 1.8              | 15             | 0.2              | 0.3              | 0.1              | 63            | 0.16            |
| 11CB1189 | Soil                             | 120.0            | 0.8              | 24.2             | 6.1              | 75             | <0.1             | 13.1             | 8.7              | 387            | 3.08            | 4.6              | 0.6             | 1.7              | 2.2              | 11             | 0.2              | 0.3              | 0.2              | 68            | 0.13            |
| 11CB1190 | Soil                             | 114.0            | 0.8              | 18.1             | 6.6              | 93             | <0.1             | 15.9             | 12.4             | 835            | 3.61            | 5.9              | 0.6             | 1.2              | 2.9              | 17             | 0.2              | 0.3              | 0.1              | 77            | 0.21            |
| 11CB1191 | Soil                             | 170.0            | 0.7              | 17.2             | 4.6              | 98             | <0.1             | 10.7             | 13.6             | 684            | 4.11            | 3.6              | 0.4             | 1.6              | 2.0              | 14             | <0.1             | 0.2              | <0.1             | 116           | 0.18            |
| 11CB1192 | Soil                             | 81.00            | 0.6              | 17.8             | 6.8              | 49             | <0.1             | 8.4              | 4.2              | 190            | 1.88            | 4.8              | 0.5             | 4.8              | 1.6              | 14             | 0.2              | 0.2              | 0.2              | 55            | 0.13            |
| 11CB1193 | Soil                             | 126.0            | 0.9              | 11.4             | 7.6              | 45             | <0.1             | 8.0              | 4.2              | 270            | 2.46            | 5.7              | 0.4             | 2.0              | 1.6              | 12             | 0.1              | 0.3              | 0.2              | 63            | 0.12            |
| 11CB1194 | Soil                             | 180.0            | 1.0              | 20.9             | 7.9              | 63             | <0.1             | 13.7             | 9.2              | 543            | 3.08            | 6.1              | 0.8             | 2.5              | 2.3              | 22             | 0.2              | 0.3              | 0.2              | 68            | 0.26            |
| 11CB1195 | Soil                             | 108.0            | 0.5              | 16.2             | 6.0              | 73             | 0.2              | 12.9             | 7.9              | 383            | 2.55            | 4.7              | 0.5             | <0.5             | 2.0              | 17             | 0.2              | 0.2              | 0.1              | 56            | 0.21            |
| 11CB1196 | Soil                             | 245.0            | 0.8              | 22.5             | 6.6              | 72             | <0.1             | 19.8             | 11.8             | 475            | 3.55            | 7.5              | 0.6             | 1.3              | 3.8              | 18             | 0.1              | 0.4              | 0.1              | 73            | 0.24            |
| 11CB1197 | Soil                             | 148.0            | 0.7              | 15.9             | 6.9              | 69             | <0.1             | 13.0             | 9.5              | 409            | 3.66            | 6.4              | 0.6             | <0.5             | 3.5              | 14             | 0.1              | 0.3              | 0.1              | 77            | 0.15            |
| 11CB1198 | Soil                             | 109.0            | 1.2              | 19.7             | 10.1             | 96             | <0.1             | 17.1             | 11.3             | 502            | 3.75            | 7.0              | 0.6             | 1.0              | 3.8              | 14             | <0.1             | 0.3              | 0.2              | 83            | 0.15            |
| 11CB1199 | Soil                             | 171.0            | 1.0              | 13.6             | 8.3              | 66             | <0.1             | 14.3             | 8.6              | 294            | 3.61            | 8.3              | 0.4             | 1.2              | 2.7              | 15             | 0.1              | 0.3              | 0.2              | 83            | 0.18            |
| 11CB1200 | Soil                             | 128.0            | 1.5              | 16.0             | 8.2              | 67             | 0.1              | 12.6             | 6.8              | 352            | 3.12            | 6.6              | 0.5             | <0.5             | 1.8              | 17             | 0.2              | 0.3              | 0.2              | 76            | 0.20            |
| 11CB1201 | Soil                             | 106.0            | 1.4              | 14.9             | 9.3              | 41             | 0.3              | 8.0              | 4.1              | 194            | 1.96            | 4.7              | 0.5             | 0.9              | 1.8              | 13             | 0.1              | 0.3              | 0.2              | 58            | 0.14            |
| 11CB1202 | Soil                             | 87.00            | 1.5              | 16.9             | 8.9              | 62             | <0.1             | 15.7             | 7.7              | 341            | 3.33            | 8.2              | 0.7             | 1.5              | 3.0              | 20             | <0.1             | 0.4              | 0.2              | 76            | 0.28            |
| 11CB1203 | Soil                             | 124.0            | 0.9              | 17.7             | 8.5              | 71             | <0.1             | 17.9             | 10.0             | 409            | 3.60            | 7.1              | 0.6             | <0.5             | 4.0              | 20             | <0.1             | 0.4              | 0.2              | 79            | 0.21            |
| 11CB1204 | Soil                             | 93.00            | 1.1              | 17.6             | 8.0              | 69             | 0.1              | 15.4             | 9.3              | 378            | 3.39            | 7.2              | 0.6             | 3.0              | 3.8              | 19             | <0.1             | 0.4              | 0.2              | 78            | 0.23            |
| 11CB1205 | Soil                             | 153.0            | 1.0              | 17.8             | 7.6              | 68             | <0.1             | 22.5             | 11.4             | 436            | 3.65            | 7.8              | 0.6             | 2.9              | 4.3              | 17             | <0.1             | 0.4              | 0.2              | 81            | 0.19            |
| 11CB1206 | Soil                             | 81.00            | 0.9              | 16.0             | 7.4              | 66             | <0.1             | 13.5             | 9.2              | 385            | 3.25            | 7.0              | 0.5             | 2.1              | 3.3              | 16             | <0.1             | 0.3              | 0.2              | 75            | 0.19            |
| 11CB1207 | Soil                             | 129.0            | 1.5              | 13.3             | 8.8              | 65             | 0.1              | 17.7             | 9.3              | 373            | 3.65            | 8.5              | 0.4             | 2.9              | 3.1              | 14             | <0.1             | 0.4              | 0.2              | 81            | 0.14            |
| 11CB1208 | Soil                             | 226.0            | 1.9              | 25.4             | 16.0             | 94             | 0.1              | 11.5             | 15.7             | 524            | 3.91            | 3.1              | 0.4             | 5.0              | 1.6              | 24             | 0.1              | 0.1              | <0.1             | 95            | 0.52            |



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**Project:** None Given  
**Report Date:** October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB1179 | Soil                             | 0.051 | 11    | 47    | 0.75  | 308   | 0.108 | <1    | 2.39  | 0.020 | 0.09  | 0.1   | 0.03  | 4.8   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11CB1180 | Soil                             | 0.042 | 12    | 29    | 0.99  | 232   | 0.127 | <1    | 2.07  | 0.012 | 0.12  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1181 | Soil                             | 0.045 | 11    | 28    | 0.93  | 210   | 0.128 | <1    | 2.01  | 0.010 | 0.13  | 0.1   | 0.02  | 5.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1182 | Soil                             | 0.049 | 13    | 26    | 0.89  | 236   | 0.110 | <1    | 2.01  | 0.013 | 0.16  | 0.1   | 0.05  | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1183 | Soil                             | 0.052 | 13    | 26    | 1.08  | 265   | 0.138 | <1    | 2.08  | 0.012 | 0.22  | 0.1   | 0.02  | 5.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1184 | Soil                             | 0.055 | 16    | 28    | 0.81  | 298   | 0.101 | <1    | 2.19  | 0.013 | 0.15  | 0.1   | 0.03  | 5.6   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1185 | Soil                             | 0.046 | 15    | 27    | 0.93  | 351   | 0.110 | <1    | 2.12  | 0.011 | 0.21  | 0.1   | 0.03  | 4.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1186 | Soil                             | 0.068 | 12    | 18    | 0.98  | 292   | 0.091 | 2     | 1.67  | 0.011 | 0.33  | <0.1  | 0.04  | 4.3   | 0.2   | 0.07  | 6     | <0.5  | <0.2  |
| 11CB1187 | Soil                             | 0.047 | 13    | 22    | 0.98  | 225   | 0.124 | 1     | 1.79  | 0.010 | 0.26  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11CB1188 | Soil                             | 0.048 | 10    | 23    | 0.67  | 202   | 0.138 | 1     | 1.80  | 0.011 | 0.24  | <0.1  | 0.03  | 3.8   | 0.1   | <0.05 | 8     | 0.6   | <0.2  |
| 11CB1189 | Soil                             | 0.035 | 10    | 21    | 0.68  | 144   | 0.148 | 2     | 1.81  | 0.010 | 0.23  | 0.1   | 0.02  | 3.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1190 | Soil                             | 0.067 | 11    | 29    | 0.90  | 248   | 0.160 | 1     | 2.16  | 0.011 | 0.31  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1191 | Soil                             | 0.057 | 9     | 20    | 1.25  | 233   | 0.224 | <1    | 2.47  | 0.010 | 0.64  | 0.1   | <0.01 | 6.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1192 | Soil                             | 0.041 | 9     | 17    | 0.35  | 91    | 0.113 | <1    | 1.23  | 0.009 | 0.09  | 0.1   | 0.03  | 2.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1193 | Soil                             | 0.040 | 9     | 19    | 0.32  | 90    | 0.109 | 2     | 1.20  | 0.008 | 0.11  | <0.1  | 0.03  | 2.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1194 | Soil                             | 0.058 | 16    | 25    | 0.59  | 283   | 0.114 | 1     | 1.90  | 0.011 | 0.19  | <0.1  | 0.03  | 4.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1195 | Soil                             | 0.053 | 12    | 22    | 0.64  | 166   | 0.112 | <1    | 1.63  | 0.011 | 0.17  | <0.1  | 0.03  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1196 | Soil                             | 0.036 | 16    | 35    | 0.84  | 210   | 0.134 | 2     | 2.29  | 0.011 | 0.18  | 0.1   | 0.02  | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1197 | Soil                             | 0.030 | 11    | 26    | 0.89  | 179   | 0.172 | <1    | 2.34  | 0.009 | 0.27  | <0.1  | 0.03  | 4.6   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB1198 | Soil                             | 0.042 | 10    | 33    | 0.95  | 181   | 0.166 | <1    | 2.71  | 0.011 | 0.26  | 0.1   | 0.03  | 4.8   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB1199 | Soil                             | 0.023 | 10    | 30    | 0.82  | 157   | 0.148 | <1    | 2.39  | 0.010 | 0.17  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1200 | Soil                             | 0.038 | 13    | 25    | 0.56  | 167   | 0.129 | <1    | 1.85  | 0.011 | 0.14  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB1201 | Soil                             | 0.034 | 12    | 19    | 0.35  | 138   | 0.107 | <1    | 1.46  | 0.009 | 0.10  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1202 | Soil                             | 0.037 | 14    | 28    | 0.62  | 234   | 0.136 | 1     | 2.23  | 0.011 | 0.11  | 0.1   | 0.02  | 4.8   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11CB1203 | Soil                             | 0.025 | 13    | 33    | 0.71  | 202   | 0.146 | 2     | 2.54  | 0.012 | 0.12  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1204 | Soil                             | 0.026 | 12    | 31    | 0.73  | 190   | 0.156 | 2     | 2.32  | 0.010 | 0.12  | 0.1   | 0.02  | 4.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1205 | Soil                             | 0.029 | 14    | 38    | 0.76  | 200   | 0.147 | <1    | 2.44  | 0.011 | 0.10  | 0.1   | 0.02  | 5.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1206 | Soil                             | 0.027 | 11    | 27    | 0.72  | 183   | 0.143 | <1    | 2.34  | 0.010 | 0.10  | 0.1   | 0.02  | 5.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1207 | Soil                             | 0.038 | 11    | 31    | 0.72  | 142   | 0.140 | 2     | 2.20  | 0.009 | 0.09  | 0.2   | 0.02  | 4.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1208 | Soil                             | 0.077 | 7     | 20    | 1.18  | 265   | 0.207 | 1     | 2.48  | 0.019 | 0.49  | 0.2   | <0.01 | 3.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |



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Project: None Given  
Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

| Method<br>Analyte | Unit<br>MDL | SS80   | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|-------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                   |             | -80 Wt | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      |
|                   |             | g      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|                   |             | 0      | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 1      | 0.01   | 0.5    | 0.1    | 0.5    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 2      |
| 11CB1209          | Soil        | 103.0  | 1.7    | 18.6   | 10.3   | 82     | 0.3    | 15.5   | 15.1   | 382    | 3.19   | 4.4    | 1.0    | 1.0    | 2.9    | 34     | 0.2    | 0.2    | 0.1    | 80     |
| 11CB1210          | Soil        | 127.0  | 2.0    | 20.2   | 11.0   | 91     | 0.3    | 16.1   | 16.4   | 428    | 3.51   | 5.0    | 1.0    | 2.3    | 3.1    | 38     | 0.3    | 0.2    | 0.2    | 93     |
| 11CB1211          | Soil        | 65.00  | 1.1    | 29.6   | 9.3    | 64     | 0.6    | 14.3   | 9.7    | 349    | 2.86   | 3.3    | 1.5    | 12.5   | 1.8    | 30     | 0.3    | 0.2    | 0.1    | 62     |
| 11CB1212          | Soil        | 106.0  | 2.1    | 12.9   | 9.2    | 89     | 0.2    | 11.1   | 11.4   | 389    | 3.08   | 6.2    | 0.5    | 8.5    | 2.1    | 31     | 0.2    | 0.2    | <0.1   | 74     |
| 11CB1213          | Soil        | 115.0  | 1.3    | 16.7   | 6.9    | 97     | 0.1    | 15.5   | 15.6   | 475    | 3.54   | 3.3    | 0.5    | 6.2    | 2.1    | 34     | <0.1   | 0.2    | <0.1   | 80     |
| 11CB1214          | Soil        | 99.00  | 2.3    | 14.1   | 7.0    | 79     | 0.1    | 13.9   | 11.9   | 408    | 3.30   | 4.6    | 0.6    | 5.1    | 1.6    | 36     | <0.1   | 0.2    | <0.1   | 75     |
| 11CB1215          | Soil        | 149.0  | 2.1    | 14.8   | 8.0    | 80     | 0.1    | 17.2   | 11.5   | 392    | 3.45   | 5.5    | 0.6    | 9.6    | 2.2    | 24     | 0.1    | 0.3    | 0.1    | 80     |
| 11CB1216          | Soil        | 144.0  | 1.3    | 20.9   | 7.4    | 74     | <0.1   | 16.4   | 12.1   | 420    | 4.00   | 6.8    | 0.7    | 2.5    | 3.1    | 15     | <0.1   | 0.3    | 0.1    | 95     |
| 11CB1217          | Soil        | 85.00  | 1.7    | 25.1   | 10.4   | 54     | 0.2    | 13.9   | 9.4    | 340    | 3.56   | 8.1    | 0.6    | 2.9    | 2.6    | 20     | <0.1   | 0.4    | 0.2    | 87     |
| 11CB1218          | Soil        | 95.00  | 1.7    | 26.6   | 9.9    | 70     | 0.2    | 15.4   | 13.0   | 495    | 4.34   | 11.0   | 0.5    | 0.7    | 2.3    | 16     | <0.1   | 0.5    | 0.2    | 107    |
| 11CB1219          | Soil        | 110.0  | 1.4    | 24.8   | 9.0    | 70     | 0.2    | 16.7   | 11.7   | 370    | 3.52   | 7.4    | 0.5    | <0.5   | 2.8    | 13     | <0.1   | 0.4    | 0.1    | 93     |
| 11CB1220          | Soil        | 88.00  | 1.9    | 30.4   | 6.2    | 69     | <0.1   | 17.7   | 14.8   | 472    | 3.62   | 8.5    | 0.7    | 2.9    | 2.7    | 19     | 0.1    | 0.3    | <0.1   | 88     |
| 11AN0450          | Soil        | 73.00  | 0.6    | 20.0   | 4.3    | 84     | <0.1   | 11.5   | 14.9   | 448    | 2.84   | 2.3    | 0.6    | 4.6    | 1.9    | 16     | <0.1   | 0.1    | 0.2    | 73     |
| 11AN0451          | Soil        | 70.00  | 0.5    | 14.4   | 4.1    | 78     | <0.1   | 11.8   | 14.5   | 419    | 3.11   | 2.9    | 0.4    | 2.7    | 1.8    | 15     | <0.1   | 0.2    | 0.2    | 80     |
| 11AN0452          | Soil        | 94.00  | 0.6    | 20.6   | 4.8    | 90     | <0.1   | 12.5   | 12.8   | 370    | 3.21   | 3.5    | 0.4    | 2.4    | 2.3    | 14     | <0.1   | 0.2    | 0.1    | 76     |
| 11AN0453          | Soil        | 145.0  | 0.4    | 20.9   | 4.4    | 87     | <0.1   | 17.3   | 16.2   | 463    | 3.47   | 3.0    | 0.5    | 4.6    | 2.4    | 20     | <0.1   | 0.2    | 0.1    | 89     |
| 11AN0454          | Soil        | 115.0  | 0.5    | 26.2   | 4.8    | 81     | <0.1   | 15.6   | 14.4   | 427    | 3.29   | 3.8    | 0.5    | 18.6   | 2.4    | 20     | <0.1   | 0.2    | 0.1    | 82     |
| 11AN0455          | Soil        | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0456          | Soil        | 118.0  | 0.5    | 26.0   | 3.8    | 71     | <0.1   | 11.5   | 13.5   | 470    | 3.32   | 2.6    | 0.4    | 5.2    | 1.4    | 20     | <0.1   | 0.1    | <0.1   | 95     |
| 11AN0457          | Soil        | 101.0  | 1.3    | 22.7   | 5.1    | 83     | 0.2    | 13.9   | 10.8   | 497    | 3.30   | 3.6    | 0.8    | 8.8    | 2.5    | 21     | <0.1   | 0.2    | 0.1    | 66     |
| 11AN0458          | Soil        | 120.0  | 0.9    | 21.2   | 5.8    | 83     | 0.1    | 15.5   | 10.8   | 491    | 3.45   | 3.6    | 0.7    | 4.8    | 2.3    | 22     | <0.1   | 0.2    | 0.1    | 69     |
| 11AN0459          | Soil        |        | 0.6    | 19.4   | 4.7    | 86     | <0.1   | 12.4   | 12.4   | 460    | 3.28   | 2.8    | 0.5    | 2.9    | 2.4    | 18     | 0.1    | 0.2    | <0.1   | 72     |
| 11AN0460          | Soil        |        | 0.6    | 17.6   | 5.0    | 93     | 0.1    | 13.7   | 13.1   | 621    | 3.45   | 3.1    | 0.6    | 11.8   | 2.4    | 21     | 0.1    | 0.2    | 0.1    | 63     |
| 11AN0461          | Soil        |        | 0.6    | 17.0   | 5.2    | 87     | 0.1    | 13.5   | 12.9   | 606    | 3.16   | 2.9    | 0.6    | 12.6   | 2.3    | 20     | 0.1    | 0.2    | <0.1   | 65     |
| 11AN0462          | Soil        |        | 0.5    | 17.7   | 4.8    | 91     | 0.1    | 35.9   | 15.5   | 720    | 3.42   | 2.7    | 0.6    | 3.1    | 2.1    | 26     | 0.1    | 0.2    | <0.1   | 77     |
| 11AN0463          | Soil        |        | 1.2    | 27.0   | 6.5    | 77     | 0.2    | 23.1   | 15.5   | 468    | 3.08   | 3.4    | 0.5    | 114.7  | 1.5    | 24     | 0.1    | 0.2    | 0.1    | 79     |
| 11AN0464          | Soil        |        | 1.8    | 25.0   | 6.5    | 61     | 0.1    | 22.3   | 17.4   | 1017   | 2.66   | 3.2    | 0.6    | 8.9    | 1.2    | 32     | 0.1    | 0.2    | 0.1    | 59     |
| 11AN0465          | Soil        |        | 2.8    | 19.6   | 5.5    | 64     | 0.2    | 16.1   | 13.9   | 874    | 2.96   | 5.7    | 0.8    | 8.1    | 1.2    | 53     | 0.2    | 0.2    | 0.1    | 57     |
| 11AN0466          | Soil        |        | 1.6    | 17.4   | 6.4    | 80     | 0.1    | 23.0   | 9.8    | 427    | 2.71   | 2.5    | 0.8    | 6.7    | 1.8    | 45     | 0.1    | 0.2    | 0.1    | 63     |
| 11AN0467          | Soil        |        | 1.9    | 20.0   | 6.5    | 87     | 0.3    | 20.4   | 11.3   | 302    | 3.32   | 3.1    | 0.9    | 23.6   | 2.2    | 25     | 0.2    | 0.2    | 0.1    | 71     |





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**Project:** None Given  
**Report Date:** October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | P      | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Tl     | S      | Ga     | Se     | Te     |
|          |                                  | %      | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 0.001  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11CB1209 | Soil                             | 0.058  | 14     | 28     | 0.83   | 195    | 0.120  | <1     | 2.17   | 0.012  | 0.13   | 0.1    | 0.02   | 5.2    | 0.1    | <0.05  | 7      | 0.5    | <0.2   |
| 11CB1210 | Soil                             | 0.061  | 15     | 32     | 0.91   | 215    | 0.138  | 2      | 2.29   | 0.014  | 0.15   | 0.1    | 0.02   | 5.8    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11CB1211 | Soil                             | 0.079  | 23     | 23     | 0.62   | 291    | 0.121  | 1      | 2.00   | 0.014  | 0.14   | 0.1    | 0.06   | 5.2    | 0.1    | <0.05  | 6      | 0.6    | <0.2   |
| 11CB1212 | Soil                             | 0.072  | 9      | 23     | 0.84   | 217    | 0.122  | <1     | 1.83   | 0.015  | 0.13   | 0.2    | 0.03   | 4.6    | 0.1    | <0.05  | 7      | 0.6    | <0.2   |
| 11CB1213 | Soil                             | 0.096  | 8      | 28     | 1.16   | 287    | 0.203  | 1      | 2.25   | 0.016  | 0.30   | 0.2    | 0.01   | 4.0    | 0.3    | <0.05  | 8      | <0.5   | <0.2   |
| 11CB1214 | Soil                             | 0.079  | 9      | 24     | 0.90   | 226    | 0.146  | 1      | 1.89   | 0.016  | 0.13   | 0.1    | 0.03   | 3.5    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11CB1215 | Soil                             | 0.076  | 11     | 30     | 0.92   | 214    | 0.145  | 1      | 1.99   | 0.016  | 0.13   | 0.2    | 0.03   | 4.0    | 0.2    | <0.05  | 6      | 0.6    | <0.2   |
| 11CB1216 | Soil                             | 0.045  | 13     | 34     | 1.13   | 224    | 0.155  | 1      | 2.36   | 0.013  | 0.24   | <0.1   | 0.01   | 5.1    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11CB1217 | Soil                             | 0.032  | 10     | 32     | 0.68   | 225    | 0.130  | 2      | 2.33   | 0.015  | 0.09   | <0.1   | 0.02   | 4.0    | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11CB1218 | Soil                             | 0.102  | 8      | 37     | 0.90   | 154    | 0.107  | <1     | 2.35   | 0.012  | 0.08   | 0.2    | 0.02   | 5.5    | 0.1    | <0.05  | 9      | <0.5   | <0.2   |
| 11CB1219 | Soil                             | 0.027  | 10     | 38     | 1.02   | 170    | 0.124  | 2      | 2.22   | 0.015  | 0.10   | 0.1    | 0.01   | 4.6    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11CB1220 | Soil                             | 0.044  | 12     | 37     | 1.16   | 267    | 0.140  | 1      | 2.10   | 0.017  | 0.18   | <0.1   | 0.02   | 5.7    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11AN0450 | Soil                             | 0.084  | 11     | 21     | 1.23   | 299    | 0.142  | 1      | 1.86   | 0.012  | 0.21   | 0.1    | 0.02   | 5.4    | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11AN0451 | Soil                             | 0.095  | 9      | 22     | 1.20   | 244    | 0.159  | 2      | 1.95   | 0.013  | 0.26   | 0.1    | <0.01  | 5.6    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11AN0452 | Soil                             | 0.073  | 9      | 21     | 1.12   | 209    | 0.163  | 1      | 2.04   | 0.016  | 0.24   | 0.1    | 0.02   | 5.2    | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11AN0453 | Soil                             | 0.082  | 12     | 34     | 1.34   | 311    | 0.197  | 1      | 2.30   | 0.015  | 0.44   | 0.1    | <0.01  | 5.4    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11AN0454 | Soil                             | 0.080  | 11     | 26     | 1.03   | 273    | 0.164  | 1      | 1.95   | 0.017  | 0.20   | 0.1    | <0.01  | 4.4    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11AN0455 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0456 | Soil                             | 0.094  | 6      | 25     | 1.05   | 309    | 0.176  | <1     | 1.87   | 0.017  | 0.40   | 0.1    | 0.01   | 3.9    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11AN0457 | Soil                             | 0.079  | 15     | 27     | 0.84   | 281    | 0.148  | 1      | 1.97   | 0.014  | 0.30   | 0.1    | 0.02   | 4.9    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11AN0458 | Soil                             | 0.065  | 13     | 27     | 0.83   | 282    | 0.147  | 1      | 2.14   | 0.033  | 0.17   | 0.1    | 0.03   | 4.1    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11AN0459 | Soil                             | 0.092  | 11     | 23     | 1.00   | 282    | 0.166  | <1     | 1.80   | 0.014  | 0.38   | 0.1    | <0.01  | 4.4    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11AN0460 | Soil                             | 0.102  | 12     | 22     | 1.00   | 322    | 0.161  | 1      | 2.01   | 0.013  | 0.32   | 0.1    | 0.02   | 4.6    | 0.2    | 0.06   | 7      | <0.5   | <0.2   |
| 11AN0461 | Soil                             | 0.100  | 11     | 21     | 0.93   | 302    | 0.151  | 1      | 1.96   | 0.012  | 0.30   | 0.1    | 0.01   | 4.3    | 0.2    | 0.05   | 7      | <0.5   | <0.2   |
| 11AN0462 | Soil                             | 0.100  | 12     | 78     | 1.35   | 320    | 0.164  | 1      | 2.12   | 0.013  | 0.36   | 0.1    | 0.02   | 5.4    | 0.2    | 0.06   | 7      | <0.5   | <0.2   |
| 11AN0463 | Soil                             | 0.094  | 10     | 40     | 0.95   | 314    | 0.085  | <1     | 1.91   | 0.017  | 0.05   | <0.1   | 0.05   | 4.9    | <0.1   | 0.07   | 7      | <0.5   | <0.2   |
| 11AN0464 | Soil                             | 0.092  | 9      | 40     | 0.81   | 273    | 0.063  | 1      | 1.74   | 0.020  | 0.05   | 0.1    | 0.03   | 4.1    | <0.1   | 0.09   | 6      | <0.5   | <0.2   |
| 11AN0465 | Soil                             | 0.091  | 9      | 27     | 0.67   | 384    | 0.054  | 2      | 1.31   | 0.015  | 0.06   | <0.1   | 0.03   | 3.0    | <0.1   | 0.15   | 4      | <0.5   | <0.2   |
| 11AN0466 | Soil                             | 0.093  | 12     | 40     | 0.86   | 390    | 0.100  | 2      | 1.58   | 0.016  | 0.08   | <0.1   | 0.03   | 4.6    | 0.1    | 0.13   | 6      | <0.5   | <0.2   |
| 11AN0467 | Soil                             | 0.081  | 15     | 33     | 0.90   | 370    | 0.123  | 1      | 1.98   | 0.012  | 0.14   | 0.1    | 0.03   | 5.5    | 0.2    | 0.09   | 7      | <0.5   | <0.2   |



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Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte | Unit<br>MDL | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|-------------------|-------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |                   |             | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca   |
|          |                   |             | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %    |
|          |                   |             | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11AN0468 | Soil              |             | 2.2    | 15.4  | 6.7   | 80    | 0.1   | 18.8  | 10.9  | 241   | 3.09  | 2.6   | 0.5   | 11.8  | 1.8   | 22    | <0.1  | 0.2   | 0.1   | 76    | 0.46  |      |
| 11AN0469 | Soil              |             | 2.2    | 15.5  | 6.5   | 83    | <0.1  | 19.9  | 14.6  | 553   | 3.36  | 3.6   | 0.5   | 6.6   | 2.3   | 30    | <0.1  | 0.1   | <0.1  | 76    | 0.59  |      |
| 11AN0470 | Soil              |             | 1.5    | 15.7  | 6.5   | 71    | 0.1   | 18.7  | 10.4  | 214   | 2.49  | 2.2   | 0.6   | 11.4  | 1.4   | 31    | 0.1   | 0.2   | <0.1  | 51    | 0.66  |      |
| 11AN0471 | Soil              |             | 2.7    | 16.2  | 6.5   | 92    | 0.2   | 17.4  | 13.4  | 366   | 3.49  | 3.8   | 0.5   | 9.0   | 1.9   | 48    | <0.1  | 0.2   | <0.1  | 75    | 0.51  |      |
| 11AN0472 | Soil              |             | 1.8    | 20.4  | 6.0   | 97    | <0.1  | 17.4  | 16.9  | 617   | 3.87  | 3.7   | 0.4   | 11.3  | 1.7   | 37    | <0.1  | 0.1   | <0.1  | 84    | 0.75  |      |
| 11AN0473 | Soil              |             | 1.9    | 18.6  | 13.7  | 110   | 0.2   | 22.5  | 14.3  | 534   | 3.62  | 4.2   | 0.6   | 8.3   | 2.6   | 29    | 0.1   | 0.2   | 0.1   | 79    | 0.62  |      |
| 11AN0474 | Soil              |             | 1.7    | 16.8  | 13.8  | 120   | 0.1   | 16.4  | 11.9  | 466   | 3.49  | 7.0   | 0.6   | 7.0   | 2.9   | 29    | 0.2   | 0.1   | 0.1   | 69    | 0.67  |      |
| 11AN0475 | Soil              |             | 2.5    | 24.3  | 8.7   | 95    | 0.3   | 13.0  | 20.5  | 1290  | 3.61  | 8.8   | 0.8   | 14.6  | 2.1   | 35    | 0.2   | 0.2   | 0.1   | 86    | 0.76  |      |
| 11AN0476 | Soil              |             | 1.7    | 25.1  | 12.8  | 95    | 0.2   | 21.2  | 15.1  | 348   | 3.87  | 3.8   | 0.8   | 5.4   | 2.7   | 34    | 0.1   | 0.1   | 0.1   | 112   | 0.48  |      |
| 11AN0477 | Soil              |             | 2.1    | 13.7  | 10.9  | 66    | 0.2   | 13.0  | 8.6   | 193   | 2.75  | 4.4   | 0.6   | 7.9   | 1.4   | 19    | <0.1  | 0.2   | 0.2   | 74    | 0.33  |      |
| 11AN0478 | Soil              |             | 1.6    | 16.7  | 8.7   | 74    | <0.1  | 17.6  | 13.0  | 411   | 3.25  | 4.8   | 0.4   | 6.4   | 3.1   | 16    | <0.1  | 0.2   | 0.1   | 64    | 0.27  |      |
| 11AN0479 | Soil              |             | 1.0    | 18.2  | 12.1  | 67    | 0.2   | 15.5  | 8.5   | 252   | 2.26  | 2.5   | 0.6   | 5.6   | 1.1   | 22    | 0.1   | 0.2   | 0.1   | 49    | 0.39  |      |
| 11AN0480 | Soil              |             | 0.9    | 29.9  | 9.4   | 68    | 0.4   | 27.8  | 13.2  | 380   | 2.80  | 3.3   | 0.8   | 4.7   | 1.4   | 45    | 0.1   | 0.2   | 0.1   | 73    | 0.89  |      |
| 11AN0481 | Soil              |             | 1.0    | 29.2  | 8.8   | 67    | 0.3   | 28.4  | 13.4  | 340   | 2.74  | 3.0   | 0.8   | 5.6   | 1.5   | 37    | 0.1   | 0.2   | 0.1   | 67    | 0.71  |      |
| 11AN0482 | Soil              |             | 0.7    | 20.5  | 5.1   | 77    | <0.1  | 12.9  | 12.5  | 461   | 3.06  | 3.7   | 0.6   | 2.5   | 2.8   | 16    | <0.1  | 0.2   | <0.1  | 66    | 0.37  |      |
| 11AN0483 | Soil              |             | 0.7    | 11.4  | 5.9   | 85    | <0.1  | 12.1  | 10.2  | 668   | 2.70  | 3.9   | 0.5   | 2.3   | 2.3   | 13    | <0.1  | 0.2   | 0.1   | 54    | 0.23  |      |
| 11AN0484 | Soil              |             | 0.6    | 14.9  | 4.9   | 74    | 0.2   | 11.5  | 9.6   | 385   | 2.31  | 2.6   | 0.8   | 3.5   | 0.7   | 20    | 0.2   | 0.2   | 0.1   | 55    | 0.32  |      |
| 11AN0485 | Soil              |             | 0.8    | 18.0  | 7.1   | 90    | <0.1  | 19.0  | 11.5  | 566   | 3.14  | 6.4   | 1.0   | 4.0   | 2.9   | 17    | 0.1   | 0.3   | 0.3   | 66    | 0.26  |      |
| 11AN0486 | Soil              |             | 0.6    | 9.7   | 5.4   | 89    | <0.1  | 12.7  | 10.7  | 552   | 2.54  | 3.4   | 0.8   | 3.5   | 2.5   | 14    | <0.1  | 0.2   | 0.1   | 47    | 0.22  |      |
| 11AN0487 | Soil              |             | 0.7    | 7.6   | 5.4   | 63    | <0.1  | 6.2   | 5.7   | 313   | 2.02  | 3.3   | 0.4   | 3.0   | 1.3   | 8     | <0.1  | 0.2   | 0.2   | 56    | 0.07  |      |
| 11AN0488 | Soil              |             | 0.9    | 20.4  | 7.5   | 92    | <0.1  | 15.5  | 12.7  | 626   | 3.51  | 5.1   | 0.8   | 4.0   | 3.4   | 16    | 0.1   | 0.3   | 0.1   | 72    | 0.24  |      |
| 11AN0489 | Soil              |             | 0.7    | 17.5  | 6.7   | 84    | <0.1  | 13.2  | 9.9   | 461   | 3.06  | 5.0   | 0.7   | 2.7   | 2.7   | 16    | <0.1  | 0.3   | 0.1   | 68    | 0.22  |      |
| 11AN0490 | Soil              |             | 0.6    | 33.2  | 9.3   | 91    | 0.2   | 18.6  | 14.4  | 972   | 3.75  | 6.5   | 1.1   | 2.0   | 3.3   | 21    | <0.1  | 0.3   | 0.2   | 82    | 0.29  |      |
| 11AN0491 | Soil              |             | 0.9    | 21.8  | 8.4   | 74    | 0.1   | 12.4  | 8.4   | 428   | 3.44  | 5.6   | 0.5   | 1.8   | 2.5   | 11    | 0.1   | 0.3   | 0.2   | 82    | 0.13  |      |
| 11AN0492 | Soil              |             | 0.7    | 15.2  | 6.2   | 72    | <0.1  | 9.8   | 7.1   | 394   | 2.89  | 4.7   | 0.5   | 3.6   | 2.2   | 10    | 0.2   | 0.3   | 0.1   | 65    | 0.13  |      |
| 11AN0493 | Soil              |             | 0.6    | 16.8  | 5.9   | 87    | <0.1  | 17.9  | 12.5  | 626   | 3.52  | 4.7   | 0.7   | 3.7   | 3.5   | 14    | <0.1  | 0.2   | 0.2   | 71    | 0.19  |      |
| 11AN0494 | Soil              |             | 0.6    | 12.5  | 6.5   | 78    | <0.1  | 11.1  | 9.7   | 514   | 3.28  | 4.8   | 0.6   | 1.3   | 3.3   | 13    | <0.1  | 0.3   | 0.1   | 63    | 0.18  |      |
| 11AN0495 | Soil              |             | 0.5    | 12.7  | 5.8   | 84    | <0.1  | 11.2  | 8.8   | 463   | 2.81  | 4.6   | 0.8   | 2.9   | 3.2   | 13    | <0.1  | 0.2   | 0.1   | 58    | 0.18  |      |
| 11AN0496 | Soil              |             | 0.7    | 15.1  | 7.4   | 85    | <0.1  | 12.8  | 10.9  | 595   | 3.20  | 4.8   | 0.7   | 67.5  | 4.1   | 15    | <0.1  | 0.2   | 0.1   | 66    | 0.23  |      |
| 11AN0497 | Soil              |             | 0.9    | 16.0  | 9.1   | 73    | <0.1  | 14.9  | 10.9  | 473   | 3.45  | 6.5   | 0.6   | 1.6   | 3.6   | 16    | <0.1  | 0.3   | 0.2   | 75    | 0.21  |      |



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Project: None Given

Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11AN0468 | Soil                             | 0.067 | 10    | 31    | 0.94  | 250   | 0.148 | 1     | 2.00  | 0.014 | 0.12  | 0.1   | 0.04  | 4.0   | 0.2   | 0.07  | 7     | <0.5  | <0.2  |
| 11AN0469 | Soil                             | 0.095 | 10    | 33    | 1.07  | 280   | 0.160 | 1     | 1.84  | 0.016 | 0.21  | 0.1   | 0.02  | 3.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0470 | Soil                             | 0.079 | 8     | 30    | 0.85  | 280   | 0.116 | 1     | 1.64  | 0.016 | 0.09  | 0.1   | 0.03  | 3.4   | 0.2   | 0.09  | 6     | <0.5  | <0.2  |
| 11AN0471 | Soil                             | 0.091 | 8     | 29    | 1.10  | 268   | 0.159 | <1    | 2.08  | 0.013 | 0.20  | <0.1  | 0.03  | 3.4   | 0.3   | 0.05  | 7     | <0.5  | <0.2  |
| 11AN0472 | Soil                             | 0.100 | 7     | 28    | 1.18  | 364   | 0.221 | <1    | 2.13  | 0.017 | 0.32  | 0.1   | 0.01  | 3.0   | 0.3   | 0.05  | 6     | <0.5  | <0.2  |
| 11AN0473 | Soil                             | 0.082 | 11    | 38    | 1.15  | 343   | 0.167 | <1    | 2.02  | 0.014 | 0.17  | 0.2   | 0.05  | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0474 | Soil                             | 0.098 | 13    | 27    | 0.97  | 363   | 0.116 | <1    | 1.77  | 0.010 | 0.25  | 0.1   | 0.02  | 5.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0475 | Soil                             | 0.077 | 12    | 23    | 0.85  | 297   | 0.141 | <1    | 1.77  | 0.015 | 0.20  | 0.1   | 0.03  | 4.3   | 0.2   | 0.08  | 6     | <0.5  | <0.2  |
| 11AN0476 | Soil                             | 0.077 | 12    | 39    | 1.27  | 267   | 0.229 | <1    | 2.53  | 0.021 | 0.35  | 0.1   | 0.02  | 5.3   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0477 | Soil                             | 0.057 | 8     | 26    | 0.68  | 123   | 0.088 | <1    | 1.77  | 0.013 | 0.04  | 0.1   | 0.03  | 3.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0478 | Soil                             | 0.039 | 9     | 28    | 0.79  | 115   | 0.130 | <1    | 1.86  | 0.014 | 0.09  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0479 | Soil                             | 0.057 | 8     | 27    | 0.68  | 194   | 0.104 | <1    | 1.71  | 0.014 | 0.06  | 0.1   | 0.03  | 2.9   | <0.1  | 0.06  | 6     | <0.5  | <0.2  |
| 11AN0480 | Soil                             | 0.074 | 9     | 43    | 0.92  | 395   | 0.125 | 1     | 2.10  | 0.020 | 0.07  | 0.1   | 0.07  | 3.8   | 0.1   | 0.11  | 6     | <0.5  | <0.2  |
| 11AN0481 | Soil                             | 0.068 | 9     | 43    | 0.94  | 341   | 0.135 | 1     | 2.08  | 0.017 | 0.08  | 0.1   | 0.06  | 3.6   | 0.1   | 0.08  | 6     | <0.5  | <0.2  |
| 11AN0482 | Soil                             | 0.061 | 12    | 23    | 1.01  | 246   | 0.150 | <1    | 1.94  | 0.014 | 0.26  | <0.1  | 0.02  | 5.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0483 | Soil                             | 0.052 | 12    | 21    | 0.83  | 147   | 0.135 | <1    | 1.68  | 0.011 | 0.20  | 0.1   | 0.03  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0484 | Soil                             | 0.073 | 11    | 22    | 0.93  | 290   | 0.089 | <1    | 1.76  | 0.014 | 0.18  | <0.1  | 0.05  | 5.0   | 0.1   | 0.08  | 7     | <0.5  | <0.2  |
| 11AN0485 | Soil                             | 0.052 | 16    | 30    | 0.89  | 313   | 0.119 | 2     | 2.31  | 0.012 | 0.18  | 0.1   | 0.03  | 5.6   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0486 | Soil                             | 0.049 | 12    | 21    | 1.04  | 218   | 0.119 | <1    | 1.87  | 0.010 | 0.27  | <0.1  | 0.02  | 4.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0487 | Soil                             | 0.032 | 9     | 14    | 0.46  | 115   | 0.127 | <1    | 1.08  | 0.006 | 0.17  | 0.1   | 0.01  | 3.2   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11AN0488 | Soil                             | 0.041 | 12    | 30    | 0.95  | 258   | 0.171 | 1     | 2.19  | 0.010 | 0.28  | 0.2   | 0.01  | 5.8   | 0.2   | <0.05 | 8     | 0.5   | <0.2  |
| 11AN0489 | Soil                             | 0.045 | 11    | 26    | 0.78  | 213   | 0.161 | 1     | 1.88  | 0.009 | 0.24  | 0.2   | 0.02  | 4.6   | 0.1   | <0.05 | 7     | 0.9   | <0.2  |
| 11AN0490 | Soil                             | 0.046 | 15    | 35    | 0.87  | 331   | 0.153 | 2     | 2.70  | 0.013 | 0.22  | 0.1   | 0.04  | 5.9   | 0.2   | <0.05 | 9     | 1.8   | <0.2  |
| 11AN0491 | Soil                             | 0.037 | 9     | 29    | 0.66  | 123   | 0.166 | <1    | 1.94  | 0.009 | 0.17  | 0.2   | 0.02  | 3.8   | 0.1   | <0.05 | 8     | 0.9   | <0.2  |
| 11AN0492 | Soil                             | 0.037 | 10    | 20    | 0.60  | 136   | 0.136 | 2     | 1.59  | 0.009 | 0.17  | 0.1   | 0.02  | 3.3   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| 11AN0493 | Soil                             | 0.040 | 12    | 39    | 1.06  | 256   | 0.178 | <1    | 2.34  | 0.008 | 0.50  | 0.1   | 0.02  | 5.5   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11AN0494 | Soil                             | 0.040 | 10    | 24    | 0.92  | 194   | 0.161 | <1    | 2.04  | 0.009 | 0.34  | 0.1   | <0.01 | 4.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0495 | Soil                             | 0.030 | 14    | 23    | 0.77  | 175   | 0.141 | <1    | 1.79  | 0.009 | 0.26  | 0.1   | 0.02  | 4.3   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0496 | Soil                             | 0.053 | 13    | 25    | 0.83  | 210   | 0.168 | 1     | 2.03  | 0.009 | 0.29  | 0.2   | 0.02  | 5.7   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11AN0497 | Soil                             | 0.032 | 12    | 29    | 0.78  | 209   | 0.157 | 1     | 2.28  | 0.010 | 0.17  | 0.2   | 0.01  | 4.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |



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Project: None Given  
Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte | Unit<br>MDL | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |
|----------|-------------------|-------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
|          |                   |             | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca |
|          |                   |             | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  |
|          |                   |             | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2  |
| 11AN0498 | Soil              |             | 1.1    | 13.5  | 8.1   | 57    | <0.1  | 12.5  | 7.4   | 338   | 3.32  | 7.2   | 0.5   | 0.7   | 1.6   | 10    | 0.2   | 0.4   | 0.2   | 75    | 0.11  |    |
| 11AN0499 | Soil              |             | 1.4    | 15.4  | 11.4  | 72    | <0.1  | 16.0  | 10.5  | 377   | 3.83  | 8.5   | 0.5   | 2.4   | 3.2   | 16    | <0.1  | 0.4   | 0.2   | 85    | 0.17  |    |
| 11AN0500 | Soil              |             | 1.7    | 14.0  | 14.1  | 60    | <0.1  | 12.1  | 6.8   | 287   | 3.94  | 8.8   | 0.4   | 1.9   | 2.2   | 11    | <0.1  | 0.5   | 0.2   | 109   | 0.12  |    |
| 11AN0501 | Soil              |             | 1.4    | 13.4  | 8.8   | 52    | <0.1  | 8.5   | 5.9   | 239   | 3.32  | 7.4   | 0.4   | 1.1   | 2.2   | 10    | <0.1  | 0.3   | 0.2   | 96    | 0.10  |    |
| 11AN0502 | Soil              |             | 1.5    | 15.8  | 8.5   | 72    | <0.1  | 16.1  | 10.7  | 416   | 3.63  | 7.6   | 0.5   | 2.2   | 3.5   | 14    | <0.1  | 0.4   | 0.2   | 83    | 0.16  |    |
| 11AN0503 | Soil              |             | 1.0    | 9.0   | 10.6  | 48    | <0.1  | 7.1   | 5.6   | 285   | 2.35  | 5.2   | 0.4   | 4.4   | 2.3   | 14    | <0.1  | 0.2   | 0.2   | 67    | 0.15  |    |
| 11AN0504 | Soil              |             | 2.9    | 66.5  | 13.8  | 97    | 0.7   | 30.0  | 20.2  | 1574  | 5.56  | 12.5  | 3.0   | 12.7  | 7.5   | 40    | 0.3   | 0.4   | 0.3   | 116   | 0.69  |    |
| 11AN0505 | Soil              |             | 1.1    | 14.7  | 9.4   | 64    | <0.1  | 17.6  | 9.4   | 344   | 3.52  | 8.6   | 0.6   | 4.3   | 4.2   | 15    | <0.1  | 0.3   | 0.1   | 70    | 0.22  |    |
| 11AN0506 | Soil              |             | 1.1    | 15.6  | 5.8   | 87    | <0.1  | 12.6  | 11.2  | 545   | 4.10  | 5.6   | 0.5   | 2.2   | 3.4   | 12    | <0.1  | 0.2   | 0.1   | 82    | 0.18  |    |
| 11AN0507 | Soil              |             | 0.6    | 9.7   | 6.3   | 76    | <0.1  | 8.6   | 13.5  | 947   | 2.32  | 2.8   | 0.4   | 1.7   | 3.1   | 11    | 0.1   | 0.2   | 0.1   | 49    | 0.19  |    |
| 11AN0508 | Soil              |             | 0.6    | 6.3   | 7.1   | 72    | <0.1  | 11.4  | 10.3  | 666   | 2.50  | 4.9   | 0.4   | 0.7   | 3.9   | 11    | <0.1  | 0.2   | 0.2   | 58    | 0.16  |    |
| 11AN0509 | Soil              |             | 0.6    | 19.2  | 7.0   | 85    | 0.2   | 15.9  | 12.9  | 500   | 3.07  | 5.1   | 0.8   | 6.9   | 2.8   | 24    | 0.1   | 0.3   | 0.1   | 67    | 0.47  |    |
| 11AN0510 | Soil              |             | 0.7    | 21.7  | 8.3   | 82    | 0.1   | 16.4  | 12.1  | 417   | 3.01  | 5.0   | 0.8   | 2.2   | 3.3   | 23    | <0.1  | 0.4   | 0.1   | 61    | 0.36  |    |
| 11AN0511 | Soil              |             | 0.7    | 22.9  | 6.1   | 75    | 0.1   | 14.9  | 12.0  | 422   | 3.08  | 4.6   | 0.5   | 2.2   | 2.5   | 34    | <0.1  | 0.2   | <0.1  | 73    | 0.42  |    |
| 11AN0512 | Soil              |             | 0.5    | 21.4  | 7.1   | 77    | 0.1   | 17.6  | 12.3  | 417   | 3.13  | 4.9   | 0.6   | 3.1   | 2.9   | 23    | <0.1  | 0.2   | <0.1  | 69    | 0.41  |    |
| 11AN0513 | Soil              |             | 0.8    | 21.0  | 6.4   | 88    | 0.2   | 13.9  | 11.4  | 476   | 3.28  | 4.1   | 0.8   | 4.4   | 2.6   | 24    | 0.2   | 0.3   | <0.1  | 69    | 0.44  |    |
| 11AN0514 | Soil              |             | 0.6    | 15.2  | 6.6   | 88    | 0.2   | 14.6  | 12.3  | 518   | 3.24  | 4.4   | 0.7   | 13.8  | 2.4   | 23    | <0.1  | 0.3   | 0.1   | 63    | 0.46  |    |
| 11AN0515 | Soil              |             | 1.4    | 22.9  | 6.6   | 78    | 0.1   | 19.0  | 11.6  | 322   | 3.06  | 4.4   | 0.8   | 7.9   | 2.3   | 28    | <0.1  | 0.2   | <0.1  | 65    | 0.52  |    |
| 11AN0516 | Soil              |             | 1.1    | 34.5  | 8.6   | 55    | 0.1   | 20.3  | 13.7  | 338   | 3.12  | 8.3   | 1.8   | 3.9   | 4.9   | 19    | <0.1  | 0.5   | 0.1   | 71    | 0.18  |    |
| 11AN0517 | Soil              |             | 0.9    | 56.0  | 10.8  | 63    | <0.1  | 24.2  | 14.4  | 408   | 3.63  | 9.0   | 1.0   | 4.5   | 4.2   | 21    | 0.1   | 0.5   | 0.1   | 80    | 0.25  |    |
| 11AN0518 | Soil              |             | 1.3    | 17.9  | 10.6  | 68    | 0.1   | 18.9  | 12.0  | 343   | 3.92  | 9.7   | 0.4   | 3.4   | 2.9   | 13    | <0.1  | 0.5   | 0.2   | 94    | 0.15  |    |
| 11AN0519 | Soil              |             | 2.0    | 31.7  | 7.5   | 77    | 0.1   | 13.4  | 14.6  | 394   | 4.52  | 9.8   | 0.5   | 1.7   | 1.8   | 14    | <0.1  | 0.2   | 0.1   | 110   | 0.18  |    |
| 11AN0520 | Soil              |             | 2.7    | 31.5  | 8.6   | 77    | 0.2   | 13.9  | 15.8  | 757   | 3.91  | 5.4   | 1.0   | 2.1   | 2.0   | 20    | 0.1   | 0.2   | <0.1  | 93    | 0.54  |    |
| 11AN0521 | Soil              |             | 3.6    | 36.8  | 9.3   | 77    | 0.5   | 14.6  | 18.0  | 1022  | 3.88  | 5.2   | 1.5   | 2.6   | 1.7   | 28    | 0.2   | 0.2   | <0.1  | 88    | 0.70  |    |
| 11AN0522 | Soil              |             | 2.4    | 28.9  | 9.4   | 57    | 0.2   | 20.7  | 12.9  | 428   | 3.14  | 5.1   | 0.8   | 3.7   | 2.7   | 17    | <0.1  | 0.3   | <0.1  | 66    | 0.27  |    |
| 11AN0523 | Soil              |             | 2.9    | 23.0  | 12.7  | 62    | 0.3   | 13.8  | 9.2   | 369   | 3.30  | 4.7   | 0.7   | 26.2  | 2.3   | 20    | <0.1  | 0.2   | 0.1   | 71    | 0.24  |    |
| 11AN0524 | Soil              |             | 2.7    | 27.7  | 8.2   | 64    | 0.1   | 33.8  | 16.9  | 433   | 3.06  | 2.8   | 0.3   | 3.0   | 1.4   | 17    | 0.1   | 0.2   | <0.1  | 73    | 0.40  |    |
| 11AN0525 | Soil              |             | 1.9    | 23.8  | 7.5   | 78    | 0.2   | 21.3  | 13.0  | 441   | 2.97  | 3.6   | 0.6   | 2.2   | 2.3   | 20    | <0.1  | 0.1   | <0.1  | 66    | 0.42  |    |
| 11AN0526 | Soil              |             | 1.2    | 42.2  | 61.0  | 118   | 0.3   | 18.0  | 12.5  | 688   | 3.06  | 4.0   | 0.9   | 3.9   | 1.9   | 41    | 0.3   | 0.2   | 0.2   | 67    | 0.78  |    |
| 11AN0527 | Soil              |             | 0.5    | 49.6  | 8.4   | 74    | 0.1   | 114.9 | 21.0  | 615   | 3.52  | 4.0   | 1.6   | 1.7   | 6.6   | 141   | 0.1   | 0.2   | 0.1   | 81    | 1.18  |    |



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Project: None Given  
Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11AN0498 | Soil                             | 0.034 | 9     | 27    | 0.63  | 109   | 0.132 | 1     | 2.00  | 0.009 | 0.15  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 8     | 0.8   | <0.2  |
| 11AN0499 | Soil                             | 0.029 | 9     | 35    | 0.70  | 156   | 0.132 | 1     | 2.70  | 0.009 | 0.09  | 0.2   | 0.02  | 4.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0500 | Soil                             | 0.023 | 9     | 31    | 0.57  | 114   | 0.162 | <1    | 1.72  | 0.008 | 0.08  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05 | 11    | 0.8   | <0.2  |
| 11AN0501 | Soil                             | 0.022 | 9     | 24    | 0.46  | 100   | 0.148 | <1    | 1.51  | 0.008 | 0.07  | 0.1   | 0.01  | 3.9   | <0.1  | <0.05 | 10    | 0.6   | <0.2  |
| 11AN0502 | Soil                             | 0.031 | 11    | 33    | 0.77  | 192   | 0.131 | 1     | 2.36  | 0.009 | 0.15  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 7     | 0.7   | <0.2  |
| 11AN0503 | Soil                             | 0.030 | 10    | 20    | 0.39  | 131   | 0.123 | <1    | 1.39  | 0.007 | 0.11  | <0.1  | 0.01  | 3.2   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11AN0504 | Soil                             | 0.092 | 74    | 55    | 0.87  | 712   | 0.115 | <1    | 4.48  | 0.013 | 0.25  | 0.2   | 0.10  | 15.8  | 0.2   | <0.05 | 12    | 0.7   | <0.2  |
| 11AN0505 | Soil                             | 0.041 | 13    | 33    | 0.69  | 197   | 0.108 | 1     | 2.29  | 0.009 | 0.10  | 0.2   | 0.01  | 4.7   | 0.1   | <0.05 | 7     | 1.1   | <0.2  |
| 11AN0506 | Soil                             | 0.038 | 12    | 30    | 1.09  | 188   | 0.187 | <1    | 2.50  | 0.009 | 0.31  | 0.1   | 0.02  | 7.0   | 0.2   | <0.05 | 9     | 0.8   | <0.2  |
| 11AN0507 | Soil                             | 0.057 | 11    | 17    | 0.79  | 175   | 0.130 | <1    | 1.53  | 0.010 | 0.27  | 0.2   | 0.01  | 5.3   | 0.2   | <0.05 | 7     | 0.7   | <0.2  |
| 11AN0508 | Soil                             | 0.073 | 18    | 20    | 0.76  | 164   | 0.137 | 1     | 1.49  | 0.008 | 0.36  | 0.2   | <0.01 | 5.3   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11AN0509 | Soil                             | 0.080 | 12    | 32    | 0.90  | 292   | 0.117 | <1    | 1.92  | 0.013 | 0.13  | 0.2   | 0.04  | 5.5   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11AN0510 | Soil                             | 0.070 | 15    | 29    | 0.91  | 282   | 0.132 | <1    | 1.87  | 0.012 | 0.14  | 0.1   | 0.03  | 5.8   | 0.1   | <0.05 | 6     | 0.9   | <0.2  |
| 11AN0511 | Soil                             | 0.076 | 10    | 29    | 0.94  | 254   | 0.136 | <1    | 1.85  | 0.015 | 0.16  | <0.1  | 0.01  | 4.6   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11AN0512 | Soil                             | 0.070 | 12    | 30    | 0.83  | 287   | 0.126 | 1     | 1.92  | 0.016 | 0.09  | <0.1  | 0.03  | 4.9   | <0.1  | <0.05 | 6     | 1.0   | <0.2  |
| 11AN0513 | Soil                             | 0.085 | 13    | 30    | 0.88  | 310   | 0.144 | <1    | 1.98  | 0.016 | 0.19  | 0.1   | 0.03  | 5.3   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11AN0514 | Soil                             | 0.084 | 12    | 27    | 0.93  | 275   | 0.130 | <1    | 1.86  | 0.015 | 0.19  | 0.1   | 0.03  | 5.0   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11AN0515 | Soil                             | 0.090 | 12    | 37    | 0.82  | 271   | 0.099 | <1    | 1.73  | 0.015 | 0.07  | 0.2   | 0.04  | 4.5   | <0.1  | <0.05 | 6     | 0.9   | <0.2  |
| 11AN0516 | Soil                             | 0.030 | 19    | 38    | 0.82  | 305   | 0.099 | <1    | 2.26  | 0.014 | 0.13  | 0.1   | 0.04  | 6.7   | 0.2   | <0.05 | 6     | 0.9   | <0.2  |
| 11AN0517 | Soil                             | 0.031 | 23    | 41    | 0.90  | 253   | 0.108 | <1    | 2.29  | 0.017 | 0.07  | <0.1  | 0.04  | 7.7   | 0.1   | <0.05 | 7     | 1.0   | <0.2  |
| 11AN0518 | Soil                             | 0.036 | 8     | 43    | 1.03  | 221   | 0.110 | <1    | 2.54  | 0.010 | 0.14  | 0.1   | 0.02  | 4.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0519 | Soil                             | 0.052 | 7     | 36    | 1.39  | 207   | 0.157 | <1    | 2.33  | 0.020 | 0.26  | 0.1   | 0.01  | 6.2   | 0.2   | <0.05 | 9     | 0.9   | <0.2  |
| 11AN0520 | Soil                             | 0.089 | 10    | 32    | 1.14  | 396   | 0.169 | <1    | 2.20  | 0.018 | 0.30  | 0.1   | 0.02  | 5.9   | 0.2   | <0.05 | 8     | 0.7   | <0.2  |
| 11AN0521 | Soil                             | 0.093 | 12    | 32    | 1.10  | 491   | 0.148 | 1     | 2.19  | 0.018 | 0.29  | <0.1  | 0.04  | 6.3   | 0.2   | <0.05 | 7     | 0.7   | <0.2  |
| 11AN0522 | Soil                             | 0.050 | 10    | 42    | 0.95  | 246   | 0.120 | <1    | 1.81  | 0.013 | 0.10  | 0.1   | 0.03  | 4.3   | 0.1   | <0.05 | 6     | 0.9   | <0.2  |
| 11AN0523 | Soil                             | 0.056 | 11    | 29    | 0.84  | 315   | 0.142 | <1    | 1.85  | 0.019 | 0.14  | 0.1   | 0.01  | 4.6   | 0.1   | 0.10  | 6     | <0.5  | <0.2  |
| 11AN0524 | Soil                             | 0.086 | 6     | 82    | 1.55  | 202   | 0.154 | <1    | 2.10  | 0.020 | 0.21  | <0.1  | <0.01 | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0525 | Soil                             | 0.075 | 10    | 48    | 1.21  | 298   | 0.144 | <1    | 1.94  | 0.021 | 0.21  | <0.1  | 0.02  | 5.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0526 | Soil                             | 0.083 | 13    | 31    | 0.92  | 427   | 0.119 | <1    | 1.73  | 0.015 | 0.20  | 0.1   | 0.03  | 5.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0527 | Soil                             | 0.327 | 39    | 146   | 2.42  | 1046  | 0.221 | <1    | 2.24  | 0.026 | 0.25  | <0.1  | 0.02  | 7.5   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |



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Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method | Analyte | Unit | MDL | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |      |   |
|----------|--------|---------|------|-----|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|---|
|          |        |         |      |     | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V    | Ca   |   |
|          |        |         |      |     | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm  | % |
|          |        |         |      |     | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2    | 0.01 |   |
| 11AN0528 | Soil   |         |      |     | 0.5    | 8.6   | 6.8   | 64    | <0.1  | 10.6  | 12.3  | 340   | 2.97  | 4.6   | 0.4   | <0.5  | 2.6   | 12    | <0.1  | 0.2   | 0.1   | 78    | 0.22 |      |   |
| 11AN0529 | Soil   |         |      |     | 1.1    | 16.4  | 9.5   | 64    | <0.1  | 15.1  | 9.2   | 321   | 3.36  | 6.7   | 0.4   | 2.0   | 3.0   | 19    | <0.1  | 0.4   | 0.1   | 73    | 0.29 |      |   |
| 11AN0530 | Soil   |         |      |     | 0.9    | 20.7  | 9.2   | 64    | <0.1  | 16.1  | 11.3  | 397   | 3.05  | 6.4   | 0.6   | 2.8   | 4.1   | 20    | <0.1  | 0.3   | 0.1   | 73    | 0.26 |      |   |
| 11AN0531 | Soil   |         |      |     | 0.4    | 21.3  | 4.3   | 87    | <0.1  | 11.8  | 16.6  | 681   | 3.45  | 3.1   | 0.4   | 0.6   | 2.5   | 17    | <0.1  | 0.1   | <0.1  | 93    | 0.39 |      |   |
| 11AN0532 | Soil   |         |      |     | 0.8    | 20.6  | 6.8   | 68    | <0.1  | 15.4  | 11.5  | 406   | 3.59  | 6.4   | 0.5   | 0.8   | 3.9   | 14    | <0.1  | 0.3   | 0.1   | 81    | 0.16 |      |   |
| 11AN0533 | Soil   |         |      |     | 0.8    | 16.3  | 8.1   | 73    | <0.1  | 15.9  | 10.3  | 470   | 3.47  | 5.7   | 0.5   | 7.6   | 4.1   | 21    | <0.1  | 0.2   | 0.1   | 78    | 0.23 |      |   |
| 11AN0534 | Soil   |         |      |     | 0.7    | 17.6  | 8.5   | 68    | <0.1  | 24.3  | 12.5  | 461   | 3.30  | 4.5   | 0.5   | 6.5   | 2.8   | 25    | <0.1  | 0.2   | 0.1   | 83    | 0.33 |      |   |
| 11AN0535 | Soil   |         |      |     | 1.1    | 23.7  | 9.0   | 72    | <0.1  | 19.3  | 10.9  | 333   | 3.49  | 8.9   | 0.5   | 1.1   | 3.1   | 16    | <0.1  | 0.5   | 0.1   | 74    | 0.18 |      |   |
| 11AN0536 | Soil   |         |      |     | 0.4    | 22.6  | 5.6   | 90    | <0.1  | 11.7  | 14.3  | 528   | 3.87  | 3.6   | 0.3   | <0.5  | 1.2   | 47    | <0.1  | 0.1   | <0.1  | 84    | 0.47 |      |   |
| 11AN0537 | Soil   |         |      |     | 0.8    | 14.2  | 9.5   | 86    | 0.1   | 15.3  | 13.1  | 842   | 3.20  | 6.4   | 0.4   | 0.7   | 2.1   | 35    | 0.1   | 0.3   | 0.1   | 69    | 0.35 |      |   |
| 11AN0538 | Soil   |         |      |     | <0.1   | 2.6   | 3.4   | 10    | <0.1  | 2.2   | 2.4   | 36    | 1.67  | 0.8   | 1.1   | 3.1   | 6.1   | 9     | <0.1  | <0.1  | <0.1  | 21    | 0.23 |      |   |
| 11AN0539 | Soil   |         |      |     | 1.1    | 17.4  | 9.9   | 54    | <0.1  | 11.6  | 7.5   | 371   | 2.69  | 6.5   | 0.4   | <0.5  | 2.3   | 20    | 0.1   | 0.3   | 0.3   | 42    | 0.36 |      |   |
| 11TB1203 | Soil   |         |      |     | 0.5    | 16.4  | 5.0   | 78    | 0.1   | 15.2  | 11.7  | 432   | 2.62  | 4.0   | 0.7   | 1.9   | 2.4   | 20    | 0.2   | 0.2   | <0.1  | 56    | 0.41 |      |   |
| 11TB1204 | Soil   |         |      |     | 0.5    | 12.5  | 6.4   | 76    | 0.1   | 14.3  | 9.4   | 261   | 2.55  | 5.0   | 0.7   | 4.1   | 2.2   | 17    | 0.1   | 0.2   | 0.1   | 59    | 0.25 |      |   |
| 11TB1205 | Soil   |         |      |     | 0.4    | 18.8  | 5.1   | 86    | 0.2   | 15.7  | 11.7  | 424   | 2.67  | 3.6   | 0.9   | 2.3   | 3.0   | 20    | 0.1   | 0.2   | 0.1   | 60    | 0.37 |      |   |
| 11TB1206 | Soil   |         |      |     | 0.4    | 12.1  | 3.4   | 93    | <0.1  | 19.0  | 14.9  | 587   | 2.79  | 3.0   | 0.5   | 1.0   | 2.7   | 18    | 0.1   | 0.2   | <0.1  | 68    | 0.35 |      |   |
| 11TB1207 | Soil   |         |      |     | 0.4    | 8.8   | 4.5   | 83    | <0.1  | 14.7  | 10.9  | 493   | 2.28  | 3.4   | 0.7   | 1.7   | 2.9   | 14    | 0.1   | 0.2   | <0.1  | 52    | 0.23 |      |   |
| 11TB1208 | Soil   |         |      |     | 0.5    | 7.1   | 4.1   | 81    | <0.1  | 12.3  | 10.8  | 533   | 2.25  | 3.7   | 0.5   | 2.7   | 3.1   | 13    | <0.1  | 0.2   | <0.1  | 50    | 0.20 |      |   |
| 11TB1209 | Soil   |         |      |     | 0.4    | 8.1   | 4.8   | 80    | <0.1  | 14.6  | 9.4   | 374   | 2.14  | 3.0   | 0.5   | 4.0   | 2.8   | 15    | 0.1   | 0.2   | <0.1  | 49    | 0.20 |      |   |
| 11TB1210 | Soil   |         |      |     | 0.6    | 14.4  | 5.3   | 90    | 0.1   | 17.7  | 11.7  | 541   | 2.80  | 3.6   | 0.8   | 1.9   | 2.2   | 18    | 0.1   | 0.2   | 0.1   | 63    | 0.22 |      |   |
| 11TB1211 | Soil   |         |      |     | 0.6    | 18.5  | 5.2   | 82    | <0.1  | 13.2  | 9.4   | 445   | 2.81  | 3.9   | 0.6   | 11.6  | 2.9   | 15    | 0.1   | 0.2   | 0.1   | 58    | 0.19 |      |   |
| 11TB1212 | Soil   |         |      |     | 0.4    | 19.5  | 5.1   | 78    | 0.1   | 13.4  | 9.3   | 592   | 2.54  | 3.4   | 0.8   | 9.4   | 2.7   | 24    | 0.1   | 0.2   | <0.1  | 56    | 0.38 |      |   |
| 11TB1213 | Soil   |         |      |     | 0.7    | 28.0  | 6.6   | 83    | 0.1   | 17.2  | 9.5   | 471   | 2.92  | 5.0   | 1.1   | 5.3   | 3.0   | 24    | 0.2   | 0.2   | 0.1   | 61    | 0.31 |      |   |
| 11TB1214 | Soil   |         |      |     | 0.7    | 27.8  | 6.6   | 80    | 0.1   | 15.5  | 10.9  | 456   | 3.20  | 5.0   | 1.1   | 3.5   | 3.2   | 17    | 0.1   | 0.3   | 0.2   | 68    | 0.19 |      |   |
| 11TB1215 | Soil   |         |      |     | 0.7    | 17.7  | 5.2   | 77    | <0.1  | 14.4  | 9.0   | 366   | 3.16  | 4.3   | 0.7   | 1.1   | 3.3   | 13    | <0.1  | 0.3   | 0.1   | 75    | 0.14 |      |   |
| 11TB1216 | Soil   |         |      |     | 0.6    | 15.6  | 4.6   | 75    | <0.1  | 13.0  | 9.1   | 453   | 2.78  | 3.6   | 0.7   | 1.6   | 3.3   | 14    | 0.1   | 0.2   | 0.1   | 63    | 0.20 |      |   |
| 11TB1217 | Soil   |         |      |     | 0.5    | 13.9  | 5.6   | 79    | <0.1  | 17.6  | 10.8  | 473   | 2.96  | 5.5   | 0.8   | 1.7   | 4.1   | 14    | 0.1   | 0.3   | 0.1   | 58    | 0.19 |      |   |
| 11TB1218 | Soil   |         |      |     | 0.7    | 14.2  | 5.9   | 89    | <0.1  | 14.6  | 10.7  | 598   | 3.24  | 5.3   | 0.5   | 1.0   | 3.5   | 14    | 0.1   | 0.4   | 0.2   | 70    | 0.19 |      |   |
| 11TB1219 | Soil   |         |      |     | 0.6    | 14.1  | 5.2   | 85    | <0.1  | 14.3  | 12.9  | 539   | 3.40  | 4.9   | 0.5   | 1.4   | 3.1   | 13    | <0.1  | 0.3   | 0.1   | 75    | 0.18 |      |   |
| 11TB1220 | Soil   |         |      |     | 0.5    | 20.8  | 5.4   | 85    | 0.1   | 10.2  | 10.3  | 324   | 2.98  | 3.6   | 0.7   | 4.9   | 0.7   | 16    | 0.2   | 0.2   | <0.1  | 89    | 0.27 |      |   |



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Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.01  | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11AN0528 | Soil                             | 0.058 | 11    | 22    | 1.10  | 225   | 0.130 | <1    | 1.97  | 0.009 | 0.24  | <0.1  | 0.01  | 8.0   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11AN0529 | Soil                             | 0.030 | 12    | 28    | 0.84  | 229   | 0.121 | <1    | 2.02  | 0.011 | 0.17  | 0.1   | 0.02  | 6.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0530 | Soil                             | 0.041 | 16    | 29    | 0.86  | 225   | 0.120 | 1     | 2.06  | 0.014 | 0.13  | 0.1   | 0.02  | 6.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0531 | Soil                             | 0.077 | 11    | 22    | 1.40  | 284   | 0.131 | <1    | 2.07  | 0.010 | 0.19  | <0.1  | <0.01 | 9.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0532 | Soil                             | 0.048 | 10    | 29    | 0.94  | 208   | 0.142 | <1    | 2.21  | 0.011 | 0.24  | <0.1  | 0.02  | 6.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0533 | Soil                             | 0.055 | 12    | 33    | 1.00  | 387   | 0.152 | <1    | 2.07  | 0.013 | 0.29  | 0.1   | <0.01 | 6.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0534 | Soil                             | 0.073 | 13    | 40    | 1.34  | 342   | 0.153 | <1    | 2.02  | 0.014 | 0.15  | <0.1  | <0.01 | 6.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0535 | Soil                             | 0.031 | 8     | 33    | 0.84  | 249   | 0.141 | <1    | 2.55  | 0.014 | 0.13  | 0.1   | 0.02  | 4.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0536 | Soil                             | 0.056 | 4     | 29    | 1.59  | 405   | 0.307 | <1    | 3.04  | 0.013 | 0.91  | <0.1  | <0.01 | 2.2   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0537 | Soil                             | 0.053 | 8     | 27    | 0.69  | 383   | 0.091 | <1    | 2.13  | 0.014 | 0.08  | 0.1   | <0.01 | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0538 | Soil                             | 0.024 | 22    | 2     | 0.10  | 308   | 0.005 | <1    | 0.64  | 0.008 | 0.12  | <0.1  | <0.01 | 1.8   | <0.1  | <0.05 | 1     | <0.5  | <0.2  |
| 11AN0539 | Soil                             | 0.045 | 8     | 17    | 0.60  | 270   | 0.038 | <1    | 1.84  | 0.009 | 0.21  | <0.1  | <0.01 | 2.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB1203 | Soil                             | 0.081 | 11    | 26    | 0.91  | 222   | 0.124 | <1    | 1.88  | 0.015 | 0.19  | <0.1  | 0.03  | 5.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1204 | Soil                             | 0.047 | 10    | 25    | 0.77  | 179   | 0.118 | <1    | 1.89  | 0.013 | 0.09  | 0.1   | 0.03  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1205 | Soil                             | 0.070 | 15    | 28    | 0.99  | 273   | 0.133 | <1    | 2.12  | 0.014 | 0.21  | 0.1   | 0.03  | 5.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1206 | Soil                             | 0.089 | 12    | 31    | 1.39  | 268   | 0.162 | <1    | 2.03  | 0.015 | 0.37  | <0.1  | <0.01 | 5.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1207 | Soil                             | 0.057 | 13    | 28    | 1.12  | 205   | 0.131 | <1    | 1.98  | 0.012 | 0.27  | <0.1  | 0.02  | 5.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1208 | Soil                             | 0.049 | 11    | 22    | 1.00  | 163   | 0.139 | <1    | 1.77  | 0.010 | 0.23  | 0.1   | 0.01  | 4.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1209 | Soil                             | 0.049 | 10    | 24    | 0.89  | 180   | 0.136 | <1    | 1.80  | 0.013 | 0.25  | 0.1   | 0.02  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1210 | Soil                             | 0.054 | 11    | 30    | 0.89  | 313   | 0.158 | <1    | 2.21  | 0.012 | 0.29  | 0.1   | 0.02  | 5.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1211 | Soil                             | 0.041 | 10    | 22    | 0.73  | 179   | 0.162 | <1    | 1.82  | 0.012 | 0.24  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1212 | Soil                             | 0.055 | 12    | 23    | 0.70  | 283   | 0.143 | <1    | 1.77  | 0.014 | 0.24  | 0.1   | 0.03  | 4.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1213 | Soil                             | 0.051 | 14    | 29    | 0.69  | 289   | 0.140 | <1    | 2.20  | 0.013 | 0.18  | 0.1   | 0.03  | 5.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1214 | Soil                             | 0.046 | 13    | 27    | 0.75  | 231   | 0.160 | 1     | 2.38  | 0.012 | 0.23  | 0.1   | 0.03  | 5.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1215 | Soil                             | 0.033 | 12    | 26    | 0.84  | 172   | 0.185 | <1    | 2.03  | 0.011 | 0.24  | 0.1   | 0.01  | 5.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1216 | Soil                             | 0.047 | 12    | 25    | 0.79  | 219   | 0.157 | <1    | 1.79  | 0.011 | 0.31  | 0.1   | 0.02  | 5.3   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1217 | Soil                             | 0.045 | 13    | 31    | 0.77  | 207   | 0.142 | <1    | 2.10  | 0.012 | 0.17  | 0.1   | 0.01  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1218 | Soil                             | 0.051 | 14    | 26    | 0.84  | 221   | 0.161 | <1    | 2.19  | 0.013 | 0.30  | 0.1   | <0.01 | 5.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1219 | Soil                             | 0.043 | 11    | 30    | 0.91  | 196   | 0.161 | <1    | 2.28  | 0.013 | 0.33  | 0.1   | 0.01  | 5.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1220 | Soil                             | 0.073 | 11    | 20    | 1.16  | 248   | 0.128 | <1    | 1.98  | 0.018 | 0.42  | <0.1  | 0.02  | 4.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |



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Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11TB1221 | Soil                             |        | 0.4   | 24.9  | 4.6   | 69    | 0.2   | 7.7   | 7.7   | 249   | 2.35  | 2.2   | 0.8   | 1.2   | 0.4   | 14    | 0.2   | 0.1   | <0.1  | 57    | 0.19  |
| 11TB1222 | Soil                             |        | 0.5   | 14.1  | 4.2   | 102   | 0.1   | 7.4   | 13.7  | 422   | 3.83  | 3.2   | 0.7   | 1.9   | 2.3   | 18    | 0.1   | 0.1   | 0.2   | 111   | 0.39  |
| 11TB1223 | Soil                             |        | 0.5   | 13.8  | 6.9   | 104   | <0.1  | 13.1  | 8.2   | 329   | 2.52  | 4.9   | 0.6   | 1.3   | 2.4   | 20    | 0.1   | 0.3   | 0.1   | 58    | 0.28  |
| 11TB1224 | Soil                             |        | 1.0   | 14.8  | 7.4   | 67    | <0.1  | 12.2  | 9.5   | 392   | 3.72  | 7.1   | 0.5   | 1.6   | 2.9   | 10    | <0.1  | 0.3   | 0.2   | 82    | 0.12  |
| 11TB1225 | Soil                             |        | 1.0   | 16.5  | 5.8   | 82    | <0.1  | 14.5  | 12.1  | 440   | 3.72  | 6.0   | 0.4   | 4.2   | 2.5   | 10    | 0.1   | 0.3   | 0.2   | 86    | 0.17  |
| 11TB1226 | Soil                             |        | 1.2   | 14.4  | 8.5   | 63    | <0.1  | 14.8  | 10.4  | 397   | 3.71  | 8.5   | 0.4   | 1.8   | 2.7   | 11    | <0.1  | 0.4   | 0.2   | 86    | 0.12  |
| 11TB1227 | Soil                             |        | 0.8   | 14.6  | 7.2   | 81    | <0.1  | 15.8  | 12.2  | 458   | 3.50  | 6.6   | 0.4   | 2.5   | 3.7   | 12    | <0.1  | 0.3   | 0.1   | 77    | 0.16  |
| 11TB1228 | Soil                             |        | 0.9   | 14.6  | 7.8   | 68    | <0.1  | 14.5  | 10.4  | 434   | 3.22  | 7.6   | 0.6   | 2.5   | 4.0   | 12    | 0.1   | 0.4   | 0.2   | 77    | 0.16  |
| 11TB1229 | Soil                             |        | 0.9   | 13.8  | 8.7   | 59    | <0.1  | 11.3  | 8.1   | 363   | 2.87  | 7.0   | 0.5   | 1.9   | 3.4   | 13    | 0.1   | 0.3   | 0.2   | 74    | 0.16  |
| 11TB1230 | Soil                             |        | 0.9   | 16.4  | 8.7   | 66    | 0.1   | 15.5  | 8.8   | 304   | 3.34  | 7.6   | 0.7   | 5.3   | 4.6   | 15    | <0.1  | 0.3   | 0.2   | 76    | 0.18  |
| 11TB1231 | Soil                             |        | 0.5   | 19.1  | 6.0   | 79    | 0.1   | 14.6  | 12.2  | 407   | 2.67  | 4.7   | 0.8   | 3.3   | 3.3   | 19    | 0.2   | 0.3   | <0.1  | 59    | 0.35  |
| 11TB1232 | Soil                             |        | 0.5   | 18.2  | 6.2   | 75    | 0.1   | 15.2  | 10.1  | 303   | 2.57  | 4.5   | 0.6   | 2.8   | 2.3   | 20    | <0.1  | 0.3   | 0.1   | 60    | 0.35  |
| 11TB1233 | Soil                             |        | 0.5   | 19.6  | 6.2   | 73    | 0.2   | 13.6  | 9.3   | 270   | 2.63  | 4.6   | 0.7   | 2.1   | 2.1   | 18    | 0.1   | 0.3   | 0.1   | 63    | 0.27  |
| 11TB1234 | Soil                             |        | 0.6   | 22.5  | 7.0   | 70    | 0.1   | 14.5  | 11.7  | 355   | 2.86  | 5.3   | 0.8   | 2.6   | 2.9   | 29    | 0.2   | 0.3   | 0.1   | 72    | 0.38  |
| 11TB1235 | Soil                             |        | 0.6   | 14.0  | 3.9   | 96    | <0.1  | 13.0  | 13.5  | 496   | 3.30  | 1.7   | 0.5   | 3.2   | 1.8   | 24    | 0.2   | 0.1   | <0.1  | 74    | 0.56  |
| 11TB1236 | Soil                             |        | 0.7   | 19.3  | 5.6   | 81    | <0.1  | 18.7  | 13.5  | 457   | 3.15  | 4.2   | 0.7   | 3.5   | 3.0   | 23    | 0.1   | 0.2   | <0.1  | 62    | 0.43  |
| 11TB1237 | Soil                             |        | 1.0   | 17.7  | 5.9   | 66    | 0.1   | 16.9  | 11.4  | 370   | 2.51  | 3.0   | 0.5   | 5.9   | 1.5   | 19    | 0.1   | 0.2   | <0.1  | 63    | 0.39  |
| 11TB1238 | Soil                             |        | 1.3   | 49.8  | 6.8   | 54    | 0.1   | 32.1  | 13.7  | 326   | 2.66  | 4.9   | 0.5   | 14.1  | 2.1   | 15    | <0.1  | 0.2   | <0.1  | 71    | 0.28  |
| 11TB1239 | Soil                             |        | 1.2   | 32.9  | 8.0   | 50    | 0.2   | 27.9  | 11.2  | 216   | 2.76  | 6.5   | 0.4   | 3.5   | 1.8   | 15    | <0.1  | 0.3   | <0.1  | 76    | 0.21  |
| 11TB1240 | Soil                             |        | 0.7   | 22.1  | 6.1   | 77    | 0.1   | 29.4  | 14.9  | 490   | 2.89  | 5.9   | 0.3   | 1.0   | 1.6   | 12    | 0.1   | 0.3   | <0.1  | 81    | 0.21  |
| 11TB1241 | Soil                             |        | 0.5   | 27.9  | 5.7   | 69    | 0.1   | 33.5  | 16.8  | 402   | 2.84  | 5.4   | 0.3   | 1.5   | 1.4   | 11    | <0.1  | 0.3   | <0.1  | 81    | 0.20  |
| 11TB1242 | Soil                             |        | 1.0   | 13.2  | 8.2   | 67    | 0.2   | 14.8  | 9.0   | 433   | 2.70  | 8.5   | 0.3   | 0.7   | 2.5   | 17    | 0.1   | 0.4   | 0.2   | 70    | 0.21  |
| 11TB1243 | Soil                             |        | 0.7   | 27.7  | 5.1   | 96    | 0.1   | 16.1  | 11.8  | 539   | 2.31  | 7.8   | 0.5   | 5.7   | 3.9   | 13    | <0.1  | 0.4   | <0.1  | 59    | 0.18  |
| 11TB1244 | Soil                             |        | 1.9   | 28.1  | 6.7   | 80    | 0.3   | 17.8  | 14.9  | 654   | 2.83  | 6.2   | 1.1   | 2.1   | 2.2   | 23    | 0.1   | 0.2   | <0.1  | 71    | 0.50  |
| 11TB1245 | Soil                             |        | 1.2   | 24.5  | 7.4   | 67    | 0.3   | 16.5  | 10.4  | 444   | 2.45  | 5.2   | 0.9   | 12.8  | 3.0   | 19    | 0.1   | 0.2   | <0.1  | 62    | 0.31  |
| 11TB1246 | Soil                             |        | 2.2   | 26.9  | 16.5  | 71    | 0.3   | 15.1  | 10.6  | 420   | 2.85  | 4.6   | 1.0   | 7.0   | 2.9   | 19    | 0.2   | 0.3   | 0.1   | 59    | 0.30  |
| 11TB1247 | Soil                             |        | 1.3   | 26.0  | 8.9   | 76    | 0.2   | 15.0  | 10.9  | 503   | 2.89  | 4.4   | 0.8   | 1.6   | 2.7   | 17    | 0.2   | 0.2   | <0.1  | 66    | 0.37  |
| 11TB1248 | Soil                             |        | 0.6   | 15.4  | 4.0   | 71    | <0.1  | 18.7  | 13.2  | 437   | 2.98  | 3.2   | 0.5   | 3.2   | 3.0   | 20    | 0.1   | 0.2   | <0.1  | 68    | 0.39  |
| 11TB1249 | Soil                             |        | 0.8   | 14.9  | 6.7   | 60    | <0.1  | 23.8  | 9.4   | 299   | 2.85  | 4.6   | 0.5   | 0.6   | 2.8   | 17    | <0.1  | 0.2   | 0.1   | 74    | 0.26  |
| 11TB1250 | Soil                             |        | 0.6   | 14.7  | 4.9   | 84    | <0.1  | 10.6  | 11.4  | 418   | 3.33  | 3.3   | 0.5   | 1.6   | 2.4   | 21    | <0.1  | 0.2   | <0.1  | 74    | 0.37  |





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Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11TB1221 | Soil                             | 0.062 | 11    | 16    | 0.94  | 284   | 0.088 | <1    | 1.64  | 0.017 | 0.38  | <0.1  | 0.03  | 3.6   | 0.1   | 0.05  | 7     | <0.5  | <0.2  |
| 11TB1222 | Soil                             | 0.127 | 12    | 14    | 1.66  | 381   | 0.224 | 1     | 2.78  | 0.016 | 0.72  | 0.1   | 0.02  | 9.3   | 0.3   | <0.05 | 11    | <0.5  | <0.2  |
| 11TB1223 | Soil                             | 0.055 | 11    | 25    | 0.72  | 174   | 0.122 | 1     | 1.71  | 0.016 | 0.20  | 0.1   | 0.01  | 3.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1224 | Soil                             | 0.042 | 13    | 24    | 0.73  | 155   | 0.167 | <1    | 2.09  | 0.009 | 0.19  | 0.2   | 0.02  | 5.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1225 | Soil                             | 0.046 | 8     | 36    | 1.04  | 138   | 0.181 | 1     | 2.45  | 0.012 | 0.27  | 0.2   | 0.03  | 4.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1226 | Soil                             | 0.032 | 8     | 31    | 0.65  | 154   | 0.141 | <1    | 2.43  | 0.008 | 0.09  | 0.1   | 0.01  | 4.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1227 | Soil                             | 0.042 | 10    | 28    | 0.86  | 161   | 0.166 | 1     | 2.49  | 0.011 | 0.18  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1228 | Soil                             | 0.034 | 13    | 27    | 0.79  | 180   | 0.159 | <1    | 2.24  | 0.011 | 0.13  | 0.2   | 0.02  | 5.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1229 | Soil                             | 0.035 | 12    | 23    | 0.66  | 151   | 0.150 | <1    | 1.89  | 0.011 | 0.13  | 0.1   | 0.02  | 4.6   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1230 | Soil                             | 0.034 | 14    | 31    | 0.72  | 201   | 0.124 | 1     | 2.48  | 0.011 | 0.08  | 0.1   | 0.03  | 5.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1231 | Soil                             | 0.075 | 13    | 26    | 0.89  | 255   | 0.123 | <1    | 1.81  | 0.013 | 0.13  | 0.1   | 0.03  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1232 | Soil                             | 0.067 | 11    | 26    | 0.73  | 222   | 0.115 | <1    | 1.63  | 0.014 | 0.10  | 0.1   | 0.03  | 4.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1233 | Soil                             | 0.053 | 11    | 25    | 0.77  | 227   | 0.118 | <1    | 1.71  | 0.015 | 0.08  | 0.1   | 0.03  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1234 | Soil                             | 0.072 | 12    | 29    | 0.81  | 299   | 0.121 | 1     | 1.94  | 0.017 | 0.07  | 0.1   | 0.03  | 5.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1235 | Soil                             | 0.184 | 9     | 27    | 1.26  | 463   | 0.199 | <1    | 2.15  | 0.014 | 0.75  | 0.2   | 0.02  | 4.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1236 | Soil                             | 0.106 | 13    | 30    | 0.86  | 290   | 0.123 | <1    | 1.80  | 0.018 | 0.17  | 0.1   | 0.02  | 5.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1237 | Soil                             | 0.085 | 10    | 35    | 0.72  | 250   | 0.085 | 1     | 1.57  | 0.017 | 0.06  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1238 | Soil                             | 0.051 | 9     | 66    | 1.16  | 179   | 0.136 | <1    | 1.79  | 0.016 | 0.17  | <0.1  | 0.01  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1239 | Soil                             | 0.044 | 8     | 64    | 0.97  | 177   | 0.118 | <1    | 2.05  | 0.015 | 0.07  | <0.1  | 0.02  | 3.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1240 | Soil                             | 0.045 | 6     | 71    | 1.35  | 252   | 0.122 | <1    | 1.98  | 0.014 | 0.16  | <0.1  | <0.01 | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1241 | Soil                             | 0.045 | 6     | 77    | 1.68  | 223   | 0.132 | <1    | 2.23  | 0.018 | 0.18  | <0.1  | <0.01 | 3.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1242 | Soil                             | 0.070 | 12    | 27    | 0.60  | 212   | 0.091 | <1    | 1.52  | 0.010 | 0.13  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1243 | Soil                             | 0.031 | 17    | 26    | 0.99  | 174   | 0.108 | <1    | 1.68  | 0.011 | 0.10  | 0.1   | 0.01  | 8.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1244 | Soil                             | 0.106 | 13    | 35    | 1.10  | 286   | 0.126 | <1    | 1.75  | 0.019 | 0.19  | 0.1   | 0.02  | 7.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1245 | Soil                             | 0.061 | 11    | 34    | 0.88  | 267   | 0.123 | <1    | 1.66  | 0.013 | 0.09  | 0.1   | 0.02  | 5.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1246 | Soil                             | 0.067 | 14    | 28    | 0.76  | 291   | 0.119 | <1    | 1.69  | 0.012 | 0.14  | 0.1   | 0.03  | 5.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11TB1247 | Soil                             | 0.077 | 14    | 31    | 0.79  | 312   | 0.117 | <1    | 1.65  | 0.015 | 0.15  | <0.1  | 0.02  | 6.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1248 | Soil                             | 0.087 | 12    | 31    | 1.16  | 302   | 0.119 | <1    | 1.85  | 0.012 | 0.12  | <0.1  | 0.01  | 6.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1249 | Soil                             | 0.044 | 12    | 41    | 0.93  | 229   | 0.158 | <1    | 1.73  | 0.012 | 0.14  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11TB1250 | Soil                             | 0.102 | 10    | 18    | 0.99  | 262   | 0.119 | <1    | 1.86  | 0.012 | 0.22  | <0.1  | 0.01  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |



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Project: None Given  
Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte | Unit<br>MDL | SS80   | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |      |
|----------|-------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
|          |                   |             | -80 Wt | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca   |
|          |                   |             | g      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %    |
|          |                   |             | 0      | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 0.1    | 1      | 0.01   | 0.5    | 0.1    | 0.5    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 2    |
| 11TB1251 | Soil              |             | 0.9    | 15.5   | 7.5    | 51     | 0.1    | 14.4   | 7.3    | 268    | 2.49   | 6.6    | 0.5    | 1.7    | 2.6    | 18     | <0.1   | 0.3    | 0.1    | 63     | 0.27   |      |
| 11TB1252 | Soil              |             | 0.8    | 20.4   | 7.6    | 63     | <0.1   | 14.5   | 10.0   | 327    | 2.87   | 7.2    | 0.6    | 2.5    | 3.5    | 18     | <0.1   | 0.3    | 0.1    | 65     | 0.26   |      |
| 11TB1253 | Soil              |             | 1.0    | 23.3   | 6.8    | 69     | 0.1    | 15.0   | 11.6   | 358    | 3.16   | 6.1    | 0.8    | 15.9   | 3.7    | 19     | <0.1   | 0.3    | 0.1    | 70     | 0.30   |      |
| 11TB1254 | Soil              |             | 0.8    | 21.0   | 8.0    | 54     | 0.2    | 11.8   | 11.1   | 327    | 2.63   | 4.8    | 0.8    | 11.5   | 2.5    | 21     | 0.1    | 0.2    | 0.1    | 65     | 0.29   |      |
| 11TB1255 | Soil              |             | 0.5    | 42.3   | 28.6   | 74     | <0.1   | 63.2   | 15.8   | 401    | 2.97   | 3.9    | 1.5    | 3.4    | 11.6   | 74     | <0.1   | 0.2    | 0.1    | 76     | 0.71   |      |
| 11TB1256 | Soil              |             | 1.1    | 26.9   | 8.7    | 40     | 0.4    | 9.4    | 14.0   | 622    | 2.37   | 4.7    | 0.6    | 3.8    | 2.3    | 21     | 0.1    | 0.3    | 0.2    | 65     | 0.29   |      |
| 11TB1257 | Soil              |             | 1.0    | 32.5   | 5.2    | 83     | 0.2    | 45.6   | 20.0   | 806    | 4.62   | 5.8    | 0.4    | 194.3  | 2.0    | 19     | 0.2    | 0.2    | <0.1   | 103    | 0.34   |      |
| 11TB1258 | Soil              |             | 1.1    | 22.3   | 24.7   | 85     | <0.1   | 12.8   | 8.0    | 326    | 3.28   | 9.2    | 0.6    | 3.0    | 3.7    | 14     | 0.2    | 0.4    | 0.1    | 44     | 0.15   |      |
| 11TB1259 | Soil              |             | 1.7    | 23.1   | 7.7    | 72     | <0.1   | 8.9    | 7.0    | 732    | 2.55   | 11.0   | 0.8    | 0.9    | 5.0    | 26     | 0.2    | 0.2    | 0.1    | 32     | 0.53   |      |
| 11TB1260 | Soil              |             | 0.8    | 26.8   | 7.7    | 66     | 0.1    | 18.7   | 13.0   | 669    | 3.31   | 7.5    | 0.5    | 3.4    | 3.7    | 26     | <0.1   | 0.4    | 0.1    | 59     | 0.54   |      |
| 11TB1261 | Soil              |             | 0.8    | 29.8   | 8.1    | 68     | 0.1    | 19.9   | 13.6   | 717    | 3.47   | 8.2    | 0.6    | 3.5    | 3.8    | 27     | <0.1   | 0.4    | 0.1    | 61     | 0.56   |      |
| 11DS1168 | Soil              |             | 0.5    | 15.8   | 3.8    | 100    | <0.1   | 11.8   | 15.6   | 547    | 3.15   | 3.3    | 0.5    | 113.8  | 2.7    | 18     | <0.1   | 0.2    | <0.1   | 73     | 0.47   |      |
| 11DS1169 | Soil              |             | 0.3    | 10.3   | 2.2    | 104    | <0.1   | 8.7    | 16.4   | 700    | 3.07   | 2.1    | 0.3    | 1.5    | 2.3    | 20     | <0.1   | 0.1    | <0.1   | 59     | 0.63   |      |
| 11DS1170 | Soil              |             | 0.4    | 19.1   | 4.4    | 84     | <0.1   | 16.6   | 12.7   | 473    | 2.99   | 4.4    | 0.6    | 5.0    | 3.0    | 21     | 0.2    | 0.3    | <0.1   | 66     | 0.46   |      |
| 11DS1171 | Soil              |             | 0.5    | 25.0   | 5.3    | 82     | <0.1   | 14.4   | 12.8   | 476    | 3.21   | 5.7    | 0.6    | 2.7    | 2.9    | 21     | 0.1    | 0.3    | <0.1   | 69     | 0.40   |      |
| 11DS1172 | Soil              |             | 0.4    | 21.5   | 4.8    | 81     | <0.1   | 16.6   | 14.7   | 443    | 3.02   | 4.2    | 0.6    | 2.9    | 2.6    | 26     | 0.1    | 0.3    | <0.1   | 74     | 0.49   |      |
| 11DS1173 | Soil              |             | 0.5    | 21.2   | 4.8    | 72     | 0.1    | 12.3   | 11.9   | 392    | 2.73   | 4.2    | 0.5    | 2.1    | 2.2    | 20     | <0.1   | 0.2    | <0.1   | 66     | 0.42   |      |
| 11DS1174 | Soil              |             | 0.3    | 28.9   | 3.7    | 70     | <0.1   | 12.1   | 14.7   | 451    | 3.30   | 3.3    | 0.3    | 5.5    | 1.5    | 37     | <0.1   | 0.2    | <0.1   | 86     | 0.54   |      |
| 11DS1175 | Soil              |             | 0.6    | 21.6   | 5.9    | 72     | 0.1    | 13.7   | 12.9   | 502    | 3.03   | 4.3    | 0.5    | 3.3    | 2.1    | 21     | 0.2    | 0.3    | 0.1    | 77     | 0.41   |      |
| 11DS1176 | Soil              |             | 1.0    | 21.1   | 4.3    | 107    | <0.1   | 12.3   | 10.1   | 637    | 3.46   | 2.7    | 0.7    | 3.1    | 3.7    | 19     | 0.1    | 0.1    | <0.1   | 54     | 0.42   |      |
| 11DS1177 | Soil              |             | 0.7    | 19.6   | 3.9    | 86     | <0.1   | 11.6   | 13.8   | 535    | 3.37   | 3.1    | 0.4    | 1.7    | 2.0    | 24     | <0.1   | 0.2    | <0.1   | 69     | 0.48   |      |
| 11DS1178 | Soil              |             | 0.7    | 20.0   | 5.6    | 86     | 0.2    | 15.0   | 12.0   | 504    | 3.32   | 3.9    | 0.7    | 4.2    | 2.8    | 22     | 0.2    | 0.2    | <0.1   | 64     | 0.41   |      |
| 11DS1179 | Soil              |             | 0.6    | 12.7   | 5.5    | 93     | 0.1    | 17.0   | 12.3   | 527    | 3.14   | 4.7    | 0.6    | 3.6    | 3.1    | 21     | 0.1    | 0.2    | <0.1   | 59     | 0.46   |      |
| 11DS1180 | Soil              |             | 0.8    | 17.4   | 9.9    | 112    | 0.2    | 16.9   | 13.5   | 1021   | 3.42   | 4.4    | 0.7    | 4.8    | 3.0    | 21     | 0.2    | 0.3    | 0.1    | 62     | 0.38   |      |
| 11DS1181 | Soil              |             | 0.7    | 18.3   | 9.1    | 108    | 0.2    | 16.3   | 12.4   | 942    | 3.22   | 4.1    | 0.7    | 4.3    | 2.8    | 21     | 0.2    | 0.2    | 0.1    | 57     | 0.39   |      |
| 11DS1182 | Soil              |             | 1.8    | 17.3   | 6.0    | 62     | <0.1   | 19.1   | 9.1    | 258    | 2.43   | 4.1    | 0.4    | 12.1   | 1.2    | 23     | <0.1   | 0.2    | <0.1   | 59     | 0.47   |      |
| 11DS1183 | Soil              |             | 1.4    | 26.9   | 5.8    | 77     | 0.1    | 20.9   | 15.0   | 560    | 2.98   | 4.5    | 0.8    | 20.2   | 2.4    | 35     | 0.2    | 0.2    | <0.1   | 64     | 0.72   |      |
| 11DS1184 | Soil              |             | 1.8    | 26.4   | 5.3    | 82     | <0.1   | 20.6   | 16.0   | 498    | 3.06   | 4.5    | 0.5    | 78.7   | 2.2    | 34     | 0.1    | 0.2    | <0.1   | 60     | 0.68   |      |
| 11DS1185 | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |      |
| 11DS1186 | Soil              |             |        | 1.6    | 16.3   | 6.4    | 76     | 0.2    | 15.3   | 9.6    | 247    | 2.66   | 3.3    | 0.6    | 9.5    | 1.5    | 21     | 0.1    | 0.2    | <0.1   | 56     | 0.42 |



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**Project:** None Given  
**Report Date:** October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | P      | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Tl     | S      | Ga     | Se     | Te     |
|          |                                  | %      | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 0.001  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11TB1251 | Soil                             | 0.042  | 10     | 26     | 0.53   | 231    | 0.080  | <1     | 1.57   | 0.013  | 0.10   | 0.1    | 0.02   | 3.3    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11TB1252 | Soil                             | 0.045  | 11     | 26     | 0.71   | 219    | 0.113  | 2      | 1.75   | 0.011  | 0.11   | 0.1    | 0.02   | 3.9    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB1253 | Soil                             | 0.064  | 13     | 26     | 0.77   | 298    | 0.118  | <1     | 1.80   | 0.012  | 0.14   | 0.2    | 0.02   | 4.5    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB1254 | Soil                             | 0.067  | 12     | 24     | 0.67   | 397    | 0.111  | <1     | 1.72   | 0.012  | 0.16   | 0.1    | 0.03   | 3.5    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11TB1255 | Soil                             | 0.204  | 36     | 104    | 1.65   | 661    | 0.168  | <1     | 2.07   | 0.019  | 0.20   | 0.1    | 0.01   | 3.8    | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11TB1256 | Soil                             | 0.080  | 9      | 24     | 0.44   | 252    | 0.097  | <1     | 1.40   | 0.015  | 0.11   | 0.1    | 0.02   | 2.9    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11TB1257 | Soil                             | 0.102  | 9      | 46     | 1.58   | 340    | 0.205  | <1     | 2.92   | 0.012  | 0.77   | 0.2    | 0.02   | 5.5    | 0.3    | <0.05  | 8      | <0.5   | <0.2   |
| 11TB1258 | Soil                             | 0.034  | 14     | 23     | 0.60   | 221    | 0.060  | 1      | 1.74   | 0.009  | 0.18   | <0.1   | 0.01   | 3.6    | <0.1   | <0.05  | 6      | 0.5    | <0.2   |
| 11TB1259 | Soil                             | 0.041  | 10     | 17     | 0.45   | 247    | 0.022  | 1      | 1.41   | 0.007  | 0.19   | <0.1   | <0.01  | 2.0    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11TB1260 | Soil                             | 0.061  | 16     | 28     | 0.71   | 613    | 0.065  | <1     | 1.66   | 0.015  | 0.14   | 0.1    | 0.02   | 6.6    | <0.1   | <0.05  | 6      | 0.6    | <0.2   |
| 11TB1261 | Soil                             | 0.060  | 18     | 30     | 0.72   | 659    | 0.069  | 2      | 1.70   | 0.016  | 0.14   | 0.1    | 0.03   | 7.2    | <0.1   | <0.05  | 6      | 0.5    | <0.2   |
| 11DS1168 | Soil                             | 0.114  | 11     | 21     | 1.35   | 311    | 0.171  | <1     | 1.99   | 0.015  | 0.43   | 0.1    | 0.01   | 7.0    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11DS1169 | Soil                             | 0.158  | 8      | 13     | 1.36   | 254    | 0.179  | <1     | 2.05   | 0.011  | 0.74   | <0.1   | <0.01  | 3.9    | 0.3    | <0.05  | 7      | <0.5   | <0.2   |
| 11DS1170 | Soil                             | 0.079  | 13     | 29     | 1.00   | 286    | 0.147  | <1     | 1.73   | 0.017  | 0.34   | 0.1    | 0.02   | 5.1    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11DS1171 | Soil                             | 0.084  | 13     | 25     | 0.90   | 292    | 0.139  | 1      | 1.72   | 0.016  | 0.29   | 0.1    | 0.03   | 5.2    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11DS1172 | Soil                             | 0.087  | 11     | 33     | 1.12   | 321    | 0.157  | <1     | 1.91   | 0.015  | 0.33   | 0.2    | 0.02   | 5.1    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11DS1173 | Soil                             | 0.080  | 9      | 24     | 0.84   | 254    | 0.129  | <1     | 1.62   | 0.016  | 0.20   | 0.2    | 0.02   | 4.1    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11DS1174 | Soil                             | 0.103  | 6      | 25     | 1.07   | 323    | 0.173  | 1      | 1.94   | 0.019  | 0.42   | 0.1    | 0.01   | 4.1    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11DS1175 | Soil                             | 0.068  | 9      | 26     | 0.82   | 291    | 0.134  | <1     | 1.86   | 0.014  | 0.11   | 0.1    | 0.02   | 4.3    | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11DS1176 | Soil                             | 0.096  | 22     | 29     | 0.89   | 313    | 0.164  | <1     | 1.74   | 0.013  | 0.56   | 0.1    | <0.01  | 5.6    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11DS1177 | Soil                             | 0.111  | 9      | 30     | 1.11   | 331    | 0.189  | 1      | 2.04   | 0.016  | 0.57   | 0.1    | <0.01  | 3.6    | 0.3    | <0.05  | 7      | <0.5   | <0.2   |
| 11DS1178 | Soil                             | 0.086  | 14     | 28     | 0.90   | 308    | 0.148  | <1     | 2.05   | 0.013  | 0.27   | 0.1    | 0.02   | 5.1    | 0.2    | <0.05  | 7      | 0.7    | <0.2   |
| 11DS1179 | Soil                             | 0.086  | 14     | 29     | 0.95   | 254    | 0.137  | <1     | 1.74   | 0.014  | 0.28   | 0.1    | 0.01   | 4.9    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11DS1180 | Soil                             | 0.097  | 15     | 28     | 0.83   | 380    | 0.132  | <1     | 1.91   | 0.012  | 0.20   | 0.2    | 0.04   | 5.5    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11DS1181 | Soil                             | 0.093  | 15     | 27     | 0.78   | 396    | 0.123  | 1      | 1.78   | 0.011  | 0.20   | 0.1    | 0.02   | 5.8    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11DS1182 | Soil                             | 0.085  | 7      | 37     | 0.81   | 157    | 0.067  | 1      | 1.56   | 0.020  | 0.05   | 0.1    | 0.03   | 3.7    | <0.1   | <0.05  | 5      | 0.7    | <0.2   |
| 11DS1183 | Soil                             | 0.101  | 15     | 34     | 0.86   | 308    | 0.094  | <1     | 1.58   | 0.016  | 0.09   | 0.1    | 0.02   | 4.7    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11DS1184 | Soil                             | 0.094  | 9      | 45     | 0.88   | 247    | 0.102  | <1     | 1.52   | 0.020  | 0.08   | 0.1    | 0.02   | 4.1    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11DS1185 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11DS1186 | Soil                             | 0.078  | 10     | 26     | 0.79   | 251    | 0.127  | 1      | 1.76   | 0.013  | 0.09   | 0.1    | 0.04   | 3.9    | 0.2    | <0.05  | 7      | 0.6    | <0.2   |



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Project: None Given  
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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     |
|          |                                  | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     |
| 11DS1187 | Soil                             |        | 2.2   | 15.9  | 6.4   | 64    | 0.2   | 13.1  | 10.1  | 358   | 2.79  | 3.3   | 0.4   | 2.2   | 1.4   | 20    | <0.1  | 0.2   | <0.1  | 75    |
| 11DS1188 | Soil                             |        | 2.3   | 14.2  | 7.0   | 82    | 0.1   | 12.4  | 15.7  | 550   | 3.33  | 3.6   | 0.4   | 2.1   | 1.4   | 36    | 0.1   | 0.1   | <0.1  | 84    |
| 11DS1189 | Soil                             |        | 2.3   | 18.6  | 6.5   | 90    | 0.1   | 14.7  | 18.4  | 667   | 3.66  | 6.2   | 0.4   | 3.8   | 1.6   | 29    | <0.1  | 0.2   | <0.1  | 88    |
| 11DS1190 | Soil                             |        | 1.4   | 22.2  | 6.9   | 88    | 0.2   | 17.6  | 14.8  | 471   | 3.35  | 3.2   | 0.5   | 6.4   | 1.9   | 41    | 0.1   | 0.1   | <0.1  | 70    |
| 11DS1191 | Soil                             |        | 1.8   | 19.7  | 14.4  | 115   | 0.2   | 19.2  | 16.8  | 652   | 3.68  | 4.3   | 0.5   | 4.7   | 2.3   | 32    | 0.1   | 0.2   | 0.1   | 83    |
| 11DS1192 | Soil                             |        | 1.6   | 27.0  | 13.8  | 107   | 0.2   | 18.4  | 14.8  | 530   | 3.81  | 6.2   | 0.9   | 10.7  | 4.2   | 28    | 0.2   | 0.2   | 0.1   | 75    |
| 11DS1193 | Soil                             |        | 1.5   | 23.9  | 10.8  | 85    | 0.3   | 13.5  | 13.3  | 341   | 3.33  | 5.0   | 0.8   | 5.1   | 2.5   | 35    | 0.2   | 0.2   | 0.1   | 85    |
| 11DS1194 | Soil                             |        | 1.3   | 27.4  | 10.8  | 84    | 0.4   | 16.5  | 17.6  | 517   | 3.17  | 3.8   | 1.2   | 15.4  | 2.7   | 29    | 0.2   | 0.2   | 0.1   | 82    |
| 11DS1195 | Soil                             |        | 1.5   | 14.7  | 8.8   | 72    | 0.2   | 13.1  | 9.2   | 179   | 2.52  | 3.8   | 1.0   | 5.8   | 1.9   | 22    | 0.1   | 0.3   | 0.1   | 59    |
| 11DS1196 | Soil                             |        | 1.3   | 18.0  | 8.8   | 62    | 0.2   | 11.3  | 7.9   | 211   | 2.30  | 4.0   | 1.1   | 3.0   | 1.6   | 21    | 0.2   | 0.1   | <0.1  | 49    |
| 11DS1197 | Soil                             |        | 1.5   | 19.3  | 12.2  | 80    | 0.2   | 17.0  | 12.2  | 323   | 2.75  | 4.8   | 0.8   | 5.5   | 1.7   | 23    | 0.1   | 0.2   | 0.1   | 64    |
| 11DS1198 | Soil                             |        | 1.1   | 22.2  | 8.4   | 64    | 0.2   | 17.8  | 11.9  | 287   | 2.50  | 4.2   | 0.8   | 4.5   | 1.3   | 22    | <0.1  | 0.2   | <0.1  | 61    |
| 11DS1199 | Soil                             |        | 0.2   | 28.6  | 2.4   | 140   | <0.1  | 10.7  | 21.2  | 477   | 3.55  | 1.7   | 0.5   | 0.6   | 2.7   | 17    | <0.1  | <0.1  | <0.1  | 100   |
| 11DS1200 | Soil                             |        | 0.6   | 14.8  | 5.9   | 88    | <0.1  | 14.3  | 11.5  | 519   | 2.83  | 4.8   | 0.9   | 2.5   | 3.5   | 17    | <0.1  | 0.3   | 0.1   | 58    |
| 11DS1201 | Soil                             |        | 0.6   | 14.7  | 6.4   | 83    | <0.1  | 15.9  | 12.1  | 552   | 2.71  | 4.5   | 1.0   | 4.0   | 4.3   | 19    | 0.1   | 0.3   | 0.2   | 60    |
| 11DS1202 | Soil                             |        | 0.4   | 19.7  | 4.6   | 109   | <0.1  | 15.5  | 17.7  | 576   | 3.09  | 3.3   | 0.8   | 1.4   | 2.8   | 18    | 0.1   | 0.2   | 0.1   | 86    |
| 11DS1203 | Soil                             |        | 0.3   | 8.6   | 3.9   | 79    | <0.1  | 11.9  | 10.3  | 565   | 2.09  | 2.8   | 0.8   | 4.2   | 4.2   | 15    | <0.1  | 0.2   | <0.1  | 43    |
| 11DS1204 | Soil                             |        | 0.5   | 7.9   | 4.2   | 87    | <0.1  | 11.5  | 12.9  | 739   | 2.43  | 3.1   | 0.7   | 1.1   | 3.2   | 15    | <0.1  | 0.2   | 0.1   | 52    |
| 11DS1205 | Soil                             |        | 0.4   | 9.1   | 4.5   | 93    | <0.1  | 11.9  | 11.3  | 566   | 2.36  | 2.0   | 0.8   | 1.8   | 2.9   | 18    | <0.1  | 0.2   | 0.1   | 49    |
| 11DS1206 | Soil                             |        | 0.8   | 22.7  | 6.4   | 103   | <0.1  | 18.7  | 14.6  | 728   | 3.39  | 5.2   | 0.9   | 2.1   | 3.9   | 21    | <0.1  | 0.3   | 0.2   | 80    |
| 11DS1207 | Soil                             |        | 0.5   | 14.9  | 5.3   | 84    | <0.1  | 13.6  | 11.8  | 571   | 2.93  | 3.9   | 0.8   | 1.3   | 3.3   | 18    | 0.1   | 0.3   | 0.1   | 69    |
| 11DS1208 | Soil                             |        | 0.5   | 22.1  | 5.9   | 88    | <0.1  | 18.5  | 11.6  | 565   | 3.13  | 4.7   | 1.0   | 4.2   | 3.9   | 25    | <0.1  | 0.3   | 0.1   | 77    |
| 11DS1209 | Soil                             |        | 0.8   | 25.7  | 7.3   | 73    | <0.1  | 16.7  | 9.4   | 432   | 2.79  | 4.6   | 0.9   | 2.1   | 4.3   | 20    | <0.1  | 0.2   | 0.2   | 72    |
| 11DS1210 | Soil                             |        | 0.7   | 35.9  | 6.6   | 80    | <0.1  | 16.7  | 10.5  | 552   | 2.89  | 4.5   | 1.2   | 3.4   | 4.4   | 21    | 0.1   | 0.3   | 0.1   | 65    |
| 11DS1211 | Soil                             |        | 0.7   | 25.2  | 5.5   | 89    | 0.1   | 13.9  | 10.4  | 521   | 3.21  | 4.3   | 1.3   | 4.0   | 4.2   | 19    | <0.1  | 0.3   | 0.1   | 76    |
| 11DS1212 | Soil                             |        | 0.7   | 25.8  | 5.7   | 86    | <0.1  | 30.0  | 13.4  | 547   | 3.32  | 4.4   | 1.2   | 4.0   | 4.3   | 27    | <0.1  | 0.2   | 0.1   | 79    |
| 11DS1213 | Soil                             |        | 0.4   | 14.3  | 4.6   | 74    | <0.1  | 16.4  | 9.9   | 515   | 2.69  | 3.8   | 0.9   | 1.9   | 4.8   | 20    | <0.1  | 0.2   | <0.1  | 56    |
| 11DS1214 | Soil                             |        | 1.0   | 12.8  | 7.7   | 60    | <0.1  | 12.5  | 6.7   | 309   | 2.45  | 6.0   | 0.6   | 4.3   | 0.9   | 12    | 0.2   | 0.3   | 0.2   | 72    |
| 11DS1215 | Soil                             |        | 1.0   | 12.2  | 7.0   | 62    | <0.1  | 15.0  | 9.7   | 493   | 2.96  | 5.9   | 0.5   | 1.4   | 2.9   | 11    | <0.1  | 0.3   | 0.1   | 84    |
| 11DS1216 | Soil                             |        | 1.3   | 12.2  | 8.8   | 48    | <0.1  | 12.5  | 6.3   | 314   | 3.28  | 7.4   | 0.4   | 2.0   | 2.3   | 10    | <0.1  | 0.4   | 0.2   | 91    |



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Project: None Given  
Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS1187 | Soil                             | 0.056 | 7     | 24    | 0.78  | 201   | 0.168 | <1    | 1.54  | 0.013 | 0.16  | 0.1   | 0.05  | 2.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1188 | Soil                             | 0.090 | 7     | 23    | 1.03  | 232   | 0.191 | 1     | 1.91  | 0.015 | 0.21  | 0.2   | 0.02  | 3.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS1189 | Soil                             | 0.088 | 7     | 25    | 1.07  | 251   | 0.185 | <1    | 1.94  | 0.012 | 0.32  | 0.2   | 0.02  | 3.0   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1190 | Soil                             | 0.093 | 8     | 28    | 1.08  | 328   | 0.192 | <1    | 2.00  | 0.014 | 0.30  | 0.2   | 0.01  | 3.2   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1191 | Soil                             | 0.090 | 9     | 34    | 1.24  | 306   | 0.196 | 1     | 2.15  | 0.013 | 0.26  | 0.2   | 0.03  | 3.9   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1192 | Soil                             | 0.099 | 19    | 32    | 1.08  | 324   | 0.139 | <1    | 2.05  | 0.012 | 0.30  | 0.1   | 0.02  | 5.8   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1193 | Soil                             | 0.061 | 12    | 25    | 0.85  | 264   | 0.154 | <1    | 1.94  | 0.013 | 0.23  | 0.1   | 0.02  | 5.0   | 0.2   | <0.05 | 7     | 0.5   | <0.2  |
| 11DS1194 | Soil                             | 0.063 | 15    | 28    | 0.92  | 257   | 0.144 | 1     | 2.17  | 0.018 | 0.18  | 0.1   | 0.04  | 5.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1195 | Soil                             | 0.057 | 12    | 24    | 0.64  | 167   | 0.076 | <1    | 1.65  | 0.017 | 0.05  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11DS1196 | Soil                             | 0.061 | 13    | 22    | 0.53  | 190   | 0.084 | <1    | 1.63  | 0.013 | 0.08  | 0.1   | 0.04  | 3.4   | 0.1   | <0.05 | 5     | 1.0   | <0.2  |
| 11DS1197 | Soil                             | 0.067 | 10    | 29    | 0.75  | 203   | 0.098 | <1    | 1.79  | 0.016 | 0.05  | 0.1   | 0.05  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1198 | Soil                             | 0.059 | 8     | 30    | 0.69  | 189   | 0.074 | <1    | 1.65  | 0.015 | 0.04  | 0.1   | 0.05  | 3.2   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11DS1199 | Soil                             | 0.167 | 13    | 16    | 1.91  | 354   | 0.213 | <1    | 2.39  | 0.016 | 0.60  | 0.1   | <0.01 | 5.7   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS1200 | Soil                             | 0.050 | 15    | 25    | 0.87  | 227   | 0.129 | 2     | 1.96  | 0.010 | 0.15  | 0.1   | 0.02  | 5.3   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11DS1201 | Soil                             | 0.046 | 14    | 26    | 0.88  | 218   | 0.131 | 2     | 1.89  | 0.012 | 0.14  | 0.1   | 0.03  | 5.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1202 | Soil                             | 0.095 | 12    | 22    | 1.33  | 301   | 0.180 | 3     | 2.31  | 0.013 | 0.39  | 0.1   | 0.02  | 6.1   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS1203 | Soil                             | 0.050 | 16    | 19    | 0.94  | 189   | 0.119 | <1    | 1.51  | 0.009 | 0.20  | <0.1  | 0.01  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1204 | Soil                             | 0.050 | 11    | 21    | 1.06  | 200   | 0.141 | 3     | 1.79  | 0.009 | 0.30  | 0.1   | 0.01  | 4.8   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11DS1205 | Soil                             | 0.048 | 11    | 19    | 1.06  | 259   | 0.147 | <1    | 1.94  | 0.009 | 0.37  | 0.1   | 0.02  | 4.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1206 | Soil                             | 0.049 | 11    | 31    | 1.06  | 282   | 0.191 | 1     | 2.50  | 0.012 | 0.33  | <0.1  | 0.02  | 5.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS1207 | Soil                             | 0.050 | 10    | 23    | 1.00  | 274   | 0.188 | 2     | 2.02  | 0.011 | 0.38  | 0.1   | 0.02  | 4.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1208 | Soil                             | 0.051 | 13    | 32    | 0.97  | 330   | 0.187 | 3     | 2.23  | 0.013 | 0.35  | 0.1   | 0.02  | 5.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1209 | Soil                             | 0.039 | 13    | 30    | 0.73  | 227   | 0.174 | 1     | 2.03  | 0.012 | 0.17  | 0.1   | 0.02  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1210 | Soil                             | 0.051 | 15    | 30    | 0.71  | 256   | 0.149 | <1    | 2.04  | 0.013 | 0.21  | 0.1   | 0.02  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1211 | Soil                             | 0.042 | 14    | 24    | 0.96  | 269   | 0.168 | 1     | 2.29  | 0.011 | 0.33  | <0.1  | 0.03  | 5.6   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS1212 | Soil                             | 0.062 | 16    | 46    | 1.18  | 348   | 0.176 | 2     | 2.36  | 0.013 | 0.34  | 0.1   | 0.03  | 5.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS1213 | Soil                             | 0.047 | 14    | 25    | 0.83  | 228   | 0.148 | <1    | 1.65  | 0.011 | 0.27  | 0.1   | 0.02  | 4.3   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS1214 | Soil                             | 0.040 | 10    | 24    | 0.49  | 94    | 0.104 | 2     | 1.58  | 0.011 | 0.13  | <0.1  | 0.03  | 2.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1215 | Soil                             | 0.039 | 10    | 29    | 0.66  | 98    | 0.141 | 2     | 1.76  | 0.009 | 0.12  | 0.1   | 0.04  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1216 | Soil                             | 0.053 | 8     | 27    | 0.50  | 72    | 0.137 | 2     | 1.76  | 0.008 | 0.10  | 0.1   | 0.03  | 2.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |



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Project: None Given  
Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS1217 | Soil                             |        | 1.1   | 18.9  | 7.2   | 83    | <0.1  | 19.3  | 12.8  | 570   | 3.21  | 5.5   | 0.9   | 2.3   | 4.1   | 22    | <0.1  | 0.3   | 0.2   | 82    | 0.27  |
| 11DS1218 | Soil                             |        | 1.3   | 26.0  | 12.7  | 88    | 0.2   | 26.1  | 12.1  | 596   | 3.10  | 7.8   | 1.0   | 4.5   | 3.6   | 32    | 0.2   | 0.4   | 0.2   | 81    | 0.37  |
| 11DS1219 | Soil                             |        | 1.1   | 20.6  | 9.0   | 39    | 0.1   | 12.9  | 5.1   | 186   | 2.36  | 4.8   | 1.0   | 1.1   | 1.8   | 23    | <0.1  | 0.3   | 0.2   | 59    | 0.20  |
| 11DS1220 | Soil                             |        | 1.3   | 18.7  | 7.4   | 70    | <0.1  | 20.8  | 11.0  | 520   | 3.07  | 5.5   | 0.8   | 2.3   | 5.6   | 19    | <0.1  | 0.2   | 0.2   | 76    | 0.26  |
| 11DS1221 | Soil                             |        | 1.3   | 18.7  | 7.5   | 68    | <0.1  | 22.7  | 11.1  | 530   | 3.17  | 5.7   | 0.8   | 3.8   | 5.6   | 19    | <0.1  | 0.3   | 0.2   | 75    | 0.25  |
| 11DS1222 | Soil                             |        | 1.2   | 20.7  | 8.7   | 79    | <0.1  | 20.3  | 13.7  | 577   | 3.66  | 6.6   | 0.8   | 1.2   | 5.0   | 22    | <0.1  | 0.3   | 0.2   | 95    | 0.31  |
| 11DS1223 | Soil                             |        | 1.0   | 11.3  | 5.8   | 73    | <0.1  | 13.6  | 10.1  | 543   | 2.56  | 4.0   | 0.6   | 2.1   | 3.1   | 15    | <0.1  | 0.2   | 0.1   | 66    | 0.21  |
| 11DS1224 | Soil                             |        | 0.8   | 16.7  | 5.8   | 76    | <0.1  | 14.8  | 12.7  | 652   | 3.01  | 4.4   | 0.5   | 3.0   | 3.7   | 15    | <0.1  | 0.2   | 0.2   | 80    | 0.23  |
| 11DS1225 | Soil                             |        | 0.7   | 17.9  | 6.9   | 68    | <0.1  | 15.4  | 11.0  | 584   | 2.87  | 4.9   | 1.0   | 3.3   | 5.2   | 20    | <0.1  | 0.3   | 0.2   | 74    | 0.28  |
| 11DS1226 | Soil                             |        | 1.0   | 12.6  | 7.3   | 73    | <0.1  | 13.6  | 11.6  | 578   | 3.15  | 6.7   | 0.6   | 2.0   | 4.3   | 14    | <0.1  | 0.3   | 0.2   | 76    | 0.19  |
| 11DS1227 | Soil                             |        | 1.1   | 32.2  | 4.0   | 75    | <0.1  | 9.0   | 10.3  | 723   | 2.99  | 6.3   | 0.5   | 3.5   | 4.7   | 10    | <0.1  | 0.3   | 0.1   | 68    | 0.14  |
| 11DS1228 | Soil                             |        | 1.1   | 32.5  | 10.4  | 126   | <0.1  | 13.2  | 20.1  | 769   | 4.01  | 2.5   | 0.4   | 2.5   | 1.4   | 28    | 0.1   | 0.1   | <0.1  | 117   | 0.57  |
| 11DS1229 | Soil                             |        | 1.2   | 23.6  | 7.7   | 78    | 0.1   | 12.6  | 13.6  | 446   | 3.05  | 3.3   | 0.8   | 1.3   | 2.4   | 23    | 0.1   | 0.2   | <0.1  | 84    | 0.42  |
| 11DS1230 | Soil                             |        | 1.6   | 23.2  | 10.0  | 83    | 0.2   | 16.2  | 15.7  | 381   | 3.14  | 4.8   | 1.1   | 1.7   | 3.9   | 42    | <0.1  | 0.2   | 0.2   | 94    | 0.42  |
| 11DS1231 | Soil                             |        | 1.1   | 26.4  | 12.0  | 80    | 0.3   | 11.0  | 9.9   | 346   | 2.68  | 2.9   | 0.9   | 2.5   | 2.0   | 22    | <0.1  | 0.2   | <0.1  | 66    | 0.32  |
| 11DS1232 | Soil                             |        | 0.9   | 17.7  | 10.1  | 99    | 0.1   | 17.7  | 13.5  | 364   | 2.92  | 3.2   | 0.6   | 113.6 | 2.4   | 33    | <0.1  | 0.2   | <0.1  | 72    | 0.60  |
| 11DS1233 | Soil                             | I.S.   | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11DS1234 | Soil                             |        | 1.6   | 19.4  | 6.8   | 78    | 0.1   | 18.9  | 12.4  | 357   | 2.91  | 4.1   | 0.6   | 4.8   | 2.6   | 27    | 0.1   | 0.2   | <0.1  | 73    | 0.42  |
| 11DS1235 | Soil                             |        | 2.4   | 15.9  | 7.0   | 73    | <0.1  | 14.4  | 12.2  | 414   | 3.10  | 4.6   | 0.7   | 11.9  | 1.9   | 20    | <0.1  | 0.2   | <0.1  | 80    | 0.34  |
| 11DS1236 | Soil                             |        | 4.1   | 48.2  | 4.8   | 58    | <0.1  | 53.2  | 22.2  | 420   | 2.89  | 3.8   | 0.3   | 1.5   | 1.6   | 12    | <0.1  | 0.2   | <0.1  | 84    | 0.31  |
| 11DS1237 | Soil                             |        | 1.7   | 48.5  | 7.5   | 56    | 0.2   | 30.5  | 14.5  | 301   | 2.94  | 6.5   | 0.4   | 2.8   | 1.9   | 17    | <0.1  | 0.3   | 0.1   | 89    | 0.26  |
| 11DS1238 | Soil                             |        | 0.5   | 63.0  | 5.4   | 74    | <0.1  | 39.2  | 19.3  | 437   | 3.43  | 3.9   | 0.3   | 2.9   | 1.6   | 17    | <0.1  | 0.2   | 0.1   | 99    | 0.45  |
| 11DS1239 | Soil                             | I.S.   | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11DS1240 | Soil                             |        | 0.3   | 11.6  | 1.2   | 106   | <0.1  | 7.8   | 11.2  | 682   | 1.42  | 4.7   | 0.2   | 2.9   | 3.1   | 10    | <0.1  | 0.1   | <0.1  | 37    | 0.24  |
| 11DS1241 | Soil                             |        | 0.3   | 11.5  | 1.3   | 99    | <0.1  | 8.5   | 11.3  | 637   | 1.49  | 5.9   | 0.2   | 1.0   | 3.3   | 10    | <0.1  | 0.1   | <0.1  | 36    | 0.22  |
| 11DS1242 | Soil                             |        | 1.2   | 33.5  | 5.1   | 66    | 0.4   | 24.1  | 14.5  | 396   | 2.29  | 3.3   | 0.5   | 2.1   | 1.5   | 16    | <0.1  | 0.1   | <0.1  | 68    | 0.36  |
| 11DS1243 | Soil                             |        | 1.3   | 22.1  | 4.8   | 72    | 0.1   | 23.7  | 14.0  | 443   | 2.55  | 3.7   | 0.5   | 2.2   | 1.8   | 19    | <0.1  | 0.2   | <0.1  | 71    | 0.44  |
| 11DS1244 | Soil                             |        | 1.2   | 13.8  | 7.5   | 68    | <0.1  | 13.0  | 10.0  | 464   | 2.57  | 4.7   | 0.4   | 1.5   | 2.6   | 17    | 0.1   | 0.2   | <0.1  | 57    | 0.31  |
| 11DS1245 | Soil                             |        | 1.7   | 20.8  | 9.6   | 60    | 0.1   | 15.3  | 10.4  | 366   | 2.74  | 4.3   | 0.7   | 10.4  | 2.7   | 19    | 0.1   | 0.2   | 0.1   | 61    | 0.38  |
| 11DS1246 | Soil                             |        | 1.6   | 28.1  | 21.5  | 106   | <0.1  | 17.6  | 13.1  | 715   | 3.66  | 3.9   | 0.6   | 1.0   | 2.7   | 19    | 0.1   | 0.2   | 0.1   | 73    | 0.44  |



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**Project:** None Given  
**Report Date:** October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS1217 | Soil                             | 0.046 | 14    | 34    | 0.94  | 266   | 0.176 | 2     | 2.20  | 0.011 | 0.26  | <0.1  | 0.03  | 5.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS1218 | Soil                             | 0.054 | 14    | 45    | 0.76  | 372   | 0.130 | 2     | 2.52  | 0.012 | 0.12  | 0.1   | 0.03  | 4.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS1219 | Soil                             | 0.027 | 20    | 25    | 0.41  | 284   | 0.087 | 2     | 1.78  | 0.013 | 0.09  | <0.1  | 0.04  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1220 | Soil                             | 0.038 | 21    | 35    | 0.80  | 253   | 0.170 | <1    | 2.11  | 0.011 | 0.19  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1221 | Soil                             | 0.038 | 20    | 36    | 0.80  | 246   | 0.173 | 2     | 2.10  | 0.010 | 0.20  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1222 | Soil                             | 0.038 | 19    | 37    | 0.95  | 311   | 0.182 | 2     | 2.45  | 0.011 | 0.21  | 0.1   | 0.02  | 6.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11DS1223 | Soil                             | 0.050 | 13    | 22    | 0.95  | 186   | 0.159 | 2     | 1.81  | 0.010 | 0.26  | 0.2   | 0.02  | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1224 | Soil                             | 0.052 | 12    | 24    | 0.90  | 189   | 0.175 | 2     | 2.00  | 0.011 | 0.28  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS1225 | Soil                             | 0.046 | 22    | 28    | 0.86  | 285   | 0.155 | 3     | 2.01  | 0.013 | 0.19  | 0.1   | 0.02  | 5.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1226 | Soil                             | 0.046 | 11    | 26    | 0.90  | 157   | 0.166 | 2     | 2.00  | 0.009 | 0.24  | 0.2   | 0.02  | 4.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11DS1227 | Soil                             | 0.062 | 15    | 18    | 0.76  | 109   | 0.152 | 1     | 1.39  | 0.007 | 0.32  | 0.1   | <0.01 | 4.8   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1228 | Soil                             | 0.082 | 5     | 22    | 1.35  | 350   | 0.270 | 2     | 2.54  | 0.019 | 0.56  | 0.1   | <0.01 | 3.7   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1229 | Soil                             | 0.071 | 11    | 23    | 0.98  | 232   | 0.181 | 2     | 2.07  | 0.016 | 0.32  | <0.1  | 0.02  | 3.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1230 | Soil                             | 0.062 | 14    | 30    | 0.99  | 221   | 0.156 | 2     | 2.17  | 0.017 | 0.23  | 0.1   | 0.02  | 5.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1231 | Soil                             | 0.059 | 11    | 22    | 0.71  | 199   | 0.143 | 1     | 1.76  | 0.013 | 0.24  | 0.1   | 0.04  | 3.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1232 | Soil                             | 0.086 | 9     | 30    | 1.01  | 266   | 0.173 | 2     | 1.91  | 0.016 | 0.19  | 0.1   | 0.03  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1233 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11DS1234 | Soil                             | 0.073 | 11    | 33    | 0.91  | 230   | 0.150 | 2     | 1.77  | 0.017 | 0.13  | 0.1   | 0.02  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1235 | Soil                             | 0.084 | 9     | 26    | 0.78  | 190   | 0.141 | 2     | 1.68  | 0.014 | 0.11  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11DS1236 | Soil                             | 0.080 | 7     | 112   | 1.58  | 157   | 0.154 | 2     | 2.28  | 0.021 | 0.26  | <0.1  | 0.01  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1237 | Soil                             | 0.053 | 8     | 62    | 1.10  | 194   | 0.154 | 2     | 2.13  | 0.017 | 0.10  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1238 | Soil                             | 0.100 | 8     | 91    | 1.86  | 315   | 0.178 | <1    | 2.32  | 0.018 | 0.49  | 0.1   | 0.01  | 5.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1239 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11DS1240 | Soil                             | 0.056 | 16    | 11    | 0.92  | 106   | 0.086 | 1     | 1.07  | 0.005 | 0.11  | <0.1  | <0.01 | 9.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS1241 | Soil                             | 0.050 | 16    | 12    | 0.84  | 114   | 0.082 | <1    | 1.11  | 0.007 | 0.11  | <0.1  | <0.01 | 9.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11DS1242 | Soil                             | 0.052 | 9     | 49    | 1.24  | 210   | 0.125 | 17    | 1.53  | 0.017 | 0.15  | <0.1  | 0.01  | 5.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1243 | Soil                             | 0.088 | 9     | 57    | 1.48  | 255   | 0.135 | <1    | 1.81  | 0.013 | 0.14  | 0.1   | 0.02  | 5.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1244 | Soil                             | 0.069 | 10    | 25    | 0.74  | 196   | 0.113 | <1    | 1.36  | 0.012 | 0.14  | 0.1   | 0.02  | 4.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11DS1245 | Soil                             | 0.071 | 12    | 30    | 0.71  | 258   | 0.112 | <1    | 1.47  | 0.015 | 0.11  | 0.1   | 0.03  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1246 | Soil                             | 0.098 | 11    | 42    | 0.82  | 243   | 0.103 | <1    | 1.56  | 0.014 | 0.16  | <0.1  | <0.01 | 7.6   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |



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Project: None Given  
Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   |
|          |                                  | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     |
| 11DS1247 | Soil                             |        | 0.7   | 17.9  | 5.4   | 71    | <0.1  | 27.3  | 15.2  | 506   | 3.36  | 4.2   | 0.6   | 1.9   | 3.7   | 19    | <0.1  | 0.2   | 0.1   | 73    | 0.31  |
| 11DS1248 | Soil                             |        | 0.6   | 22.9  | 2.3   | 110   | <0.1  | 17.9  | 21.8  | 693   | 4.26  | 1.5   | 0.6   | 0.6   | 2.9   | 17    | <0.1  | <0.1  | <0.1  | 100   | 0.46  |
| 11DS1249 | Soil                             |        | 0.6   | 15.9  | 4.5   | 89    | <0.1  | 13.1  | 14.4  | 493   | 3.89  | 3.0   | 0.4   | 0.8   | 2.0   | 17    | <0.1  | 0.2   | <0.1  | 89    | 0.39  |
| 11DS1250 | Soil                             |        | 0.9   | 26.1  | 5.2   | 89    | 0.1   | 13.5  | 13.7  | 584   | 3.93  | 4.4   | 0.5   | 1.9   | 1.5   | 25    | <0.1  | 0.1   | <0.1  | 79    | 0.62  |
| 11DS1251 | Soil                             |        | 0.9   | 18.8  | 7.7   | 63    | <0.1  | 15.9  | 10.5  | 338   | 3.07  | 6.8   | 0.5   | 8.3   | 2.8   | 17    | 0.1   | 0.3   | 0.1   | 78    | 0.30  |
| 11DS1252 | Soil                             |        | 1.1   | 17.1  | 7.9   | 82    | <0.1  | 12.0  | 11.8  | 379   | 3.45  | 4.0   | 0.5   | 5.0   | 2.0   | 20    | <0.1  | 0.2   | <0.1  | 86    | 0.36  |
| 11DS1253 | Soil                             |        | 2.0   | 17.0  | 5.5   | 112   | <0.1  | 8.7   | 13.2  | 558   | 4.53  | 4.6   | 0.3   | 3.9   | 1.4   | 19    | 0.2   | 0.1   | <0.1  | 86    | 0.37  |
| 11DS1254 | Soil                             |        | 0.8   | 29.0  | 7.8   | 63    | 0.1   | 14.3  | 12.5  | 377   | 3.09  | 4.6   | 1.0   | 2.7   | 2.7   | 24    | <0.1  | 0.2   | 0.1   | 71    | 0.37  |
| 11DS1255 | Soil                             |        | 0.4   | 104.2 | 1.8   | 54    | <0.1  | 9.6   | 26.5  | 446   | 4.84  | 3.0   | 0.6   | 1.8   | 1.2   | 86    | <0.1  | 0.1   | <0.1  | 131   | 2.48  |
| 11DS1256 | Soil                             |        | 0.9   | 30.3  | 12.1  | 153   | <0.1  | 8.5   | 9.3   | 395   | 3.51  | 5.7   | 0.5   | 0.7   | 2.0   | 13    | 0.2   | 0.1   | <0.1  | 64    | 0.26  |
| 11DS1257 | Soil                             |        | 0.8   | 26.0  | 6.3   | 66    | <0.1  | 16.1  | 13.6  | 361   | 3.38  | 6.5   | 0.3   | 2.4   | 1.8   | 16    | 0.1   | 0.3   | 0.2   | 83    | 0.23  |
| 11DS1258 | Soil                             |        | 0.8   | 37.0  | 5.4   | 65    | <0.1  | 27.0  | 16.2  | 313   | 3.84  | 5.4   | 0.5   | 42.4  | 2.7   | 19    | <0.1  | 0.3   | 0.1   | 76    | 0.39  |
| 11DS1259 | Soil                             |        | 3.5   | 26.1  | 11.5  | 112   | 0.1   | 55.1  | 25.1  | 1181  | 6.07  | 3.9   | 1.3   | 8.4   | 8.3   | 39    | <0.1  | 0.3   | 0.2   | 62    | 0.58  |
| 11DS1260 | Soil                             |        | 1.4   | 35.9  | 26.0  | 89    | 0.1   | 97.3  | 20.8  | 1063  | 4.78  | 21.9  | 1.2   | 6.7   | 8.5   | 86    | 0.1   | 0.2   | 0.3   | 70    | 0.72  |
| 11DS1261 | Soil                             |        | 1.4   | 34.8  | 27.3  | 93    | 0.2   | 97.1  | 21.1  | 1086  | 4.83  | 21.7  | 1.1   | 5.0   | 8.8   | 86    | 0.1   | 0.5   | 0.3   | 71    | 0.76  |
| 11BC1221 | Soil                             |        | 1.9   | 32.3  | 7.3   | 72    | <0.1  | 18.3  | 16.1  | 431   | 3.50  | 8.0   | 0.7   | 1.4   | 2.6   | 16    | <0.1  | 0.4   | 0.1   | 88    | 0.27  |
| 11BC1222 | Soil                             |        | 1.3   | 18.2  | 8.1   | 55    | 0.2   | 11.4  | 8.7   | 288   | 2.66  | 3.9   | 0.4   | 1.9   | 1.5   | 12    | <0.1  | 0.2   | 0.1   | 79    | 0.21  |
| 11BC1223 | Soil                             |        | 2.1   | 24.1  | 13.2  | 80    | 0.3   | 15.6  | 11.4  | 579   | 3.35  | 4.9   | 0.6   | 2.3   | 2.3   | 24    | 0.1   | 0.2   | 0.1   | 78    | 0.34  |
| 11BC1224 | Soil                             |        | 3.4   | 20.6  | 10.4  | 66    | 0.2   | 15.9  | 10.2  | 354   | 2.88  | 4.1   | 0.6   | 17.3  | 2.4   | 16    | 0.2   | 0.2   | 0.1   | 65    | 0.21  |
| 11BC1225 | Soil                             |        | 3.1   | 27.9  | 15.7  | 63    | 0.4   | 14.7  | 11.0  | 394   | 3.07  | 6.1   | 0.9   | 8.1   | 2.0   | 21    | 0.1   | 0.2   | 0.1   | 68    | 0.35  |
| 11BC1226 | Soil                             |        | 1.1   | 19.7  | 7.4   | 62    | 0.2   | 21.9  | 11.3  | 342   | 2.63  | 3.8   | 0.6   | 2.0   | 2.0   | 23    | 0.1   | 0.1   | 0.1   | 68    | 0.40  |
| 11BC1227 | Soil                             |        | 1.4   | 22.2  | 49.1  | 79    | <0.1  | 19.2  | 9.6   | 326   | 3.20  | 7.8   | 0.5   | 1.1   | 3.1   | 22    | 0.2   | 0.3   | 0.2   | 73    | 0.32  |
| 11BC1228 | Soil                             |        | 0.8   | 48.7  | 7.3   | 85    | 0.2   | 60.7  | 17.5  | 678   | 3.25  | 3.3   | 1.5   | 7.9   | 4.0   | 86    | 0.2   | 0.2   | 0.1   | 79    | 1.11  |
| 11BC1229 | Soil                             |        | 1.1   | 16.3  | 7.3   | 81    | <0.1  | 16.9  | 13.3  | 503   | 3.88  | 5.1   | 0.5   | 1.0   | 3.3   | 14    | 0.1   | 0.2   | 0.1   | 83    | 0.25  |
| 11BC1230 | Soil                             |        | 1.0   | 21.3  | 9.1   | 70    | 0.2   | 15.6  | 7.7   | 336   | 3.19  | 6.5   | 0.6   | 1.0   | 3.2   | 17    | 0.1   | 0.2   | 0.2   | 72    | 0.20  |
| 11BC1231 | Soil                             |        | 1.1   | 25.2  | 10.1  | 72    | 0.2   | 16.3  | 8.1   | 362   | 3.40  | 6.5   | 0.8   | 3.7   | 4.1   | 18    | <0.1  | 0.3   | 0.2   | 75    | 0.23  |
| 11BC1232 | Soil                             |        | 1.0   | 12.8  | 12.1  | 54    | <0.1  | 8.7   | 7.3   | 498   | 2.38  | 4.3   | 0.5   | 1.4   | 1.1   | 16    | 0.1   | 0.2   | 0.2   | 66    | 0.16  |
| 11BC1233 | Soil                             |        | 1.0   | 14.2  | 10.5  | 74    | 0.1   | 13.9  | 14.7  | 1732  | 3.03  | 6.1   | 0.4   | 1.7   | 1.9   | 21    | 0.1   | 0.4   | 0.2   | 75    | 0.25  |
| 11BC1234 | Soil                             |        | 1.0   | 13.7  | 9.2   | 62    | <0.1  | 14.5  | 9.1   | 278   | 3.18  | 7.7   | 0.4   | 3.5   | 2.3   | 21    | <0.1  | 0.4   | 0.2   | 78    | 0.27  |
| 11BC1235 | Soil                             |        | 0.5   | 18.1  | 5.9   | 96    | <0.1  | 11.9  | 14.3  | 587   | 3.97  | 3.3   | 0.6   | 5.1   | 2.4   | 21    | <0.1  | 0.2   | <0.1  | 90    | 0.40  |





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Project: None Given  
Report Date: October 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001348.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11DS1247 | Soil                             | 0.073 | 14    | 45    | 1.17  | 309   | 0.149 | <1    | 1.99  | 0.011 | 0.13  | 0.1   | 0.01  | 6.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1248 | Soil                             | 0.117 | 11    | 27    | 2.04  | 289   | 0.152 | <1    | 2.28  | 0.010 | 0.52  | <0.1  | <0.01 | 12.7  | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS1249 | Soil                             | 0.083 | 9     | 21    | 1.35  | 257   | 0.157 | <1    | 2.11  | 0.015 | 0.31  | <0.1  | 0.01  | 6.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1250 | Soil                             | 0.112 | 11    | 18    | 1.12  | 419   | 0.234 | <1    | 2.31  | 0.009 | 0.56  | <0.1  | 0.01  | 3.4   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1251 | Soil                             | 0.042 | 9     | 29    | 0.77  | 209   | 0.110 | <1    | 1.78  | 0.014 | 0.07  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1252 | Soil                             | 0.052 | 9     | 22    | 0.99  | 287   | 0.172 | 1     | 2.01  | 0.016 | 0.34  | 0.1   | 0.02  | 4.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11DS1253 | Soil                             | 0.155 | 4     | 17    | 1.22  | 256   | 0.263 | <1    | 2.49  | 0.008 | 0.77  | <0.1  | 0.01  | 3.0   | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11DS1254 | Soil                             | 0.079 | 11    | 28    | 0.87  | 352   | 0.171 | <1    | 1.86  | 0.019 | 0.32  | 0.1   | 0.02  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1255 | Soil                             | 0.770 | 6     | 15    | 1.44  | 437   | 0.076 | <1    | 2.14  | 0.062 | 0.50  | <0.1  | <0.01 | 8.2   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11DS1256 | Soil                             | 0.070 | 6     | 28    | 1.15  | 222   | 0.200 | <1    | 2.33  | 0.009 | 0.64  | 0.1   | <0.01 | 3.2   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1257 | Soil                             | 0.048 | 6     | 30    | 0.93  | 210   | 0.187 | 2     | 2.24  | 0.012 | 0.37  | 0.2   | <0.01 | 2.5   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1258 | Soil                             | 0.027 | 11    | 75    | 1.19  | 154   | 0.135 | <1    | 2.28  | 0.018 | 0.26  | 0.1   | <0.01 | 8.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1259 | Soil                             | 0.169 | 44    | 61    | 0.82  | 812   | 0.045 | 1     | 1.87  | 0.010 | 0.27  | <0.1  | 0.03  | 12.8  | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1260 | Soil                             | 0.230 | 41    | 139   | 1.46  | 993   | 0.014 | <1    | 2.19  | 0.014 | 0.14  | <0.1  | 0.02  | 9.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11DS1261 | Soil                             | 0.225 | 42    | 140   | 1.47  | 1004  | 0.015 | <1    | 2.13  | 0.013 | 0.15  | <0.1  | 0.03  | 9.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11BC1221 | Soil                             | 0.047 | 12    | 36    | 1.15  | 251   | 0.139 | <1    | 2.01  | 0.018 | 0.17  | <0.1  | 0.01  | 5.3   | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| 11BC1222 | Soil                             | 0.040 | 8     | 28    | 0.85  | 202   | 0.148 | <1    | 1.71  | 0.015 | 0.09  | 0.1   | 0.02  | 4.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BC1223 | Soil                             | 0.067 | 10    | 30    | 0.93  | 341   | 0.169 | 1     | 2.05  | 0.019 | 0.20  | 0.1   | 0.02  | 4.7   | 0.2   | 0.07  | 7     | <0.5  | <0.2  |
| 11BC1224 | Soil                             | 0.040 | 11    | 31    | 0.74  | 229   | 0.136 | <1    | 1.76  | 0.015 | 0.12  | <0.1  | 0.01  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BC1225 | Soil                             | 0.066 | 13    | 30    | 0.72  | 299   | 0.121 | 1     | 1.69  | 0.018 | 0.12  | 0.3   | 0.03  | 5.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BC1226 | Soil                             | 0.045 | 11    | 47    | 0.96  | 284   | 0.127 | <1    | 1.72  | 0.015 | 0.12  | <0.1  | 0.02  | 4.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11BC1227 | Soil                             | 0.057 | 12    | 36    | 0.76  | 287   | 0.104 | 1     | 1.95  | 0.015 | 0.09  | 0.1   | 0.01  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BC1228 | Soil                             | 0.249 | 34    | 81    | 1.79  | 664   | 0.181 | 1     | 2.06  | 0.018 | 0.22  | 0.1   | 0.04  | 8.3   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11BC1229 | Soil                             | 0.059 | 18    | 27    | 1.03  | 270   | 0.130 | 2     | 2.10  | 0.012 | 0.23  | 0.1   | 0.02  | 8.8   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11BC1230 | Soil                             | 0.035 | 15    | 30    | 0.72  | 293   | 0.138 | <1    | 2.42  | 0.010 | 0.17  | 0.1   | 0.03  | 5.3   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11BC1231 | Soil                             | 0.035 | 17    | 32    | 0.76  | 314   | 0.148 | 1     | 2.52  | 0.012 | 0.18  | 0.1   | 0.03  | 5.9   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11BC1232 | Soil                             | 0.060 | 10    | 23    | 0.51  | 219   | 0.094 | <1    | 1.44  | 0.010 | 0.11  | <0.1  | 0.02  | 3.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BC1233 | Soil                             | 0.043 | 8     | 27    | 0.64  | 362   | 0.094 | <1    | 1.75  | 0.012 | 0.09  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BC1234 | Soil                             | 0.047 | 9     | 26    | 0.73  | 324   | 0.108 | <1    | 1.80  | 0.013 | 0.13  | 0.1   | 0.01  | 4.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11BC1235 | Soil                             | 0.091 | 11    | 21    | 1.45  | 315   | 0.115 | <1    | 2.20  | 0.013 | 0.20  | <0.1  | 0.01  | 10.7  | <0.1  | <0.05 | 9     | <0.5  | <0.2  |



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**Project:** None Given  
**Report Date:** October 27, 2011

**Page:** 13 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001348.1

|              | Method<br>Analyte<br>Unit<br>MDL | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------------|----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|              |                                  | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     |
|              |                                  | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   |
|              |                                  | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     |
| 11BC1236     | Soil                             |        | 1.0   | 15.6  | 10.8  | 100   | 0.1   | 15.6  | 13.9  | 681   | 3.52  | 7.8   | 0.4   | 1.6   | 2.2   | 30    | 0.2   | 0.4   | 0.2   | 82    |
| 11BC1237     | Soil                             |        | 0.9   | 16.9  | 11.6  | 85    | 0.1   | 20.3  | 10.9  | 404   | 3.10  | 9.0   | 0.4   | 43.0  | 3.2   | 32    | 0.2   | 0.6   | 0.2   | 67    |
| 11BC1238     | Soil                             |        | 1.0   | 16.0  | 12.1  | 88    | 0.4   | 17.1  | 12.0  | 1029  | 3.12  | 7.2   | 0.4   | 1.1   | 2.2   | 75    | 0.4   | 0.4   | 0.1   | 70    |
| 11BC1239     | Soil                             |        | 1.3   | 26.3  | 14.3  | 72    | 0.1   | 31.6  | 16.5  | 604   | 3.57  | 6.3   | 0.4   | 1.8   | 2.6   | 24    | 0.2   | 0.4   | 0.1   | 84    |
| 11BC1240     | Soil                             |        | 0.8   | 12.9  | 10.0  | 76    | <0.1  | 11.1  | 9.0   | 992   | 2.75  | 4.8   | 0.5   | 0.6   | 3.4   | 45    | 0.2   | 0.2   | 0.1   | 39    |
| 11BC1241     | Soil                             |        | 1.0   | 14.3  | 12.8  | 74    | <0.1  | 12.7  | 8.7   | 1072  | 2.61  | 5.6   | 0.5   | 0.8   | 2.9   | 53    | 0.1   | 0.3   | 0.2   | 43    |
| 11AN454.1    | Soil                             |        | 0.3   | 36.3  | 4.3   | 87    | <0.1  | 17.6  | 17.0  | 539   | 3.50  | 2.1   | 0.3   | 3.6   | 1.6   | 41    | 0.1   | 0.1   | <0.1  | 101   |
| 11TB1230.1   | Soil                             |        | 1.1   | 15.2  | 8.5   | 80    | <0.1  | 14.9  | 12.2  | 502   | 3.90  | 7.5   | 0.6   | 2.2   | 4.4   | 11    | 0.2   | 0.5   | 0.2   | 70    |
| 11TB1238 DUP | Soil                             |        | 2.4   | 28.5  | 6.2   | 80    | 0.1   | 21.7  | 14.2  | 539   | 2.75  | 3.9   | 0.7   | 16.2  | 1.5   | 56    | 0.2   | 0.3   | <0.1  | 61    |
| 11TB1249 DUP | Soil                             |        | 0.7   | 36.2  | 6.4   | 69    | 0.2   | 63.8  | 18.1  | 541   | 3.45  | 2.8   | 1.9   | 2.9   | 5.1   | 85    | <0.1  | 0.1   | <0.1  | 77    |



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**Project:** None Given  
**Report Date:** October 27, 2011

**Page:** 13 of 13 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001348.1

|              | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|              |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|              |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|              |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BC1236     | Soil                             | 0.045 | 7     | 28    | 0.78  | 503   | 0.181 | <1    | 2.10  | 0.017 | 0.13  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11BC1237     | Soil                             | 0.068 | 8     | 32    | 0.62  | 358   | 0.111 | 1     | 2.04  | 0.012 | 0.17  | 0.1   | 0.01  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BC1238     | Soil                             | 0.081 | 7     | 28    | 0.61  | 642   | 0.114 | 3     | 2.02  | 0.016 | 0.25  | 0.1   | 0.01  | 3.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BC1239     | Soil                             | 0.042 | 9     | 53    | 0.85  | 349   | 0.111 | <1    | 2.30  | 0.027 | 0.07  | 0.1   | 0.01  | 5.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11BC1240     | Soil                             | 0.057 | 15    | 16    | 0.64  | 561   | 0.066 | 1     | 1.69  | 0.017 | 0.32  | <0.1  | <0.01 | 2.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BC1241     | Soil                             | 0.056 | 11    | 19    | 0.59  | 591   | 0.072 | 3     | 1.63  | 0.012 | 0.31  | <0.1  | 0.01  | 2.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11AN454.1    | Soil                             | 0.117 | 8     | 40    | 1.41  | 489   | 0.266 | 1     | 2.15  | 0.031 | 0.72  | 0.1   | 0.01  | 5.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1230.1   | Soil                             | 0.036 | 11    | 32    | 0.76  | 154   | 0.139 | <1    | 2.76  | 0.010 | 0.23  | 0.1   | 0.03  | 5.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1238 DUP | Soil                             | 0.086 | 10    | 45    | 0.82  | 385   | 0.102 | 2     | 1.60  | 0.022 | 0.06  | 0.1   | 0.04  | 4.8   | <0.1  | 0.11  | 5     | <0.5  | <0.2  |
| 11TB1249 DUP | Soil                             | 0.197 | 39    | 83    | 1.72  | 495   | 0.216 | 2     | 2.06  | 0.023 | 0.17  | <0.1  | 0.06  | 10.3  | 0.1   | 0.07  | 8     | <0.5  | <0.2  |



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Project: None Given

Report Date: October 27, 2011

Page: 1 of 3 Part 1

## QUALITY CONTROL REPORT

WHI11001348.1

| Method<br>Analyte<br>Unit<br>MDL |      | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------------------------|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                  |      | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     |
|                                  |      | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   |
|                                  |      | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     |
| Pulp Duplicates                  |      |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11CB1164                         | Soil | 149.0  | 1.2   | 33.4  | 6.8   | 70    | 0.2   | 27.1  | 12.0  | 257   | 3.04  | 3.8   | 0.9   | 24.3  | 1.9   | 44    | 0.1   | 0.3   | <0.1  | 78    |
| REP 11CB1164                     | QC   |        | 1.1   | 32.3  | 6.7   | 72    | 0.2   | 25.9  | 11.6  | 250   | 2.95  | 4.0   | 0.8   | 29.1  | 1.9   | 44    | 0.1   | 0.3   | <0.1  | 75    |
| 11CB1181                         | Soil | 133.0  | 1.1   | 21.5  | 6.4   | 81    | <0.1  | 15.2  | 10.3  | 416   | 3.07  | 5.7   | 0.5   | 3.1   | 2.9   | 17    | <0.1  | 0.2   | 0.1   | 73    |
| REP 11CB1181                     | QC   |        | 1.1   | 21.6  | 6.7   | 80    | 0.1   | 16.1  | 10.3  | 420   | 3.14  | 5.8   | 0.5   | 8.7   | 2.9   | 18    | <0.1  | 0.3   | 0.2   | 75    |
| 11CB1187                         | Soil | 133.0  | 0.6   | 12.6  | 4.9   | 79    | <0.1  | 13.3  | 9.2   | 485   | 2.66  | 4.5   | 0.8   | 1.1   | 2.9   | 16    | 0.1   | 0.3   | 0.1   | 48    |
| REP 11CB1187                     | QC   |        | 0.7   | 13.7  | 5.2   | 87    | <0.1  | 14.6  | 10.5  | 513   | 2.88  | 4.4   | 0.8   | 1.7   | 3.1   | 17    | 0.1   | 0.3   | 0.1   | 55    |
| 11CB1220                         | Soil | 88.00  | 1.9   | 30.4  | 6.2   | 69    | <0.1  | 17.7  | 14.8  | 472   | 3.62  | 8.5   | 0.7   | 2.9   | 2.7   | 19    | 0.1   | 0.3   | <0.1  | 88    |
| REP 11CB1220                     | QC   |        | 2.1   | 30.2  | 6.1   | 69    | 0.1   | 17.8  | 15.1  | 468   | 3.71  | 8.7   | 0.7   | 1.5   | 2.7   | 18    | <0.1  | 0.3   | 0.1   | 88    |
| 11AN0467                         | Soil |        | 1.9   | 20.0  | 6.5   | 87    | 0.3   | 20.4  | 11.3  | 302   | 3.32  | 3.1   | 0.9   | 23.6  | 2.2   | 25    | 0.2   | 0.2   | 0.1   | 71    |
| REP 11AN0467                     | QC   |        | 2.0   | 21.1  | 6.6   | 87    | 0.3   | 20.9  | 11.7  | 317   | 3.39  | 3.1   | 0.9   | 17.6  | 2.2   | 26    | 0.2   | 0.2   | 0.1   | 74    |
| 11AN0485                         | Soil |        | 0.8   | 18.0  | 7.1   | 90    | <0.1  | 19.0  | 11.5  | 566   | 3.14  | 6.4   | 1.0   | 4.0   | 2.9   | 17    | 0.1   | 0.3   | 0.3   | 66    |
| REP 11AN0485                     | QC   |        | 0.8   | 17.4  | 7.4   | 90    | <0.1  | 18.3  | 11.3  | 545   | 3.10  | 6.2   | 1.0   | 3.7   | 2.8   | 18    | 0.1   | 0.3   | 0.2   | 63    |
| 11AN0491                         | Soil |        | 0.9   | 21.8  | 8.4   | 74    | 0.1   | 12.4  | 8.4   | 428   | 3.44  | 5.6   | 0.5   | 1.8   | 2.5   | 11    | 0.1   | 0.3   | 0.2   | 82    |
| REP 11AN0491                     | QC   |        | 1.0   | 21.3  | 8.0   | 76    | 0.2   | 12.0  | 8.4   | 421   | 3.43  | 5.1   | 0.5   | 4.8   | 2.4   | 11    | <0.1  | 0.3   | 0.2   | 80    |
| 11AN0517                         | Soil |        | 0.9   | 56.0  | 10.8  | 63    | <0.1  | 24.2  | 14.4  | 408   | 3.63  | 9.0   | 1.0   | 4.5   | 4.2   | 21    | 0.1   | 0.5   | 0.1   | 80    |
| REP 11AN0517                     | QC   |        | 1.6   | 53.9  | 10.4  | 67    | <0.1  | 25.8  | 14.4  | 422   | 3.55  | 9.5   | 1.1   | 5.6   | 4.2   | 21    | <0.1  | 0.5   | 0.1   | 82    |
| 11AN0528                         | Soil |        | 0.5   | 8.6   | 6.8   | 64    | <0.1  | 10.6  | 12.3  | 340   | 2.97  | 4.6   | 0.4   | <0.5  | 2.6   | 12    | <0.1  | 0.2   | 0.1   | 78    |
| REP 11AN0528                     | QC   |        | 0.6   | 8.5   | 6.3   | 64    | <0.1  | 10.1  | 12.0  | 332   | 2.95  | 4.5   | 0.4   | <0.5  | 2.5   | 14    | <0.1  | 0.2   | 0.1   | 79    |
| 11TB1215                         | Soil |        | 0.7   | 17.7  | 5.2   | 77    | <0.1  | 14.4  | 9.0   | 366   | 3.16  | 4.3   | 0.7   | 1.1   | 3.3   | 13    | <0.1  | 0.3   | 0.1   | 75    |
| REP 11TB1215                     | QC   |        | 0.6   | 17.3  | 5.2   | 75    | <0.1  | 13.9  | 9.1   | 354   | 3.08  | 4.5   | 0.6   | 2.6   | 3.2   | 13    | 0.1   | 0.2   | 0.1   | 74    |
| 11TB1237                         | Soil |        | 1.0   | 17.7  | 5.9   | 66    | 0.1   | 16.9  | 11.4  | 370   | 2.51  | 3.0   | 0.5   | 5.9   | 1.5   | 19    | 0.1   | 0.2   | <0.1  | 63    |
| REP 11TB1237                     | QC   |        | 1.0   | 17.7  | 6.0   | 67    | 0.1   | 16.6  | 11.4  | 372   | 2.51  | 3.2   | 0.5   | 20.8  | 1.6   | 20    | <0.1  | 0.2   | <0.1  | 63    |
| 11TB1251                         | Soil |        | 0.9   | 15.5  | 7.5   | 51    | 0.1   | 14.4  | 7.3   | 268   | 2.49  | 6.6   | 0.5   | 1.7   | 2.6   | 18    | <0.1  | 0.3   | 0.1   | 63    |
| REP 11TB1251                     | QC   |        | 0.8   | 15.3  | 7.6   | 51    | 0.1   | 15.0  | 7.3   | 266   | 2.51  | 6.5   | 0.5   | 1.4   | 2.6   | 20    | 0.1   | 0.3   | 0.1   | 60    |
| 11DS1175                         | Soil |        | 0.6   | 21.6  | 5.9   | 72    | 0.1   | 13.7  | 12.9  | 502   | 3.03  | 4.3   | 0.5   | 3.3   | 2.1   | 21    | 0.2   | 0.3   | 0.1   | 77    |
| REP 11DS1175                     | QC   |        | 0.5   | 21.2  | 5.9   | 71    | 0.1   | 14.3  | 12.8  | 500   | 3.00  | 4.5   | 0.5   | 2.9   | 2.1   | 21    | 0.1   | 0.2   | 0.1   | 75    |
| 11DS1193                         | Soil |        | 1.5   | 23.9  | 10.8  | 85    | 0.3   | 13.5  | 13.3  | 341   | 3.33  | 5.0   | 0.8   | 5.1   | 2.5   | 35    | 0.2   | 0.2   | 0.1   | 85    |
| REP 11DS1193                     | QC   |        | 1.5   | 24.5  | 11.1  | 87    | 0.3   | 13.5  | 13.3  | 348   | 3.38  | 5.1   | 0.8   | 6.4   | 2.6   | 34    | 0.1   | 0.2   | 0.1   | 84    |



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Report Date: October 27, 2011

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## QUALITY CONTROL REPORT

WHI11001348.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                                  | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|                 |                                  | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                 |                                  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11CB1164        | Soil                             | 0.100 | 11    | 49    | 0.95  | 321   | 0.090 | <1    | 1.85  | 0.020 | 0.07  | 0.1   | 0.04  | 5.3   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| REP 11CB1164    | QC                               | 0.105 | 11    | 46    | 0.95  | 317   | 0.086 | <1    | 1.86  | 0.019 | 0.07  | 0.1   | 0.04  | 5.3   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11CB1181        | Soil                             | 0.045 | 11    | 28    | 0.93  | 210   | 0.128 | <1    | 2.01  | 0.010 | 0.13  | 0.1   | 0.02  | 5.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB1181    | QC                               | 0.043 | 12    | 29    | 0.97  | 217   | 0.132 | <1    | 2.07  | 0.012 | 0.13  | 0.1   | <0.01 | 5.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1187        | Soil                             | 0.047 | 13    | 22    | 0.98  | 225   | 0.124 | 1     | 1.79  | 0.010 | 0.26  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| REP 11CB1187    | QC                               | 0.053 | 15    | 24    | 1.03  | 245   | 0.138 | <1    | 1.99  | 0.011 | 0.29  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1220        | Soil                             | 0.044 | 12    | 37    | 1.16  | 267   | 0.140 | 1     | 2.10  | 0.017 | 0.18  | <0.1  | 0.02  | 5.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11CB1220    | QC                               | 0.043 | 12    | 37    | 1.12  | 260   | 0.137 | 1     | 1.99  | 0.017 | 0.18  | 0.1   | 0.01  | 6.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0467        | Soil                             | 0.081 | 15    | 33    | 0.90  | 370   | 0.123 | 1     | 1.98  | 0.012 | 0.14  | 0.1   | 0.03  | 5.5   | 0.2   | 0.09  | 7     | <0.5  | <0.2  |
| REP 11AN0467    | QC                               | 0.085 | 15    | 35    | 0.94  | 378   | 0.135 | 1     | 2.11  | 0.012 | 0.14  | 0.1   | 0.05  | 5.7   | 0.2   | 0.09  | 7     | <0.5  | <0.2  |
| 11AN0485        | Soil                             | 0.052 | 16    | 30    | 0.89  | 313   | 0.119 | 2     | 2.31  | 0.012 | 0.18  | 0.1   | 0.03  | 5.6   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11AN0485    | QC                               | 0.050 | 15    | 29    | 0.92  | 311   | 0.116 | 1     | 2.33  | 0.012 | 0.17  | 0.1   | 0.04  | 5.5   | 0.2   | 0.05  | 8     | <0.5  | <0.2  |
| 11AN0491        | Soil                             | 0.037 | 9     | 29    | 0.66  | 123   | 0.166 | <1    | 1.94  | 0.009 | 0.17  | 0.2   | 0.02  | 3.8   | 0.1   | <0.05 | 8     | 0.9   | <0.2  |
| REP 11AN0491    | QC                               | 0.038 | 9     | 28    | 0.68  | 125   | 0.159 | <1    | 1.91  | 0.009 | 0.17  | 0.1   | 0.02  | 3.9   | 0.1   | <0.05 | 7     | 0.8   | <0.2  |
| 11AN0517        | Soil                             | 0.031 | 23    | 41    | 0.90  | 253   | 0.108 | <1    | 2.29  | 0.017 | 0.07  | <0.1  | 0.04  | 7.7   | 0.1   | <0.05 | 7     | 1.0   | <0.2  |
| REP 11AN0517    | QC                               | 0.031 | 23    | 47    | 0.83  | 251   | 0.113 | <1    | 2.07  | 0.015 | 0.08  | 0.1   | 0.04  | 7.8   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11AN0528        | Soil                             | 0.058 | 11    | 22    | 1.10  | 225   | 0.130 | <1    | 1.97  | 0.009 | 0.24  | <0.1  | 0.01  | 8.0   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| REP 11AN0528    | QC                               | 0.056 | 11    | 22    | 1.10  | 229   | 0.133 | <1    | 1.82  | 0.009 | 0.25  | <0.1  | 0.01  | 8.1   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11TB1215        | Soil                             | 0.033 | 12    | 26    | 0.84  | 172   | 0.185 | <1    | 2.03  | 0.011 | 0.24  | 0.1   | 0.01  | 5.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11TB1215    | QC                               | 0.032 | 12    | 25    | 0.81  | 166   | 0.187 | 1     | 2.00  | 0.012 | 0.25  | <0.1  | <0.01 | 5.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11TB1237        | Soil                             | 0.085 | 10    | 35    | 0.72  | 250   | 0.085 | 1     | 1.57  | 0.017 | 0.06  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| REP 11TB1237    | QC                               | 0.085 | 10    | 34    | 0.73  | 253   | 0.083 | <1    | 1.55  | 0.017 | 0.06  | 0.1   | 0.04  | 4.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11TB1251        | Soil                             | 0.042 | 10    | 26    | 0.53  | 231   | 0.080 | <1    | 1.57  | 0.013 | 0.10  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| REP 11TB1251    | QC                               | 0.042 | 10    | 26    | 0.52  | 233   | 0.078 | <1    | 1.53  | 0.013 | 0.10  | 0.1   | 0.02  | 3.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1175        | Soil                             | 0.068 | 9     | 26    | 0.82  | 291   | 0.134 | <1    | 1.86  | 0.014 | 0.11  | 0.1   | 0.02  | 4.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| REP 11DS1175    | QC                               | 0.067 | 10    | 26    | 0.81  | 291   | 0.135 | 2     | 1.86  | 0.015 | 0.11  | 0.1   | 0.01  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11DS1193        | Soil                             | 0.061 | 12    | 25    | 0.85  | 264   | 0.154 | <1    | 1.94  | 0.013 | 0.23  | 0.1   | 0.02  | 5.0   | 0.2   | <0.05 | 7     | 0.5   | <0.2  |
| REP 11DS1193    | QC                               | 0.062 | 12    | 26    | 0.89  | 269   | 0.154 | 1     | 2.00  | 0.013 | 0.24  | 0.1   | 0.03  | 5.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |



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Report Date: October 27, 2011

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## QUALITY CONTROL REPORT

WHI11001348.1

|                     |          | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |          | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|                     |          | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|                     |          | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11DS1207            | Soil     |        | 0.5   | 14.9  | 5.3   | 84    | <0.1  | 13.6  | 11.8  | 571   | 2.93  | 3.9   | 0.8   | 1.3   | 3.3   | 18    | 0.1   | 0.3   | 0.1   | 69    | 0.23  |
| REP 11DS1207        | QC       |        | 0.7   | 15.1  | 5.1   | 86    | <0.1  | 14.5  | 11.5  | 545   | 2.96  | 3.7   | 0.8   | 1.7   | 3.3   | 19    | <0.1  | 0.2   | 0.1   | 66    | 0.25  |
| 11DS1227            | Soil     |        | 1.1   | 32.2  | 4.0   | 75    | <0.1  | 9.0   | 10.3  | 723   | 2.99  | 6.3   | 0.5   | 3.5   | 4.7   | 10    | <0.1  | 0.3   | 0.1   | 68    | 0.14  |
| REP 11DS1227        | QC       |        | 1.2   | 31.8  | 4.2   | 78    | <0.1  | 9.3   | 10.1  | 763   | 3.12  | 6.4   | 0.6   | 0.8   | 4.9   | 11    | <0.1  | 0.4   | 0.1   | 72    | 0.15  |
| 11DS1251            | Soil     |        | 0.9   | 18.8  | 7.7   | 63    | <0.1  | 15.9  | 10.5  | 338   | 3.07  | 6.8   | 0.5   | 8.3   | 2.8   | 17    | 0.1   | 0.3   | 0.1   | 78    | 0.30  |
| REP 11DS1251        | QC       |        | 0.9   | 18.6  | 7.6   | 64    | <0.1  | 16.1  | 10.6  | 336   | 3.06  | 6.8   | 0.5   | 6.7   | 2.9   | 17    | <0.1  | 0.3   | 0.1   | 78    | 0.31  |
| 11BC1233            | Soil     |        | 1.0   | 14.2  | 10.5  | 74    | 0.1   | 13.9  | 14.7  | 1732  | 3.03  | 6.1   | 0.4   | 1.7   | 1.9   | 21    | 0.1   | 0.4   | 0.2   | 75    | 0.25  |
| REP 11BC1233        | QC       |        | 1.0   | 14.1  | 10.2  | 75    | 0.1   | 14.4  | 14.8  | 1743  | 3.07  | 5.9   | 0.4   | 1.0   | 1.9   | 21    | 0.1   | 0.4   | 0.2   | 73    | 0.24  |
| 11BC1237            | Soil     |        | 0.9   | 16.9  | 11.6  | 85    | 0.1   | 20.3  | 10.9  | 404   | 3.10  | 9.0   | 0.4   | 43.0  | 3.2   | 32    | 0.2   | 0.6   | 0.2   | 67    | 0.30  |
| REP 11BC1237        | QC       |        | 0.9   | 16.5  | 11.2  | 86    | 0.1   | 20.3  | 11.1  | 414   | 3.11  | 8.7   | 0.5   | 3.2   | 3.2   | 32    | 0.2   | 0.6   | 0.2   | 68    | 0.31  |
| Reference Materials |          |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard |        | 13.4  | 116.1 | 132.1 | 332   | 1.8   | 41.0  | 7.6   | 653   | 2.70  | 25.9  | 3.1   | 120.5 | 7.3   | 77    | 2.4   | 6.0   | 7.3   | 45    | 0.76  |
| STD DS8             | Standard |        | 12.8  | 105.4 | 121.7 | 307   | 1.8   | 38.5  | 7.2   | 602   | 2.44  | 24.5  | 2.8   | 101.0 | 7.0   | 70    | 2.2   | 5.5   | 6.7   | 41    | 0.71  |
| STD DS8             | Standard |        | 11.8  | 104.3 | 115.6 | 284   | 1.7   | 32.8  | 7.0   | 547   | 2.20  | 23.5  | 2.7   | 126.7 | 6.6   | 62    | 2.1   | 5.4   | 6.3   | 42    | 0.65  |
| STD DS8             | Standard |        | 13.1  | 107.8 | 122.8 | 308   | 1.7   | 36.4  | 7.4   | 597   | 2.41  | 25.3  | 2.7   | 115.6 | 6.7   | 63    | 2.2   | 5.4   | 6.3   | 42    | 0.66  |
| STD DS8             | Standard |        | 13.4  | 107.7 | 124.5 | 312   | 1.8   | 36.9  | 7.7   | 622   | 2.50  | 24.8  | 2.8   | 112.2 | 6.8   | 69    | 2.3   | 6.1   | 6.7   | 43    | 0.71  |
| STD DS8             | Standard |        | 13.6  | 114.1 | 126.0 | 313   | 1.8   | 39.8  | 7.7   | 622   | 2.57  | 23.7  | 2.8   | 115.5 | 6.8   | 66    | 2.3   | 5.4   | 6.4   | 43    | 0.71  |
| STD DS8             | Standard |        | 12.8  | 109.8 | 121.6 | 312   | 1.7   | 37.8  | 7.6   | 581   | 2.32  | 23.8  | 3.1   | 117.5 | 7.7   | 65    | 2.9   | 6.1   | 7.5   | 41    | 0.67  |
| STD DS8             | Standard |        | 13.3  | 108.5 | 122.1 | 318   | 1.7   | 39.0  | 7.8   | 634   | 2.50  | 24.8  | 2.7   | 114.5 | 6.5   | 66    | 2.3   | 5.4   | 6.5   | 45    | 0.68  |
| STD DS8             | Standard |        | 11.9  | 102.4 | 111.4 | 289   | 1.7   | 34.6  | 6.7   | 576   | 2.25  | 24.0  | 2.7   | 105.9 | 6.3   | 65    | 2.4   | 4.9   | 6.3   | 40    | 0.64  |
| STD DS8             | Standard |        | 12.6  | 115.5 | 128.7 | 299   | 1.6   | 39.2  | 7.9   | 607   | 2.42  | 23.3  | 3.1   | 104.9 | 7.8   | 71    | 1.8   | 5.6   | 7.2   | 44    | 0.65  |
| STD DS8             | Standard |        | 13.9  | 107.4 | 126.6 | 314   | 1.8   | 34.8  | 7.5   | 610   | 2.46  | 25.1  | 3.0   | 118.4 | 7.7   | 71    | 2.1   | 5.8   | 6.9   | 42    | 0.72  |
| STD DS8 Expected    |          |        | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   |
| BLK                 | Blank    |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK                 | Blank    |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK                 | Blank    |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | 0.01  | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK                 | Blank    |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK                 | Blank    |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK                 | Blank    |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |



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Project: None Given

Report Date: October 27, 2011

Page: 2 of 3 Part 2

## QUALITY CONTROL REPORT

WHI11001348.1

|                     |          | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|--------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |          | P      | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |          | %      | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |          | 0.001  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| 11DS1207            | Soil     | 0.050  | 10    | 23    | 1.00   | 274   | 0.188  | 2     | 2.02  | 0.011  | 0.38  | 0.1   | 0.02  | 4.4   | 0.2   | <0.05  | 7     | <0.5  | <0.2  |
| REP 11DS1207        | QC       | 0.051  | 10    | 23    | 0.97   | 275   | 0.188  | 1     | 2.02  | 0.012  | 0.39  | 0.1   | 0.01  | 4.5   | 0.2   | <0.05  | 7     | <0.5  | <0.2  |
| 11DS1227            | Soil     | 0.062  | 15    | 18    | 0.76   | 109   | 0.152  | 1     | 1.39  | 0.007  | 0.32  | 0.1   | <0.01 | 4.8   | 0.3   | <0.05  | 7     | <0.5  | <0.2  |
| REP 11DS1227        | QC       | 0.062  | 16    | 20    | 0.80   | 116   | 0.162  | 2     | 1.49  | 0.008  | 0.33  | 0.2   | 0.01  | 4.9   | 0.3   | <0.05  | 7     | <0.5  | <0.2  |
| 11DS1251            | Soil     | 0.042  | 9     | 29    | 0.77   | 209   | 0.110  | <1    | 1.78  | 0.014  | 0.07  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05  | 7     | <0.5  | <0.2  |
| REP 11DS1251        | QC       | 0.044  | 10    | 29    | 0.77   | 214   | 0.117  | <1    | 1.81  | 0.014  | 0.08  | 0.1   | 0.01  | 4.6   | <0.1  | <0.05  | 7     | <0.5  | <0.2  |
| 11BC1233            | Soil     | 0.043  | 8     | 27    | 0.64   | 362   | 0.094  | <1    | 1.75  | 0.012  | 0.09  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11BC1233        | QC       | 0.043  | 8     | 27    | 0.64   | 349   | 0.090  | 1     | 1.68  | 0.012  | 0.08  | <0.1  | 0.03  | 3.5   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| 11BC1237            | Soil     | 0.068  | 8     | 32    | 0.62   | 358   | 0.111  | 1     | 2.04  | 0.012  | 0.17  | 0.1   | 0.01  | 3.1   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11BC1237        | QC       | 0.069  | 8     | 32    | 0.62   | 358   | 0.113  | <1    | 2.06  | 0.016  | 0.17  | 0.1   | 0.01  | 3.5   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| Reference Materials |          |        |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard | 0.083  | 17    | 127   | 0.62   | 314   | 0.127  | 1     | 1.03  | 0.116  | 0.46  | 3.1   | 0.19  | 3.3   | 5.7   | <0.05  | 5     | 5.2   | 4.7   |
| STD DS8             | Standard | 0.079  | 17    | 116   | 0.60   | 291   | 0.122  | 2     | 0.96  | 0.100  | 0.43  | 3.0   | 0.19  | 2.9   | 5.3   | 0.07   | 4     | 4.9   | 4.8   |
| STD DS8             | Standard | 0.076  | 15    | 108   | 0.56   | 270   | 0.114  | 1     | 0.89  | 0.096  | 0.41  | 3.0   | 0.20  | 2.5   | 5.1   | 0.13   | 4     | 5.2   | 4.6   |
| STD DS8             | Standard | 0.078  | 15    | 114   | 0.59   | 275   | 0.114  | 2     | 0.88  | 0.084  | 0.41  | 2.8   | 0.21  | 2.2   | 5.5   | 0.14   | 5     | 5.6   | 5.1   |
| STD DS8             | Standard | 0.075  | 15    | 118   | 0.58   | 278   | 0.120  | 3     | 0.92  | 0.096  | 0.41  | 3.1   | 0.20  | 2.5   | 5.6   | <0.05  | 5     | 6.3   | 5.0   |
| STD DS8             | Standard | 0.080  | 16    | 123   | 0.62   | 281   | 0.123  | 3     | 0.92  | 0.097  | 0.39  | 3.1   | 0.19  | 2.3   | 5.5   | 0.22   | 5     | 5.2   | 5.1   |
| STD DS8             | Standard | 0.072  | 17    | 118   | 0.58   | 322   | 0.139  | 2     | 0.91  | 0.113  | 0.42  | 3.0   | 0.18  | 3.0   | 5.3   | 0.09   | 5     | 4.9   | 4.7   |
| STD DS8             | Standard | 0.080  | 15    | 125   | 0.62   | 279   | 0.122  | 2     | 0.96  | 0.101  | 0.42  | 3.1   | 0.19  | 2.6   | 5.3   | 0.14   | 5     | 4.8   | 4.9   |
| STD DS8             | Standard | 0.072  | 14    | 110   | 0.60   | 256   | 0.115  | 2     | 0.89  | 0.098  | 0.40  | 2.6   | 0.18  | 2.3   | 5.0   | 0.13   | 4     | 4.9   | 4.7   |
| STD DS8             | Standard | 0.074  | 16    | 120   | 0.61   | 269   | 0.120  | 3     | 0.88  | 0.084  | 0.38  | 2.9   | 0.19  | 2.0   | 5.2   | 0.14   | 4     | 3.4   | 4.8   |
| STD DS8             | Standard | 0.079  | 18    | 114   | 0.62   | 293   | 0.118  | 3     | 0.96  | 0.095  | 0.41  | 2.8   | 0.20  | 2.4   | 5.3   | 0.15   | 5     | 4.6   | 4.6   |
| STD DS8 Expected    |          | 0.08   | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank    | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank    | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank    | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank    | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank    | <0.001 | <1    | 2     | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank    | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Project: None Given

Report Date: October 27, 2011

Page: 3 of 3 Part 1

## QUALITY CONTROL REPORT

WHI11001348.1

|     |       | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | -80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|     |       | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|     |       | 0      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| BLK | Blank |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |
| BLK | Blank |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 |





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**Project:** None Given

**Report Date:** October 27, 2011

**Page:** 3 of 3 **Part** 2

## QUALITY CONTROL REPORT

WHI11001348.1

|     |       | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|--------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | P      | La    | Cr    | Mg    | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    |
|     |       | %      | ppm   | ppm   | %     | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|     |       | 0.001  | 1     | 1     | 0.01  | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| BLK | Blank | <0.001 | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  |
| BLK | Blank | <0.001 | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  |
| BLK | Blank | <0.001 | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  |
| BLK | Blank | <0.001 | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  |
| BLK | Blank | <0.001 | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 29, 2011

Report Date: October 22, 2011

Page: 1 of 6

## CERTIFICATE OF ANALYSIS

WHI11001366.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-06  
P.O. Number  
Number of Samples: 150

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 120               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 120               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 120               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 120               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: October 22, 2011

Page: 2 of 6 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001366.1

| Method<br>Analyte | Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|-------------------|-------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|                   |             | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11BH0335          | Soil        | 3.2              | 13.1             | 10.6             | 54             | <0.1             | 16.4             | 10.0             | 502            | 2.84            | 9.8              | 0.9             | 10.2             | 4.7              | 20             | 0.2              | 0.6              | 0.3              | 38            | 0.26            | 0.067           |
| 11BH0336          | Soil        | 2.6              | 13.2             | 10.3             | 51             | <0.1             | 15.0             | 6.9              | 376            | 2.47            | 5.6              | 1.0             | 9.8              | 4.4              | 19             | 0.1              | 0.4              | 0.2              | 41            | 0.22            | 0.047           |
| 11BH0337          | Soil        | 2.4              | 13.6             | 10.1             | 68             | <0.1             | 13.6             | 8.2              | 430            | 2.81            | 5.0              | 0.9             | 6.7              | 5.1              | 20             | 0.1              | 0.4              | 0.2              | 43            | 0.21            | 0.045           |
| 11BH0338          | Soil        | 2.3              | 21.5             | 10.2             | 54             | <0.1             | 28.3             | 8.8              | 332            | 2.72            | 6.5              | 1.3             | 10.1             | 5.1              | 32             | <0.1             | 0.5              | 0.2              | 55            | 0.33            | 0.061           |
| 11BH0339          | Soil        | 3.3              | 24.8             | 15.1             | 66             | <0.1             | 22.3             | 9.8              | 565            | 2.66            | 6.2              | 0.9             | 12.0             | 5.8              | 26             | <0.1             | 0.4              | 0.2              | 49            | 0.30            | 0.064           |
| 11BH0340          | Soil        | 2.7              | 21.1             | 12.4             | 60             | <0.1             | 31.5             | 12.6             | 465            | 3.23            | 8.3              | 0.7             | 9.5              | 4.8              | 16             | 0.1              | 0.6              | 0.2              | 59            | 0.15            | 0.060           |
| 11BH0341          | Soil        | 1.8              | 26.9             | 13.5             | 57             | <0.1             | 33.4             | 10.7             | 400            | 2.71            | 6.4              | 1.2             | 6.0              | 7.8              | 36             | <0.1             | 0.4              | 0.3              | 56            | 0.36            | 0.074           |
| 11BH0342          | Soil        | 5.1              | 21.4             | 12.2             | 46             | 0.1              | 18.0             | 8.0              | 320            | 2.66            | 9.5              | 1.0             | 13.4             | 4.8              | 16             | <0.1             | 0.4              | 0.3              | 56            | 0.14            | 0.037           |
| 11BH0343          | Soil        | 22.5             | 35.0             | 16.3             | 44             | 0.3              | 16.1             | 10.5             | 580            | 2.77            | 6.1              | 0.8             | 7.1              | 2.6              | 9              | 0.1              | 0.5              | 0.4              | 35            | 0.07            | 0.052           |
| 11BH0344          | Soil        | 13.0             | 24.6             | 16.3             | 49             | 0.4              | 23.4             | 11.6             | 341            | 2.83            | 8.0              | 0.8             | 85.3             | 5.4              | 18             | 0.1              | 0.7              | 0.5              | 58            | 0.14            | 0.025           |
| 11BH0345          | Soil        | 2.5              | 36.1             | 10.9             | 65             | 0.1              | 17.1             | 11.3             | 602            | 3.21            | 6.0              | 1.0             | 348.0            | 6.5              | 19             | 0.2              | 0.6              | 0.4              | 50            | 0.17            | 0.028           |
| 11BH0346          | Soil        | 2.6              | 32.5             | 10.9             | 61             | 0.1              | 22.1             | 10.0             | 536            | 2.96            | 8.7              | 1.1             | 166.2            | 7.2              | 29             | <0.1             | 0.6              | 0.2              | 61            | 0.24            | 0.022           |
| 11BH0347          | Soil        | 6.4              | 36.6             | 9.4              | 57             | <0.1             | 18.0             | 10.4             | 511            | 3.06            | 6.3              | 1.9             | 82.3             | 12.0             | 36             | <0.1             | 0.4              | 0.2              | 48            | 0.19            | 0.024           |
| 11BH0348          | Soil        | 2.2              | 22.3             | 10.3             | 41             | <0.1             | 16.9             | 8.6              | 425            | 2.69            | 4.3              | 1.1             | 20.5             | 15.3             | 34             | <0.1             | 0.6              | 0.2              | 34            | 0.18            | 0.023           |
| 11BH0349          | Soil        | 10.0             | 17.4             | 11.7             | 47             | 0.1              | 9.8              | 6.8              | 463            | 2.81            | 4.3              | 0.8             | 194.1            | 6.4              | 25             | <0.1             | 0.5              | 0.1              | 30            | 0.12            | 0.048           |
| 11BH0350          | Soil        | 3.3              | 20.4             | 11.0             | 57             | <0.1             | 15.7             | 8.4              | 366            | 3.06            | 6.5              | 1.0             | 22.0             | 9.1              | 26             | <0.1             | 0.5              | 0.2              | 48            | 0.11            | 0.031           |
| 11BH0351          | Soil        | 2.0              | 27.1             | 11.5             | 58             | <0.1             | 21.4             | 9.4              | 454            | 2.88            | 6.1              | 1.3             | 32.0             | 14.6             | 39             | <0.1             | 0.4              | 0.2              | 47            | 0.20            | 0.035           |
| 11BH0352          | Soil        | 1.2              | 15.0             | 8.3              | 48             | <0.1             | 10.9             | 7.4              | 328            | 2.44            | 2.7              | 0.8             | 4.8              | 16.9             | 19             | <0.1             | 0.3              | <0.1             | 29            | 0.10            | 0.025           |
| 11BH0353          | Soil        | 0.9              | 12.5             | 9.4              | 55             | <0.1             | 11.0             | 8.2              | 429            | 2.85            | 5.6              | 0.8             | 3.3              | 9.0              | 43             | 0.1              | 0.3              | 0.2              | 49            | 0.15            | 0.054           |
| 11BH0354          | Soil        | 1.5              | 22.1             | 11.8             | 57             | <0.1             | 22.2             | 10.1             | 488            | 3.33            | 7.4              | 0.8             | 12.4             | 7.5              | 26             | 0.1              | 0.3              | 0.2              | 62            | 0.20            | 0.076           |
| 11BH0355          | Soil        | 1.5              | 23.1             | 10.1             | 46             | <0.1             | 15.8             | 7.8              | 326            | 2.57            | 4.0              | 1.9             | 18.4             | 7.0              | 35             | 0.1              | 0.6              | 0.1              | 42            | 0.37            | 0.044           |
| 11BH0356          | Soil        | 5.1              | 40.5             | 16.1             | 61             | 0.3              | 22.5             | 14.9             | 596            | 3.44            | 7.6              | 3.1             | 10.0             | 6.7              | 42             | 0.2              | 2.1              | 0.3              | 45            | 0.53            | 0.069           |
| 11BH0357          | Soil        | 3.1              | 64.0             | 28.1             | 98             | 0.2              | 23.9             | 11.8             | 569            | 2.87            | 3.7              | 3.1             | 9.6              | 8.1              | 35             | 0.3              | 1.4              | 0.8              | 37            | 0.51            | 0.077           |
| 11BH0358          | Soil        | 0.5              | 52.5             | 8.4              | 87             | <0.1             | 32.3             | 24.0             | 848            | 4.78            | 2.1              | 0.8             | 4.6              | 2.9              | 28             | 0.2              | 0.5              | 0.1              | 106           | 0.55            | 0.134           |
| 11BH0359          | Soil        | 0.5              | 59.6             | 7.9              | 81             | <0.1             | 71.1             | 22.6             | 558            | 4.21            | 3.7              | 0.9             | 7.9              | 4.4              | 61             | <0.1             | 0.3              | <0.1             | 110           | 0.74            | 0.133           |
| 11BH0360          | Soil        | 0.5              | 22.6             | 6.7              | 55             | <0.1             | 20.6             | 13.2             | 351            | 2.74            | 4.5              | 0.7             | 1.8              | 3.2              | 23             | <0.1             | 0.3              | 0.1              | 71            | 0.37            | 0.046           |
| 11BH0361          | Soil        | 0.5              | 25.4             | 6.2              | 74             | <0.1             | 16.4             | 10.8             | 507            | 2.97            | 3.0              | 1.1             | 2.8              | 4.8              | 22             | <0.1             | 0.3              | 0.1              | 58            | 0.32            | 0.054           |
| 11BH0362          | Soil        | 1.2              | 30.3             | 7.8              | 69             | 0.1              | 22.0             | 13.7             | 533            | 3.26            | 5.1              | 0.8             | 4.7              | 4.0              | 23             | <0.1             | 0.3              | 0.1              | 77            | 0.31            | 0.047           |
| 11BH0363          | Soil        | 0.6              | 32.9             | 7.9              | 63             | 0.2              | 30.1             | 17.0             | 339            | 3.55            | 5.7              | 0.4             | 3.9              | 2.8              | 21             | <0.1             | 0.4              | 0.1              | 88            | 0.18            | 0.025           |
| 11BH0364          | Soil        | 0.6              | 34.7             | 8.1              | 60             | <0.1             | 27.8             | 14.1             | 399            | 2.88            | 6.9              | 0.8             | 3.4              | 3.7              | 33             | <0.1             | 0.4              | <0.1             | 80            | 0.34            | 0.026           |



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**Report Date:** October 22, 2011

**Page:** 2 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001366.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BH0335 | Soil                             | 15    | 22    | 0.39  | 252   | 0.023 | <1    | 1.56  | 0.010 | 0.09  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11BH0336 | Soil                             | 17    | 25    | 0.42  | 321   | 0.029 | <1    | 1.44  | 0.011 | 0.06  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11BH0337 | Soil                             | 18    | 21    | 0.47  | 324   | 0.041 | <1    | 1.78  | 0.020 | 0.15  | 0.1   | 0.02  | 2.8   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0338 | Soil                             | 20    | 43    | 0.69  | 493   | 0.068 | <1    | 1.80  | 0.029 | 0.06  | 0.1   | 0.03  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0339 | Soil                             | 17    | 32    | 0.52  | 351   | 0.040 | <1    | 2.00  | 0.020 | 0.10  | <0.1  | 0.03  | 3.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0340 | Soil                             | 12    | 42    | 0.60  | 179   | 0.055 | 2     | 2.23  | 0.010 | 0.07  | 0.1   | 0.03  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0341 | Soil                             | 27    | 57    | 0.82  | 536   | 0.060 | <1    | 1.95  | 0.011 | 0.07  | 0.1   | 0.03  | 4.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0342 | Soil                             | 13    | 29    | 0.45  | 264   | 0.045 | 1     | 1.96  | 0.010 | 0.05  | 0.1   | 0.03  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0343 | Soil                             | 13    | 23    | 0.29  | 122   | 0.024 | <1    | 1.46  | 0.010 | 0.08  | <0.1  | 0.02  | 1.6   | <0.1  | <0.05 | 4     | 0.8   | 0.2   |
| 11BH0344 | Soil                             | 11    | 31    | 0.46  | 371   | 0.047 | <1    | 2.10  | 0.010 | 0.07  | <0.1  | 0.03  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | 0.5   |
| 11BH0345 | Soil                             | 16    | 27    | 0.52  | 369   | 0.060 | 2     | 1.97  | 0.010 | 0.13  | <0.1  | 0.01  | 4.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0346 | Soil                             | 20    | 40    | 0.56  | 441   | 0.061 | 1     | 1.84  | 0.013 | 0.06  | <0.1  | 0.06  | 5.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0347 | Soil                             | 68    | 29    | 0.54  | 378   | 0.075 | <1    | 1.86  | 0.013 | 0.13  | <0.1  | 0.03  | 6.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0348 | Soil                             | 43    | 25    | 0.47  | 357   | 0.050 | <1    | 1.70  | 0.010 | 0.12  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0349 | Soil                             | 16    | 15    | 0.34  | 261   | 0.014 | <1    | 1.69  | 0.051 | 0.14  | <0.1  | 0.02  | 2.6   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11BH0350 | Soil                             | 20    | 26    | 0.48  | 330   | 0.066 | <1    | 2.09  | 0.009 | 0.16  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0351 | Soil                             | 41    | 40    | 0.60  | 506   | 0.068 | <1    | 1.96  | 0.012 | 0.11  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0352 | Soil                             | 24    | 20    | 0.45  | 167   | 0.073 | <1    | 1.66  | 0.008 | 0.26  | <0.1  | <0.01 | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0353 | Soil                             | 18    | 21    | 0.48  | 277   | 0.074 | <1    | 1.79  | 0.008 | 0.26  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0354 | Soil                             | 19    | 44    | 0.63  | 311   | 0.072 | <1    | 2.25  | 0.009 | 0.11  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0355 | Soil                             | 27    | 24    | 0.48  | 370   | 0.073 | <1    | 1.46  | 0.012 | 0.12  | <0.1  | 0.02  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0356 | Soil                             | 32    | 29    | 0.36  | 1050  | 0.030 | <1    | 1.69  | 0.021 | 0.08  | 0.1   | 0.04  | 4.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11BH0357 | Soil                             | 27    | 24    | 0.40  | 883   | 0.034 | <1    | 1.46  | 0.031 | 0.11  | <0.1  | 0.04  | 5.5   | 0.1   | <0.05 | 4     | 0.5   | <0.2  |
| 11BH0358 | Soil                             | 7     | 46    | 1.15  | 397   | 0.030 | <1    | 2.35  | 0.016 | 0.09  | <0.1  | 0.01  | 11.3  | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0359 | Soil                             | 21    | 122   | 1.53  | 421   | 0.178 | <1    | 2.62  | 0.025 | 0.07  | <0.1  | 0.02  | 7.6   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0360 | Soil                             | 10    | 36    | 0.78  | 219   | 0.097 | <1    | 1.77  | 0.020 | 0.03  | <0.1  | <0.01 | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0361 | Soil                             | 16    | 29    | 0.74  | 303   | 0.090 | <1    | 1.56  | 0.011 | 0.15  | <0.1  | 0.01  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0362 | Soil                             | 12    | 41    | 0.88  | 248   | 0.115 | <1    | 2.20  | 0.014 | 0.09  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 7     | 0.8   | <0.2  |
| 11BH0363 | Soil                             | 9     | 59    | 1.05  | 150   | 0.131 | 1     | 2.91  | 0.011 | 0.07  | 0.1   | 0.03  | 4.0   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11BH0364 | Soil                             | 17    | 45    | 0.88  | 245   | 0.133 | <1    | 2.09  | 0.028 | 0.06  | 0.1   | 0.02  | 5.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: October 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001366.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11BH0365 | Soil | 0.6                              | 32.5  | 9.7   | 51    | 0.2   | 24.7  | 12.6  | 349   | 2.87  | 8.0   | 0.7   | 3.8   | 3.8   | 24    | <0.1  | 0.4   | 0.2   | 77    | 0.26  | 0.020 |      |
| 11BH0366 | Soil | 0.9                              | 25.4  | 9.6   | 51    | 0.1   | 24.5  | 11.6  | 383   | 3.02  | 8.8   | 1.0   | 5.6   | 4.8   | 19    | <0.1  | 0.5   | 0.2   | 71    | 0.14  | 0.024 |      |
| 11BH0367 | Soil | 0.5                              | 55.6  | 7.8   | 78    | 0.1   | 30.4  | 17.0  | 447   | 4.23  | 4.3   | 0.4   | 3.7   | 2.0   | 27    | <0.1  | 0.3   | <0.1  | 114   | 0.41  | 0.039 |      |
| 11BH0368 | Soil | 0.7                              | 27.1  | 7.9   | 51    | 0.2   | 21.1  | 11.2  | 390   | 2.59  | 5.4   | 0.8   | 4.3   | 3.5   | 23    | <0.1  | 0.3   | 0.1   | 63    | 0.32  | 0.033 |      |
| 11BH0369 | Soil | 0.7                              | 27.5  | 6.2   | 68    | <0.1  | 18.8  | 11.0  | 429   | 2.90  | 3.8   | 0.7   | 3.5   | 4.5   | 23    | 0.1   | 0.3   | <0.1  | 68    | 0.36  | 0.050 |      |
| 11BH0370 | Soil | 1.5                              | 20.7  | 8.1   | 46    | <0.1  | 29.0  | 11.4  | 364   | 2.36  | 3.2   | 1.5   | 25.5  | 9.5   | 41    | <0.1  | 0.4   | <0.1  | 45    | 0.38  | 0.072 |      |
| 11BH0371 | Soil | 1.2                              | 39.2  | 6.0   | 49    | <0.1  | 13.7  | 7.1   | 310   | 2.66  | 2.6   | 1.8   | 11.1  | 13.1  | 43    | <0.1  | 0.3   | 0.1   | 39    | 0.44  | 0.095 |      |
| 11BH0372 | Soil | 0.9                              | 17.2  | 6.8   | 43    | <0.1  | 9.9   | 5.6   | 268   | 2.26  | 2.2   | 1.1   | 14.5  | 12.3  | 25    | <0.1  | 0.2   | 0.1   | 34    | 0.26  | 0.044 |      |
| 11BH0373 | Soil | 2.1                              | 18.0  | 10.2  | 53    | 0.1   | 17.2  | 8.3   | 315   | 3.41  | 6.8   | 0.7   | 10.9  | 6.2   | 26    | <0.1  | 0.4   | 0.2   | 62    | 0.24  | 0.041 |      |
| 11BH0374 | Soil | 1.8                              | 17.2  | 10.1  | 52    | 0.1   | 15.7  | 7.8   | 317   | 3.12  | 5.7   | 0.7   | 9.6   | 6.4   | 25    | <0.1  | 0.4   | 0.1   | 56    | 0.23  | 0.040 |      |
| 11BH0375 | Soil | 3.2                              | 19.9  | 11.1  | 56    | <0.1  | 18.3  | 8.2   | 353   | 3.45  | 7.0   | 0.6   | 29.1  | 7.1   | 20    | <0.1  | 0.3   | 0.2   | 58    | 0.20  | 0.049 |      |
| 11BH0376 | Soil | 5.0                              | 31.3  | 9.7   | 53    | <0.1  | 20.9  | 8.2   | 320   | 3.38  | 4.7   | 0.8   | 81.9  | 8.1   | 17    | <0.1  | 0.3   | 0.2   | 51    | 0.18  | 0.056 |      |
| 11BH0377 | Soil | 5.7                              | 30.3  | 11.9  | 61    | 0.2   | 24.9  | 10.2  | 364   | 3.64  | 7.3   | 1.0   | 68.7  | 7.6   | 23    | <0.1  | 0.6   | 0.2   | 64    | 0.19  | 0.032 |      |
| 11BH0378 | Soil | 5.7                              | 32.6  | 12.4  | 60    | 0.1   | 24.9  | 9.6   | 340   | 3.47  | 7.9   | 1.0   | 56.8  | 7.6   | 23    | <0.1  | 0.6   | 0.2   | 61    | 0.19  | 0.027 |      |
| 11BH0379 | Soil | 3.7                              | 24.0  | 9.9   | 49    | 0.2   | 23.1  | 7.8   | 293   | 3.34  | 8.4   | 0.8   | 25.3  | 4.8   | 18    | <0.1  | 0.4   | 0.2   | 60    | 0.17  | 0.040 |      |
| 11BH0380 | Soil | 2.8                              | 28.7  | 9.8   | 55    | <0.1  | 29.5  | 11.2  | 409   | 3.44  | 8.8   | 1.3   | 41.0  | 7.0   | 24    | <0.1  | 0.5   | 0.2   | 63    | 0.23  | 0.034 |      |
| 11BH0381 | Soil | 2.5                              | 41.7  | 10.3  | 72    | <0.1  | 51.7  | 15.7  | 480   | 4.10  | 8.0   | 1.4   | 68.4  | 8.0   | 36    | <0.1  | 0.5   | 0.2   | 80    | 0.35  | 0.054 |      |
| 11BH0382 | Soil | 6.7                              | 37.8  | 11.4  | 54    | 0.1   | 18.2  | 9.5   | 460   | 3.08  | 5.1   | 0.9   | 145.8 | 7.7   | 18    | <0.1  | 0.5   | 0.3   | 47    | 0.16  | 0.020 |      |
| 11BH0383 | Soil | 4.7                              | 34.0  | 11.1  | 51    | 0.1   | 18.5  | 8.5   | 265   | 3.02  | 7.3   | 1.1   | 102.7 | 7.1   | 19    | <0.1  | 0.5   | 0.3   | 52    | 0.18  | 0.032 |      |
| 11BH0384 | Soil | 2.1                              | 49.2  | 10.3  | 68    | 0.2   | 18.0  | 7.6   | 329   | 3.40  | 6.8   | 0.7   | 125.3 | 6.5   | 20    | 0.2   | 0.6   | 0.3   | 59    | 0.21  | 0.025 |      |
| 11BH0385 | Soil | 1.8                              | 36.6  | 13.2  | 92    | 0.5   | 14.3  | 8.4   | 354   | 3.69  | 8.3   | 1.0   | 40.9  | 6.2   | 16    | <0.1  | 0.6   | 0.3   | 63    | 0.12  | 0.024 |      |
| 11BH0386 | Soil | 2.0                              | 29.1  | 8.8   | 70    | <0.1  | 15.6  | 8.4   | 474   | 3.45  | 5.9   | 1.0   | 115.5 | 6.1   | 20    | 0.1   | 0.6   | 0.4   | 53    | 0.21  | 0.028 |      |
| 11BH0387 | Soil | 2.7                              | 14.3  | 12.5  | 41    | 0.1   | 14.6  | 6.1   | 211   | 3.24  | 7.2   | 0.6   | 3.4   | 3.4   | 14    | 0.1   | 0.4   | 0.2   | 71    | 0.13  | 0.026 |      |
| 11BH0388 | Soil | 8.0                              | 29.6  | 28.9  | 35    | 0.3   | 8.7   | 7.7   | 355   | 2.48  | 2.4   | 1.2   | 45.3  | 5.6   | 15    | <0.1  | 0.4   | 0.5   | 31    | 0.12  | 0.016 |      |
| 11BH0389 | Soil | 1.2                              | 21.3  | 13.0  | 46    | 0.1   | 17.1  | 7.7   | 278   | 2.97  | 7.7   | 0.8   | 3.2   | 1.3   | 13    | 0.2   | 0.4   | 0.2   | 64    | 0.14  | 0.057 |      |
| 11BH0390 | Soil | 1.2                              | 29.1  | 11.2  | 51    | 0.1   | 24.7  | 10.5  | 357   | 3.07  | 9.5   | 1.3   | 4.6   | 5.3   | 21    | <0.1  | 0.5   | 0.2   | 65    | 0.21  | 0.043 |      |
| 11BH0391 | Soil | 1.1                              | 21.6  | 14.0  | 43    | 0.1   | 26.3  | 7.6   | 204   | 2.92  | 8.4   | 1.1   | 24.4  | 3.3   | 18    | 0.1   | 0.4   | 0.2   | 68    | 0.17  | 0.057 |      |
| 11BH0392 | Soil | 1.8                              | 28.6  | 15.2  | 52    | 0.1   | 38.3  | 10.8  | 338   | 3.02  | 7.3   | 1.2   | 63.4  | 5.8   | 29    | <0.1  | 0.4   | 0.2   | 66    | 0.29  | 0.042 |      |
| 11BH0393 | Soil | 2.9                              | 22.7  | 13.0  | 55    | 0.1   | 32.0  | 11.6  | 400   | 3.14  | 7.4   | 1.0   | 66.3  | 5.0   | 22    | <0.1  | 0.5   | 0.2   | 65    | 0.24  | 0.052 |      |
| 11BH0394 | Soil | 1.7                              | 27.5  | 11.0  | 58    | <0.1  | 27.8  | 10.4  | 401   | 3.56  | 6.6   | 0.9   | 12.0  | 5.4   | 23    | 0.1   | 0.5   | 0.2   | 70    | 0.30  | 0.055 |      |



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Project: Mariposa  
Report Date: October 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001366.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BH0365 | Soil                             | 13    | 42    | 0.71  | 227   | 0.102 | <1    | 2.10  | 0.013 | 0.05  | <0.1  | 0.02  | 4.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0366 | Soil                             | 11    | 44    | 0.63  | 208   | 0.073 | <1    | 2.34  | 0.010 | 0.05  | <0.1  | 0.04  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0367 | Soil                             | 6     | 74    | 1.24  | 263   | 0.134 | <1    | 2.95  | 0.015 | 0.06  | <0.1  | 0.02  | 5.7   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0368 | Soil                             | 11    | 38    | 0.69  | 191   | 0.091 | <1    | 1.67  | 0.013 | 0.05  | <0.1  | 0.01  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0369 | Soil                             | 14    | 32    | 0.79  | 251   | 0.128 | <1    | 1.72  | 0.022 | 0.16  | 0.1   | 0.01  | 4.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0370 | Soil                             | 30    | 40    | 0.56  | 373   | 0.093 | <1    | 1.29  | 0.022 | 0.11  | <0.1  | 0.02  | 3.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11BH0371 | Soil                             | 34    | 28    | 0.63  | 284   | 0.098 | 1     | 1.47  | 0.027 | 0.27  | <0.1  | <0.01 | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0372 | Soil                             | 32    | 20    | 0.47  | 290   | 0.093 | <1    | 1.29  | 0.010 | 0.20  | <0.1  | 0.02  | 2.9   | 0.1   | <0.05 | 4     | 0.5   | <0.2  |
| 11BH0373 | Soil                             | 14    | 34    | 0.57  | 295   | 0.070 | 1     | 2.13  | 0.012 | 0.10  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11BH0374 | Soil                             | 15    | 32    | 0.54  | 294   | 0.068 | <1    | 1.98  | 0.013 | 0.12  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11BH0375 | Soil                             | 16    | 35    | 0.57  | 205   | 0.076 | <1    | 2.02  | 0.010 | 0.13  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0376 | Soil                             | 19    | 45    | 0.64  | 264   | 0.100 | <1    | 2.06  | 0.009 | 0.22  | 0.3   | 0.02  | 3.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0377 | Soil                             | 20    | 43    | 0.57  | 329   | 0.068 | 2     | 2.27  | 0.012 | 0.09  | <0.1  | 0.02  | 4.2   | 0.1   | <0.05 | 6     | 0.7   | 0.2   |
| 11BH0378 | Soil                             | 22    | 41    | 0.61  | 354   | 0.077 | 2     | 2.15  | 0.011 | 0.09  | 0.1   | 0.03  | 4.6   | 0.1   | <0.05 | 6     | 0.8   | 0.2   |
| 11BH0379 | Soil                             | 14    | 35    | 0.55  | 349   | 0.064 | <1    | 2.03  | 0.009 | 0.10  | 0.2   | 0.03  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0380 | Soil                             | 20    | 49    | 0.72  | 386   | 0.085 | <1    | 2.09  | 0.012 | 0.08  | 0.2   | 0.02  | 5.1   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11BH0381 | Soil                             | 35    | 73    | 1.02  | 614   | 0.129 | 1     | 2.41  | 0.016 | 0.10  | 0.2   | 0.04  | 8.5   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11BH0382 | Soil                             | 22    | 28    | 0.41  | 431   | 0.048 | <1    | 1.55  | 0.009 | 0.09  | 0.1   | 0.02  | 4.2   | 0.1   | <0.05 | 4     | <0.5  | 0.5   |
| 11BH0383 | Soil                             | 19    | 31    | 0.50  | 457   | 0.040 | <1    | 2.19  | 0.011 | 0.08  | 0.2   | 0.03  | 4.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0384 | Soil                             | 19    | 30    | 0.51  | 537   | 0.064 | <1    | 2.26  | 0.010 | 0.11  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0385 | Soil                             | 19    | 28    | 0.50  | 274   | 0.075 | 1     | 2.21  | 0.008 | 0.17  | 0.1   | 0.03  | 4.7   | 0.3   | <0.05 | 7     | 0.6   | <0.2  |
| 11BH0386 | Soil                             | 19    | 31    | 0.52  | 338   | 0.066 | <1    | 2.01  | 0.011 | 0.13  | 0.1   | 0.03  | 5.5   | 0.2   | <0.05 | 5     | 0.8   | <0.2  |
| 11BH0387 | Soil                             | 13    | 30    | 0.36  | 272   | 0.054 | <1    | 1.89  | 0.008 | 0.06  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0388 | Soil                             | 23    | 15    | 0.24  | 450   | 0.035 | <1    | 1.02  | 0.012 | 0.06  | <0.1  | 0.01  | 2.7   | <0.1  | <0.05 | 3     | <0.5  | 0.6   |
| 11BH0389 | Soil                             | 14    | 29    | 0.39  | 251   | 0.043 | <1    | 2.18  | 0.009 | 0.05  | 0.1   | 0.04  | 2.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0390 | Soil                             | 23    | 38    | 0.60  | 403   | 0.072 | 1     | 2.16  | 0.011 | 0.05  | 0.2   | 0.03  | 5.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0391 | Soil                             | 29    | 46    | 0.51  | 388   | 0.070 | 2     | 2.11  | 0.009 | 0.05  | 0.1   | 0.04  | 4.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0392 | Soil                             | 25    | 54    | 0.72  | 628   | 0.080 | <1    | 2.10  | 0.014 | 0.05  | 0.1   | 0.03  | 4.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0393 | Soil                             | 23    | 50    | 0.65  | 379   | 0.078 | 1     | 2.00  | 0.011 | 0.06  | 0.2   | 0.03  | 4.2   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11BH0394 | Soil                             | 22    | 40    | 0.70  | 372   | 0.098 | 1     | 2.20  | 0.010 | 0.11  | 0.1   | 0.03  | 4.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |



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**Project:** Mariposa  
**Report Date:** October 22, 2011

**Page:** 4 of 6 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001366.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |       |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca   | P     |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %    | %     |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2    | 0.01  |
| 11BH0395 | Soil   |         |      |     | 2.8   | 15.2  | 10.2  | 51    | <0.1  | 32.8  | 8.6   | 320   | 3.24  | 7.1   | 0.6   | 7.4   | 2.9   | 12    | 0.2   | 0.3   | 0.3   | 82    | 0.11 | 0.059 |
| 11BH0396 | Soil   |         |      |     | 1.7   | 17.8  | 8.6   | 61    | <0.1  | 27.3  | 9.6   | 413   | 2.92  | 4.9   | 0.9   | 7.3   | 4.8   | 23    | 0.1   | 0.4   | 0.1   | 54    | 0.27 | 0.057 |
| 11BH0397 | Soil   |         |      |     | 2.7   | 26.7  | 15.2  | 88    | <0.1  | 44.4  | 13.3  | 491   | 4.89  | 9.6   | 1.0   | 6.4   | 4.3   | 18    | 0.2   | 0.4   | 0.3   | 81    | 0.15 | 0.077 |
| 11BH0398 | Soil   |         |      |     | 1.7   | 34.6  | 9.8   | 125   | <0.1  | 14.0  | 8.3   | 587   | 4.26  | 3.4   | 0.7   | 3.9   | 9.4   | 21    | 0.1   | 0.3   | 0.2   | 41    | 0.33 | 0.039 |
| 11BH0399 | Soil   |         |      |     | 2.0   | 27.5  | 12.5  | 91    | 0.2   | 12.2  | 8.2   | 535   | 3.41  | 3.5   | 0.8   | 25.9  | 8.1   | 23    | 0.1   | 0.2   | 0.2   | 43    | 0.31 | 0.026 |
| 11BH0400 | Soil   |         |      |     | 2.1   | 36.7  | 11.0  | 97    | <0.1  | 9.6   | 6.9   | 405   | 3.69  | 2.5   | 0.7   | 4.4   | 9.2   | 22    | 0.1   | 0.3   | 0.2   | 37    | 0.22 | 0.024 |
| 11BH0401 | Soil   |         |      |     | 2.5   | 20.3  | 10.9  | 65    | 0.2   | 15.8  | 7.8   | 324   | 2.99  | 6.5   | 0.8   | 25.2  | 6.0   | 19    | <0.1  | 0.3   | 0.4   | 53    | 0.23 | 0.021 |
| 11BH0402 | Soil   |         |      |     | 3.0   | 25.4  | 8.7   | 59    | <0.1  | 20.9  | 8.7   | 377   | 2.79  | 6.1   | 0.9   | 46.6  | 7.0   | 26    | 0.2   | 0.4   | 0.2   | 50    | 0.27 | 0.022 |
| 11BH0403 | Soil   |         |      |     | 5.1   | 28.5  | 12.8  | 66    | <0.1  | 24.3  | 9.3   | 319   | 3.36  | 6.5   | 0.8   | 47.8  | 7.0   | 29    | 0.1   | 0.4   | 0.3   | 53    | 0.22 | 0.020 |
| 11BH0404 | Soil   |         |      |     | 6.4   | 46.0  | 25.1  | 131   | 0.3   | 16.2  | 7.0   | 393   | 3.48  | 6.7   | 0.9   | 108.7 | 5.8   | 23    | 0.3   | 0.6   | 0.6   | 53    | 0.22 | 0.017 |
| 11BH0405 | Soil   |         |      |     | 4.6   | 44.7  | 20.2  | 111   | 0.5   | 18.6  | 8.7   | 525   | 3.37  | 7.9   | 1.0   | 61.4  | 5.6   | 25    | 0.4   | 0.5   | 0.5   | 61    | 0.22 | 0.023 |
| 11BH0406 | Soil   |         |      |     | 6.7   | 149.4 | 25.0  | 134   | 0.4   | 19.5  | 8.2   | 504   | 3.25  | 6.8   | 1.2   | 142.7 | 6.6   | 27    | 0.6   | 0.8   | 0.6   | 50    | 0.34 | 0.036 |
| 11BH0407 | Soil   |         |      |     | 17.1  | 187.8 | 32.9  | 118   | 0.6   | 12.6  | 6.8   | 310   | 3.20  | 7.4   | 1.1   | 481.1 | 7.0   | 19    | 0.5   | 1.4   | 0.8   | 42    | 0.14 | 0.023 |
| 11BH0408 | Soil   |         |      |     | 8.9   | 131.3 | 16.0  | 80    | 0.4   | 19.2  | 8.7   | 332   | 2.93  | 9.7   | 1.4   | 158.5 | 7.1   | 20    | 0.4   | 0.7   | 0.4   | 57    | 0.21 | 0.020 |
| 11BH0409 | Soil   |         |      |     | 88.3  | 225.6 | 53.7  | 185   | 1.1   | 7.8   | 6.0   | 514   | 3.79  | 9.5   | 1.0   | 1946  | 6.8   | 26    | 0.5   | 0.9   | 2.0   | 34    | 0.17 | 0.041 |
| 11BH0410 | Soil   |         |      |     | 5.9   | 54.6  | 16.2  | 100   | 0.3   | 5.5   | 3.3   | 306   | 3.60  | 5.8   | 1.2   | 15.0  | 8.6   | 45    | 0.3   | 0.7   | 2.9   | 27    | 0.16 | 0.031 |
| 11BH0411 | Soil   |         |      |     | 11.0  | 256.7 | 36.9  | 125   | 0.8   | 6.7   | 7.6   | 502   | 3.82  | 4.9   | 1.4   | 45.2  | 10.2  | 19    | 0.4   | 0.6   | 1.2   | 27    | 0.08 | 0.027 |
| 11BH0412 | Soil   |         |      |     | 1.9   | 125.8 | 79.8  | 159   | 0.4   | 14.2  | 10.9  | 352   | 3.76  | 6.9   | 0.8   | 8.1   | 4.8   | 15    | 0.4   | 0.5   | 0.6   | 58    | 0.13 | 0.042 |
| 11BH0413 | Soil   |         |      |     | 1.8   | 76.2  | 19.2  | 93    | 0.3   | 25.8  | 11.8  | 470   | 3.06  | 9.0   | 1.4   | 31.0  | 8.0   | 25    | 0.2   | 0.6   | 0.4   | 68    | 0.25 | 0.041 |
| 11BH0414 | Soil   |         |      |     | 3.3   | 113.5 | 35.4  | 149   | 0.5   | 20.4  | 9.8   | 421   | 3.14  | 9.6   | 1.1   | 29.3  | 5.0   | 23    | 0.4   | 0.4   | 0.6   | 57    | 0.23 | 0.047 |
| 11BH0415 | Soil   |         |      |     | 1.9   | 59.1  | 13.5  | 80    | 0.2   | 24.8  | 12.5  | 325   | 3.01  | 10.5  | 1.0   | 8.1   | 6.2   | 21    | 0.4   | 0.5   | 0.3   | 62    | 0.18 | 0.033 |
| 11BH0416 | Soil   |         |      |     | 1.7   | 34.5  | 20.6  | 132   | 0.1   | 20.0  | 13.4  | 588   | 3.82  | 9.5   | 0.8   | 20.3  | 6.5   | 23    | 0.4   | 0.5   | 0.3   | 74    | 0.18 | 0.052 |
| 11BH0417 | Soil   |         |      |     | 2.8   | 68.6  | 38.8  | 136   | 0.5   | 10.7  | 8.8   | 676   | 3.00  | 5.0   | 1.5   | 679.3 | 5.3   | 127   | 0.8   | 0.3   | 0.9   | 45    | 0.34 | 0.066 |
| 11BH0418 | Soil   |         |      |     | 2.3   | 39.8  | 15.8  | 100   | 0.2   | 40.7  | 12.5  | 441   | 3.24  | 6.2   | 1.5   | 39.5  | 6.5   | 41    | 0.3   | 0.3   | 0.3   | 69    | 0.43 | 0.126 |
| 11BH0419 | Soil   |         |      |     | 2.3   | 42.6  | 13.3  | 85    | 0.3   | 42.7  | 13.1  | 433   | 2.96  | 6.1   | 2.5   | 9.1   | 5.9   | 41    | 0.2   | 0.3   | 0.2   | 58    | 0.41 | 0.092 |
| 11BH0420 | Soil   |         |      |     | 3.1   | 102.9 | 43.2  | 141   | 0.1   | 81.4  | 18.2  | 528   | 4.09  | 7.5   | 1.7   | 30.2  | 7.8   | 60    | 0.2   | 0.4   | 0.4   | 82    | 0.51 | 0.219 |
| 11BH0421 | Soil   |         |      |     | 2.6   | 73.8  | 21.2  | 107   | 0.4   | 17.1  | 8.2   | 324   | 3.06  | 8.3   | 1.3   | 14.7  | 5.8   | 22    | 0.3   | 0.4   | 0.5   | 61    | 0.20 | 0.051 |
| 11BH0422 | Soil   |         |      |     | 5.5   | 87.1  | 33.0  | 198   | 0.6   | 18.1  | 9.4   | 369   | 3.55  | 17.0  | 1.4   | 10.3  | 8.0   | 18    | 0.7   | 0.6   | 0.6   | 56    | 0.13 | 0.028 |
| 11BH0423 | Soil   |         |      |     | 16.5  | 276.5 | 219.4 | 543   | 1.5   | 6.3   | 5.0   | 239   | 5.25  | 375.9 | 2.0   | 6.7   | 6.8   | 23    | 1.0   | 1.2   | 2.7   | 18    | 0.05 | 0.054 |
| 11BH0424 | Soil   |         |      |     | 2.4   | 124.7 | 21.5  | 86    | 0.3   | 20.0  | 10.9  | 372   | 3.46  | 10.0  | 1.0   | 16.9  | 5.2   | 28    | 0.2   | 0.5   | 0.6   | 71    | 0.21 | 0.062 |



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Project: Mariposa  
Report Date: October 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001366.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BH0395 | Soil                             | 18    | 48    | 0.53  | 120   | 0.101 | <1    | 1.49  | 0.016 | 0.09  | 0.1   | 0.02  | 3.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0396 | Soil                             | 22    | 42    | 0.60  | 313   | 0.068 | 1     | 1.64  | 0.013 | 0.08  | 0.2   | 0.02  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0397 | Soil                             | 15    | 70    | 0.75  | 362   | 0.048 | <1    | 3.67  | 0.010 | 0.10  | 0.1   | 0.02  | 5.0   | 0.2   | <0.05 | 9     | 0.6   | <0.2  |
| 11BH0398 | Soil                             | 22    | 20    | 0.77  | 377   | 0.059 | <1    | 2.14  | 0.007 | 0.33  | <0.1  | 0.02  | 3.6   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0399 | Soil                             | 16    | 20    | 0.60  | 280   | 0.097 | <1    | 1.80  | 0.009 | 0.23  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0400 | Soil                             | 17    | 14    | 0.59  | 256   | 0.088 | <1    | 1.70  | 0.014 | 0.36  | <0.1  | <0.01 | 2.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0401 | Soil                             | 23    | 28    | 0.52  | 297   | 0.079 | <1    | 1.73  | 0.011 | 0.15  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0402 | Soil                             | 23    | 31    | 0.53  | 349   | 0.081 | <1    | 1.55  | 0.013 | 0.12  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11BH0403 | Soil                             | 18    | 34    | 0.62  | 295   | 0.086 | <1    | 2.06  | 0.019 | 0.14  | 0.1   | 0.02  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0404 | Soil                             | 16    | 27    | 0.49  | 280   | 0.054 | 2     | 2.05  | 0.013 | 0.12  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0405 | Soil                             | 18    | 35    | 0.55  | 320   | 0.065 | <1    | 2.25  | 0.015 | 0.10  | 0.2   | 0.03  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0406 | Soil                             | 28    | 29    | 0.53  | 484   | 0.062 | <1    | 1.82  | 0.020 | 0.11  | 0.1   | 0.01  | 4.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0407 | Soil                             | 22    | 24    | 0.35  | 346   | 0.034 | 1     | 1.70  | 0.012 | 0.10  | 0.1   | 0.04  | 3.3   | 0.1   | <0.05 | 5     | 0.5   | 0.3   |
| 11BH0408 | Soil                             | 17    | 35    | 0.51  | 458   | 0.061 | 2     | 1.91  | 0.013 | 0.08  | 0.1   | 0.05  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0409 | Soil                             | 17    | 15    | 0.21  | 262   | 0.016 | 1     | 1.32  | 0.013 | 0.16  | <0.1  | 0.03  | 2.9   | 0.2   | 0.11  | 4     | <0.5  | 1.1   |
| 11BH0410 | Soil                             | 38    | 12    | 0.26  | 438   | 0.009 | <1    | 1.74  | 0.007 | 0.20  | <0.1  | 0.01  | 2.4   | 0.2   | <0.05 | 5     | 0.5   | <0.2  |
| 11BH0411 | Soil                             | 24    | 14    | 0.20  | 294   | 0.008 | <1    | 1.88  | 0.007 | 0.11  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 4     | <0.5  | 0.6   |
| 11BH0412 | Soil                             | 12    | 21    | 0.58  | 238   | 0.050 | <1    | 2.91  | 0.010 | 0.21  | 0.1   | 0.06  | 3.9   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0413 | Soil                             | 27    | 48    | 0.64  | 486   | 0.073 | 1     | 2.04  | 0.019 | 0.06  | 0.1   | 0.05  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0414 | Soil                             | 17    | 35    | 0.55  | 302   | 0.064 | 1     | 2.04  | 0.010 | 0.10  | 0.1   | 0.03  | 3.3   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0415 | Soil                             | 16    | 37    | 0.58  | 272   | 0.081 | 1     | 2.40  | 0.010 | 0.08  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0416 | Soil                             | 12    | 34    | 0.69  | 201   | 0.126 | 1     | 2.63  | 0.011 | 0.22  | 0.2   | 0.02  | 3.6   | 0.3   | <0.05 | 7     | 0.5   | <0.2  |
| 11BH0417 | Soil                             | 24    | 19    | 0.47  | 624   | 0.068 | <1    | 1.80  | 0.011 | 0.19  | 0.1   | 0.03  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | 0.3   |
| 11BH0418 | Soil                             | 40    | 68    | 1.06  | 423   | 0.109 | <1    | 2.29  | 0.015 | 0.14  | 0.1   | 0.02  | 4.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0419 | Soil                             | 30    | 66    | 0.80  | 583   | 0.066 | 1     | 2.01  | 0.012 | 0.08  | 0.1   | 0.04  | 5.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0420 | Soil                             | 41    | 132   | 1.20  | 324   | 0.081 | <1    | 2.66  | 0.010 | 0.11  | 0.2   | 0.03  | 6.0   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11BH0421 | Soil                             | 23    | 31    | 0.54  | 270   | 0.086 | 1     | 2.15  | 0.014 | 0.10  | 0.1   | 0.03  | 4.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0422 | Soil                             | 17    | 30    | 0.45  | 213   | 0.071 | <1    | 2.30  | 0.011 | 0.11  | 0.1   | 0.04  | 3.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0423 | Soil                             | 22    | 13    | 0.13  | 200   | 0.006 | <1    | 1.21  | 0.013 | 0.18  | <0.1  | 0.04  | 1.5   | 0.1   | 0.24  | 2     | 1.0   | 1.1   |
| 11BH0424 | Soil                             | 18    | 39    | 0.59  | 292   | 0.082 | <1    | 2.35  | 0.011 | 0.10  | 0.2   | 0.03  | 3.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |





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Report Date: October 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001366.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11BH0425 | Soil                             | 2.9        | 95.3       | 25.9       | 176      | 0.1        | 13.2       | 10.8       | 585      | 3.40      | 7.0        | 1.2        | 12.9       | 7.0        | 26       | 0.5        | 0.3        | 0.5        | 62       | 0.49      |
| 11BH0426 | Soil                             | 3.3        | 56.9       | 17.4       | 86       | 0.3        | 14.7       | 9.9        | 511      | 2.93      | 6.2        | 0.7        | 7.1        | 3.7        | 26       | 0.3        | 0.3        | 0.3        | 72       | 0.42      |
| 11BH0427 | Soil                             | 2.7        | 79.7       | 22.7       | 187      | 0.1        | 8.6        | 10.1       | 750      | 4.15      | 4.3        | 0.9        | 29.8       | 7.4        | 19       | 0.4        | 0.3        | 0.4        | 70       | 0.54      |
| 11BH0428 | Soil                             | 7.1        | 37.2       | 34.3       | 95       | 0.6        | 26.2       | 13.7       | 912      | 3.41      | 4.9        | 1.3        | 167.1      | 5.2        | 31       | 0.5        | 0.5        | 0.3        | 68       | 0.97      |
| 11BH0429 | Soil                             | 2.0        | 34.5       | 20.3       | 55       | <0.1       | 25.7       | 9.6        | 283      | 2.79      | 10.3       | 1.2        | 68.5       | 6.6        | 23       | 0.1        | 0.7        | 0.2        | 61       | 0.24      |
| 11BH0430 | Soil                             | 2.2        | 73.0       | 19.1       | 133      | 0.1        | 9.5        | 8.9        | 560      | 3.63      | 5.4        | 1.0        | 6.8        | 8.1        | 15       | 0.3        | 0.3        | 0.3        | 45       | 0.18      |
| 11BH0431 | Soil                             | 0.8        | 40.1       | 12.2       | 130      | 0.2        | 4.5        | 6.8        | 452      | 3.15      | 2.5        | 1.2        | 1.3        | 9.0        | 11       | 0.2        | 0.1        | 0.2        | 39       | 0.19      |
| 11BH0432 | Soil                             | 1.3        | 25.2       | 11.0       | 58       | 0.3        | 23.1       | 9.6        | 314      | 2.91      | 9.6        | 1.1        | 9.5        | 6.5        | 20       | 0.2        | 0.6        | 0.2        | 72       | 0.16      |
| 11BH0433 | Soil                             | 1.5        | 28.0       | 11.9       | 58       | 0.1        | 22.2       | 11.5       | 308      | 2.94      | 10.0       | 1.6        | 5.8        | 6.1        | 20       | 0.1        | 0.6        | 0.2        | 72       | 0.15      |
| 11BH0434 | Soil                             | 7.5        | 43.1       | 22.7       | 109      | 0.4        | 16.2       | 10.2       | 541      | 3.68      | 9.3        | 0.8        | 9.1        | 5.5        | 19       | 0.2        | 0.5        | 0.5        | 76       | 0.16      |
| 11BH0435 | Soil                             | 4.5        | 48.7       | 21.0       | 97       | 0.2        | 13.2       | 5.6        | 222      | 2.80      | 8.9        | 0.6        | 7.9        | 3.8        | 28       | 0.6        | 0.5        | 0.5        | 62       | 0.26      |
| 11BH0436 | Soil                             | 2.7        | 20.4       | 19.4       | 75       | 0.1        | 26.2       | 9.3        | 311      | 4.00      | 9.1        | 0.7        | 56.4       | 5.6        | 23       | 0.3        | 0.5        | 0.3        | 77       | 0.11      |
| 11BH0437 | Soil                             | 2.2        | 18.4       | 15.3       | 69       | 0.2        | 29.3       | 11.8       | 406      | 3.90      | 7.8        | 0.7        | 46.0       | 4.2        | 21       | 0.2        | 0.4        | 0.3        | 93       | 0.24      |
| 11BH0438 | Soil                             | 2.8        | 56.0       | 37.8       | 72       | 0.1        | 19.8       | 10.5       | 371      | 3.50      | 6.9        | 0.9        | 54.7       | 7.0        | 17       | 0.2        | 0.4        | 0.5        | 67       | 0.16      |
| 11BH0439 | Soil                             | 7.3        | 39.3       | 14.2       | 70       | 0.1        | 14.1       | 8.2        | 343      | 3.23      | 6.2        | 0.9        | 117.9      | 7.0        | 24       | 0.2        | 0.4        | 0.3        | 57       | 0.21      |
| 11BH0440 | Soil                             | 5.0        | 19.5       | 12.9       | 77       | <0.1       | 15.7       | 7.8        | 352      | 3.48      | 9.8        | 0.6        | 37.1       | 4.4        | 21       | 0.2        | 0.5        | 0.3        | 79       | 0.20      |
| 11BH0441 | Soil                             | 1.8        | 14.7       | 11.7       | 69       | <0.1       | 10.9       | 8.2        | 410      | 3.55      | 6.1        | 0.9        | 5.8        | 5.4        | 15       | 0.2        | 0.3        | 0.2        | 60       | 0.13      |
| 11BH0442 | Soil                             | 3.5        | 20.6       | 13.7       | 70       | <0.1       | 13.5       | 9.6        | 431      | 3.74      | 6.6        | 0.8        | 22.9       | 3.8        | 18       | 0.2        | 0.4        | 0.2        | 57       | 0.16      |
| 11BH0443 | Soil                             | 2.4        | 19.5       | 12.0       | 51       | 0.1        | 15.9       | 7.8        | 365      | 3.06      | 7.6        | 0.9        | 7.8        | 7.1        | 19       | 0.1        | 0.4        | 0.2        | 60       | 0.15      |
| 11BH0444 | Soil                             | 1.8        | 13.4       | 8.8        | 56       | <0.1       | 12.8       | 6.9        | 325      | 3.11      | 8.3        | 0.7        | 13.3       | 4.9        | 27       | 0.1        | 0.3        | 0.3        | 51       | 0.11      |
| 11BH0445 | Soil                             | 6.2        | 31.2       | 14.8       | 87       | <0.1       | 12.2       | 9.1        | 432      | 3.12      | 6.5        | 0.9        | 51.2       | 5.2        | 16       | 0.2        | 0.5        | 0.3        | 57       | 0.15      |
| 11BH0446 | Soil                             | 5.1        | 14.3       | 14.5       | 60       | 0.2        | 16.3       | 6.3        | 297      | 2.97      | 8.6        | 0.6        | 68.8       | 4.6        | 32       | 0.2        | 0.4        | 0.3        | 68       | 0.21      |
| 11BH0447 | Soil                             | 2.1        | 14.0       | 7.9        | 49       | <0.1       | 4.5        | 3.1        | 250      | 1.85      | 3.7        | 0.7        | 2.5        | 7.9        | 82       | <0.1       | 0.3        | 0.2        | 16       | 0.11      |
| 11BH0448 | Soil                             | 2.2        | 17.2       | 12.2       | 66       | 0.2        | 8.1        | 7.7        | 924      | 2.46      | 4.3        | 0.7        | 2.5        | 7.0        | 19       | 0.2        | 0.2        | 0.2        | 28       | 0.17      |
| 11BH0449 | Soil                             | 2.9        | 21.7       | 17.0       | 76       | <0.1       | 7.7        | 6.1        | 294      | 2.83      | 2.9        | 0.8        | 2.6        | 10.3       | 52       | <0.1       | 0.2        | 0.3        | 24       | 0.19      |
| 11BH0450 | Soil                             | 10.4       | 29.7       | 15.3       | 91       | 0.3        | 10.8       | 7.4        | 403      | 3.00      | 7.7        | 0.7        | 308.4      | 4.7        | 21       | 0.3        | 0.4        | 0.5        | 53       | 0.23      |
| 11BH0451 | Soil                             | 5.7        | 42.2       | 17.0       | 75       | 0.2        | 9.6        | 6.6        | 528      | 2.73      | 4.2        | 0.9        | 54.7       | 6.6        | 23       | 0.3        | 0.3        | 0.6        | 32       | 0.38      |
| 11BH0452 | Soil                             | 6.0        | 154.4      | 23.4       | 169      | 0.6        | 11.3       | 12.1       | 540      | 3.15      | 4.2        | 2.1        | 6.0        | 6.7        | 21       | 0.7        | 0.2        | 0.7        | 56       | 0.37      |
| 11BH0453 | Soil                             | 11.6       | 298.4      | 16.7       | 132      | 0.7        | 27.1       | 16.3       | 594      | 3.64      | 5.4        | 2.0        | 8.7        | 5.7        | 29       | 0.7        | 0.5        | 0.8        | 57       | 0.39      |
| 11BH0454 | Soil                             | 1.9        | 40.6       | 59.9       | 370      | 0.3        | 13.3       | 8.0        | 640      | 2.70      | 5.2        | 1.3        | 8.3        | 8.2        | 32       | 0.6        | 0.3        | 0.5        | 27       | 0.63      |



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Project: Mariposa  
Report Date: October 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001366.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BH0425 | Soil                             | 19    | 25    | 0.84  | 261   | 0.125 | <1    | 1.89  | 0.016 | 0.20  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 7     | <0.5  | 0.3   |
| 11BH0426 | Soil                             | 13    | 39    | 0.64  | 269   | 0.101 | <1    | 1.61  | 0.014 | 0.18  | 0.1   | 0.02  | 3.9   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0427 | Soil                             | 15    | 15    | 0.91  | 319   | 0.202 | <1    | 2.08  | 0.015 | 0.68  | 0.1   | 0.02  | 5.7   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0428 | Soil                             | 27    | 44    | 0.73  | 533   | 0.069 | 1     | 2.12  | 0.014 | 0.12  | 0.1   | 0.04  | 8.5   | 0.1   | 0.06  | 6     | <0.5  | 0.3   |
| 11BH0429 | Soil                             | 28    | 40    | 0.58  | 331   | 0.100 | 1     | 1.77  | 0.016 | 0.08  | 0.1   | 0.02  | 5.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0430 | Soil                             | 14    | 19    | 0.51  | 292   | 0.068 | <1    | 1.97  | 0.012 | 0.29  | 0.1   | 0.01  | 3.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0431 | Soil                             | 20    | 9     | 0.68  | 111   | 0.127 | <1    | 2.39  | 0.007 | 0.57  | <0.1  | <0.01 | 2.5   | 0.5   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0432 | Soil                             | 21    | 39    | 0.53  | 356   | 0.082 | <1    | 2.36  | 0.017 | 0.06  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0433 | Soil                             | 17    | 43    | 0.55  | 272   | 0.083 | <1    | 2.36  | 0.018 | 0.05  | 0.1   | 0.04  | 6.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0434 | Soil                             | 13    | 32    | 0.48  | 311   | 0.056 | <1    | 2.26  | 0.013 | 0.08  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0435 | Soil                             | 13    | 27    | 0.39  | 263   | 0.060 | <1    | 1.56  | 0.010 | 0.10  | 0.1   | <0.01 | 2.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0436 | Soil                             | 16    | 50    | 0.58  | 203   | 0.085 | 1     | 2.27  | 0.010 | 0.09  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0437 | Soil                             | 13    | 55    | 0.77  | 311   | 0.087 | <1    | 2.31  | 0.012 | 0.10  | 0.2   | 0.02  | 3.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0438 | Soil                             | 20    | 36    | 0.59  | 300   | 0.070 | <1    | 2.43  | 0.011 | 0.11  | 0.1   | 0.03  | 3.5   | 0.2   | <0.05 | 7     | <0.5  | 0.3   |
| 11BH0439 | Soil                             | 21    | 30    | 0.56  | 330   | 0.069 | <1    | 2.00  | 0.010 | 0.13  | 0.2   | 0.01  | 3.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0440 | Soil                             | 14    | 29    | 0.57  | 261   | 0.089 | 1     | 2.05  | 0.010 | 0.11  | 0.2   | 0.02  | 3.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0441 | Soil                             | 11    | 24    | 0.55  | 174   | 0.070 | <1    | 2.34  | 0.010 | 0.11  | 0.1   | <0.01 | 3.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0442 | Soil                             | 16    | 24    | 0.39  | 259   | 0.046 | <1    | 2.03  | 0.008 | 0.15  | 0.1   | 0.02  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0443 | Soil                             | 16    | 32    | 0.45  | 304   | 0.048 | 1     | 2.22  | 0.010 | 0.07  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0444 | Soil                             | 12    | 24    | 0.44  | 149   | 0.056 | 1     | 1.73  | 0.009 | 0.10  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11BH0445 | Soil                             | 15    | 23    | 0.49  | 264   | 0.060 | <1    | 2.10  | 0.008 | 0.16  | 0.1   | 0.02  | 3.3   | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| 11BH0446 | Soil                             | 12    | 34    | 0.45  | 293   | 0.064 | <1    | 1.96  | 0.009 | 0.07  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0447 | Soil                             | 17    | 10    | 0.21  | 555   | 0.008 | <1    | 1.79  | 0.007 | 0.08  | <0.1  | 0.02  | 2.2   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11BH0448 | Soil                             | 15    | 15    | 0.34  | 278   | 0.019 | <1    | 1.72  | 0.008 | 0.19  | <0.1  | <0.01 | 2.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0449 | Soil                             | 23    | 12    | 0.42  | 320   | 0.025 | <1    | 1.79  | 0.008 | 0.24  | <0.1  | 0.01  | 2.6   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0450 | Soil                             | 12    | 23    | 0.43  | 208   | 0.038 | <1    | 1.82  | 0.012 | 0.13  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | 0.4   |
| 11BH0451 | Soil                             | 18    | 15    | 0.43  | 331   | 0.034 | <1    | 1.59  | 0.010 | 0.17  | <0.1  | 0.02  | 3.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0452 | Soil                             | 20    | 19    | 0.89  | 298   | 0.066 | 1     | 2.06  | 0.012 | 0.15  | 0.1   | 0.03  | 6.1   | 0.1   | <0.05 | 8     | 0.7   | <0.2  |
| 11BH0453 | Soil                             | 33    | 34    | 0.77  | 303   | 0.086 | 2     | 2.02  | 0.015 | 0.36  | <0.1  | 0.02  | 5.2   | 0.3   | 0.08  | 7     | 1.0   | 0.6   |
| 11BH0454 | Soil                             | 17    | 20    | 1.20  | 212   | 0.073 | <1    | 2.40  | 0.010 | 0.13  | <0.1  | 0.02  | 2.9   | 0.2   | 0.05  | 6     | 0.8   | <0.2  |

# CERTIFICATE OF ANALYSIS

WHI11001366.1

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**Project:** Mariposa  
**Report Date:** October 22, 2011

**Page:** 6 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001366.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Tl     | S      | Ga     | Se     |
|          |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    |
| 11BH0455 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0456 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0457 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0458 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0459 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0460 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0461 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0462 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0463 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0464 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0465 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0466 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0467 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0468 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0469 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0470 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0471 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0472 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0473 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0474 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0475 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0476 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0477 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0478 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0479 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0480 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0481 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0482 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0483 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0484 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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Project: Mariposa

Report Date: October 22, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001366.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11BH0338            | Soil                             | 2.3   | 21.5  | 10.2  | 54    | <0.1  | 28.3  | 8.8   | 332   | 2.72  | 6.5   | 1.3   | 10.1  | 5.1   | 32    | <0.1  | 0.5   | 0.2   | 55    | 0.33  | 0.061  |
| REP 11BH0338        | QC                               | 1.9   | 21.5  | 10.1  | 51    | <0.1  | 27.5  | 9.1   | 327   | 2.58  | 6.6   | 1.3   | 9.4   | 4.9   | 32    | <0.1  | 0.5   | 0.2   | 53    | 0.31  | 0.057  |
| 11BH0354            | Soil                             | 1.5   | 22.1  | 11.8  | 57    | <0.1  | 22.2  | 10.1  | 488   | 3.33  | 7.4   | 0.8   | 12.4  | 7.5   | 26    | 0.1   | 0.3   | 0.2   | 62    | 0.20  | 0.076  |
| REP 11BH0354        | QC                               | 1.5   | 22.5  | 11.9  | 58    | 0.1   | 22.9  | 10.7  | 495   | 3.38  | 8.0   | 0.9   | 4.9   | 7.6   | 27    | 0.1   | 0.4   | 0.2   | 64    | 0.19  | 0.072  |
| 11BH0373            | Soil                             | 2.1   | 18.0  | 10.2  | 53    | 0.1   | 17.2  | 8.3   | 315   | 3.41  | 6.8   | 0.7   | 10.9  | 6.2   | 26    | <0.1  | 0.4   | 0.2   | 62    | 0.24  | 0.041  |
| REP 11BH0373        | QC                               | 1.8   | 17.5  | 10.4  | 53    | 0.1   | 16.0  | 8.2   | 304   | 3.28  | 6.5   | 0.7   | 8.2   | 6.1   | 26    | 0.1   | 0.4   | 0.2   | 60    | 0.23  | 0.040  |
| 11BH0406            | Soil                             | 6.7   | 149.4 | 25.0  | 134   | 0.4   | 19.5  | 8.2   | 504   | 3.25  | 6.8   | 1.2   | 142.7 | 6.6   | 27    | 0.6   | 0.8   | 0.6   | 50    | 0.34  | 0.036  |
| REP 11BH0406        | QC                               | 6.4   | 147.2 | 25.0  | 136   | 0.4   | 20.1  | 8.3   | 495   | 3.17  | 6.5   | 1.2   | 152.9 | 6.6   | 26    | 0.6   | 0.8   | 0.6   | 50    | 0.32  | 0.035  |
| 11BH0422            | Soil                             | 5.5   | 87.1  | 33.0  | 198   | 0.6   | 18.1  | 9.4   | 369   | 3.55  | 17.0  | 1.4   | 10.3  | 8.0   | 18    | 0.7   | 0.6   | 0.6   | 56    | 0.13  | 0.028  |
| REP 11BH0422        | QC                               | 5.4   | 86.0  | 33.7  | 191   | 0.6   | 17.8  | 9.2   | 349   | 3.39  | 16.9  | 1.4   | 11.6  | 8.0   | 19    | 0.6   | 0.6   | 0.6   | 56    | 0.12  | 0.028  |
| 11BH0440            | Soil                             | 5.0   | 19.5  | 12.9  | 77    | <0.1  | 15.7  | 7.8   | 352   | 3.48  | 9.8   | 0.6   | 37.1  | 4.4   | 21    | 0.2   | 0.5   | 0.3   | 79    | 0.20  | 0.035  |
| REP 11BH0440        | QC                               | 5.3   | 19.4  | 13.7  | 79    | <0.1  | 15.6  | 7.6   | 351   | 3.48  | 9.8   | 0.6   | 12.5  | 4.4   | 21    | 0.3   | 0.5   | 0.3   | 81    | 0.20  | 0.035  |
| 11BH0453            | Soil                             | 11.6  | 298.4 | 16.7  | 132   | 0.7   | 27.1  | 16.3  | 594   | 3.64  | 5.4   | 2.0   | 8.7   | 5.7   | 29    | 0.7   | 0.5   | 0.8   | 57    | 0.39  | 0.046  |
| REP 11BH0453        | QC                               | 10.9  | 279.6 | 14.9  | 126   | 0.6   | 24.4  | 15.2  | 556   | 3.46  | 5.6   | 1.9   | 12.5  | 5.5   | 29    | 0.4   | 0.2   | 0.7   | 54    | 0.37  | 0.042  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 13.7  | 114.6 | 126.6 | 322   | 1.8   | 37.1  | 7.5   | 579   | 2.50  | 26.1  | 3.0   | 108.7 | 7.4   | 69    | 2.6   | 5.9   | 7.0   | 45    | 0.71  | 0.087  |
| STD DS8             | Standard                         | 14.9  | 112.1 | 130.3 | 325   | 1.9   | 40.1  | 8.1   | 645   | 2.70  | 25.5  | 3.1   | 124.6 | 7.4   | 72    | 2.3   | 5.9   | 7.2   | 46    | 0.73  | 0.080  |
| STD DS8             | Standard                         | 12.0  | 97.0  | 117.3 | 272   | 1.6   | 35.4  | 6.3   | 632   | 2.10  | 21.3  | 3.1   | 115.9 | 6.8   | 70    | 2.1   | 5.0   | 7.1   | 37    | 0.59  | 0.071  |
| STD DS8             | Standard                         | 13.8  | 116.7 | 133.1 | 325   | 1.8   | 40.6  | 7.8   | 615   | 2.50  | 25.4  | 3.1   | 111.8 | 7.7   | 78    | 2.4   | 6.1   | 7.6   | 44    | 0.70  | 0.081  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Project: Mariposa

Report Date: October 22, 2011

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001366.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11BH0338            | Soil                             | 20    | 43    | 0.69   | 493   | 0.068  | <1    | 1.80  | 0.029  | 0.06  | 0.1   | 0.03  | 4.1   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| REP 11BH0338        | QC                               | 19    | 41    | 0.67   | 486   | 0.063  | 1     | 1.72  | 0.028  | 0.06  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05  | 5     | <0.5  | <0.2  |
| 11BH0354            | Soil                             | 19    | 44    | 0.63   | 311   | 0.072  | <1    | 2.25  | 0.009  | 0.11  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| REP 11BH0354        | QC                               | 20    | 43    | 0.64   | 312   | 0.076  | <1    | 2.26  | 0.009  | 0.12  | 0.1   | 0.02  | 4.3   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| 11BH0373            | Soil                             | 14    | 34    | 0.57   | 295   | 0.070  | 1     | 2.13  | 0.012  | 0.10  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05  | 7     | 0.6   | <0.2  |
| REP 11BH0373        | QC                               | 14    | 33    | 0.56   | 291   | 0.069  | 1     | 2.11  | 0.012  | 0.10  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| 11BH0406            | Soil                             | 28    | 29    | 0.53   | 484   | 0.062  | <1    | 1.82  | 0.020  | 0.11  | 0.1   | 0.01  | 4.2   | 0.1   | <0.05  | 5     | <0.5  | <0.2  |
| REP 11BH0406        | QC                               | 27    | 29    | 0.52   | 481   | 0.061  | 1     | 1.72  | 0.020  | 0.11  | 0.1   | 0.02  | 4.0   | <0.1  | <0.05  | 5     | <0.5  | 0.3   |
| 11BH0422            | Soil                             | 17    | 30    | 0.45   | 213   | 0.071  | <1    | 2.30  | 0.011  | 0.11  | 0.1   | 0.04  | 3.2   | 0.2   | <0.05  | 6     | <0.5  | <0.2  |
| REP 11BH0422        | QC                               | 16    | 30    | 0.44   | 210   | 0.068  | <1    | 2.17  | 0.010  | 0.11  | 0.2   | 0.03  | 3.2   | 0.2   | <0.05  | 6     | <0.5  | <0.2  |
| 11BH0440            | Soil                             | 14    | 29    | 0.57   | 261   | 0.089  | 1     | 2.05  | 0.010  | 0.11  | 0.2   | 0.02  | 3.4   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11BH0440        | QC                               | 15    | 29    | 0.58   | 262   | 0.092  | 1     | 2.04  | 0.009  | 0.13  | 0.2   | 0.01  | 3.5   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| 11BH0453            | Soil                             | 33    | 34    | 0.77   | 303   | 0.086  | 2     | 2.02  | 0.015  | 0.36  | <0.1  | 0.02  | 5.2   | 0.3   | 0.08   | 7     | 1.0   | 0.6   |
| REP 11BH0453        | QC                               | 30    | 30    | 0.72   | 282   | 0.076  | <1    | 1.87  | 0.015  | 0.32  | 0.1   | 0.02  | 4.8   | 0.2   | 0.07   | 6     | 0.8   | 0.4   |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 16    | 118   | 0.61   | 315   | 0.118  | 3     | 0.94  | 0.102  | 0.43  | 3.2   | 0.20  | 2.6   | 5.4   | 0.17   | 5     | 4.8   | 5.0   |
| STD DS8             | Standard                         | 17    | 128   | 0.68   | 282   | 0.129  | 3     | 1.02  | 0.092  | 0.44  | 3.2   | 0.21  | 2.4   | 5.7   | 0.19   | 5     | 6.2   | 5.5   |
| STD DS8             | Standard                         | 15    | 102   | 0.55   | 254   | 0.104  | 3     | 0.80  | 0.091  | 0.35  | 2.8   | 0.18  | 1.9   | 4.9   | 0.13   | 4     | 4.1   | 5.4   |
| STD DS8             | Standard                         | 14    | 121   | 0.62   | 273   | 0.118  | 1     | 0.91  | 0.088  | 0.40  | 2.9   | 0.19  | 2.0   | 5.4   | 0.13   | 5     | 4.9   | 4.8   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Receiving Lab: Canada-Whitehorse

Received: September 14, 2011

Report Date: October 25, 2011

Page: 1 of 8

## CERTIFICATE OF ANALYSIS

WHI11001367.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-06  
P.O. Number  
Number of Samples: 182

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

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Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 178               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 178               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 178               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 178               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: October 25, 2011

Page: 2 of 8 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11JM0540 | Soil                             | 0.8        | 29.2       | 14.3       | 109      | 0.2        | 11.2       | 12.6       | 444      | 3.71      | 4.0        | 0.6        | 2.6        | 3.1        | 22       | 0.2        | 0.1        | 0.1        | 75       | 0.41      |
| 11JM0541 | Soil                             | 0.8        | 25.4       | 11.3       | 104      | 0.2        | 9.9        | 12.7       | 483      | 3.97      | 2.5        | 0.6        | 4.7        | 4.3        | 17       | 0.2        | <0.1       | <0.1       | 69       | 0.40      |
| 11JM0542 | Soil                             | 1.2        | 37.0       | 28.4       | 142      | 0.6        | 21.5       | 12.3       | 604      | 3.27      | 4.9        | 0.8        | 6.4        | 3.4        | 32       | 0.4        | 0.2        | 0.2        | 73       | 0.47      |
| 11JM0543 | Soil                             | 0.8        | 38.0       | 26.8       | 205      | 0.5        | 10.0       | 13.8       | 689      | 4.03      | 2.8        | 0.4        | 4.7        | 2.3        | 29       | 0.3        | <0.1       | 0.1        | 96       | 0.45      |
| 11JM0544 | Soil                             | 1.5        | 35.0       | 19.6       | 141      | 0.9        | 13.7       | 10.7       | 498      | 3.32      | 6.0        | 0.7        | 7.6        | 3.5        | 35       | 0.4        | 0.2        | 0.3        | 74       | 0.43      |
| 11JM0545 | Soil                             | 1.6        | 36.1       | 20.8       | 157      | 0.8        | 14.4       | 11.3       | 513      | 3.32      | 6.0        | 0.6        | 7.0        | 3.3        | 32       | 0.3        | 0.2        | 0.3        | 77       | 0.48      |
| 11JM0546 | Soil                             | 2.2        | 70.2       | 42.0       | 365      | 0.8        | 11.9       | 15.4       | 857      | 5.05      | 6.4        | 1.1        | 7.2        | 4.9        | 74       | 0.8        | 0.2        | 1.5        | 92       | 0.66      |
| 11JM0547 | Soil                             | 5.0        | 340.9      | 84.3       | 245      | 0.3        | 13.0       | 17.9       | 889      | 4.71      | 3.8        | 2.1        | 6.7        | 8.8        | 31       | 0.2        | 0.2        | 0.8        | 62       | 0.43      |
| 11JM0548 | Soil                             | 2.2        | 63.3       | 14.7       | 113      | <0.1       | 4.0        | 8.3        | 732      | 4.52      | 4.8        | 0.8        | <0.5       | 8.9        | 13       | 0.3        | 0.1        | 0.2        | 50       | 0.22      |
| 11JM0549 | Soil                             | 3.9        | 77.6       | 33.7       | 73       | 0.3        | 8.0        | 5.3        | 441      | 2.72      | 3.9        | 1.2        | 23.1       | 11.1       | 22       | <0.1       | 0.2        | 0.6        | 22       | 0.29      |
| 11JM0550 | Soil                             | 1.7        | 27.8       | 27.4       | 69       | 0.2        | 14.4       | 7.8        | 269      | 3.23      | 5.6        | 0.6        | 6.0        | 6.1        | 33       | <0.1       | 0.3        | 0.2        | 53       | 0.24      |
| 11JM0551 | Soil                             | 2.6        | 29.3       | 19.4       | 65       | 0.2        | 20.5       | 9.5        | 286      | 3.30      | 9.1        | 0.6        | 24.0       | 4.2        | 28       | 0.1        | 0.4        | 0.2        | 77       | 0.23      |
| 11JM0552 | Soil                             | 3.5        | 22.6       | 16.8       | 60       | <0.1       | 11.8       | 7.4        | 354      | 2.85      | 5.0        | 0.8        | 32.9       | 7.8        | 30       | <0.1       | 0.3        | 0.2        | 42       | 0.21      |
| 11JM0553 | Soil                             | 4.1        | 27.4       | 18.0       | 61       | 0.2        | 22.7       | 8.6        | 348      | 3.31      | 10.1       | 1.0        | 42.5       | 8.0        | 29       | <0.1       | 0.5        | 0.2        | 63       | 0.27      |
| 11JM0554 | Soil                             | 3.6        | 21.4       | 13.7       | 56       | 0.1        | 18.7       | 8.3        | 287      | 3.15      | 9.4        | 0.8        | 66.7       | 5.8        | 23       | 0.1        | 0.5        | 0.2        | 63       | 0.20      |
| 11JM0555 | Soil                             | 4.9        | 30.2       | 22.7       | 79       | 0.1        | 12.7       | 7.5        | 372      | 2.79      | 4.9        | 1.0        | 19.6       | 7.3        | 28       | 0.1        | 0.3        | 0.3        | 49       | 0.25      |
| 11JM0556 | Soil                             | 6.7        | 48.5       | 17.8       | 88       | 0.1        | 13.7       | 7.5        | 353      | 3.49      | 7.0        | 1.1        | 23.0       | 6.6        | 27       | 0.1        | 0.4        | 0.4        | 59       | 0.27      |
| 11JM0557 | Soil                             | 7.0        | 40.2       | 14.9       | 77       | <0.1       | 15.4       | 7.6        | 383      | 2.94      | 4.3        | 1.3        | 13.0       | 8.6        | 25       | <0.1       | 0.3        | 0.3        | 43       | 0.25      |
| 11JM0558 | Soil                             | 16.8       | 23.8       | 19.5       | 49       | 0.1        | 19.0       | 7.6        | 267      | 2.89      | 8.0        | 0.7        | 53.0       | 6.9        | 17       | <0.1       | 0.4        | 0.2        | 48       | 0.16      |
| 11JM0559 | Soil                             | 7.0        | 28.3       | 14.4       | 68       | <0.1       | 11.2       | 6.8        | 338      | 2.51      | 4.3        | 0.8        | 161.9      | 7.6        | 41       | 0.1        | 0.3        | 0.2        | 39       | 0.19      |
| 11JM0560 | Soil                             | 8.3        | 70.6       | 22.8       | 105      | 0.2        | 12.5       | 8.4        | 413      | 3.47      | 3.3        | 1.7        | 14.5       | 9.8        | 40       | 0.1        | 0.3        | 0.4        | 43       | 0.28      |
| 11JM0561 | Soil                             | 1.6        | 29.8       | 23.7       | 77       | 0.1        | 37.8       | 12.2       | 398      | 3.55      | 6.9        | 0.9        | 164.3      | 8.2        | 21       | <0.1       | 0.4        | 0.3        | 64       | 0.22      |
| 11JM0562 | Soil                             | 3.0        | 38.0       | 38.4       | 70       | 0.4        | 22.0       | 10.8       | 529      | 3.06      | 7.4        | 1.7        | 84.6       | 7.4        | 29       | 0.2        | 0.3        | 0.3        | 63       | 0.34      |
| 11JM0563 | Soil                             | 0.4        | 33.7       | 10.4       | 100      | <0.1       | 14.5       | 11.3       | 396      | 3.03      | 1.5        | 0.4        | 1.8        | 1.5        | 27       | <0.1       | <0.1       | <0.1       | 82       | 0.57      |
| 11JM0564 | Soil                             | 0.3        | 38.5       | 7.3        | 59       | <0.1       | 18.9       | 14.0       | 336      | 2.93      | 3.1        | 0.3        | 1.4        | 1.4        | 26       | <0.1       | 0.1        | <0.1       | 78       | 0.57      |
| 11JM0565 | Soil                             | 0.2        | 67.7       | 3.6        | 94       | <0.1       | 29.5       | 18.9       | 432      | 4.28      | 1.2        | 0.3        | 0.8        | 0.8        | 39       | <0.1       | <0.1       | <0.1       | 107      | 0.92      |
| 11JM0566 | Soil                             | 0.2        | 64.1       | 5.8        | 85       | <0.1       | 27.0       | 18.9       | 454      | 3.99      | 1.3        | 0.3        | 1.0        | 0.9        | 39       | <0.1       | <0.1       | <0.1       | 103      | 0.87      |
| 11JM0567 | Soil                             | 0.2        | 23.6       | 3.3        | 97       | <0.1       | 18.7       | 16.4       | 530      | 4.30      | 1.5        | 0.3        | 1.7        | 2.0        | 18       | <0.1       | <0.1       | <0.1       | 66       | 0.60      |
| 11JM0568 | Soil                             | 0.6        | 24.4       | 9.2        | 84       | <0.1       | 10.7       | 17.0       | 453      | 4.13      | 3.6        | 0.3        | <0.5       | 1.1        | 32       | <0.1       | 0.2        | <0.1       | 102      | 0.65      |
| 11JM0569 | Soil                             | 0.5        | 30.9       | 7.8        | 105      | 0.1        | 8.5        | 22.7       | 583      | 5.30      | 2.3        | 0.2        | <0.5       | 0.9        | 50       | <0.1       | 0.1        | <0.1       | 131      | 0.79      |





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Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11JM0540 | Soil                             | 11    | 21    | 1.02  | 329   | 0.202 | 1     | 2.40  | 0.017 | 0.53  | 0.1   | <0.01 | 3.0   | 0.3   | <0.05 | 6     | 0.9   | <0.2  |
| 11JM0541 | Soil                             | 11    | 21    | 1.08  | 331   | 0.255 | <1    | 2.52  | 0.018 | 0.92  | 0.1   | <0.01 | 3.0   | 0.5   | <0.05 | 7     | 0.7   | <0.2  |
| 11JM0542 | Soil                             | 15    | 34    | 0.96  | 320   | 0.141 | 1     | 1.91  | 0.021 | 0.21  | 0.2   | 0.02  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0543 | Soil                             | 11    | 24    | 1.43  | 375   | 0.249 | <1    | 2.63  | 0.017 | 0.89  | 0.2   | <0.01 | 3.6   | 0.5   | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0544 | Soil                             | 14    | 26    | 0.88  | 265   | 0.153 | 2     | 1.92  | 0.017 | 0.19  | 0.1   | 0.02  | 3.1   | 0.2   | <0.05 | 7     | <0.5  | 0.3   |
| 11JM0545 | Soil                             | 14    | 26    | 0.91  | 268   | 0.161 | 1     | 1.94  | 0.031 | 0.21  | 0.1   | <0.01 | 3.1   | 0.1   | <0.05 | 6     | <0.5  | 0.2   |
| 11JM0546 | Soil                             | 23    | 25    | 1.58  | 482   | 0.288 | 1     | 2.83  | 0.025 | 1.00  | 0.2   | 0.01  | 4.7   | 0.7   | <0.05 | 10    | 0.6   | 1.8   |
| 11JM0547 | Soil                             | 56    | 31    | 1.21  | 405   | 0.184 | <1    | 2.35  | 0.016 | 0.80  | <0.1  | <0.01 | 3.9   | 0.8   | <0.05 | 8     | 1.3   | 0.6   |
| 11JM0548 | Soil                             | 11    | 8     | 0.75  | 239   | 0.282 | <1    | 2.07  | 0.009 | 1.04  | 0.2   | <0.01 | 5.0   | 0.6   | <0.05 | 9     | 0.6   | <0.2  |
| 11JM0549 | Soil                             | 43    | 14    | 0.35  | 548   | 0.018 | <1    | 1.45  | 0.007 | 0.16  | <0.1  | 0.01  | 3.7   | 0.1   | <0.05 | 4     | 0.5   | 0.2   |
| 11JM0550 | Soil                             | 13    | 29    | 0.61  | 256   | 0.059 | <1    | 2.65  | 0.011 | 0.15  | <0.1  | 0.02  | 3.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0551 | Soil                             | 14    | 34    | 0.63  | 292   | 0.076 | 2     | 2.14  | 0.012 | 0.09  | 0.2   | 0.01  | 3.9   | 0.1   | <0.05 | 7     | 1.0   | <0.2  |
| 11JM0552 | Soil                             | 17    | 20    | 0.46  | 349   | 0.034 | 1     | 2.12  | 0.010 | 0.14  | <0.1  | 0.02  | 2.9   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0553 | Soil                             | 18    | 38    | 0.52  | 509   | 0.045 | 2     | 2.25  | 0.012 | 0.07  | 0.1   | 0.03  | 4.2   | 0.1   | <0.05 | 5     | 0.9   | <0.2  |
| 11JM0554 | Soil                             | 14    | 31    | 0.47  | 256   | 0.051 | 1     | 2.17  | 0.011 | 0.06  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11JM0555 | Soil                             | 22    | 23    | 0.47  | 369   | 0.064 | <1    | 1.58  | 0.010 | 0.11  | 0.1   | 0.01  | 2.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0556 | Soil                             | 17    | 25    | 0.49  | 227   | 0.068 | 1     | 1.74  | 0.010 | 0.14  | 0.1   | 0.02  | 2.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0557 | Soil                             | 26    | 25    | 0.44  | 404   | 0.059 | 1     | 1.65  | 0.009 | 0.13  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0558 | Soil                             | 17    | 29    | 0.44  | 457   | 0.027 | 2     | 2.02  | 0.009 | 0.09  | <0.1  | 0.01  | 3.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0559 | Soil                             | 19    | 19    | 0.38  | 316   | 0.053 | <1    | 1.39  | 0.008 | 0.10  | 0.1   | 0.01  | 2.3   | 0.1   | <0.05 | 4     | 0.7   | <0.2  |
| 11JM0560 | Soil                             | 36    | 21    | 0.48  | 495   | 0.072 | 1     | 1.72  | 0.011 | 0.18  | 0.1   | 0.02  | 3.5   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0561 | Soil                             | 21    | 64    | 0.91  | 319   | 0.078 | 1     | 2.50  | 0.010 | 0.08  | 0.1   | 0.02  | 3.9   | 0.2   | <0.05 | 7     | 0.8   | <0.2  |
| 11JM0562 | Soil                             | 40    | 40    | 0.58  | 500   | 0.058 | <1    | 2.20  | 0.012 | 0.07  | 0.1   | 0.03  | 4.7   | 0.1   | <0.05 | 7     | 0.9   | <0.2  |
| 11JM0563 | Soil                             | 6     | 25    | 0.93  | 211   | 0.131 | <1    | 1.94  | 0.022 | 0.28  | <0.1  | 0.01  | 6.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0564 | Soil                             | 5     | 40    | 0.98  | 167   | 0.116 | 1     | 2.08  | 0.034 | 0.06  | <0.1  | <0.01 | 4.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0565 | Soil                             | 4     | 48    | 1.24  | 179   | 0.110 | <1    | 2.61  | 0.025 | 0.18  | <0.1  | <0.01 | 4.8   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11JM0566 | Soil                             | 4     | 47    | 1.15  | 165   | 0.103 | <1    | 2.57  | 0.031 | 0.12  | <0.1  | 0.01  | 5.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0567 | Soil                             | 5     | 36    | 1.21  | 290   | 0.212 | <1    | 2.55  | 0.015 | 0.66  | <0.1  | <0.01 | 3.9   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0568 | Soil                             | 5     | 19    | 1.27  | 174   | 0.265 | <1    | 2.46  | 0.019 | 0.20  | 0.1   | <0.01 | 4.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0569 | Soil                             | 4     | 12    | 1.71  | 342   | 0.374 | <1    | 3.59  | 0.021 | 0.75  | 0.2   | 0.01  | 3.1   | 0.4   | <0.05 | 9     | <0.5  | <0.2  |



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Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11JM0570 | Soil                             | 0.6   | 36.3  | 10.7  | 100   | <0.1  | 10.9  | 17.0  | 552   | 4.79  | 4.2   | 0.3   | 2.4   | 1.4   | 19    | <0.1  | 0.2   | <0.1  | 106   | 0.36  | 0.057 |
| 11JM0571 | Soil                             | 0.8   | 26.4  | 12.7  | 94    | <0.1  | 12.8  | 16.9  | 511   | 4.67  | 5.4   | 0.3   | 0.6   | 1.6   | 28    | 0.1   | 0.2   | <0.1  | 117   | 0.31  | 0.029 |
| 11JM0572 | Soil                             | 0.7   | 20.7  | 11.8  | 111   | <0.1  | 10.2  | 17.5  | 570   | 5.13  | 4.1   | 0.3   | <0.5  | 1.9   | 19    | 0.2   | 0.1   | <0.1  | 97    | 0.31  | 0.042 |
| 11JM0573 | Soil                             | 1.1   | 26.0  | 36.7  | 112   | 0.1   | 20.5  | 11.9  | 483   | 3.56  | 8.0   | 0.5   | 1.5   | 2.9   | 26    | 0.3   | 0.3   | 0.2   | 83    | 0.32  | 0.028 |
| 11JM0574 | Soil                             | 1.9   | 30.0  | 39.2  | 266   | 0.1   | 24.3  | 15.6  | 836   | 3.90  | 4.4   | 0.4   | <0.5  | 2.8   | 27    | 0.5   | 0.2   | 0.2   | 82    | 0.38  | 0.047 |
| 11JM0575 | Soil                             | 1.0   | 26.9  | 12.1  | 112   | <0.1  | 21.3  | 13.3  | 432   | 3.12  | 6.9   | 0.6   | 1.4   | 3.7   | 21    | 0.2   | 0.3   | 0.1   | 70    | 0.27  | 0.025 |
| 11JM0576 | Soil                             | 1.6   | 17.3  | 11.2  | 219   | <0.1  | 10.6  | 13.8  | 752   | 4.55  | 2.1   | 0.4   | <0.5  | 2.7   | 25    | 0.2   | 0.3   | <0.1  | 104   | 0.20  | 0.017 |
| 11JM0577 | Soil                             | 0.8   | 25.9  | 10.7  | 65    | 0.1   | 25.5  | 11.3  | 502   | 2.91  | 7.2   | 0.7   | 2.9   | 3.3   | 28    | 0.1   | 0.4   | 0.2   | 60    | 0.38  | 0.040 |
| 11JM0578 | Soil                             | 1.4   | 30.7  | 17.4  | 75    | <0.1  | 36.0  | 11.6  | 548   | 3.09  | 8.0   | 0.9   | 8.0   | 4.7   | 25    | 0.1   | 0.5   | 0.3   | 60    | 0.32  | 0.046 |
| 11JM0579 | Soil                             | 1.7   | 28.9  | 16.3  | 148   | 0.2   | 18.1  | 11.9  | 566   | 3.82  | 6.7   | 1.1   | 9.9   | 5.5   | 24    | 0.2   | 0.4   | 0.5   | 63    | 0.31  | 0.034 |
| 11JM0580 | Soil                             | 2.1   | 119.2 | 32.6  | 227   | 0.4   | 17.5  | 19.1  | 696   | 6.35  | 7.4   | 2.2   | 31.5  | 9.6   | 22    | 0.9   | 0.3   | 0.9   | 50    | 0.26  | 0.082 |
| 11JM0581 | Soil                             | 1.3   | 59.9  | 12.5  | 84    | 0.2   | 26.1  | 16.7  | 434   | 4.51  | 5.3   | 0.8   | 10.4  | 5.9   | 30    | 0.3   | 0.1   | 0.2   | 86    | 0.45  | 0.049 |
| 11JM0582 | Soil                             | 1.0   | 17.8  | 25.2  | 59    | <0.1  | 19.6  | 9.4   | 485   | 3.14  | 9.6   | 4.5   | 3.8   | 14.9  | 25    | <0.1  | 0.5   | 0.6   | 74    | 0.34  | 0.040 |
| 11JM0583 | Soil                             | 0.7   | 17.0  | 21.7  | 52    | <0.1  | 19.9  | 9.4   | 459   | 2.75  | 8.3   | 2.9   | 4.4   | 14.4  | 25    | <0.1  | 0.4   | 0.4   | 62    | 0.34  | 0.042 |
| 11JM0584 | Soil                             | 0.7   | 22.6  | 21.7  | 55    | <0.1  | 19.2  | 10.6  | 539   | 2.95  | 8.0   | 7.3   | 5.1   | 16.2  | 25    | <0.1  | 0.4   | 0.5   | 66    | 0.35  | 0.054 |
| 11JM0585 | Soil                             | 0.7   | 25.3  | 17.9  | 55    | <0.1  | 22.4  | 10.7  | 499   | 2.80  | 7.6   | 2.6   | 3.8   | 6.5   | 32    | <0.1  | 0.4   | 0.3   | 65    | 0.40  | 0.052 |
| 11JM0586 | Soil                             | 0.7   | 24.2  | 10.7  | 56    | <0.1  | 19.3  | 12.2  | 424   | 3.12  | 7.0   | 1.3   | 6.1   | 6.2   | 30    | <0.1  | 0.3   | 0.2   | 74    | 0.40  | 0.044 |
| 11JM0587 | Soil                             | 0.7   | 36.6  | 12.5  | 57    | 0.1   | 23.2  | 13.1  | 488   | 3.11  | 5.3   | 0.7   | 4.5   | 3.3   | 35    | <0.1  | 0.3   | 0.5   | 82    | 0.50  | 0.033 |
| 11JM0588 | Soil                             | 0.7   | 32.4  | 8.7   | 59    | 0.1   | 22.0  | 12.3  | 480   | 3.24  | 6.9   | 0.8   | 2.5   | 2.6   | 30    | <0.1  | 1.4   | 0.3   | 74    | 0.74  | 0.042 |
| 11JM0589 | Soil                             | 1.2   | 31.1  | 13.8  | 162   | <0.1  | 17.6  | 11.2  | 1317  | 4.36  | 6.4   | 0.8   | 1.5   | 4.1   | 18    | <0.1  | 0.7   | 0.2   | 54    | 0.21  | 0.039 |
| 11JM0590 | Soil                             | 0.7   | 30.3  | 12.2  | 192   | <0.1  | 8.8   | 5.3   | 1532  | 5.49  | 3.0   | 1.0   | <0.5  | 3.9   | 17    | 0.2   | 0.8   | 0.2   | 23    | 0.24  | 0.052 |
| 11JM0591 | Soil                             | 0.8   | 32.1  | 9.8   | 128   | <0.1  | 20.7  | 8.0   | 838   | 4.14  | 4.9   | 1.1   | 1.1   | 5.4   | 18    | <0.1  | 0.6   | 0.1   | 47    | 0.22  | 0.038 |
| 11JM0592 | Soil                             | 1.2   | 24.3  | 10.1  | 74    | 0.1   | 20.2  | 9.8   | 440   | 3.28  | 9.0   | 0.9   | 2.7   | 4.9   | 17    | <0.1  | 0.6   | 0.2   | 61    | 0.16  | 0.030 |
| 11JM0593 | Soil                             | 0.2   | 13.6  | 3.8   | 1508  | <0.1  | 15.3  | 15.2  | 2335  | 5.17  | 1.4   | 0.3   | <0.5  | 0.8   | 31    | 2.2   | 0.3   | <0.1  | 88    | 1.19  | 0.269 |
| 11JM0594 | Soil                             | 0.7   | 30.2  | 8.3   | 66    | <0.1  | 16.3  | 14.7  | 376   | 3.83  | 7.0   | 1.1   | 0.8   | 9.1   | 13    | <0.1  | 0.5   | 0.1   | 52    | 0.16  | 0.041 |
| 11JM0595 | Soil                             | 0.6   | 29.9  | 8.8   | 45    | <0.1  | 22.2  | 10.6  | 280   | 2.54  | 5.9   | 0.5   | 4.1   | 2.6   | 47    | <0.1  | 0.3   | <0.1  | 67    | 0.32  | 0.018 |
| 11JM0596 | Soil                             | 0.8   | 30.9  | 9.0   | 57    | <0.1  | 28.7  | 14.2  | 459   | 3.45  | 8.3   | 0.9   | 3.7   | 4.0   | 30    | <0.1  | 0.3   | 0.2   | 82    | 0.39  | 0.030 |
| 11JM0597 | Soil                             | 0.2   | 16.5  | 4.5   | 65    | <0.1  | 6.3   | 14.5  | 672   | 3.84  | 2.4   | 0.7   | 3.1   | 7.0   | 23    | <0.1  | 0.7   | <0.1  | 62    | 0.35  | 0.070 |
| 11JM0598 | Soil                             | 0.5   | 18.9  | 6.4   | 62    | <0.1  | 12.0  | 13.4  | 453   | 2.87  | 3.9   | 0.5   | <0.5  | 6.0   | 34    | <0.1  | 0.2   | <0.1  | 52    | 0.39  | 0.050 |
| 11JM0599 | Soil                             | 0.5   | 19.6  | 8.5   | 72    | <0.1  | 15.1  | 13.5  | 516   | 3.43  | 5.1   | 0.8   | 0.7   | 6.4   | 26    | <0.1  | 0.3   | 0.1   | 66    | 0.33  | 0.033 |



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Project: Mariposa  
Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11JM0570 | Soil                             | 4     | 16    | 1.33  | 227   | 0.313 | 2     | 3.12  | 0.016 | 0.67  | 0.2   | <0.01 | 3.3   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0571 | Soil                             | 5     | 21    | 1.50  | 206   | 0.313 | 1     | 3.15  | 0.018 | 0.37  | 0.2   | 0.02  | 3.3   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11JM0572 | Soil                             | 6     | 17    | 1.47  | 246   | 0.309 | <1    | 2.97  | 0.013 | 0.78  | 0.2   | <0.01 | 3.9   | 0.4   | <0.05 | 9     | 0.6   | <0.2  |
| 11JM0573 | Soil                             | 9     | 35    | 0.88  | 195   | 0.100 | <1    | 2.43  | 0.013 | 0.07  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0574 | Soil                             | 10    | 36    | 1.44  | 237   | 0.147 | <1    | 2.85  | 0.012 | 0.08  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0575 | Soil                             | 8     | 29    | 0.95  | 213   | 0.133 | 1     | 2.45  | 0.017 | 0.07  | 0.1   | 0.01  | 3.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0576 | Soil                             | 10    | 21    | 1.61  | 225   | 0.218 | 2     | 3.48  | 0.011 | 0.35  | 0.1   | 0.02  | 3.0   | 0.4   | <0.05 | 9     | 0.6   | <0.2  |
| 11JM0577 | Soil                             | 15    | 36    | 0.67  | 315   | 0.071 | 3     | 1.89  | 0.015 | 0.05  | 0.1   | 0.04  | 5.0   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11JM0578 | Soil                             | 25    | 46    | 0.64  | 423   | 0.064 | 3     | 1.93  | 0.012 | 0.06  | 0.1   | 0.04  | 6.9   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11JM0579 | Soil                             | 21    | 34    | 0.85  | 309   | 0.045 | 2     | 2.48  | 0.012 | 0.08  | <0.1  | 0.04  | 6.2   | 0.2   | <0.05 | 7     | 0.5   | <0.2  |
| 11JM0580 | Soil                             | 17    | 28    | 0.88  | 235   | 0.080 | 2     | 2.26  | 0.017 | 0.09  | <0.1  | 0.03  | 5.0   | <0.1  | 0.05  | 9     | 1.3   | 0.4   |
| 11JM0581 | Soil                             | 17    | 127   | 1.81  | 397   | 0.205 | 2     | 3.00  | 0.025 | 0.39  | 0.1   | 0.04  | 7.0   | 0.5   | <0.05 | 10    | 0.6   | <0.2  |
| 11JM0582 | Soil                             | 13    | 39    | 0.57  | 228   | 0.053 | 2     | 2.50  | 0.010 | 0.05  | 0.2   | 0.03  | 4.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0583 | Soil                             | 13    | 38    | 0.56  | 202   | 0.071 | 2     | 1.99  | 0.012 | 0.05  | 0.2   | 0.03  | 3.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0584 | Soil                             | 22    | 40    | 0.56  | 249   | 0.059 | <1    | 2.36  | 0.013 | 0.05  | 0.1   | 0.04  | 6.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0585 | Soil                             | 16    | 41    | 0.59  | 241   | 0.078 | 2     | 2.08  | 0.018 | 0.05  | 0.1   | 0.05  | 5.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0586 | Soil                             | 13    | 37    | 0.71  | 181   | 0.094 | 2     | 2.14  | 0.015 | 0.04  | 0.3   | 0.02  | 4.6   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11JM0587 | Soil                             | 10    | 49    | 0.90  | 224   | 0.116 | 2     | 2.54  | 0.017 | 0.04  | 0.3   | 0.02  | 5.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0588 | Soil                             | 10    | 35    | 0.76  | 395   | 0.043 | 1     | 2.07  | 0.015 | 0.06  | 0.2   | 0.05  | 7.0   | <0.1  | <0.05 | 6     | 0.9   | <0.2  |
| 11JM0589 | Soil                             | 17    | 30    | 0.59  | 432   | 0.037 | 1     | 2.16  | 0.008 | 0.06  | <0.1  | 0.03  | 5.5   | <0.1  | <0.05 | 7     | 1.0   | <0.2  |
| 11JM0590 | Soil                             | 32    | 13    | 0.28  | 495   | 0.022 | 1     | 1.18  | 0.009 | 0.13  | 0.1   | 0.02  | 12.9  | 0.1   | <0.05 | 5     | 1.1   | <0.2  |
| 11JM0591 | Soil                             | 40    | 31    | 0.47  | 591   | 0.040 | 2     | 2.08  | 0.009 | 0.07  | 0.1   | 0.06  | 10.7  | 0.1   | <0.05 | 7     | 1.2   | <0.2  |
| 11JM0592 | Soil                             | 13    | 36    | 0.51  | 227   | 0.056 | 1     | 2.47  | 0.014 | 0.05  | 0.2   | 0.04  | 5.0   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11JM0593 | Soil                             | 15    | 21    | 1.47  | 314   | 0.010 | 1     | 3.13  | 0.018 | 0.06  | <0.1  | 0.06  | 17.4  | <0.1  | <0.05 | 12    | 0.7   | <0.2  |
| 11JM0594 | Soil                             | 9     | 33    | 0.60  | 139   | 0.016 | 1     | 2.06  | 0.006 | 0.12  | <0.1  | 0.02  | 5.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0595 | Soil                             | 10    | 37    | 0.70  | 173   | 0.084 | 1     | 1.90  | 0.016 | 0.03  | <0.1  | 0.03  | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0596 | Soil                             | 16    | 51    | 0.96  | 266   | 0.107 | <1    | 2.58  | 0.016 | 0.05  | 0.1   | 0.03  | 7.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0597 | Soil                             | 26    | 9     | 1.14  | 324   | 0.045 | <1    | 2.08  | 0.006 | 0.23  | <0.1  | <0.01 | 4.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0598 | Soil                             | 14    | 20    | 0.96  | 135   | 0.036 | <1    | 2.20  | 0.009 | 0.05  | <0.1  | 0.03  | 2.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0599 | Soil                             | 19    | 24    | 1.02  | 275   | 0.061 | <1    | 2.23  | 0.010 | 0.13  | <0.1  | 0.03  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11JM0600 | Soil                             | 0.2        | 12.3       | 12.6       | 84       | <0.1       | 4.6        | 9.3        | 377      | 2.92      | 1.8        | 1.5        | <0.5       | 25.2       | 14       | <0.1       | 0.2        | <0.1       | 31       | 0.15      |
| 11JM0601 | Soil                             | 0.6        | 12.9       | 8.6        | 71       | <0.1       | 15.5       | 11.5       | 447      | 3.16      | 5.4        | 0.8        | 0.9        | 9.6        | 20       | <0.1       | 0.3        | 0.1        | 53       | 0.26      |
| 11JM0602 | Soil                             | 0.5        | 18.7       | 7.3        | 88       | <0.1       | 16.0       | 11.8       | 697      | 3.33      | 4.6        | 1.2        | <0.5       | 13.1       | 23       | <0.1       | 0.3        | <0.1       | 56       | 0.30      |
| 11JM0603 | Soil                             | 0.4        | 16.0       | 7.9        | 80       | <0.1       | 13.3       | 12.3       | 584      | 3.52      | 5.2        | 1.0        | 0.6        | 12.0       | 28       | <0.1       | 0.3        | <0.1       | 58       | 0.45      |
| 11JM0604 | Soil                             | 0.6        | 10.1       | 9.2        | 56       | <0.1       | 15.2       | 7.6        | 211      | 2.74      | 7.2        | 0.6        | 4.4        | 4.0        | 24       | <0.1       | 0.3        | 0.1        | 61       | 0.30      |
| 11JM0605 | Soil                             | 0.5        | 8.9        | 7.2        | 88       | <0.1       | 11.1       | 14.8       | 649      | 3.58      | 4.0        | 0.5        | 1.9        | 11.7       | 23       | <0.1       | 0.2        | <0.1       | 55       | 0.34      |
| 11JM0606 | Soil                             | 0.6        | 10.4       | 9.0        | 71       | <0.1       | 15.2       | 11.3       | 489      | 3.15      | 4.6        | 0.6        | 1.0        | 7.0        | 24       | <0.1       | 0.2        | <0.1       | 58       | 0.31      |
| 11JM0607 | Soil                             | 0.4        | 8.2        | 9.3        | 102      | <0.1       | 8.8        | 16.3       | 936      | 4.25      | 2.6        | 0.6        | 2.1        | 11.5       | 29       | <0.1       | 0.1        | <0.1       | 67       | 0.46      |
| 11JM0608 | Soil                             | 0.6        | 13.9       | 4.2        | 38       | <0.1       | 7.5        | 9.6        | 334      | 2.52      | 2.8        | 0.4        | <0.5       | 3.3        | 54       | <0.1       | 0.1        | <0.1       | 57       | 0.51      |
| 11JM0609 | Soil                             | 0.6        | 16.3       | 7.6        | 59       | <0.1       | 15.2       | 12.8       | 360      | 3.24      | 5.5        | 0.6        | 1.4        | 4.1        | 26       | <0.1       | 0.2        | 0.1        | 72       | 0.34      |
| 11JM0610 | Soil                             | 0.3        | 47.2       | 7.0        | 83       | <0.1       | 17.1       | 19.7       | 883      | 5.20      | 1.7        | 0.6        | <0.5       | 4.8        | 28       | <0.1       | <0.1       | <0.1       | 89       | 0.64      |
| 11JM0611 | Soil                             | 0.3        | 25.7       | 6.0        | 77       | <0.1       | 12.4       | 16.7       | 750      | 4.81      | 1.0        | 0.9        | 1.3        | 7.6        | 22       | <0.1       | <0.1       | <0.1       | 80       | 0.62      |
| 11JM0612 | Soil                             | 1.0        | 13.9       | 6.1        | 62       | <0.1       | 12.4       | 12.7       | 487      | 3.36      | 5.3        | 0.9        | 1.7        | 6.7        | 26       | <0.1       | 0.2        | <0.1       | 62       | 0.49      |
| 11JM0613 | Soil                             | 0.5        | 15.4       | 10.8       | 74       | <0.1       | 6.3        | 16.2       | 652      | 3.95      | 1.2        | 1.0        | <0.5       | 5.0        | 27       | <0.1       | <0.1       | <0.1       | 75       | 0.50      |
| 11JM0614 | Soil                             | 1.0        | 12.6       | 8.5        | 61       | <0.1       | 11.1       | 11.9       | 481      | 3.66      | 4.8        | 1.1        | <0.5       | 13.5       | 20       | <0.1       | 0.2        | <0.1       | 67       | 0.28      |
| 11JM0615 | Soil                             | 0.9        | 19.6       | 10.3       | 56       | <0.1       | 11.9       | 11.2       | 447      | 2.98      | 5.2        | 2.8        | 2.4        | 11.3       | 28       | <0.1       | 0.2        | <0.1       | 61       | 0.44      |
| 11JM0616 | Soil                             | 0.6        | 14.9       | 5.7        | 60       | <0.1       | 9.9        | 11.0       | 506      | 2.98      | 4.1        | 1.9        | <0.5       | 10.1       | 26       | <0.1       | 0.2        | <0.1       | 60       | 0.47      |
| 11JM0617 | Soil                             | 0.3        | 16.0       | 6.1        | 65       | <0.1       | 6.5        | 14.6       | 604      | 3.55      | 2.7        | 0.6        | 1.0        | 9.0        | 18       | <0.1       | 0.2        | <0.1       | 65       | 0.34      |
| 11JM0618 | Soil                             | 1.2        | 24.8       | 4.0        | 78       | <0.1       | 7.4        | 15.0       | 455      | 4.21      | 3.5        | 0.8        | <0.5       | 5.3        | 25       | <0.1       | 0.4        | <0.1       | 92       | 0.40      |
| 11JM0619 | Soil                             | 2.8        | 31.6       | 5.4        | 68       | <0.1       | 8.0        | 13.4       | 681      | 4.00      | 2.5        | 0.7        | 2.0        | 4.2        | 28       | <0.1       | 0.2        | <0.1       | 61       | 0.52      |
| 11JM0620 | Soil                             | 0.2        | 6.5        | 4.2        | 72       | <0.1       | 3.8        | 12.9       | 548      | 3.33      | 1.9        | 0.4        | <0.5       | 5.2        | 41       | <0.1       | <0.1       | <0.1       | 41       | 0.40      |
| 11JM0621 | Soil                             | 0.3        | 17.0       | 8.2        | 49       | <0.1       | 7.1        | 11.1       | 846      | 3.35      | 3.8        | 1.0        | 19.3       | 11.2       | 22       | <0.1       | <0.1       | <0.1       | 62       | 0.52      |
| 11JM0622 | Soil                             | 0.8        | 12.2       | 5.0        | 70       | <0.1       | 7.1        | 12.3       | 458      | 3.57      | 3.7        | 0.5        | <0.5       | 4.0        | 26       | 0.1        | 0.2        | <0.1       | 72       | 0.51      |
| 11JM0623 | Soil                             | 0.9        | 12.5       | 5.8        | 52       | <0.1       | 9.2        | 10.5       | 401      | 2.73      | 5.0        | 0.6        | <0.5       | 5.9        | 25       | <0.1       | 0.2        | <0.1       | 54       | 0.40      |
| 11JM0624 | Soil                             | 1.0        | 12.3       | 5.3        | 79       | <0.1       | 4.3        | 14.8       | 685      | 3.96      | 2.3        | 0.7        | <0.5       | 16.2       | 25       | <0.1       | <0.1       | <0.1       | 73       | 0.48      |
| 11JM0625 | Soil                             | 1.4        | 11.6       | 8.4        | 74       | <0.1       | 5.0        | 14.6       | 621      | 3.90      | 1.6        | 0.8        | 1.2        | 9.6        | 23       | <0.1       | <0.1       | <0.1       | 59       | 0.40      |
| 11JM0626 | Soil                             | 0.9        | 26.3       | 7.2        | 66       | <0.1       | 7.9        | 16.2       | 641      | 4.50      | 3.7        | 0.9        | <0.5       | 11.8       | 25       | <0.1       | 0.1        | <0.1       | 76       | 0.37      |
| 11JM0627 | Soil                             | 0.6        | 10.1       | 6.4        | 104      | <0.1       | 5.9        | 19.2       | 935      | 5.10      | 5.2        | 0.7        | <0.5       | 9.9        | 58       | <0.1       | 0.1        | <0.1       | 64       | 0.59      |
| 11JM0628 | Soil                             | 0.8        | 9.3        | 6.6        | 71       | <0.1       | 7.0        | 12.6       | 464      | 3.61      | 3.4        | 0.7        | 0.7        | 4.4        | 33       | <0.1       | 0.1        | <0.1       | 61       | 0.48      |
| 11JM0629 | Soil                             | 0.5        | 9.7        | 4.5        | 75       | <0.1       | 5.6        | 17.6       | 596      | 4.25      | 1.8        | 0.4        | 1.4        | 9.8        | 29       | <0.1       | <0.1       | <0.1       | 73       | 0.59      |



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**Project:** Mariposa  
**Report Date:** October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 11JM0600 | Soil                             | 55    | 9     | 0.40  | 122   | 0.008 | <1    | 1.97  | 0.008 | 0.18  | <0.1  | 0.02  | 3.1   | 0.1   | <0.05 | 5     | 0.9   |
| 11JM0601 | Soil                             | 29    | 23    | 0.65  | 189   | 0.081 | 1     | 2.24  | 0.012 | 0.23  | <0.1  | 0.02  | 3.1   | 0.2   | <0.05 | 6     | <0.5  |
| 11JM0602 | Soil                             | 42    | 21    | 0.78  | 249   | 0.146 | <1    | 2.14  | 0.014 | 0.37  | 0.1   | 0.03  | 4.4   | 0.3   | <0.05 | 6     | <0.5  |
| 11JM0603 | Soil                             | 46    | 20    | 0.79  | 254   | 0.112 | 1     | 1.96  | 0.009 | 0.32  | 0.1   | 0.02  | 4.6   | 0.3   | <0.05 | 6     | <0.5  |
| 11JM0604 | Soil                             | 15    | 25    | 0.55  | 152   | 0.084 | 3     | 1.77  | 0.010 | 0.07  | 0.1   | 0.04  | 2.7   | 0.1   | <0.05 | 6     | 0.6   |
| 11JM0605 | Soil                             | 27    | 18    | 0.99  | 159   | 0.184 | <1    | 2.43  | 0.008 | 0.82  | <0.1  | 0.01  | 1.8   | 0.4   | <0.05 | 6     | <0.5  |
| 11JM0606 | Soil                             | 17    | 27    | 0.81  | 178   | 0.110 | <1    | 2.14  | 0.009 | 0.32  | 0.1   | 0.03  | 2.4   | 0.2   | <0.05 | 6     | <0.5  |
| 11JM0607 | Soil                             | 27    | 14    | 1.24  | 206   | 0.215 | <1    | 2.69  | 0.010 | 1.07  | <0.1  | <0.01 | 1.9   | 0.5   | <0.05 | 8     | <0.5  |
| 11JM0608 | Soil                             | 10    | 13    | 0.58  | 192   | 0.052 | <1    | 1.53  | 0.013 | 0.07  | <0.1  | 0.02  | 3.3   | <0.1  | <0.05 | 5     | <0.5  |
| 11JM0609 | Soil                             | 15    | 26    | 0.84  | 306   | 0.111 | <1    | 2.13  | 0.014 | 0.10  | 0.1   | <0.01 | 3.7   | <0.1  | <0.05 | 6     | <0.5  |
| 11JM0610 | Soil                             | 19    | 45    | 1.57  | 913   | 0.056 | <1    | 2.56  | 0.009 | 0.40  | <0.1  | <0.01 | 7.2   | <0.1  | <0.05 | 8     | <0.5  |
| 11JM0611 | Soil                             | 21    | 16    | 1.25  | 660   | 0.068 | <1    | 2.40  | 0.008 | 0.40  | <0.1  | 0.02  | 7.2   | 0.1   | <0.05 | 9     | <0.5  |
| 11JM0612 | Soil                             | 16    | 33    | 0.80  | 442   | 0.104 | <1    | 1.80  | 0.014 | 0.26  | <0.1  | <0.01 | 4.8   | 0.1   | <0.05 | 5     | <0.5  |
| 11JM0613 | Soil                             | 12    | 11    | 1.39  | 505   | 0.152 | <1    | 2.33  | 0.009 | 0.70  | <0.1  | <0.01 | 2.9   | 0.2   | <0.05 | 7     | <0.5  |
| 11JM0614 | Soil                             | 23    | 20    | 0.88  | 248   | 0.129 | <1    | 2.21  | 0.012 | 0.47  | <0.1  | <0.01 | 3.3   | 0.2   | <0.05 | 6     | <0.5  |
| 11JM0615 | Soil                             | 31    | 23    | 0.73  | 299   | 0.130 | <1    | 1.82  | 0.014 | 0.30  | 0.1   | 0.02  | 3.8   | 0.2   | <0.05 | 6     | <0.5  |
| 11JM0616 | Soil                             | 21    | 18    | 0.84  | 261   | 0.143 | <1    | 1.91  | 0.016 | 0.50  | 0.1   | <0.01 | 3.1   | 0.2   | <0.05 | 5     | <0.5  |
| 11JM0617 | Soil                             | 14    | 13    | 1.08  | 344   | 0.149 | <1    | 2.11  | 0.007 | 0.94  | <0.1  | <0.01 | 2.0   | 0.2   | <0.05 | 6     | <0.5  |
| 11JM0618 | Soil                             | 14    | 14    | 1.18  | 568   | 0.204 | <1    | 2.66  | 0.020 | 0.92  | <0.1  | <0.01 | 3.8   | 0.2   | <0.05 | 7     | <0.5  |
| 11JM0619 | Soil                             | 15    | 8     | 0.88  | 411   | 0.073 | <1    | 2.09  | 0.011 | 0.42  | <0.1  | 0.01  | 5.3   | 0.1   | <0.05 | 5     | <0.5  |
| 11JM0620 | Soil                             | 10    | 7     | 1.02  | 180   | 0.109 | <1    | 2.06  | 0.010 | 0.38  | <0.1  | <0.01 | 1.0   | 0.1   | <0.05 | 6     | <0.5  |
| 11JM0621 | Soil                             | 26    | 13    | 1.03  | 317   | 0.050 | 2     | 1.81  | 0.032 | 0.44  | <0.1  | <0.01 | 4.8   | 0.1   | <0.05 | 7     | <0.5  |
| 11JM0622 | Soil                             | 11    | 15    | 0.96  | 499   | 0.153 | <1    | 1.92  | 0.014 | 0.67  | 0.1   | <0.01 | 3.0   | 0.2   | <0.05 | 5     | <0.5  |
| 11JM0623 | Soil                             | 14    | 16    | 0.56  | 272   | 0.099 | <1    | 1.31  | 0.012 | 0.29  | 0.1   | <0.01 | 3.0   | 0.1   | <0.05 | 4     | <0.5  |
| 11JM0624 | Soil                             | 32    | 8     | 1.10  | 448   | 0.214 | <1    | 2.43  | 0.013 | 1.03  | <0.1  | <0.01 | 2.8   | 0.3   | <0.05 | 8     | <0.5  |
| 11JM0625 | Soil                             | 20    | 8     | 0.81  | 441   | 0.113 | <1    | 1.83  | 0.009 | 0.62  | <0.1  | <0.01 | 3.2   | 0.2   | <0.05 | 6     | <0.5  |
| 11JM0626 | Soil                             | 15    | 14    | 1.11  | 440   | 0.109 | <1    | 2.47  | 0.009 | 0.88  | <0.1  | <0.01 | 4.2   | 0.2   | <0.05 | 7     | <0.5  |
| 11JM0627 | Soil                             | 11    | 11    | 1.09  | 397   | 0.176 | <1    | 2.83  | 0.011 | 0.72  | <0.1  | <0.01 | 1.3   | <0.1  | <0.05 | 9     | <0.5  |
| 11JM0628 | Soil                             | 6     | 14    | 1.03  | 345   | 0.098 | <1    | 2.34  | 0.008 | 0.63  | <0.1  | <0.01 | 3.4   | 0.2   | <0.05 | 8     | <0.5  |
| 11JM0629 | Soil                             | 17    | 11    | 1.34  | 844   | 0.210 | <1    | 2.63  | 0.011 | 1.16  | <0.1  | <0.01 | 2.3   | 0.2   | <0.05 | 7     | <0.5  |



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Project: Mariposa

Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11JM0630 | Soil                             | 0.3        | 18.5       | 4.7        | 74       | <0.1       | 11.0       | 15.3       | 480      | 3.83      | 2.1        | 0.2        | <0.5       | 2.2        | 21       | <0.1       | <0.1       | <0.1       | 85       | 0.43      |
| 11JM0631 | Soil                             | 0.5        | 21.9       | 6.9        | 94       | <0.1       | 15.1       | 19.5       | 782      | 5.62      | 3.9        | 0.7        | <0.5       | 5.2        | 37       | <0.1       | 0.1        | <0.1       | 100      | 0.54      |
| 11JM0632 | Soil                             | 0.4        | 16.9       | 6.4        | 66       | <0.1       | 7.0        | 13.8       | 509      | 3.68      | 2.8        | 0.4        | <0.5       | 6.5        | 24       | <0.1       | 0.4        | <0.1       | 77       | 0.32      |
| 11JM0633 | Soil                             | 0.4        | 17.1       | 8.2        | 62       | <0.1       | 12.8       | 12.6       | 532      | 3.65      | 4.8        | 1.7        | 1.0        | 5.9        | 30       | <0.1       | 0.2        | <0.1       | 65       | 0.50      |
| 11KJ0127 | Soil                             | 0.3        | 16.9       | 5.0        | 91       | <0.1       | 21.3       | 24.4       | 763      | 4.26      | 4.2        | 0.3        | <0.5       | 1.7        | 22       | <0.1       | 0.1        | <0.1       | 145      | 0.50      |
| 11KJ0128 | Soil                             | 0.3        | 7.2        | 6.7        | 123      | <0.1       | 14.5       | 21.9       | 877      | 5.27      | 2.8        | 0.4        | <0.5       | 2.6        | 22       | <0.1       | 0.1        | <0.1       | 134      | 0.27      |
| 11KJ0129 | Soil                             | 0.6        | 19.7       | 6.5        | 79       | <0.1       | 17.4       | 15.8       | 609      | 4.10      | 5.3        | 0.9        | 1.0        | 3.6        | 24       | <0.1       | 0.3        | <0.1       | 105      | 0.31      |
| 11KJ0130 | Soil                             | 0.5        | 16.5       | 7.9        | 86       | <0.1       | 15.8       | 15.3       | 579      | 4.25      | 4.5        | 0.4        | <0.5       | 2.5        | 18       | <0.1       | 0.4        | <0.1       | 116      | 0.26      |
| 11KJ0131 | Soil                             | 0.4        | 19.7       | 5.1        | 81       | <0.1       | 13.3       | 15.2       | 770      | 4.28      | 2.7        | 0.5        | <0.5       | 2.5        | 25       | <0.1       | 0.1        | <0.1       | 121      | 0.53      |
| 11KJ0132 | Soil                             | 0.6        | 15.7       | 11.1       | 66       | <0.1       | 17.1       | 13.0       | 474      | 3.64      | 4.2        | 0.7        | 1.3        | 2.9        | 26       | 0.1        | 0.3        | <0.1       | 94       | 0.42      |
| 11KJ0291 | Soil                             | 0.8        | 28.9       | 11.4       | 76       | 0.5        | 15.3       | 12.1       | 497      | 3.39      | 5.3        | 0.9        | 1.9        | 2.9        | 32       | 0.1        | 0.2        | 0.1        | 79       | 0.75      |
| 11KJ0293 | Soil                             | 1.1        | 30.7       | 16.3       | 144      | 0.1        | 12.0       | 14.3       | 499      | 4.61      | 3.3        | 0.5        | 3.0        | 2.5        | 22       | 0.3        | 0.1        | 0.1        | 113      | 0.43      |
| 11KJ0294 | Soil                             | 1.1        | 31.1       | 13.9       | 140      | <0.1       | 12.6       | 17.2       | 622      | 5.05      | 45.6       | 0.6        | 1.2        | 4.1        | 19       | 0.4        | 0.3        | <0.1       | 127      | 0.44      |
| 11KJ0295 | Soil                             | 1.1        | 33.2       | 42.6       | 209      | 0.3        | 12.4       | 11.7       | 565      | 3.29      | 4.9        | 0.3        | 14.7       | 2.0        | 36       | 0.5        | 0.2        | 0.2        | 80       | 0.42      |
| 11KJ0296 | Soil                             | 1.4        | 34.0       | 12.6       | 198      | 0.2        | 10.3       | 14.4       | 950      | 4.49      | 3.7        | 0.5        | 3.1        | 3.0        | 115      | 0.3        | 0.1        | 0.2        | 75       | 0.60      |
| 11KJ0297 | Soil                             | 3.2        | 83.0       | 20.4       | 78       | 0.7        | 9.9        | 9.3        | 663      | 3.16      | 7.0        | 0.7        | 27.6       | 3.8        | 26       | 0.2        | 0.2        | 0.4        | 60       | 0.25      |
| 11KJ0298 | Soil                             | 3.1        | 71.9       | 15.4       | 119      | 0.5        | 8.0        | 6.8        | 438      | 3.53      | 5.2        | 0.7        | 17.2       | 5.4        | 20       | 0.3        | 0.2        | 0.5        | 52       | 0.26      |
| 11KJ0299 | Soil                             | 4.5        | 19.9       | 16.5       | 76       | 0.3        | 9.2        | 5.7        | 435      | 2.61      | 5.1        | 0.5        | 54.1       | 4.0        | 22       | 0.3        | 0.3        | 0.3        | 48       | 0.23      |
| 11KJ0300 | Soil                             | 4.1        | 20.8       | 13.5       | 63       | 0.1        | 10.8       | 6.4        | 241      | 3.16      | 7.1        | 0.5        | 33.8       | 3.9        | 22       | 0.2        | 0.4        | 0.3        | 67       | 0.20      |
| 11KJ0301 | Soil                             | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    |
| 11KJ0302 | Soil                             | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    |
| 11KJ0303 | Soil                             | 15.9       | 82.8       | 27.4       | 115      | 0.4        | 177.5      | 25.5       | 712      | 4.52      | 6.6        | 2.3        | 627.2      | 12.4       | 126      | 0.1        | 0.8        | 0.5        | 74       | 0.99      |
| 11KJ0304 | Soil                             | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    |
| 11KJ0305 | Soil                             | 2.6        | 32.7       | 15.2       | 83       | 0.2        | 14.3       | 8.4        | 343      | 2.82      | 4.4        | 1.1        | 41.9       | 5.4        | 36       | 0.1        | 0.3        | 0.3        | 52       | 0.48      |
| 11KJ0311 | Soil                             | 5.5        | 33.2       | 18.7       | 79       | 0.1        | 15.0       | 8.0        | 310      | 3.12      | 6.1        | 1.1        | 12.1       | 5.0        | 21       | 0.1        | 0.3        | 0.3        | 59       | 0.28      |
| 11KJ0313 | Soil                             | 4.3        | 36.9       | 12.8       | 88       | 0.2        | 13.3       | 8.4        | 360      | 2.91      | 5.5        | 2.8        | 9.5        | 5.0        | 30       | 0.2        | 0.3        | 0.2        | 55       | 0.50      |
| 11KJ0315 | Soil                             | 0.7        | 24.5       | 18.5       | 84       | <0.1       | 13.9       | 13.5       | 353      | 3.72      | 4.2        | 0.3        | 0.6        | 1.9        | 22       | 0.1        | 0.2        | <0.1       | 84       | 0.38      |
| 11KJ0316 | Soil                             | 0.6        | 27.5       | 22.0       | 119      | <0.1       | 12.6       | 15.5       | 518      | 3.68      | 2.8        | 0.3        | 0.7        | 1.9        | 28       | 0.1        | 0.2        | <0.1       | 82       | 0.56      |
| 11KJ0317 | Soil                             | 0.7        | 26.2       | 42.1       | 156      | <0.1       | 10.9       | 12.2       | 520      | 3.43      | 3.2        | 0.4        | <0.5       | 2.1        | 28       | 0.1        | 0.2        | 0.1        | 73       | 0.39      |
| 11KJ0318 | Soil                             | 1.4        | 20.7       | 29.8       | 85       | 0.3        | 11.1       | 8.9        | 374      | 3.06      | 4.7        | 0.4        | <0.5       | 1.8        | 29       | 0.2        | 0.3        | 0.2        | 78       | 0.39      |



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Project: Mariposa  
Report Date: October 25, 2011

Page: 5 of 8 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Ti     | S      | Ga     | Se     | Te     |
|          |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11JM0630 | Soil                             | 5      | 24     | 1.41   | 397    | 0.239  | <1     | 2.61   | 0.015  | 1.03   | <0.1   | <0.01  | 3.0    | 0.3    | <0.05  | 7      | <0.5   | <0.2   |
| 11JM0631 | Soil                             | 12     | 31     | 1.74   | 346    | 0.111  | <1     | 3.03   | 0.011  | 0.31   | <0.1   | <0.01  | 6.9    | <0.1   | <0.05  | 10     | <0.5   | <0.2   |
| 11JM0632 | Soil                             | 6      | 14     | 1.15   | 393    | 0.183  | <1     | 2.41   | 0.008  | 1.10   | <0.1   | <0.01  | 2.4    | 0.3    | <0.05  | 6      | <0.5   | <0.2   |
| 11JM0633 | Soil                             | 26     | 21     | 1.11   | 455    | 0.113  | 2      | 2.20   | 0.016  | 0.32   | <0.1   | 0.01   | 5.5    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0127 | Soil                             | 6      | 42     | 2.40   | 370    | 0.251  | <1     | 3.18   | 0.064  | 0.73   | <0.1   | <0.01  | 6.5    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11KJ0128 | Soil                             | 10     | 32     | 2.05   | 562    | 0.217  | 1      | 3.33   | 0.014  | 1.32   | <0.1   | 0.01   | 10.4   | 0.3    | <0.05  | 11     | <0.5   | <0.2   |
| 11KJ0129 | Soil                             | 14     | 34     | 1.27   | 548    | 0.170  | <1     | 2.37   | 0.014  | 0.56   | <0.1   | 0.03   | 10.3   | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11KJ0130 | Soil                             | 8      | 31     | 1.35   | 326    | 0.187  | <1     | 2.75   | 0.012  | 0.62   | <0.1   | 0.02   | 8.7    | 0.2    | <0.05  | 9      | <0.5   | <0.2   |
| 11KJ0131 | Soil                             | 9      | 30     | 1.58   | 457    | 0.184  | <1     | 2.55   | 0.016  | 0.94   | <0.1   | <0.01  | 8.3    | 0.2    | <0.05  | 9      | <0.5   | <0.2   |
| 11KJ0132 | Soil                             | 14     | 34     | 1.04   | 365    | 0.145  | <1     | 2.36   | 0.017  | 0.36   | <0.1   | 0.02   | 7.5    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0291 | Soil                             | 15     | 26     | 0.96   | 293    | 0.148  | 2      | 2.29   | 0.017  | 0.23   | 0.1    | 0.03   | 5.4    | 0.1    | <0.05  | 7      | 0.6    | <0.2   |
| 11KJ0293 | Soil                             | 7      | 27     | 1.39   | 351    | 0.258  | <1     | 2.99   | 0.013  | 0.66   | 0.1    | <0.01  | 6.6    | 0.3    | <0.05  | 10     | <0.5   | <0.2   |
| 11KJ0294 | Soil                             | 9      | 31     | 1.48   | 370    | 0.197  | <1     | 2.93   | 0.012  | 0.76   | 0.1    | <0.01  | 9.4    | 0.4    | <0.05  | 9      | <0.5   | <0.2   |
| 11KJ0295 | Soil                             | 7      | 23     | 1.01   | 264    | 0.156  | <1     | 2.08   | 0.018  | 0.17   | 0.1    | <0.01  | 3.1    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0296 | Soil                             | 11     | 19     | 1.53   | 398    | 0.190  | <1     | 2.95   | 0.010  | 0.58   | 0.1    | 0.01   | 3.5    | 0.4    | <0.05  | 8      | <0.5   | <0.2   |
| 11KJ0297 | Soil                             | 15     | 24     | 0.53   | 300    | 0.095  | <1     | 1.69   | 0.011  | 0.20   | <0.1   | 0.02   | 3.0    | 0.2    | <0.05  | 7      | <0.5   | 0.3    |
| 11KJ0298 | Soil                             | 18     | 14     | 0.63   | 378    | 0.079  | <1     | 2.07   | 0.009  | 0.30   | <0.1   | 0.02   | 3.2    | 0.2    | <0.05  | 7      | <0.5   | 0.2    |
| 11KJ0299 | Soil                             | 16     | 18     | 0.37   | 277    | 0.028  | <1     | 1.70   | 0.007  | 0.11   | <0.1   | 0.01   | 2.4    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0300 | Soil                             | 12     | 24     | 0.51   | 203    | 0.058  | 1      | 1.71   | 0.008  | 0.08   | <0.1   | 0.01   | 2.8    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0301 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11KJ0302 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11KJ0303 | Soil                             | 57     | 170    | 1.22   | 789    | 0.083  | 3      | 2.33   | 0.010  | 0.10   | <0.1   | 0.05   | 9.5    | 0.1    | <0.05  | 6      | <0.5   | 3.3    |
| 11KJ0304 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11KJ0305 | Soil                             | 23     | 26     | 0.56   | 282    | 0.079  | 1      | 1.75   | 0.011  | 0.09   | 0.1    | 0.03   | 3.8    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11KJ0311 | Soil                             | 17     | 27     | 0.47   | 350    | 0.060  | 2      | 1.91   | 0.013  | 0.09   | 0.1    | <0.01  | 3.2    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0313 | Soil                             | 21     | 24     | 0.52   | 347    | 0.080  | <1     | 1.74   | 0.011  | 0.09   | 0.2    | 0.03   | 3.2    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0315 | Soil                             | 6      | 22     | 1.03   | 185    | 0.214  | <1     | 2.35   | 0.013  | 0.25   | 0.1    | 0.01   | 3.1    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0316 | Soil                             | 9      | 19     | 1.29   | 291    | 0.239  | <1     | 2.38   | 0.017  | 0.36   | 0.1    | 0.01   | 3.1    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0317 | Soil                             | 7      | 19     | 1.11   | 200    | 0.209  | <1     | 2.30   | 0.013  | 0.19   | 0.1    | <0.01  | 3.0    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0318 | Soil                             | 7      | 21     | 0.63   | 206    | 0.159  | 2      | 1.75   | 0.016  | 0.15   | 0.1    | <0.01  | 3.2    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |



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Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|-----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|           |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|           |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11KJ0319  | Soil                             | 0.6        | 35.8       | 28.6       | 129      | 0.1        | 12.4       | 12.9       | 487      | 3.44      | 3.4        | 0.5        | 1.2        | 1.9        | 28       | 0.2        | 0.3        | <0.1       | 80       | 0.49      |
| 11KJ0320  | Soil                             | 0.5        | 69.3       | 65.5       | 182      | 0.2        | 10.2       | 14.8       | 763      | 4.00      | 1.8        | 0.4        | 51.3       | 2.1        | 34       | 0.3        | 0.2        | 0.1        | 83       | 0.47      |
| 11KJ0321  | Soil                             | 0.8        | 41.9       | 32.6       | 191      | <0.1       | 9.5        | 13.5       | 932      | 4.87      | 2.5        | 0.4        | <0.5       | 2.7        | 25       | 0.3        | 0.2        | <0.1       | 90       | 0.28      |
| 11KJ0322  | Soil                             | 1.2        | 23.8       | 11.8       | 138      | 0.9        | 16.6       | 13.8       | 1351     | 3.08      | 5.1        | 0.9        | 2.7        | 3.3        | 32       | 0.4        | 0.3        | 0.2        | 73       | 0.49      |
| 11KJ0323  | Soil                             | 1.8        | 61.2       | 15.8       | 317      | 0.4        | 14.4       | 19.8       | 845      | 6.15      | 2.9        | 0.7        | 91.6       | 3.3        | 92       | 0.7        | 0.2        | 0.4        | 111      | 1.04      |
| 11KJ0324  | Soil                             | 3.7        | 112.8      | 18.0       | 215      | 0.6        | 22.0       | 18.7       | 646      | 4.85      | 5.6        | 0.9        | 16.2       | 4.8        | 29       | 0.4        | 0.2        | 2.2        | 87       | 0.37      |
| 11KJ0325  | Soil                             | 6.3        | 193.1      | 25.0       | 96       | 0.6        | 12.2       | 9.6        | 389      | 4.88      | 8.3        | 1.2        | 19.1       | 8.4        | 33       | 0.2        | 0.3        | 1.0        | 53       | 0.21      |
| 11KJ0326  | Soil                             | 4.4        | 75.9       | 20.7       | 122      | 0.3        | 22.9       | 11.3       | 455      | 3.99      | 5.3        | 0.9        | 139.5      | 8.5        | 20       | 0.3        | 0.3        | 0.6        | 63       | 0.21      |
| 11KJ0327  | Soil                             | 4.3        | 37.9       | 20.8       | 138      | 0.6        | 12.1       | 8.0        | 846      | 3.61      | 7.1        | 0.5        | 57.5       | 3.0        | 19       | 0.4        | 0.4        | 0.5        | 60       | 0.24      |
| 11KJ0328  | Soil                             | 1.8        | 46.8       | 14.0       | 88       | 1.1        | 25.4       | 11.9       | 388      | 3.32      | 10.8       | 1.5        | 7.5        | 6.5        | 16       | 0.2        | 0.7        | 0.3        | 68       | 0.17      |
| 11KJ0329  | Soil                             | 1.8        | 9.7        | 13.2       | 33       | 0.2        | 8.1        | 3.4        | 114      | 2.13      | 5.8        | 0.4        | 4.3        | 2.9        | 13       | <0.1       | 0.3        | 0.2        | 61       | 0.15      |
| 11KJ0332  | Soil                             | 1.0        | 26.1       | 29.0       | 63       | <0.1       | 26.6       | 11.4       | 373      | 3.06      | 9.3        | 1.3        | 1.5        | 18.1       | 17       | 0.2        | 0.7        | 0.4        | 69       | 0.18      |
| 11KJ0333  | Soil                             | 1.2        | 22.0       | 21.2       | 63       | 0.8        | 22.1       | 10.6       | 413      | 3.09      | 8.6        | 1.8        | 4.0        | 11.3       | 20       | 0.1        | 0.6        | 0.4        | 72       | 0.24      |
| 11KJ0334  | Soil                             | 1.2        | 31.0       | 17.6       | 63       | 0.3        | 25.4       | 11.5       | 704      | 2.64      | 5.9        | 5.2        | 2.8        | 5.7        | 35       | 0.3        | 0.6        | 0.4        | 60       | 0.64      |
| 11KJ0335  | Soil                             | 1.3        | 18.6       | 16.8       | 50       | 0.1        | 19.9       | 9.7        | 292      | 2.56      | 5.5        | 1.2        | 0.9        | 4.4        | 24       | 0.2        | 0.4        | 0.3        | 67       | 0.32      |
| 11KJ0336  | Soil                             | 0.4        | 13.0       | 4.3        | 90       | <0.1       | 9.0        | 14.5       | 1141     | 3.98      | 2.7        | 0.3        | <0.5       | 3.9        | 44       | 0.2        | 0.3        | <0.1       | 60       | 0.79      |
| 11KJ0337  | Soil                             | 0.9        | 20.9       | 13.7       | 62       | <0.1       | 17.1       | 8.5        | 229      | 3.40      | 8.0        | 0.6        | 1.7        | 2.6        | 15       | 0.2        | 0.3        | 0.2        | 73       | 0.17      |
| 11KJ0338  | Soil                             | 0.9        | 22.8       | 9.5        | 61       | <0.1       | 17.9       | 12.8       | 393      | 3.65      | 7.0        | 0.4        | 1.0        | 2.2        | 25       | <0.1       | 0.6        | 0.1        | 101      | 0.24      |
| 11KJ0339D | Soil                             | 0.2        | 10.8       | 3.8        | 73       | <0.1       | 8.1        | 19.1       | 881      | 4.50      | 1.6        | 0.3        | <0.5       | 4.9        | 20       | <0.1       | 0.1        | <0.1       | 104      | 0.36      |
| 11KJ0339  | Soil                             | 4.4        | 66.4       | 49.3       | 169      | 0.2        | 48.6       | 9.5        | 262      | 2.55      | 82.8       | 2.3        | 5.1        | 3.6        | 27       | 0.5        | 2.7        | 0.3        | 71       | 0.60      |
| 11KJ0340  | Soil                             | 0.6        | 12.8       | 10.6       | 71       | <0.1       | 9.5        | 11.5       | 485      | 3.09      | 5.3        | 0.5        | <0.5       | 4.6        | 35       | 0.2        | 0.3        | <0.1       | 66       | 0.34      |
| 11KJ0341  | Soil                             | 0.6        | 9.1        | 8.7        | 91       | <0.1       | 11.4       | 14.3       | 746      | 3.64      | 3.8        | 1.0        | 0.7        | 17.8       | 55       | 0.1        | 0.2        | <0.1       | 58       | 0.29      |
| 11KJ0342  | Soil                             | 0.6        | 17.7       | 10.3       | 69       | <0.1       | 22.0       | 11.2       | 386      | 2.82      | 5.6        | 1.1        | 2.0        | 5.1        | 27       | 0.1        | 0.3        | 0.1        | 62       | 0.37      |
| 11KJ0343  | Soil                             | 1.0        | 12.9       | 10.4       | 59       | <0.1       | 21.6       | 9.4        | 269      | 2.82      | 5.5        | 0.7        | 3.3        | 5.1        | 25       | <0.1       | 0.3        | 0.1        | 65       | 0.27      |
| 11KJ0344  | Soil                             | 0.7        | 12.2       | 10.2       | 63       | <0.1       | 15.5       | 9.7        | 299      | 2.67      | 4.8        | 0.7        | 1.5        | 6.3        | 24       | 0.1        | 0.3        | 0.1        | 55       | 0.31      |
| 11KJ0345  | Soil                             | 0.7        | 15.9       | 8.8        | 61       | 0.1        | 17.8       | 10.4       | 342      | 2.55      | 5.3        | 1.0        | 2.5        | 5.2        | 28       | <0.1       | 0.3        | 0.1        | 54       | 0.41      |
| 11KJ0347  | Soil                             | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.    |
| 11KJ0348  | Soil                             | 0.7        | 11.7       | 9.1        | 62       | <0.1       | 13.5       | 9.8        | 372      | 2.70      | 4.5        | 0.9        | 1.1        | 5.6        | 29       | 0.2        | 0.2        | 0.1        | 53       | 0.40      |
| 11KJ0351  | Soil                             | 0.6        | 12.2       | 8.2        | 66       | <0.1       | 16.5       | 10.3       | 454      | 3.12      | 3.5        | 0.6        | 2.3        | 7.4        | 23       | <0.1       | 0.2        | <0.1       | 49       | 0.46      |
| 11KJ0352  | Soil                             | 0.9        | 15.5       | 12.8       | 65       | <0.1       | 23.7       | 11.4       | 392      | 3.17      | 5.9        | 0.5        | 2.7        | 6.5        | 22       | <0.1       | 0.3        | 0.1        | 61       | 0.29      |





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Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Ti     | S      | Ga     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|           |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11KJ0319  | Soil                             | 9      | 21     | 1.09   | 332    | 0.226  | <1     | 2.18   | 0.016  | 0.23   | 0.1    | 0.02   | 3.4    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0320  | Soil                             | 8      | 21     | 1.21   | 204    | 0.141  | <1     | 2.40   | 0.012  | 0.19   | 0.1    | <0.01  | 4.3    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0321  | Soil                             | 6      | 18     | 1.49   | 218    | 0.201  | <1     | 2.93   | 0.009  | 0.50   | 0.1    | <0.01  | 4.7    | 0.3    | <0.05  | 9      | <0.5   | <0.2   |
| 11KJ0322  | Soil                             | 14     | 27     | 0.74   | 399    | 0.140  | 1      | 2.13   | 0.013  | 0.08   | 0.1    | 0.04   | 3.2    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0323  | Soil                             | 13     | 24     | 1.59   | 624    | 0.200  | 1      | 3.28   | 0.031  | 0.40   | <0.1   | 0.01   | 6.7    | 0.3    | <0.05  | 10     | <0.5   | 0.2    |
| 11KJ0324  | Soil                             | 23     | 52     | 1.32   | 359    | 0.134  | <1     | 2.83   | 0.013  | 0.45   | <0.1   | <0.01  | 6.8    | 0.4    | <0.05  | 9      | <0.5   | 1.6    |
| 11KJ0325  | Soil                             | 20     | 22     | 0.78   | 314    | 0.068  | <1     | 2.50   | 0.021  | 0.24   | <0.1   | 0.02   | 3.5    | 0.2    | 0.09   | 8      | 0.6    | 0.4    |
| 11KJ0326  | Soil                             | 27     | 41     | 0.91   | 399    | 0.151  | <1     | 2.72   | 0.014  | 0.31   | 0.1    | 0.02   | 3.7    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0327  | Soil                             | 13     | 24     | 0.42   | 299    | 0.047  | 1      | 1.95   | 0.008  | 0.15   | <0.1   | 0.02   | 3.0    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0328  | Soil                             | 16     | 43     | 0.55   | 302    | 0.078  | 1      | 2.42   | 0.013  | 0.06   | 0.2    | 0.06   | 5.2    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0329  | Soil                             | 10     | 20     | 0.29   | 120    | 0.062  | <1     | 1.31   | 0.007  | 0.04   | <0.1   | 0.02   | 1.9    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0332  | Soil                             | 10     | 40     | 0.59   | 156    | 0.070  | 1      | 2.61   | 0.009  | 0.08   | <0.1   | 0.02   | 3.7    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0333  | Soil                             | 11     | 38     | 0.55   | 197    | 0.074  | 1      | 2.25   | 0.011  | 0.06   | 0.1    | 0.03   | 3.9    | 0.1    | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0334  | Soil                             | 17     | 38     | 0.52   | 410    | 0.063  | 1      | 2.05   | 0.017  | 0.05   | 0.2    | 0.04   | 4.9    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11KJ0335  | Soil                             | 11     | 35     | 0.55   | 259    | 0.060  | 1      | 1.98   | 0.012  | 0.05   | 0.1    | 0.02   | 4.2    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0336  | Soil                             | 8      | 13     | 1.48   | 466    | 0.007  | 1      | 2.61   | 0.006  | 0.05   | <0.1   | <0.01  | 3.7    | <0.1   | <0.05  | 8      | <0.5   | <0.2   |
| 11KJ0337  | Soil                             | 9      | 26     | 0.51   | 150    | 0.057  | 1      | 2.56   | 0.011  | 0.05   | <0.1   | 0.02   | 3.3    | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0338  | Soil                             | 7      | 37     | 0.77   | 189    | 0.067  | <1     | 2.45   | 0.012  | 0.04   | 0.1    | 0.02   | 4.8    | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0339D | Soil                             | 24     | 14     | 1.65   | 281    | 0.233  | <1     | 2.98   | 0.007  | 0.82   | <0.1   | <0.01  | 1.7    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0339  | Soil                             | 12     | 42     | 0.47   | 166    | 0.055  | <1     | 1.25   | 0.008  | 0.07   | 0.2    | 0.02   | 3.1    | 0.2    | <0.05  | 4      | 0.6    | <0.2   |
| 11KJ0340  | Soil                             | 13     | 15     | 0.91   | 270    | 0.113  | <1     | 1.97   | 0.006  | 0.43   | <0.1   | <0.01  | 2.4    | 0.1    | <0.05  | 5      | <0.5   | <0.2   |
| 11KJ0341  | Soil                             | 41     | 20     | 0.78   | 272    | 0.149  | <1     | 2.19   | 0.009  | 0.61   | <0.1   | <0.01  | 2.1    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11KJ0342  | Soil                             | 20     | 37     | 0.69   | 230    | 0.101  | <1     | 1.96   | 0.014  | 0.07   | 0.1    | 0.02   | 3.7    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0343  | Soil                             | 14     | 38     | 0.65   | 153    | 0.118  | 1      | 1.92   | 0.012  | 0.06   | <0.1   | 0.02   | 2.8    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0344  | Soil                             | 14     | 26     | 0.60   | 135    | 0.118  | <1     | 1.71   | 0.011  | 0.09   | 0.1    | <0.01  | 2.5    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11KJ0345  | Soil                             | 19     | 29     | 0.55   | 229    | 0.095  | <1     | 1.65   | 0.012  | 0.06   | 0.1    | 0.02   | 3.6    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11KJ0347  | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11KJ0348  | Soil                             | 19     | 22     | 0.51   | 223    | 0.089  | <1     | 1.64   | 0.012  | 0.10   | 0.1    | 0.02   | 2.8    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11KJ0351  | Soil                             | 18     | 31     | 0.82   | 288    | 0.099  | <1     | 1.90   | 0.010  | 0.27   | 0.1    | 0.03   | 2.6    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11KJ0352  | Soil                             | 14     | 43     | 0.82   | 183    | 0.141  | 1      | 2.11   | 0.010  | 0.19   | 0.1    | 0.02   | 2.5    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |



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Project: Mariposa  
Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11KJ0353 | Soil                             | 1.0   | 14.3  | 8.0   | 61    | <0.1  | 20.1  | 10.0  | 461   | 3.13  | 6.6   | 0.3   | 1.4   | 4.4   | 19    | <0.1  | 0.3   | 0.1   | 58    | 0.23  | 0.046 |
| 11KJ0354 | Soil                             | 0.3   | 10.7  | 4.0   | 103   | <0.1  | 71.4  | 22.0  | 597   | 3.75  | 2.0   | 0.4   | 3.3   | 4.6   | 36    | <0.1  | 0.3   | <0.1  | 71    | 0.56  | 0.040 |
| 11KJ0355 | Soil                             | 0.4   | 7.1   | 6.6   | 78    | <0.1  | 6.3   | 11.1  | 523   | 3.92  | 2.8   | 0.6   | <0.5  | 12.7  | 17    | <0.1  | 0.3   | <0.1  | 49    | 0.14  | 0.017 |
| 11KJ0356 | Soil                             | 0.7   | 18.3  | 8.0   | 55    | <0.1  | 18.9  | 10.7  | 395   | 2.83  | 5.6   | 0.4   | 2.5   | 6.7   | 26    | <0.1  | 0.3   | <0.1  | 56    | 0.35  | 0.054 |
| 11KJ0357 | Soil                             | 0.9   | 22.0  | 9.7   | 52    | <0.1  | 26.0  | 9.6   | 314   | 3.00  | 10.2  | 0.7   | 3.0   | 6.4   | 22    | <0.1  | 0.6   | 0.1   | 64    | 0.26  | 0.038 |
| 11KJ0358 | Soil                             | 0.3   | 8.4   | 7.3   | 89    | <0.1  | 8.5   | 14.0  | 711   | 4.07  | 4.3   | 0.5   | 0.9   | 11.7  | 20    | <0.1  | 0.2   | 0.2   | 64    | 0.20  | 0.031 |
| 11KJ0359 | Soil                             | 0.6   | 20.4  | 9.8   | 72    | <0.1  | 17.5  | 11.6  | 640   | 3.65  | 6.5   | 0.9   | 2.8   | 13.4  | 28    | <0.1  | 0.4   | 0.1   | 63    | 0.42  | 0.080 |
| 11KJ0360 | Soil                             | 2.3   | 37.4  | 20.6  | 89    | <0.1  | 26.8  | 14.6  | 652   | 3.90  | 8.5   | 1.0   | 6.5   | 5.2   | 23    | 0.2   | 0.4   | 0.2   | 81    | 0.33  | 0.030 |
| 11KJ0361 | Soil                             | 0.9   | 19.5  | 9.5   | 69    | <0.1  | 16.3  | 9.0   | 402   | 2.90  | 5.2   | 0.6   | 6.3   | 4.8   | 24    | 0.1   | 0.3   | 0.1   | 57    | 0.35  | 0.039 |
| 11KJ0362 | Soil                             | 1.0   | 14.0  | 8.4   | 67    | <0.1  | 13.8  | 12.4  | 428   | 3.39  | 3.3   | 0.5   | 1.2   | 3.0   | 27    | 0.2   | 0.1   | 0.2   | 79    | 0.33  | 0.037 |
| 11KJ0363 | Soil                             | 0.8   | 18.0  | 9.3   | 80    | 0.2   | 12.1  | 16.1  | 1292  | 3.20  | 3.7   | 1.1   | 2.0   | 6.5   | 31    | 0.3   | 0.2   | 0.1   | 62    | 0.63  | 0.098 |
| 11KJ0364 | Soil                             | 0.6   | 18.1  | 6.9   | 62    | <0.1  | 14.0  | 11.6  | 382   | 3.21  | 4.8   | 0.8   | 10.2  | 6.0   | 29    | <0.1  | 0.3   | <0.1  | 73    | 0.44  | 0.066 |
| 11KJ0365 | Soil                             | 0.7   | 12.2  | 8.5   | 51    | <0.1  | 13.7  | 9.5   | 263   | 3.32  | 6.7   | 0.5   | 1.0   | 3.2   | 18    | <0.1  | 0.3   | 0.1   | 79    | 0.21  | 0.025 |
| 11KJ0366 | Soil                             | 0.9   | 12.2  | 9.3   | 70    | <0.1  | 10.0  | 14.1  | 537   | 4.26  | 4.4   | 0.7   | 0.6   | 4.8   | 30    | 0.1   | 0.2   | <0.1  | 87    | 0.33  | 0.064 |
| 11KJ0367 | Soil                             | 0.7   | 13.1  | 10.9  | 45    | <0.1  | 14.2  | 9.6   | 335   | 2.84  | 5.2   | 1.1   | 2.0   | 7.6   | 23    | <0.1  | 0.3   | <0.1  | 60    | 0.39  | 0.020 |
| 11KJ0368 | Soil                             | 1.0   | 11.5  | 8.1   | 50    | <0.1  | 12.0  | 9.3   | 311   | 2.62  | 4.5   | 0.7   | 1.6   | 6.2   | 24    | <0.1  | 0.3   | <0.1  | 56    | 0.36  | 0.034 |
| 11KJ0369 | Soil                             | 0.8   | 15.9  | 9.3   | 52    | <0.1  | 13.7  | 11.4  | 310   | 3.50  | 5.0   | 0.9   | 2.2   | 6.6   | 21    | <0.1  | 0.2   | <0.1  | 71    | 0.26  | 0.029 |
| 11KJ0372 | Soil                             | 0.6   | 26.3  | 8.1   | 64    | <0.1  | 21.7  | 12.3  | 386   | 3.12  | 4.9   | 0.8   | 1.4   | 5.0   | 26    | <0.1  | 0.3   | 0.1   | 61    | 0.42  | 0.056 |
| 11KJ0373 | Soil                             | 0.7   | 22.8  | 11.7  | 65    | <0.1  | 19.2  | 13.0  | 459   | 3.20  | 4.1   | 0.6   | 1.6   | 4.8   | 27    | <0.1  | 0.2   | <0.1  | 64    | 0.43  | 0.074 |
| 11KJ0375 | Soil                             | 0.6   | 21.0  | 7.6   | 60    | <0.1  | 17.3  | 12.3  | 373   | 2.95  | 3.7   | 0.4   | 1.3   | 2.9   | 27    | <0.1  | 0.2   | <0.1  | 59    | 0.44  | 0.078 |
| 11KJ0376 | Soil                             | 0.6   | 185.1 | 7.1   | 58    | 0.1   | 36.1  | 21.5  | 365   | 3.30  | 3.6   | 0.5   | 2.2   | 1.7   | 25    | 0.1   | 0.2   | 0.3   | 83    | 0.54  | 0.108 |
| 11KJ0377 | Soil                             | 0.7   | 21.5  | 8.5   | 54    | <0.1  | 20.7  | 9.1   | 276   | 2.95  | 4.9   | 0.5   | 2.8   | 3.0   | 19    | <0.1  | 0.3   | 0.2   | 67    | 0.23  | 0.033 |
| 11KJ0379 | Soil                             | 0.6   | 25.6  | 6.4   | 72    | <0.1  | 18.9  | 15.5  | 466   | 3.79  | 3.1   | 0.3   | 0.6   | 2.7   | 21    | <0.1  | 0.2   | <0.1  | 72    | 0.36  | 0.086 |
| 11KJ0380 | Soil                             | 0.6   | 21.8  | 7.9   | 76    | <0.1  | 20.7  | 15.0  | 452   | 3.41  | 3.6   | 0.4   | 1.2   | 3.5   | 20    | 0.1   | 0.2   | <0.1  | 63    | 0.33  | 0.082 |
| 11KJ0381 | Soil                             | 0.4   | 27.3  | 5.6   | 70    | <0.1  | 16.0  | 17.5  | 440   | 3.57  | 2.8   | 0.5   | 0.5   | 4.4   | 18    | <0.1  | 0.2   | <0.1  | 65    | 0.35  | 0.095 |
| 11KJ0382 | Soil                             | 0.6   | 19.6  | 8.6   | 53    | <0.1  | 17.7  | 10.5  | 248   | 2.64  | 6.3   | 0.7   | 2.9   | 5.9   | 19    | <0.1  | 0.4   | 0.1   | 57    | 0.22  | 0.039 |
| 11KJ0383 | Soil                             | 0.6   | 20.2  | 8.8   | 54    | <0.1  | 15.9  | 9.5   | 263   | 2.43  | 6.4   | 1.3   | 2.8   | 8.0   | 23    | <0.1  | 0.2   | 0.1   | 50    | 0.28  | 0.050 |
| 11KJ0384 | Soil                             | 0.9   | 17.0  | 11.2  | 57    | <0.1  | 13.5  | 8.7   | 304   | 2.50  | 12.1  | 1.1   | 1.5   | 10.8  | 19    | <0.1  | 0.3   | 0.2   | 51    | 0.19  | 0.045 |
| 11KJ0386 | Soil                             | 0.9   | 19.3  | 13.2  | 64    | <0.1  | 15.2  | 9.7   | 343   | 2.89  | 11.5  | 1.3   | 0.8   | 13.1  | 23    | 0.1   | 0.2   | 0.2   | 59    | 0.25  | 0.045 |
| 11KJ0387 | Soil                             | 0.7   | 24.4  | 10.0  | 60    | <0.1  | 19.4  | 9.9   | 266   | 2.60  | 7.1   | 1.4   | 2.1   | 6.3   | 26    | 0.2   | 0.4   | 0.2   | 53    | 0.35  | 0.063 |



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Project: Mariposa  
Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11KJ0353 | Soil                             | 9     | 31    | 0.78  | 178   | 0.130 | 1     | 2.02  | 0.009 | 0.37  | <0.1  | <0.01 | 2.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0354 | Soil                             | 26    | 98    | 2.58  | 232   | 0.184 | <1    | 3.35  | 0.007 | 0.63  | <0.1  | 0.01  | 2.1   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0355 | Soil                             | 17    | 11    | 0.94  | 116   | 0.107 | <1    | 2.41  | 0.006 | 0.42  | <0.1  | 0.04  | 1.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0356 | Soil                             | 9     | 30    | 0.77  | 188   | 0.108 | <1    | 1.84  | 0.012 | 0.34  | 0.1   | 0.01  | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0357 | Soil                             | 18    | 41    | 0.61  | 173   | 0.102 | 1     | 1.84  | 0.013 | 0.11  | 0.1   | 0.02  | 4.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0358 | Soil                             | 20    | 14    | 1.16  | 202   | 0.197 | <1    | 2.33  | 0.010 | 0.98  | <0.1  | 0.01  | 2.1   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0359 | Soil                             | 34    | 28    | 0.90  | 192   | 0.130 | 1     | 1.99  | 0.015 | 0.44  | 0.1   | 0.03  | 5.0   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0360 | Soil                             | 20    | 52    | 1.10  | 282   | 0.073 | <1    | 2.59  | 0.012 | 0.06  | <0.1  | 0.03  | 7.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0361 | Soil                             | 15    | 26    | 0.68  | 274   | 0.054 | <1    | 2.08  | 0.011 | 0.12  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0362 | Soil                             | 10    | 26    | 1.05  | 150   | 0.149 | <1    | 2.55  | 0.011 | 0.16  | <0.1  | 0.01  | 3.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0363 | Soil                             | 28    | 23    | 0.82  | 244   | 0.110 | 1     | 1.88  | 0.015 | 0.23  | 0.1   | 0.03  | 4.1   | 0.2   | 0.06  | 6     | <0.5  | <0.2  |
| 11KJ0364 | Soil                             | 16    | 26    | 0.85  | 182   | 0.114 | <1    | 1.80  | 0.018 | 0.14  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0365 | Soil                             | 10    | 29    | 0.69  | 148   | 0.100 | <1    | 2.20  | 0.012 | 0.06  | <0.1  | 0.03  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0366 | Soil                             | 10    | 20    | 1.08  | 255   | 0.112 | 1     | 2.88  | 0.010 | 0.34  | <0.1  | 0.01  | 4.2   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0367 | Soil                             | 20    | 28    | 0.60  | 283   | 0.094 | <1    | 1.75  | 0.014 | 0.13  | 0.1   | <0.01 | 3.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0368 | Soil                             | 12    | 23    | 0.58  | 285   | 0.102 | <1    | 1.57  | 0.014 | 0.12  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0369 | Soil                             | 18    | 26    | 0.72  | 275   | 0.088 | <1    | 2.38  | 0.010 | 0.18  | <0.1  | 0.02  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0372 | Soil                             | 18    | 41    | 0.90  | 193   | 0.121 | <1    | 2.10  | 0.012 | 0.12  | 0.1   | 0.03  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0373 | Soil                             | 15    | 43    | 1.05  | 187   | 0.128 | <1    | 2.07  | 0.013 | 0.18  | 0.1   | 0.02  | 2.5   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0375 | Soil                             | 10    | 33    | 0.91  | 238   | 0.129 | <1    | 1.91  | 0.015 | 0.19  | 0.1   | 0.03  | 2.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0376 | Soil                             | 8     | 58    | 1.19  | 305   | 0.114 | <1    | 2.01  | 0.024 | 0.22  | <0.1  | 0.03  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0377 | Soil                             | 9     | 41    | 0.72  | 158   | 0.089 | <1    | 2.00  | 0.011 | 0.07  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0379 | Soil                             | 6     | 45    | 1.23  | 167   | 0.201 | <1    | 2.32  | 0.012 | 0.33  | 0.1   | 0.03  | 2.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0380 | Soil                             | 9     | 41    | 1.13  | 209   | 0.172 | <1    | 2.15  | 0.014 | 0.36  | 0.1   | 0.03  | 2.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0381 | Soil                             | 8     | 33    | 1.29  | 203   | 0.160 | <1    | 2.13  | 0.013 | 0.65  | 0.2   | 0.01  | 2.0   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0382 | Soil                             | 14    | 34    | 0.64  | 156   | 0.083 | <1    | 1.86  | 0.012 | 0.07  | 0.2   | 0.02  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0383 | Soil                             | 21    | 29    | 0.57  | 202   | 0.063 | <1    | 1.55  | 0.012 | 0.08  | 0.2   | 0.02  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0384 | Soil                             | 21    | 25    | 0.54  | 158   | 0.073 | <1    | 1.53  | 0.009 | 0.14  | 0.1   | 0.01  | 2.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0386 | Soil                             | 24    | 31    | 0.61  | 161   | 0.101 | <1    | 1.87  | 0.011 | 0.16  | <0.1  | 0.02  | 2.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0387 | Soil                             | 23    | 32    | 0.56  | 209   | 0.086 | <1    | 1.67  | 0.017 | 0.08  | 0.2   | 0.04  | 3.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |



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**Project:** Mariposa

**Report Date:** October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11KJ0388 | Soil                             | 0.7   | 19.4  | 10.4  | 56    | <0.1  | 16.4  | 10.4  | 359   | 2.58  | 6.8   | 1.3   | 1.4   | 5.1   | 26    | 0.2   | 0.3   | 0.2   | 54    | 0.36  | 0.058 |
| 0339D    | Soil                             | 0.5   | 18.1  | 5.2   | 70    | <0.1  | 13.8  | 17.2  | 661   | 4.18  | 4.2   | 0.4   | <0.5  | 4.1   | 17    | <0.1  | 0.2   | <0.1  | 91    | 0.26  | 0.053 |



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**Client:** Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5 Canada

**Project:** Mariposa  
**Report Date:** October 25, 2011

**Page:** 8 of 8      **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001367.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11KJ0388 | Soil                             | 22    | 28    | 0.50  | 212   | 0.071 | <1    | 1.61  | 0.016 | 0.06  | 0.2   | 0.06  | 3.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 0339D    | Soil                             | 14    | 22    | 1.30  | 227   | 0.163 | <1    | 2.95  | 0.009 | 0.45  | <0.1  | 0.03  | 2.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |



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Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001367.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11JM0551            | Soil                             | 2.6   | 29.3  | 19.4  | 65    | 0.2   | 20.5  | 9.5   | 286   | 3.30  | 9.1   | 0.6   | 24.0  | 4.2   | 28    | 0.1   | 0.4   | 0.2   | 77    | 0.23  | 0.019  |
| REP 11JM0551        | QC                               | 2.6   | 29.1  | 19.4  | 64    | 0.1   | 20.2  | 9.0   | 284   | 3.30  | 9.0   | 0.6   | 12.3  | 4.6   | 27    | 0.1   | 0.4   | 0.2   | 71    | 0.23  | 0.019  |
| 11JM0567            | Soil                             | 0.2   | 23.6  | 3.3   | 97    | <0.1  | 18.7  | 16.4  | 530   | 4.30  | 1.5   | 0.3   | 1.7   | 2.0   | 18    | <0.1  | <0.1  | <0.1  | 66    | 0.60  | 0.133  |
| REP 11JM0567        | QC                               | 0.3   | 23.6  | 3.4   | 100   | <0.1  | 18.0  | 17.5  | 557   | 4.49  | 1.3   | 0.3   | 1.3   | 2.2   | 20    | <0.1  | <0.1  | <0.1  | 69    | 0.63  | 0.144  |
| 11JM0585            | Soil                             | 0.7   | 25.3  | 17.9  | 55    | <0.1  | 22.4  | 10.7  | 499   | 2.80  | 7.6   | 2.6   | 3.8   | 6.5   | 32    | <0.1  | 0.4   | 0.3   | 65    | 0.40  | 0.052  |
| REP 11JM0585        | QC                               | 0.8   | 24.6  | 18.1  | 52    | <0.1  | 21.7  | 10.5  | 507   | 2.67  | 7.1   | 2.7   | 4.3   | 6.4   | 31    | <0.1  | 0.3   | 0.3   | 64    | 0.38  | 0.050  |
| 11JM0599            | Soil                             | 0.5   | 19.6  | 8.5   | 72    | <0.1  | 15.1  | 13.5  | 516   | 3.43  | 5.1   | 0.8   | 0.7   | 6.4   | 26    | <0.1  | 0.3   | 0.1   | 66    | 0.33  | 0.033  |
| REP 11JM0599        | QC                               | 0.5   | 19.0  | 8.4   | 71    | <0.1  | 14.3  | 12.9  | 488   | 3.26  | 5.0   | 0.8   | 0.8   | 6.3   | 27    | <0.1  | 0.2   | <0.1  | 65    | 0.33  | 0.033  |
| 11JM0629            | Soil                             | 0.5   | 9.7   | 4.5   | 75    | <0.1  | 5.6   | 17.6  | 596   | 4.25  | 1.8   | 0.4   | 1.4   | 9.8   | 29    | <0.1  | <0.1  | <0.1  | 73    | 0.59  | 0.157  |
| REP 11JM0629        | QC                               | 0.4   | 9.7   | 4.3   | 74    | <0.1  | 5.4   | 17.5  | 617   | 4.38  | 1.7   | 0.4   | <0.5  | 9.7   | 28    | <0.1  | <0.1  | <0.1  | 76    | 0.56  | 0.160  |
| 11KJ0299            | Soil                             | 4.5   | 19.9  | 16.5  | 76    | 0.3   | 9.2   | 5.7   | 435   | 2.61  | 5.1   | 0.5   | 54.1  | 4.0   | 22    | 0.3   | 0.3   | 0.3   | 48    | 0.23  | 0.047  |
| REP 11KJ0299        | QC                               | 4.7   | 20.9  | 16.5  | 76    | 0.3   | 9.1   | 5.6   | 429   | 2.62  | 5.0   | 0.5   | 57.6  | 4.0   | 23    | 0.3   | 0.2   | 0.3   | 47    | 0.22  | 0.046  |
| 11KJ0323            | Soil                             | 1.8   | 61.2  | 15.8  | 317   | 0.4   | 14.4  | 19.8  | 845   | 6.15  | 2.9   | 0.7   | 91.6  | 3.3   | 92    | 0.7   | 0.2   | 0.4   | 111   | 1.04  | 0.242  |
| REP 11KJ0323        | QC                               | 1.8   | 59.9  | 16.0  | 322   | 0.4   | 14.9  | 20.3  | 869   | 6.30  | 2.9   | 0.7   | 58.1  | 3.4   | 90    | 0.8   | 0.1   | 0.4   | 112   | 1.00  | 0.242  |
| 11KJ0333            | Soil                             | 1.2   | 22.0  | 21.2  | 63    | 0.8   | 22.1  | 10.6  | 413   | 3.09  | 8.6   | 1.8   | 4.0   | 11.3  | 20    | 0.1   | 0.6   | 0.4   | 72    | 0.24  | 0.028  |
| REP 11KJ0333        | QC                               | 1.0   | 21.2  | 22.0  | 59    | 0.8   | 23.2  | 10.3  | 421   | 3.11  | 8.6   | 1.9   | 4.0   | 11.4  | 21    | 0.1   | 0.7   | 0.4   | 71    | 0.24  | 0.028  |
| 11KJ0362            | Soil                             | 1.0   | 14.0  | 8.4   | 67    | <0.1  | 13.8  | 12.4  | 428   | 3.39  | 3.3   | 0.5   | 1.2   | 3.0   | 27    | 0.2   | 0.1   | 0.2   | 79    | 0.33  | 0.037  |
| REP 11KJ0362        | QC                               | 0.9   | 13.9  | 8.0   | 66    | <0.1  | 13.6  | 11.8  | 423   | 3.40  | 3.5   | 0.5   | 1.4   | 3.0   | 26    | 0.2   | 0.1   | 0.2   | 79    | 0.31  | 0.038  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 13.2  | 105.8 | 122.1 | 304   | 1.8   | 36.8  | 7.3   | 610   | 2.46  | 23.8  | 2.7   | 109.2 | 6.3   | 64    | 2.2   | 5.1   | 5.9   | 41    | 0.68  | 0.079  |
| STD DS8             | Standard                         | 13.1  | 112.9 | 119.9 | 313   | 1.8   | 39.1  | 7.4   | 579   | 2.46  | 25.6  | 2.8   | 107.9 | 6.5   | 66    | 2.3   | 5.2   | 6.2   | 43    | 0.69  | 0.078  |
| STD DS8             | Standard                         | 11.7  | 95.4  | 109.6 | 287   | 1.7   | 34.7  | 7.2   | 575   | 2.31  | 24.6  | 2.4   | 101.7 | 5.5   | 61    | 2.3   | 5.2   | 6.1   | 40    | 0.61  | 0.079  |
| STD DS8             | Standard                         | 13.1  | 109.2 | 126.2 | 310   | 1.8   | 36.4  | 7.7   | 604   | 2.46  | 25.9  | 2.8   | 106.7 | 7.1   | 68    | 2.5   | 5.0   | 6.3   | 44    | 0.66  | 0.073  |
| STD DS8             | Standard                         | 13.8  | 110.7 | 122.4 | 317   | 1.7   | 38.3  | 7.6   | 610   | 2.42  | 25.3  | 2.7   | 106.1 | 6.2   | 68    | 2.1   | 5.2   | 6.5   | 43    | 0.70  | 0.079  |
| STD DS8             | Standard                         | 12.9  | 114.9 | 122.6 | 310   | 1.8   | 39.3  | 7.5   | 597   | 2.39  | 23.8  | 3.0   | 110.0 | 7.4   | 68    | 2.3   | 5.6   | 6.9   | 42    | 0.67  | 0.078  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Report Date: October 25, 2011

Page: 1 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11001367.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11JM0551            | Soil                             | 14    | 34    | 0.63   | 292   | 0.076  | 2     | 2.14  | 0.012  | 0.09  | 0.2   | 0.01  | 3.9   | 0.1   | <0.05  | 7     | 1.0   | <0.2  |
| REP 11JM0551        | QC                               | 14    | 36    | 0.64   | 283   | 0.081  | <1    | 2.24  | 0.012  | 0.10  | <0.1  | 0.02  | 3.9   | 0.1   | <0.05  | 7     | 0.5   | <0.2  |
| 11JM0567            | Soil                             | 5     | 36    | 1.21   | 290   | 0.212  | <1    | 2.55  | 0.015  | 0.66  | <0.1  | <0.01 | 3.9   | 0.2   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11JM0567        | QC                               | 6     | 40    | 1.33   | 288   | 0.223  | <1    | 2.77  | 0.016  | 0.67  | <0.1  | <0.01 | 4.1   | 0.2   | <0.05  | 8     | <0.5  | <0.2  |
| 11JM0585            | Soil                             | 16    | 41    | 0.59   | 241   | 0.078  | 2     | 2.08  | 0.018  | 0.05  | 0.1   | 0.05  | 5.3   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11JM0585        | QC                               | 16    | 41    | 0.60   | 243   | 0.075  | 1     | 2.10  | 0.014  | 0.05  | 0.1   | 0.04  | 5.0   | <0.1  | <0.05  | 6     | 1.0   | <0.2  |
| 11JM0599            | Soil                             | 19    | 24    | 1.02   | 275   | 0.061  | <1    | 2.23  | 0.010  | 0.13  | <0.1  | 0.03  | 4.0   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11JM0599        | QC                               | 20    | 24    | 1.02   | 273   | 0.064  | 2     | 2.27  | 0.011  | 0.13  | <0.1  | 0.03  | 4.0   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| 11JM0629            | Soil                             | 17    | 11    | 1.34   | 844   | 0.210  | <1    | 2.63  | 0.011  | 1.16  | <0.1  | <0.01 | 2.3   | 0.2   | <0.05  | 7     | <0.5  | <0.2  |
| REP 11JM0629        | QC                               | 17    | 11    | 1.33   | 815   | 0.221  | <1    | 2.78  | 0.011  | 1.13  | <0.1  | <0.01 | 2.3   | 0.2   | <0.05  | 7     | <0.5  | <0.2  |
| 11KJ0299            | Soil                             | 16    | 18    | 0.37   | 277   | 0.028  | <1    | 1.70  | 0.007  | 0.11  | <0.1  | 0.01  | 2.4   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| REP 11KJ0299        | QC                               | 16    | 19    | 0.38   | 278   | 0.028  | <1    | 1.68  | 0.007  | 0.11  | <0.1  | <0.01 | 2.4   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| 11KJ0323            | Soil                             | 13    | 24    | 1.59   | 624   | 0.200  | 1     | 3.28  | 0.031  | 0.40  | <0.1  | 0.01  | 6.7   | 0.3   | <0.05  | 10    | <0.5  | 0.2   |
| REP 11KJ0323        | QC                               | 13    | 24    | 1.59   | 621   | 0.202  | <1    | 3.33  | 0.033  | 0.41  | <0.1  | 0.02  | 6.7   | 0.3   | <0.05  | 10    | <0.5  | <0.2  |
| 11KJ0333            | Soil                             | 11    | 38    | 0.55   | 197   | 0.074  | 1     | 2.25  | 0.011  | 0.06  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| REP 11KJ0333        | QC                               | 11    | 39    | 0.57   | 196   | 0.081  | 2     | 2.35  | 0.012  | 0.06  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| 11KJ0362            | Soil                             | 10    | 26    | 1.05   | 150   | 0.149  | <1    | 2.55  | 0.011  | 0.16  | <0.1  | 0.01  | 3.3   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| REP 11KJ0362        | QC                               | 10    | 26    | 1.05   | 149   | 0.151  | <1    | 2.55  | 0.010  | 0.16  | <0.1  | 0.02  | 3.4   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 15    | 118   | 0.61   | 275   | 0.110  | 3     | 0.94  | 0.083  | 0.41  | 3.0   | 0.20  | 2.0   | 5.4   | 0.20   | 5     | 5.3   | 4.9   |
| STD DS8             | Standard                         | 15    | 122   | 0.61   | 266   | 0.112  | 3     | 0.93  | 0.083  | 0.41  | 2.9   | 0.22  | 2.2   | 5.4   | 0.16   | 5     | 5.2   | 4.6   |
| STD DS8             | Standard                         | 12    | 110   | 0.56   | 259   | 0.098  | 2     | 0.87  | 0.096  | 0.42  | 2.7   | 0.19  | 2.4   | 5.2   | 0.13   | 4     | 5.1   | 4.8   |
| STD DS8             | Standard                         | 15    | 113   | 0.63   | 283   | 0.113  | 2     | 0.94  | 0.096  | 0.40  | 2.9   | 0.20  | 2.2   | 5.1   | 0.15   | 4     | 5.1   | 4.9   |
| STD DS8             | Standard                         | 15    | 116   | 0.60   | 269   | 0.116  | 2     | 0.92  | 0.094  | 0.43  | 3.1   | 0.18  | 2.2   | 5.3   | 0.16   | 5     | 5.0   | 4.8   |
| STD DS8             | Standard                         | 15    | 116   | 0.60   | 275   | 0.124  | 2     | 0.92  | 0.101  | 0.40  | 2.9   | 0.20  | 2.4   | 5.3   | 0.16   | 5     | 4.2   | 5.4   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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**Project:** Mariposa

**Report Date:** October 25, 2011

**Page:** 2 of 2 **Part** 1

## QUALITY CONTROL REPORT

WHI11001367.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|     |       | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|     |       | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|     |       | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | 0.01  | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |





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**Project:** Mariposa

**Report Date:** October 25, 2011

**Page:** 2 of 2 **Part** 2

## QUALITY CONTROL REPORT

WHI11001367.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | La    | Cr    | Mg    | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|     |       | ppm   | ppm   | %     | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|     |       | 1     | 1     | 0.01  | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 29, 2011

Report Date: October 25, 2011

Page: 1 of 5

## CERTIFICATE OF ANALYSIS

WHI11001368.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-33  
P.O. Number  
Number of Samples: 113

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 113               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 113               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 113               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 113               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: October 25, 2011

Page: 2 of 5 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001368.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11BH0485 | Soil                             | 0.7   | 29.8  | 7.5   | 98    | 0.3   | 9.5   | 18.7  | 635   | 5.00  | 2.7   | 0.4   | 3.3   | 1.2   | 24    | <0.1  | 0.2   | <0.1  | 146   | 0.65  | 0.089 |
| 11BH0486 | Soil                             | 1.7   | 20.6  | 5.0   | 85    | <0.1  | 5.7   | 12.2  | 363   | 4.02  | 7.1   | 0.2   | 1.0   | 1.1   | 12    | <0.1  | 0.2   | <0.1  | 67    | 0.35  | 0.102 |
| 11BH0487 | Soil                             | 0.6   | 48.9  | 5.7   | 82    | 0.1   | 21.3  | 19.0  | 617   | 4.26  | 3.5   | 0.3   | 1.5   | 1.3   | 42    | <0.1  | 0.2   | <0.1  | 104   | 0.61  | 0.053 |
| 11BH0488 | Soil                             | 0.6   | 56.7  | 6.3   | 76    | 0.3   | 29.4  | 17.2  | 795   | 3.67  | 4.4   | 0.5   | 2.0   | 1.8   | 37    | 0.1   | 0.2   | <0.1  | 92    | 0.84  | 0.068 |
| 11BH0489 | Soil                             | 0.4   | 19.0  | 2.3   | 98    | <0.1  | 19.9  | 9.4   | 527   | 3.41  | 2.3   | 0.6   | <0.5  | 4.5   | 11    | <0.1  | 0.1   | <0.1  | 48    | 0.21  | 0.035 |
| 11BH0490 | Soil                             | 1.3   | 31.5  | 38.4  | 61    | 0.4   | 22.8  | 8.3   | 422   | 3.47  | 11.8  | 6.7   | 1.3   | 13.9  | 24    | 0.1   | 0.7   | 0.5   | 77    | 0.27  | 0.033 |
| 11BH0491 | Soil                             | 0.7   | 20.4  | 20.2  | 57    | <0.1  | 23.3  | 11.4  | 351   | 3.31  | 10.2  | 1.4   | 1.7   | 7.5   | 17    | 0.1   | 0.6   | 0.4   | 66    | 0.19  | 0.036 |
| 11BH0492 | Soil                             | 0.8   | 14.1  | 27.2  | 77    | 0.2   | 16.8  | 8.6   | 587   | 2.55  | 7.5   | 3.5   | 1.8   | 8.0   | 21    | 0.2   | 0.6   | 0.6   | 55    | 0.25  | 0.045 |
| 11BH0493 | Soil                             | 1.3   | 15.3  | 24.5  | 58    | 0.2   | 13.8  | 5.9   | 259   | 2.21  | 5.7   | 3.0   | 1.5   | 5.9   | 21    | 0.1   | 0.7   | 0.8   | 55    | 0.26  | 0.033 |
| 11BH0494 | Soil                             | 6.8   | 35.1  | 7.9   | 54    | 0.2   | 21.2  | 12.6  | 543   | 2.99  | 5.7   | 15.4  | 2.7   | 2.1   | 47    | 0.2   | 0.4   | 0.2   | 72    | 0.74  | 0.046 |
| 11BH0495 | Soil                             | 0.9   | 42.3  | 8.3   | 54    | 0.2   | 20.7  | 9.2   | 367   | 2.92  | 5.0   | 0.9   | 4.5   | 2.3   | 31    | 0.2   | 0.4   | 0.3   | 66    | 0.48  | 0.045 |
| 11BH0496 | Soil                             | 1.0   | 30.9  | 7.5   | 55    | <0.1  | 19.5  | 10.7  | 437   | 2.95  | 6.4   | 0.6   | 4.7   | 2.8   | 30    | 0.1   | 0.4   | 0.3   | 71    | 0.41  | 0.035 |
| 11BH0497 | Soil                             | 1.3   | 29.1  | 9.1   | 51    | 0.1   | 21.3  | 11.1  | 433   | 3.18  | 7.1   | 0.7   | 1.8   | 2.7   | 28    | 0.2   | 0.5   | 0.3   | 73    | 0.45  | 0.037 |
| 11BH0498 | Soil                             | 0.7   | 31.6  | 7.6   | 53    | <0.1  | 22.6  | 11.0  | 410   | 2.80  | 6.8   | 0.8   | 1.9   | 2.8   | 33    | 0.1   | 0.4   | 0.2   | 70    | 0.52  | 0.051 |
| 11BH0499 | Soil                             | 0.8   | 34.2  | 7.3   | 59    | <0.1  | 22.2  | 11.7  | 356   | 2.87  | 5.7   | 0.8   | 3.2   | 2.6   | 28    | 0.1   | 0.4   | 0.3   | 67    | 0.44  | 0.051 |
| 11BH0500 | Soil                             | 0.7   | 33.0  | 8.4   | 61    | 0.1   | 21.8  | 12.2  | 387   | 2.83  | 5.6   | 0.8   | 3.5   | 2.7   | 31    | 0.1   | 0.4   | 0.3   | 67    | 0.50  | 0.051 |
| 11BH0501 | Soil                             | 0.5   | 42.6  | 6.8   | 61    | <0.1  | 31.3  | 15.6  | 481   | 3.68  | 9.0   | 0.7   | 1.9   | 3.2   | 61    | <0.1  | 0.2   | 0.1   | 94    | 0.71  | 0.040 |
| 11BH0502 | Soil                             | 0.2   | 61.9  | 4.5   | 71    | <0.1  | 24.6  | 21.3  | 681   | 4.44  | 3.2   | 0.5   | 0.8   | 2.4   | 48    | <0.1  | 0.1   | <0.1  | 107   | 0.83  | 0.078 |
| 11BH0503 | Soil                             | 0.7   | 26.7  | 7.7   | 68    | 0.1   | 21.2  | 11.4  | 444   | 2.66  | 7.3   | 0.8   | 4.7   | 3.1   | 38    | 0.2   | 0.5   | 0.1   | 60    | 0.52  | 0.065 |
| 11BH0504 | Soil                             | 0.4   | 19.6  | 5.1   | 79    | <0.1  | 14.4  | 14.5  | 568   | 3.30  | 4.3   | 0.5   | 3.0   | 5.7   | 23    | <0.1  | 0.2   | <0.1  | 62    | 0.35  | 0.085 |
| 11BH0505 | Soil                             | 0.5   | 14.1  | 6.5   | 80    | <0.1  | 12.9  | 12.9  | 485   | 3.72  | 4.1   | 0.6   | 1.7   | 6.5   | 25    | <0.1  | 0.3   | <0.1  | 65    | 0.30  | 0.060 |
| 11BH0506 | Soil                             | 0.4   | 11.8  | 10.1  | 85    | <0.1  | 8.0   | 13.0  | 594   | 3.47  | 3.0   | 0.6   | 0.7   | 7.0   | 30    | <0.1  | 0.3   | <0.1  | 53    | 0.41  | 0.091 |
| 11BH0507 | Soil                             | 0.6   | 17.1  | 9.0   | 75    | <0.1  | 18.1  | 11.3  | 441   | 3.24  | 5.7   | 0.8   | <0.5  | 12.4  | 24    | <0.1  | 0.4   | 0.1   | 67    | 0.31  | 0.053 |
| 11BH0508 | Soil                             | 0.4   | 12.8  | 6.6   | 59    | <0.1  | 13.5  | 10.9  | 375   | 2.89  | 4.9   | 0.6   | 1.7   | 5.7   | 23    | <0.1  | 0.3   | <0.1  | 57    | 0.29  | 0.053 |
| 11BH0509 | Soil                             | 0.5   | 14.0  | 8.4   | 74    | <0.1  | 15.4  | 12.1  | 351   | 3.27  | 5.3   | 0.9   | 2.1   | 7.8   | 27    | <0.1  | 0.5   | <0.1  | 62    | 0.34  | 0.046 |
| 11BH0510 | Soil                             | 0.5   | 15.9  | 8.2   | 73    | <0.1  | 17.3  | 10.6  | 430   | 3.09  | 5.2   | 1.0   | 1.1   | 7.4   | 30    | <0.1  | 0.4   | 0.1   | 62    | 0.47  | 0.058 |
| 11BH0511 | Soil                             | 1.6   | 41.8  | 13.4  | 92    | <0.1  | 24.1  | 15.1  | 748   | 4.04  | 8.6   | 1.3   | 6.6   | 6.1   | 30    | 0.3   | 0.4   | 0.2   | 85    | 0.44  | 0.038 |
| 11BH0512 | Soil                             | 0.9   | 18.8  | 9.3   | 79    | <0.1  | 10.6  | 12.5  | 599   | 3.47  | 3.5   | 1.1   | 4.5   | 11.3  | 25    | 0.1   | 0.2   | 0.1   | 44    | 0.22  | 0.034 |
| 11BH0513 | Soil                             | 0.8   | 33.5  | 5.7   | 95    | <0.1  | 19.4  | 18.8  | 819   | 4.63  | 5.4   | 1.2   | 1.6   | 9.1   | 57    | <0.1  | 0.3   | <0.1  | 78    | 0.83  | 0.077 |
| 11BH0514 | Soil                             | 0.9   | 23.2  | 6.1   | 75    | <0.1  | 16.6  | 17.1  | 669   | 4.34  | 6.4   | 0.9   | 1.4   | 4.9   | 51    | <0.1  | 0.2   | <0.1  | 83    | 0.63  | 0.067 |



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Project: Mariposa  
Report Date: October 25, 2011

Page: 2 of 5 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001368.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BH0485 | Soil                             | 6     | 19    | 1.53  | 340   | 0.259 | 1     | 2.88  | 0.018 | 0.59  | 0.2   | <0.01 | 5.6   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0486 | Soil                             | 3     | 10    | 0.93  | 134   | 0.248 | <1    | 2.39  | 0.007 | 0.56  | <0.1  | <0.01 | 2.0   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0487 | Soil                             | 7     | 39    | 1.38  | 235   | 0.207 | 1     | 2.84  | 0.023 | 0.13  | 0.1   | 0.01  | 5.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0488 | Soil                             | 9     | 55    | 1.15  | 291   | 0.139 | <1    | 2.63  | 0.030 | 0.08  | <0.1  | 0.02  | 6.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0489 | Soil                             | 17    | 25    | 1.15  | 222   | 0.197 | <1    | 2.07  | 0.009 | 0.48  | 0.1   | <0.01 | 5.6   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0490 | Soil                             | 21    | 38    | 0.49  | 353   | 0.037 | 2     | 2.72  | 0.014 | 0.08  | 0.1   | 0.04  | 4.9   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11BH0491 | Soil                             | 11    | 35    | 0.55  | 162   | 0.069 | 2     | 2.41  | 0.013 | 0.06  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11BH0492 | Soil                             | 15    | 29    | 0.42  | 251   | 0.044 | 2     | 1.98  | 0.010 | 0.08  | 0.2   | 0.03  | 3.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0493 | Soil                             | 13    | 27    | 0.39  | 226   | 0.055 | 2     | 1.68  | 0.013 | 0.06  | 0.1   | 0.03  | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0494 | Soil                             | 14    | 33    | 0.67  | 434   | 0.070 | 2     | 2.40  | 0.020 | 0.06  | 0.2   | 0.05  | 6.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0495 | Soil                             | 14    | 35    | 0.62  | 499   | 0.057 | 1     | 2.48  | 0.019 | 0.06  | 0.3   | 0.06  | 6.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0496 | Soil                             | 11    | 33    | 0.66  | 313   | 0.083 | 1     | 1.94  | 0.019 | 0.05  | 0.2   | 0.01  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0497 | Soil                             | 13    | 34    | 0.56  | 502   | 0.050 | <1    | 2.36  | 0.017 | 0.05  | 0.2   | 0.04  | 4.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0498 | Soil                             | 13    | 38    | 0.67  | 331   | 0.086 | 1     | 2.14  | 0.020 | 0.05  | 0.2   | 0.03  | 5.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0499 | Soil                             | 12    | 38    | 0.73  | 327   | 0.074 | 2     | 2.19  | 0.018 | 0.04  | 0.2   | 0.04  | 5.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0500 | Soil                             | 13    | 36    | 0.71  | 342   | 0.075 | 1     | 2.14  | 0.018 | 0.04  | 0.2   | 0.04  | 5.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0501 | Soil                             | 10    | 67    | 1.29  | 325   | 0.146 | 2     | 2.92  | 0.017 | 0.06  | <0.1  | 0.02  | 8.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0502 | Soil                             | 11    | 35    | 2.04  | 176   | 0.065 | 2     | 3.20  | 0.011 | 0.04  | <0.1  | 0.02  | 10.6  | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11BH0503 | Soil                             | 15    | 28    | 0.59  | 283   | 0.095 | 1     | 1.64  | 0.029 | 0.06  | 0.2   | 0.04  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0504 | Soil                             | 14    | 23    | 0.92  | 257   | 0.171 | <1    | 2.45  | 0.014 | 0.50  | 0.1   | <0.01 | 2.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0505 | Soil                             | 22    | 22    | 0.89  | 275   | 0.173 | 1     | 2.39  | 0.013 | 0.38  | <0.1  | <0.01 | 2.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0506 | Soil                             | 21    | 15    | 0.86  | 133   | 0.098 | 1     | 2.23  | 0.009 | 0.27  | <0.1  | 0.01  | 2.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0507 | Soil                             | 22    | 29    | 0.75  | 174   | 0.148 | 1     | 2.19  | 0.015 | 0.23  | 0.1   | 0.02  | 3.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0508 | Soil                             | 16    | 24    | 0.67  | 166   | 0.123 | <1    | 1.81  | 0.012 | 0.16  | 0.1   | 0.01  | 2.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0509 | Soil                             | 22    | 27    | 0.74  | 204   | 0.118 | 1     | 2.02  | 0.015 | 0.19  | 0.2   | 0.02  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0510 | Soil                             | 23    | 31    | 0.77  | 213   | 0.117 | 1     | 2.04  | 0.019 | 0.14  | 0.1   | 0.03  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0511 | Soil                             | 22    | 45    | 1.15  | 337   | 0.119 | 2     | 2.63  | 0.018 | 0.09  | <0.1  | 0.04  | 10.5  | <0.1  | <0.05 | 8     | 0.6   | <0.2  |
| 11BH0512 | Soil                             | 11    | 19    | 0.68  | 128   | 0.029 | <1    | 2.11  | 0.011 | 0.12  | <0.1  | <0.01 | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0513 | Soil                             | 26    | 23    | 1.36  | 361   | 0.162 | 1     | 2.54  | 0.013 | 0.13  | <0.1  | 0.02  | 4.9   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0514 | Soil                             | 15    | 24    | 1.23  | 292   | 0.135 | 2     | 2.45  | 0.011 | 0.09  | <0.1  | <0.01 | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001368.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11BH0515 | Soil                             | 0.4   | 26.5  | 5.9   | 87    | <0.1  | 10.9  | 21.7  | 802   | 5.23  | 3.4   | 1.0   | <0.5  | 12.4  | 53    | <0.1  | 0.1   | <0.1  | 110   | 0.46  | 0.055 |
| 11BH0516 | Soil                             | 0.6   | 28.3  | 7.1   | 76    | <0.1  | 15.2  | 14.8  | 595   | 4.04  | 5.7   | 1.0   | 0.8   | 7.0   | 30    | <0.1  | 0.3   | 0.1   | 103   | 0.54  | 0.051 |
| 11BH0517 | Soil                             | 0.8   | 15.1  | 6.4   | 79    | <0.1  | 13.4  | 13.5  | 541   | 4.06  | 7.8   | 0.4   | <0.5  | 5.2   | 20    | <0.1  | 0.2   | <0.1  | 83    | 0.26  | 0.079 |
| 11BH0518 | Soil                             | 0.8   | 14.7  | 7.9   | 76    | <0.1  | 10.5  | 14.8  | 613   | 3.88  | 5.4   | 0.5   | 2.2   | 5.9   | 19    | <0.1  | 0.3   | 0.1   | 85    | 0.28  | 0.060 |
| 11BH0519 | Soil                             | 0.3   | 27.2  | 4.2   | 101   | <0.1  | 6.2   | 21.0  | 898   | 5.45  | 2.3   | 0.7   | <0.5  | 15.7  | 32    | <0.1  | 0.2   | <0.1  | 99    | 0.34  | 0.060 |
| 11BH0520 | Soil                             | 0.5   | 20.1  | 7.7   | 55    | <0.1  | 16.3  | 11.2  | 312   | 3.13  | 6.1   | 0.7   | 2.0   | 5.9   | 24    | <0.1  | 0.3   | 0.1   | 72    | 0.30  | 0.031 |
| 11BH0521 | Soil                             | 0.8   | 15.7  | 9.2   | 76    | <0.1  | 11.8  | 12.9  | 572   | 3.91  | 5.6   | 1.0   | 4.1   | 9.2   | 28    | <0.1  | 0.4   | 0.2   | 69    | 0.33  | 0.037 |
| 11BH0522 | Soil                             | 0.7   | 13.1  | 8.0   | 64    | <0.1  | 11.2  | 11.9  | 502   | 3.82  | 5.0   | 0.8   | 2.1   | 6.3   | 21    | <0.1  | 0.3   | <0.1  | 70    | 0.21  | 0.030 |
| 11BH0523 | Soil                             | 1.0   | 10.9  | 5.9   | 80    | <0.1  | 13.6  | 17.5  | 769   | 4.38  | 6.3   | 0.4   | 0.7   | 4.9   | 17    | <0.1  | 0.3   | 0.1   | 71    | 0.22  | 0.082 |
| 11BH0524 | Soil                             | 0.6   | 13.1  | 6.7   | 51    | <0.1  | 13.5  | 10.3  | 389   | 3.03  | 5.2   | 0.5   | 2.2   | 5.0   | 24    | <0.1  | 0.3   | 0.1   | 66    | 0.27  | 0.031 |
| 11BH0525 | Soil                             | 0.6   | 22.1  | 5.9   | 56    | <0.1  | 18.1  | 12.9  | 425   | 3.53  | 7.1   | 0.6   | 1.6   | 6.0   | 14    | <0.1  | 0.4   | <0.1  | 80    | 0.15  | 0.020 |
| 11BH0526 | Soil                             | 0.7   | 13.7  | 5.9   | 58    | <0.1  | 8.4   | 10.9  | 711   | 3.36  | 3.1   | 0.6   | 0.7   | 3.4   | 20    | <0.1  | 0.2   | <0.1  | 67    | 0.24  | 0.051 |
| 11BH0527 | Soil                             | 0.7   | 14.6  | 5.0   | 61    | <0.1  | 8.8   | 13.2  | 540   | 4.04  | 4.8   | 0.4   | 1.3   | 4.4   | 13    | <0.1  | 0.2   | <0.1  | 94    | 0.14  | 0.023 |
| 11BH0528 | Soil                             | 0.7   | 18.6  | 7.6   | 58    | <0.1  | 12.8  | 13.5  | 469   | 3.70  | 6.1   | 0.9   | 1.2   | 7.4   | 15    | <0.1  | 0.3   | <0.1  | 76    | 0.17  | 0.027 |
| 11BH0529 | Soil                             | 0.6   | 12.0  | 4.6   | 68    | <0.1  | 7.0   | 19.3  | 823   | 4.42  | 3.5   | 0.6   | <0.5  | 5.7   | 19    | <0.1  | 0.1   | <0.1  | 102   | 0.43  | 0.086 |
| 11BH0530 | Soil                             | 0.8   | 18.5  | 8.6   | 57    | <0.1  | 23.1  | 14.3  | 355   | 3.49  | 10.4  | 0.5   | 3.1   | 5.2   | 17    | <0.1  | 0.5   | 0.1   | 66    | 0.17  | 0.036 |
| 11BH0531 | Soil                             | 0.7   | 16.8  | 8.2   | 53    | <0.1  | 18.1  | 11.9  | 468   | 3.44  | 7.8   | 0.7   | 1.2   | 5.3   | 25    | <0.1  | 0.6   | 0.1   | 71    | 0.28  | 0.033 |
| 11BH0532 | Soil                             | 0.4   | 115.7 | 3.3   | 38    | <0.1  | 24.5  | 21.4  | 436   | 3.34  | 9.9   | 0.4   | 1.1   | 2.1   | 26    | <0.1  | 0.4   | <0.1  | 80    | 0.47  | 0.030 |
| 11BH0533 | Soil                             | 0.5   | 24.7  | 5.0   | 71    | <0.1  | 10.9  | 15.7  | 522   | 4.09  | 5.7   | 0.4   | 3.8   | 3.3   | 19    | <0.1  | 0.2   | <0.1  | 71    | 0.23  | 0.038 |
| 11BH0534 | Soil                             | 0.6   | 18.9  | 7.3   | 51    | <0.1  | 23.6  | 11.8  | 310   | 2.89  | 9.0   | 0.5   | 1.1   | 5.6   | 20    | <0.1  | 0.5   | 0.1   | 59    | 0.21  | 0.025 |
| 11BH0535 | Soil                             | 0.7   | 18.8  | 7.6   | 54    | <0.1  | 24.0  | 12.0  | 330   | 2.99  | 9.1   | 0.5   | 2.1   | 5.7   | 21    | <0.1  | 0.5   | 0.1   | 62    | 0.22  | 0.025 |
| 11BH0536 | Soil                             | 0.3   | 7.5   | 3.4   | 45    | <0.1  | 6.2   | 12.4  | 310   | 3.00  | 3.4   | 0.4   | <0.5  | 3.8   | 41    | <0.1  | 0.3   | <0.1  | 53    | 0.38  | 0.043 |
| 11BH0537 | Soil                             | 1.6   | 17.8  | 6.6   | 93    | <0.1  | 7.4   | 15.7  | 682   | 4.66  | 3.8   | 0.6   | <0.5  | 5.4   | 27    | <0.1  | 0.3   | <0.1  | 82    | 0.26  | 0.042 |
| 11BH0538 | Soil                             | 0.8   | 13.5  | 11.3  | 43    | <0.1  | 9.7   | 8.4   | 440   | 2.69  | 3.7   | 1.0   | 0.6   | 4.5   | 31    | <0.1  | 0.2   | <0.1  | 36    | 0.43  | 0.039 |
| 11BH0539 | Soil                             | 0.2   | 5.9   | 7.5   | 53    | <0.1  | 4.8   | 10.5  | 355   | 3.29  | 1.6   | 1.0   | 0.5   | 5.7   | 19    | <0.1  | <0.1  | <0.1  | 40    | 0.29  | 0.055 |
| 11BH0540 | Soil                             | 0.7   | 17.6  | 8.9   | 60    | <0.1  | 18.0  | 10.6  | 384   | 3.26  | 8.0   | 0.6   | 5.4   | 8.3   | 23    | <0.1  | 0.5   | <0.1  | 66    | 0.24  | 0.035 |
| 11BH0541 | Soil                             | 0.5   | 17.1  | 7.3   | 63    | <0.1  | 18.8  | 12.0  | 377   | 3.49  | 8.5   | 0.5   | 1.2   | 5.9   | 29    | <0.1  | 0.4   | <0.1  | 65    | 0.32  | 0.033 |
| 11BH0542 | Soil                             | 0.3   | 11.3  | 5.0   | 73    | <0.1  | 7.3   | 15.1  | 678   | 3.94  | 3.0   | 0.4   | <0.5  | 6.2   | 22    | <0.1  | 0.1   | <0.1  | 82    | 0.25  | 0.049 |
| 11BH0543 | Soil                             | 0.4   | 13.3  | 7.3   | 60    | <0.1  | 12.4  | 10.3  | 402   | 2.85  | 4.6   | 0.9   | 2.2   | 6.9   | 29    | <0.1  | 0.3   | <0.1  | 54    | 0.42  | 0.071 |
| 11BH0544 | Soil                             | 0.4   | 9.1   | 6.2   | 67    | <0.1  | 6.9   | 11.1  | 494   | 3.50  | 3.6   | 0.5   | 0.7   | 6.0   | 16    | <0.1  | 0.4   | <0.1  | 63    | 0.22  | 0.052 |



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Project: Mariposa  
Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001368.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BH0515 | Soil                             | 21    | 17    | 1.67  | 424   | 0.065 | 1     | 3.16  | 0.009 | 0.17  | <0.1  | <0.01 | 5.9   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0516 | Soil                             | 20    | 28    | 1.23  | 305   | 0.130 | 2     | 2.57  | 0.017 | 0.15  | <0.1  | 0.01  | 5.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0517 | Soil                             | 10    | 24    | 1.04  | 197   | 0.158 | 2     | 2.38  | 0.016 | 0.48  | 0.1   | 0.02  | 2.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0518 | Soil                             | 13    | 22    | 1.09  | 271   | 0.158 | 2     | 2.50  | 0.011 | 0.62  | <0.1  | 0.01  | 3.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0519 | Soil                             | 27    | 12    | 1.78  | 284   | 0.271 | <1    | 3.56  | 0.011 | 1.42  | 0.1   | <0.01 | 2.6   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0520 | Soil                             | 14    | 28    | 0.80  | 208   | 0.116 | 2     | 2.23  | 0.016 | 0.10  | <0.1  | 0.02  | 4.1   | <0.1  | <0.05 | 7     | 0.9   | <0.2  |
| 11BH0521 | Soil                             | 81    | 23    | 0.94  | 507   | 0.121 | 2     | 2.82  | 0.011 | 0.47  | 0.1   | 0.02  | 3.8   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0522 | Soil                             | 28    | 21    | 0.86  | 371   | 0.125 | <1    | 2.43  | 0.010 | 0.39  | <0.1  | 0.01  | 3.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0523 | Soil                             | 9     | 23    | 1.06  | 229   | 0.162 | <1    | 3.06  | 0.009 | 0.54  | 0.1   | 0.01  | 1.9   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0524 | Soil                             | 16    | 23    | 0.74  | 254   | 0.103 | <1    | 1.89  | 0.013 | 0.16  | 0.1   | 0.02  | 2.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0525 | Soil                             | 10    | 29    | 0.88  | 232   | 0.125 | <1    | 2.42  | 0.010 | 0.35  | 0.1   | 0.01  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0526 | Soil                             | 17    | 16    | 0.78  | 470   | 0.103 | <1    | 2.23  | 0.010 | 0.41  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0527 | Soil                             | 8     | 17    | 1.16  | 215   | 0.188 | 1     | 2.57  | 0.009 | 0.90  | <0.1  | 0.01  | 2.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0528 | Soil                             | 15    | 24    | 0.85  | 168   | 0.107 | 1     | 2.36  | 0.008 | 0.48  | 0.1   | 0.02  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0529 | Soil                             | 4     | 13    | 1.48  | 400   | 0.268 | <1    | 2.75  | 0.007 | 1.14  | <0.1  | <0.01 | 2.4   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0530 | Soil                             | 9     | 35    | 0.71  | 276   | 0.108 | 1     | 2.73  | 0.010 | 0.19  | 0.1   | 0.04  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0531 | Soil                             | 14    | 31    | 0.74  | 280   | 0.099 | <1    | 2.13  | 0.011 | 0.19  | 0.1   | 0.01  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0532 | Soil                             | 5     | 22    | 1.53  | 322   | 0.053 | 1     | 2.34  | 0.015 | 0.09  | <0.1  | <0.01 | 6.6   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11BH0533 | Soil                             | 7     | 14    | 1.21  | 386   | 0.167 | <1    | 2.65  | 0.011 | 0.59  | <0.1  | <0.01 | 2.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0534 | Soil                             | 13    | 30    | 0.65  | 313   | 0.085 | <1    | 1.84  | 0.010 | 0.11  | 0.1   | 0.01  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0535 | Soil                             | 13    | 32    | 0.68  | 321   | 0.093 | 1     | 1.95  | 0.012 | 0.12  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0536 | Soil                             | 8     | 10    | 0.73  | 167   | 0.021 | <1    | 2.15  | 0.011 | 0.11  | 0.1   | <0.01 | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0537 | Soil                             | 6     | 14    | 1.30  | 431   | 0.194 | <1    | 2.95  | 0.010 | 0.81  | <0.1  | <0.01 | 2.7   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0538 | Soil                             | 22    | 14    | 0.33  | 1738  | 0.010 | 1     | 1.64  | 0.009 | 0.15  | 0.1   | 0.02  | 6.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0539 | Soil                             | 11    | 7     | 0.69  | 532   | 0.040 | <1    | 2.04  | 0.007 | 0.27  | 0.2   | <0.01 | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0540 | Soil                             | 13    | 31    | 0.72  | 229   | 0.067 | <1    | 1.88  | 0.009 | 0.06  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0541 | Soil                             | 11    | 31    | 0.82  | 244   | 0.120 | <1    | 2.15  | 0.012 | 0.25  | 0.1   | 0.01  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0542 | Soil                             | 8     | 12    | 1.29  | 302   | 0.158 | <1    | 2.47  | 0.008 | 0.88  | <0.1  | <0.01 | 2.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0543 | Soil                             | 18    | 21    | 0.72  | 254   | 0.112 | <1    | 1.62  | 0.014 | 0.26  | 0.2   | 0.02  | 3.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0544 | Soil                             | 6     | 14    | 0.92  | 265   | 0.188 | <1    | 1.97  | 0.007 | 0.92  | 0.2   | <0.01 | 2.4   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001368.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11BH0545 | Soil                             | 0.3   | 11.8  | 4.4   | 93    | <0.1  | 8.0   | 17.6  | 755   | 5.04  | 3.1   | 0.9   | 1.1   | 10.1  | 31    | <0.1  | 0.6   | <0.1  | 75    | 0.49  | 0.113 |
| 11BH0546 | Soil                             | 0.3   | 8.4   | 10.4  | 59    | <0.1  | 4.1   | 8.6   | 368   | 2.99  | 3.6   | 0.5   | 1.9   | 4.2   | 12    | <0.1  | 0.5   | <0.1  | 43    | 0.13  | 0.022 |
| 11BH0547 | Soil                             | 0.4   | 6.3   | 4.5   | 70    | <0.1  | 6.6   | 13.1  | 472   | 3.80  | 3.3   | 0.5   | 0.7   | 4.5   | 18    | <0.1  | 0.2   | <0.1  | 66    | 0.21  | 0.044 |
| 11BH0548 | Soil                             | 0.5   | 6.1   | 5.8   | 67    | <0.1  | 6.1   | 12.5  | 492   | 3.74  | 3.6   | 0.6   | <0.5  | 5.3   | 23    | <0.1  | 0.7   | <0.1  | 60    | 0.25  | 0.048 |
| 11BH0549 | Soil                             | 0.4   | 9.3   | 4.3   | 69    | <0.1  | 9.6   | 13.5  | 509   | 3.75  | 3.1   | 0.7   | 0.5   | 5.8   | 22    | <0.1  | 0.5   | <0.1  | 70    | 0.40  | 0.074 |
| 11BH0550 | Soil                             | 0.5   | 12.6  | 6.8   | 64    | <0.1  | 11.2  | 11.6  | 391   | 3.16  | 5.4   | 1.0   | 1.5   | 11.3  | 21    | <0.1  | 0.5   | <0.1  | 59    | 0.24  | 0.038 |
| 11BH0551 | Soil                             | 0.8   | 20.9  | 8.1   | 52    | <0.1  | 16.5  | 10.0  | 510   | 2.93  | 6.2   | 0.8   | 1.9   | 4.3   | 29    | <0.1  | 0.6   | <0.1  | 59    | 0.35  | 0.025 |
| 11BH0552 | Soil                             | 0.5   | 36.8  | 2.5   | 56    | <0.1  | 7.2   | 17.2  | 410   | 3.42  | 3.1   | 0.6   | <0.5  | 2.6   | 17    | <0.1  | 0.2   | <0.1  | 87    | 0.58  | 0.140 |
| 11BH0553 | Soil                             | 0.5   | 8.1   | 8.8   | 69    | <0.1  | 8.6   | 12.0  | 630   | 3.94  | 4.3   | 1.2   | 0.6   | 9.2   | 19    | <0.1  | 0.2   | <0.1  | 53    | 0.31  | 0.068 |
| 11BH0554 | Soil                             | 0.8   | 16.3  | 7.7   | 57    | <0.1  | 19.5  | 10.7  | 374   | 3.21  | 8.7   | 0.7   | 1.2   | 7.9   | 24    | <0.1  | 0.5   | <0.1  | 65    | 0.23  | 0.029 |
| 11BH0555 | Soil                             | 0.6   | 7.5   | 4.5   | 75    | <0.1  | 9.1   | 15.2  | 661   | 4.45  | 4.1   | 1.1   | 0.9   | 13.3  | 14    | <0.1  | 0.3   | <0.1  | 99    | 0.19  | 0.033 |
| 11BH0556 | Soil                             | 0.4   | 8.3   | 3.4   | 64    | <0.1  | 8.2   | 14.3  | 598   | 4.14  | 3.8   | 1.3   | 1.6   | 18.6  | 19    | <0.1  | 0.2   | <0.1  | 80    | 0.36  | 0.056 |
| 11BH0557 | Soil                             | 0.5   | 9.8   | 4.6   | 73    | <0.1  | 12.3  | 13.4  | 450   | 3.96  | 4.4   | 0.7   | 1.0   | 8.4   | 16    | <0.1  | 0.2   | <0.1  | 87    | 0.18  | 0.039 |
| 11BH0558 | Soil                             | 0.7   | 10.5  | 3.9   | 82    | <0.1  | 7.4   | 17.2  | 707   | 5.07  | 2.7   | 1.1   | 1.2   | 8.8   | 21    | <0.1  | 0.3   | <0.1  | 91    | 0.49  | 0.145 |
| 11JM0634 | Soil                             | 0.9   | 23.5  | 7.7   | 53    | <0.1  | 21.9  | 10.8  | 271   | 3.00  | 8.1   | 0.6   | 2.8   | 4.6   | 20    | <0.1  | 0.4   | 0.1   | 60    | 0.22  | 0.031 |
| 11JM0635 | Soil                             | 0.7   | 33.7  | 7.5   | 53    | 0.1   | 25.3  | 13.6  | 495   | 2.96  | 6.8   | 0.6   | 4.0   | 5.5   | 36    | <0.1  | 0.3   | 0.1   | 61    | 0.47  | 0.029 |
| 11JM0636 | Soil                             | 0.6   | 27.1  | 6.7   | 56    | <0.1  | 22.5  | 11.9  | 360   | 3.14  | 5.7   | 0.8   | 3.0   | 7.7   | 27    | <0.1  | 0.4   | 0.1   | 64    | 0.38  | 0.046 |
| 11JM0637 | Soil                             | 0.4   | 38.2  | 3.4   | 80    | <0.1  | 21.6  | 23.8  | 681   | 4.74  | 5.1   | 0.4   | <0.5  | 6.5   | 21    | <0.1  | 0.1   | <0.1  | 71    | 0.32  | 0.085 |
| 11JM0638 | Soil                             | 0.6   | 31.4  | 3.7   | 74    | <0.1  | 22.0  | 20.1  | 515   | 3.90  | 2.5   | 0.4   | 0.6   | 5.1   | 25    | <0.1  | 0.1   | <0.1  | 64    | 0.49  | 0.101 |
| 11JM0639 | Soil                             | 0.5   | 26.0  | 5.5   | 74    | <0.1  | 23.8  | 19.3  | 505   | 3.92  | 3.8   | 0.4   | 1.0   | 6.8   | 19    | <0.1  | 0.3   | <0.1  | 63    | 0.22  | 0.034 |
| 11JM0640 | Soil                             | 0.5   | 24.9  | 5.0   | 69    | <0.1  | 22.1  | 19.6  | 495   | 3.61  | 3.8   | 0.4   | 0.8   | 6.9   | 19    | <0.1  | 0.2   | <0.1  | 59    | 0.22  | 0.034 |
| 11JM0641 | Soil                             | 0.4   | 27.2  | 6.6   | 71    | <0.1  | 25.4  | 16.7  | 499   | 3.49  | 3.2   | 0.7   | 1.0   | 7.6   | 28    | <0.1  | 0.2   | <0.1  | 60    | 0.43  | 0.083 |
| 11JM0642 | Soil                             | 0.6   | 21.5  | 7.8   | 57    | <0.1  | 18.9  | 12.4  | 309   | 3.22  | 5.6   | 0.5   | 0.5   | 5.3   | 19    | <0.1  | 0.3   | 0.1   | 65    | 0.23  | 0.033 |
| 11JM0643 | Soil                             | 0.3   | 101.0 | 3.7   | 58    | <0.1  | 16.6  | 17.4  | 378   | 3.31  | 2.6   | 0.3   | 4.4   | 1.7   | 65    | <0.1  | 0.1   | <0.1  | 74    | 1.41  | 0.504 |
| 11JM0644 | Soil                             | 0.3   | 414.7 | 2.3   | 113   | 0.2   | 28.5  | 42.9  | 609   | 6.20  | 1.0   | 0.5   | 2.6   | 1.1   | 46    | 0.2   | 0.2   | <0.1  | 151   | 1.01  | 0.190 |
| 11JM0645 | Soil                             | 0.3   | 228.6 | 3.3   | 88    | <0.1  | 12.5  | 36.7  | 552   | 4.16  | 3.0   | 0.4   | 5.3   | 1.0   | 151   | 0.2   | <0.1  | 0.1   | 105   | 3.99  | 1.417 |
| 11JM0646 | Soil                             | 0.7   | 155.7 | 33.6  | 225   | 0.3   | 19.2  | 16.8  | 435   | 4.74  | 23.6  | 1.2   | 4.3   | 4.9   | 111   | 0.4   | 0.1   | 1.7   | 83    | 0.54  | 0.120 |
| 11JM0647 | Soil                             | 0.3   | 20.5  | 7.0   | 60    | <0.1  | 14.4  | 11.4  | 561   | 2.89  | 5.1   | 1.0   | 1.5   | 6.3   | 70    | <0.1  | 0.2   | <0.1  | 49    | 0.73  | 0.071 |
| 11JM0648 | Soil                             | <0.1  | 7.7   | 4.3   | 55    | <0.1  | 75.8  | 15.3  | 439   | 2.53  | 3.0   | 0.6   | 1.8   | 3.3   | 132   | <0.1  | <0.1  | <0.1  | 49    | 1.09  | 0.042 |
| 11JM0649 | Soil                             | 0.3   | 5.8   | 5.4   | 80    | <0.1  | 5.9   | 13.0  | 640   | 3.28  | 2.4   | 0.6   | <0.5  | 5.5   | 67    | 0.1   | <0.1  | <0.1  | 43    | 0.69  | 0.075 |



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**Report Date:** October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001368.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BH0545 | Soil                             | 32    | 13    | 1.28  | 384   | 0.143 | <1    | 2.39  | 0.014 | 0.59  | 0.3   | 0.01  | 4.5   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0546 | Soil                             | 4     | 8     | 0.75  | 225   | 0.171 | <1    | 1.89  | 0.007 | 0.82  | 0.3   | 0.01  | 1.3   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0547 | Soil                             | 8     | 11    | 1.07  | 275   | 0.193 | <1    | 2.62  | 0.009 | 0.90  | <0.1  | <0.01 | 2.6   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0548 | Soil                             | 6     | 11    | 1.03  | 267   | 0.129 | <1    | 2.51  | 0.007 | 0.71  | 0.6   | <0.01 | 2.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0549 | Soil                             | 13    | 15    | 1.11  | 366   | 0.214 | <1    | 2.38  | 0.009 | 0.92  | 0.2   | <0.01 | 4.0   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0550 | Soil                             | 18    | 17    | 0.88  | 284   | 0.162 | <1    | 1.99  | 0.008 | 0.66  | 0.2   | <0.01 | 4.1   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0551 | Soil                             | 12    | 24    | 0.60  | 342   | 0.100 | <1    | 1.58  | 0.015 | 0.28  | 0.2   | 0.02  | 4.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0552 | Soil                             | 7     | 10    | 1.10  | 267   | 0.124 | <1    | 2.17  | 0.047 | 0.64  | <0.1  | <0.01 | 4.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0553 | Soil                             | 10    | 13    | 0.99  | 240   | 0.034 | <1    | 2.14  | 0.007 | 0.34  | <0.1  | <0.01 | 4.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0554 | Soil                             | 13    | 32    | 0.74  | 205   | 0.134 | <1    | 2.06  | 0.015 | 0.39  | 0.1   | 0.01  | 5.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0555 | Soil                             | 17    | 18    | 1.20  | 367   | 0.229 | <1    | 2.55  | 0.014 | 0.96  | <0.1  | <0.01 | 5.6   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0556 | Soil                             | 17    | 17    | 1.58  | 309   | 0.118 | <1    | 2.62  | 0.016 | 0.76  | <0.1  | <0.01 | 9.6   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0557 | Soil                             | 15    | 21    | 1.03  | 249   | 0.135 | 1     | 2.23  | 0.011 | 0.45  | <0.1  | <0.01 | 5.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0558 | Soil                             | 13    | 12    | 1.13  | 357   | 0.174 | 2     | 2.45  | 0.010 | 0.74  | <0.1  | 0.02  | 9.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0634 | Soil                             | 12    | 32    | 0.61  | 223   | 0.098 | <1    | 2.02  | 0.012 | 0.09  | <0.1  | 0.02  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0635 | Soil                             | 22    | 40    | 0.81  | 747   | 0.094 | 2     | 1.69  | 0.021 | 0.08  | 0.1   | 0.04  | 5.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0636 | Soil                             | 25    | 41    | 0.85  | 203   | 0.118 | 2     | 1.87  | 0.013 | 0.13  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0637 | Soil                             | 6     | 51    | 1.92  | 144   | 0.246 | 1     | 2.75  | 0.011 | 0.77  | 0.2   | <0.01 | 1.7   | 0.5   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0638 | Soil                             | 12    | 48    | 1.52  | 137   | 0.200 | <1    | 2.24  | 0.012 | 0.68  | 0.2   | <0.01 | 1.8   | 0.5   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0639 | Soil                             | 8     | 48    | 1.39  | 127   | 0.177 | 1     | 2.55  | 0.011 | 0.30  | 0.1   | <0.01 | 2.3   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0640 | Soil                             | 9     | 45    | 1.28  | 127   | 0.171 | 1     | 2.35  | 0.010 | 0.27  | 0.1   | <0.01 | 2.1   | 0.3   | <0.05 | 6     | 0.6   | <0.2  |
| 11JM0641 | Soil                             | 20    | 50    | 1.29  | 189   | 0.140 | 1     | 2.10  | 0.010 | 0.31  | 0.1   | <0.01 | 3.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0642 | Soil                             | 9     | 37    | 0.81  | 147   | 0.153 | 1     | 2.18  | 0.015 | 0.13  | 0.1   | 0.01  | 2.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0643 | Soil                             | 6     | 36    | 1.32  | 189   | 0.084 | <1    | 1.95  | 0.048 | 0.28  | <0.1  | 0.01  | 3.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0644 | Soil                             | 5     | 54    | 1.98  | 391   | 0.136 | 1     | 2.65  | 0.036 | 0.40  | <0.1  | <0.01 | 10.3  | 0.1   | <0.05 | 7     | 1.5   | 0.2   |
| 11JM0645 | Soil                             | 3     | 17    | 1.45  | 315   | 0.047 | 1     | 2.31  | 0.079 | 0.12  | 0.1   | <0.01 | 7.0   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11JM0646 | Soil                             | 19    | 37    | 1.35  | 394   | 0.098 | 1     | 2.35  | 0.012 | 0.62  | <0.1  | 0.01  | 5.7   | 0.3   | 0.20  | 6     | <0.5  | <0.2  |
| 11JM0647 | Soil                             | 15    | 20    | 0.72  | 259   | 0.137 | 1     | 1.77  | 0.015 | 0.13  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0648 | Soil                             | 9     | 177   | 1.63  | 154   | 0.154 | 2     | 2.55  | 0.012 | 0.08  | <0.1  | <0.01 | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0649 | Soil                             | 9     | 8     | 0.94  | 130   | 0.154 | <1    | 2.31  | 0.007 | 0.24  | <0.1  | <0.01 | 1.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: October 25, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001368.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11JM0650 | Soil                             | 0.3              | 11.3             | 3.4              | 50             | <0.1             | 5.5              | 13.1             | 605            | 2.95            | 3.0              | 0.5             | <0.5             | 4.2              | 120            | <0.1             | <0.1             | <0.1             | 67            | 1.57            | 0.043           |
| 11JM0651 | Soil                             | 0.8              | 11.7             | 5.2              | 69             | <0.1             | 8.2              | 15.9             | 788            | 4.00            | 4.0              | 0.7             | 1.0              | 5.9              | 98             | <0.1             | 0.1              | <0.1             | 95            | 1.07            | 0.061           |
| 11JM0652 | Soil                             | 0.4              | 11.8             | 6.1              | 66             | <0.1             | 13.8             | 11.4             | 509            | 2.95            | 4.4              | 0.9             | 0.9              | 8.0              | 43             | <0.1             | 0.2              | <0.1             | 51            | 0.46            | 0.046           |
| 11JM0653 | Soil                             | 0.7              | 15.6             | 7.5              | 57             | <0.1             | 19.2             | 11.1             | 380            | 2.76            | 6.9              | 0.8             | 2.8              | 8.5              | 24             | <0.1             | 0.4              | 0.1              | 55            | 0.20            | 0.028           |
| 11JM0654 | Soil                             | 0.5              | 17.8             | 6.6              | 53             | <0.1             | 18.6             | 12.2             | 422            | 2.73            | 5.8              | 0.8             | 2.4              | 6.1              | 39             | <0.1             | 0.3              | <0.1             | 55            | 0.50            | 0.040           |
| 11JM0655 | Soil                             | 0.7              | 10.6             | 7.2              | 60             | <0.1             | 16.2             | 9.6              | 351            | 2.88            | 6.0              | 0.7             | 2.3              | 5.0              | 25             | <0.1             | 0.2              | 0.1              | 63            | 0.31            | 0.047           |
| 11JM0656 | Soil                             | 0.3              | 15.6             | 4.8              | 46             | <0.1             | 23.0             | 11.2             | 250            | 2.27            | 4.5              | 0.6             | 1.9              | 4.0              | 37             | <0.1             | 0.2              | <0.1             | 52            | 0.41            | 0.051           |
| 11BH0559 | Soil                             | 0.3              | 12.1             | 6.2              | 45             | <0.1             | 12.0             | 8.9              | 346            | 2.44            | 4.7              | 1.0             | 10.8             | 8.2              | 22             | <0.1             | 0.3              | <0.1             | 52            | 0.35            | 0.028           |
| 11BH0560 | Soil                             | 0.5              | 14.5             | 6.7              | 52             | <0.1             | 12.0             | 10.4             | 402            | 2.69            | 4.6              | 1.2             | 1.7              | 6.7              | 28             | 0.1              | 0.3              | <0.1             | 54            | 0.50            | 0.046           |
| 11BH0561 | Soil                             | 0.7              | 33.4             | 6.4              | 65             | <0.1             | 23.3             | 16.9             | 592            | 3.98            | 8.3              | 0.7             | 1.0              | 8.5              | 28             | <0.1             | 0.4              | 0.1              | 84            | 0.36            | 0.036           |
| 11BH0562 | Soil                             | 0.6              | 19.5             | 6.1              | 77             | <0.1             | 11.6             | 18.9             | 749            | 4.80            | 4.9              | 0.8             | <0.5             | 9.0              | 22             | <0.1             | 0.2              | <0.1             | 94            | 0.30            | 0.036           |
| 11BH0563 | Soil                             | 0.6              | 22.0             | 6.5              | 53             | <0.1             | 19.3             | 11.5             | 293            | 3.06            | 7.2              | 0.5             | <0.5             | 6.3              | 21             | <0.1             | 0.4              | 0.1              | 70            | 0.24            | 0.016           |
| 11BH0564 | Soil                             | 0.5              | 34.7             | 7.0              | 60             | <0.1             | 19.8             | 13.3             | 520            | 2.99            | 6.7              | 0.7             | 3.7              | 5.4              | 57             | 0.1              | 0.5              | <0.1             | 63            | 3.23            | 0.061           |
| 11BH0565 | Soil                             | 0.5              | 32.8             | 8.5              | 100            | <0.1             | 14.7             | 26.7             | 1298           | 7.17            | 4.7              | 1.9             | 0.8              | 15.9             | 17             | <0.1             | 1.2              | <0.1             | 152           | 0.45            | 0.061           |
| 11BH0566 | Soil                             | 0.7              | 32.0             | 8.1              | 42             | 0.1              | 18.8             | 9.6              | 545            | 2.33            | 16.6             | 1.5             | 4.1              | 9.6              | 69             | <0.1             | 1.2              | <0.1             | 33            | 4.34            | 0.053           |
| 11BH0567 | Soil                             | 0.9              | 19.7             | 7.8              | 61             | <0.1             | 15.5             | 12.8             | 485            | 3.50            | 6.7              | 1.4             | 1.1              | 11.1             | 23             | <0.1             | 0.4              | <0.1             | 58            | 0.29            | 0.020           |
| 11BH0568 | Soil                             | 4.3              | 14.8             | 7.3              | 63             | <0.1             | 7.5              | 11.1             | 601            | 3.51            | 5.2              | 1.8             | 0.7              | 14.8             | 18             | <0.1             | 0.4              | <0.1             | 40            | 0.27            | 0.034           |
| 11BH0569 | Soil                             | 0.8              | 26.5             | 6.3              | 61             | <0.1             | 17.1             | 14.7             | 484            | 3.65            | 7.4              | 0.7             | 1.0              | 5.0              | 32             | <0.1             | 0.5              | 0.1              | 80            | 0.43            | 0.024           |
| 11BH0570 | Soil                             | 1.0              | 29.9             | 10.1             | 74             | <0.1             | 17.2             | 14.9             | 1013           | 4.10            | 5.3              | 3.4             | 6.0              | 21.8             | 30             | <0.1             | 0.5              | 0.1              | 58            | 0.48            | 0.042           |
| 11BH0571 | Soil                             | 0.5              | 39.9             | 5.2              | 81             | <0.1             | 15.0             | 19.0             | 681            | 4.86            | 5.3              | 0.9             | 1.9              | 10.2             | 43             | <0.1             | 0.5              | <0.1             | 100           | 0.57            | 0.063           |
| 11BH0572 | Soil                             | 0.5              | 20.2             | 11.5             | 76             | <0.1             | 13.0             | 15.9             | 868            | 3.81            | 3.7              | 1.3             | 1.3              | 17.4             | 22             | <0.1             | 0.3              | 0.1              | 53            | 0.27            | 0.039           |
| 11BH0573 | Soil                             | 0.4              | 19.4             | 6.1              | 92             | <0.1             | 18.8             | 21.8             | 935            | 5.80            | 3.1              | 1.6             | 1.0              | 16.3             | 24             | <0.1             | 0.4              | <0.1             | 98            | 0.54            | 0.053           |
| 11BH0574 | Soil                             | 0.7              | 19.2             | 7.9              | 66             | <0.1             | 17.8             | 15.6             | 614            | 3.83            | 6.9              | 0.6             | 3.8              | 10.1             | 29             | <0.1             | 0.5              | 0.1              | 74            | 0.42            | 0.025           |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 29, 2011

Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-34  
P.O. Number  
Number of Samples: 281

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 277               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 277               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 277               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 277               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| 11MS0001 | Soil                             | 0.9   | 24.2  | 10.4  | 107   | <0.1  | 15.9  | 11.9  | 394   | 3.71  | 7.2   | 0.5   | 1.0   | 2.9   | 12    | 0.2   | 0.3   | 0.2   | 82    | 0.20  | 0.068 |
| 11MS0002 | Soil                             | 0.9   | 37.3  | 9.4   | 112   | <0.1  | 16.4  | 16.6  | 544   | 3.96  | 5.6   | 0.5   | <0.5  | 3.0   | 10    | <0.1  | 0.3   | 0.1   | 92    | 0.28  | 0.096 |
| 11MS0003 | Soil                             | 0.9   | 36.5  | 9.7   | 101   | <0.1  | 21.3  | 12.5  | 503   | 3.80  | 8.5   | 0.4   | 1.9   | 2.9   | 14    | 0.2   | 0.4   | 0.2   | 78    | 0.22  | 0.065 |
| 11MS0004 | Soil                             | 1.1   | 39.1  | 10.2  | 71    | <0.1  | 18.5  | 11.0  | 268   | 3.25  | 9.2   | 0.8   | 2.2   | 3.8   | 13    | <0.1  | 0.5   | 0.2   | 70    | 0.17  | 0.051 |
| 11MS0005 | Soil                             | 0.4   | 76.3  | 3.6   | 145   | <0.1  | 15.1  | 16.7  | 682   | 4.31  | 1.8   | 0.6   | 2.9   | 2.6   | 17    | <0.1  | 0.3   | 0.1   | 85    | 0.44  | 0.133 |
| 11MS0006 | Soil                             | 60.5  | 110.0 | 21.0  | 75    | 1.4   | 5.5   | 3.7   | 343   | 4.22  | 36.1  | 1.7   | 0.9   | 8.7   | 34    | 0.1   | 0.6   | 2.5   | 48    | 0.09  | 0.070 |
| 11MS0007 | Soil                             | 2.8   | 24.8  | 19.5  | 74    | 0.3   | 14.9  | 10.2  | 995   | 3.17  | 7.7   | 0.4   | 1.0   | 3.1   | 24    | 0.5   | 0.4   | 0.3   | 65    | 0.24  | 0.033 |
| 11MS0008 | Soil                             | 3.0   | 41.1  | 24.2  | 116   | 0.1   | 21.0  | 10.2  | 487   | 3.70  | 16.4  | 0.7   | <0.5  | 3.6   | 21    | 0.4   | 0.5   | 0.2   | 64    | 0.21  | 0.028 |
| 11MS0009 | Soil                             | 1.0   | 39.3  | 10.2  | 92    | <0.1  | 20.4  | 14.0  | 645   | 3.47  | 8.0   | 0.7   | 11.3  | 3.6   | 22    | <0.1  | 0.5   | 0.2   | 74    | 0.30  | 0.038 |
| 11MS0010 | Soil                             | 0.8   | 16.6  | 9.9   | 85    | <0.1  | 12.0  | 13.1  | 580   | 3.62  | 4.5   | 0.6   | 1.6   | 4.5   | 12    | <0.1  | 0.2   | <0.1  | 66    | 0.20  | 0.045 |
| 11MS0011 | Soil                             | 0.8   | 27.8  | 7.8   | 91    | <0.1  | 14.7  | 16.4  | 473   | 4.45  | 4.9   | 0.5   | 1.5   | 2.9   | 8     | <0.1  | 0.2   | 0.1   | 125   | 0.15  | 0.045 |
| 11MS0012 | Soil                             | 1.0   | 34.7  | 18.6  | 84    | <0.1  | 19.8  | 13.4  | 443   | 3.37  | 6.3   | 0.6   | 6.6   | 4.2   | 20    | <0.1  | 0.3   | 0.1   | 80    | 0.32  | 0.035 |
| 11MS0013 | Soil                             | 0.5   | 36.6  | 26.5  | 103   | <0.1  | 7.8   | 15.0  | 452   | 4.46  | 2.7   | 0.5   | 1.9   | 2.2   | 14    | <0.1  | 0.1   | <0.1  | 108   | 0.39  | 0.113 |
| 11MS0014 | Soil                             | 0.9   | 20.8  | 5.1   | 91    | <0.1  | 7.3   | 11.0  | 478   | 3.99  | 2.2   | 0.4   | 1.4   | 1.9   | 13    | <0.1  | 0.1   | <0.1  | 79    | 0.35  | 0.084 |
| 11MS0015 | Soil                             | 0.8   | 22.3  | 5.9   | 100   | <0.1  | 8.1   | 13.0  | 415   | 4.36  | 2.7   | 0.4   | 0.8   | 0.9   | 18    | <0.1  | 0.1   | 0.1   | 86    | 0.51  | 0.125 |
| 11MS0016 | Soil                             | 0.9   | 35.6  | 10.9  | 100   | 0.2   | 14.3  | 15.0  | 553   | 4.08  | 3.0   | 1.0   | 7.7   | 2.7   | 23    | 0.1   | 0.2   | 0.1   | 95    | 0.67  | 0.104 |
| 11MS0017 | Soil                             | 0.9   | 24.4  | 8.8   | 98    | 0.2   | 15.7  | 12.2  | 533   | 3.54  | 4.0   | 0.9   | 3.2   | 2.7   | 37    | <0.1  | 0.2   | 0.1   | 71    | 0.81  | 0.124 |
| 11MS0018 | Soil                             | 1.5   | 26.9  | 12.5  | 108   | <0.1  | 12.4  | 15.3  | 652   | 4.51  | 13.7  | 0.5   | 4.1   | 1.8   | 27    | 0.1   | 0.2   | 0.1   | 97    | 0.59  | 0.123 |
| 11MS0019 | Soil                             | 0.7   | 24.2  | 8.4   | 82    | 0.1   | 28.0  | 13.5  | 549   | 3.49  | 4.2   | 1.0   | 2.2   | 2.6   | 42    | <0.1  | 0.2   | <0.1  | 76    | 0.75  | 0.112 |
| 11MS0020 | Soil                             | 0.9   | 24.5  | 12.3  | 70    | 0.2   | 49.5  | 14.5  | 431   | 3.24  | 4.7   | 1.1   | 1.4   | 3.1   | 59    | <0.1  | 0.2   | <0.1  | 75    | 0.76  | 0.143 |
| 11MS0021 | Soil                             | 0.8   | 20.9  | 8.6   | 74    | 0.1   | 53.3  | 15.0  | 418   | 3.41  | 5.4   | 0.7   | 0.7   | 2.8   | 52    | <0.1  | 0.1   | <0.1  | 75    | 0.67  | 0.143 |
| 11MS0022 | Soil                             | 1.0   | 22.9  | 8.6   | 77    | 0.2   | 37.4  | 13.7  | 415   | 3.71  | 43.8  | 0.7   | 1.3   | 2.2   | 30    | <0.1  | 0.1   | 0.1   | 87    | 0.51  | 0.097 |
| 11MS0023 | Soil                             | 1.0   | 17.3  | 6.2   | 78    | 0.1   | 25.9  | 11.7  | 395   | 3.65  | 110.5 | 0.4   | 2.7   | 1.8   | 32    | <0.1  | 0.1   | <0.1  | 75    | 0.49  | 0.102 |
| 11MS0024 | Soil                             | 0.9   | 20.6  | 7.7   | 84    | <0.1  | 18.8  | 12.6  | 522   | 3.79  | 18.6  | 0.5   | 1.4   | 2.2   | 28    | <0.1  | 0.1   | 0.1   | 74    | 0.41  | 0.103 |
| 11MS0025 | Soil                             | 1.4   | 21.3  | 9.5   | 100   | <0.1  | 12.0  | 11.0  | 613   | 4.43  | 36.6  | 0.4   | 1.6   | 1.7   | 22    | 0.1   | 0.2   | 0.2   | 78    | 0.44  | 0.113 |
| 11MS0026 | Soil                             | 1.3   | 24.0  | 13.8  | 92    | 0.2   | 13.6  | 12.8  | 510   | 3.77  | 6.7   | 1.1   | 3.1   | 2.3   | 32    | 0.2   | 0.2   | 0.2   | 89    | 0.79  | 0.097 |
| 11MS0027 | Soil                             | 1.1   | 29.2  | 7.4   | 84    | 0.3   | 14.1  | 14.9  | 514   | 3.75  | 8.4   | 1.1   | 4.7   | 2.7   | 30    | 0.1   | 0.2   | 0.1   | 79    | 0.55  | 0.076 |
| 11MS0028 | Soil                             | 1.3   | 32.6  | 13.7  | 65    | 0.2   | 18.6  | 13.6  | 362   | 3.25  | 7.3   | 0.6   | 2.7   | 1.8   | 22    | <0.1  | 0.2   | 0.1   | 61    | 0.49  | 0.060 |
| 11MS0029 | Soil                             | 1.4   | 24.2  | 10.9  | 54    | <0.1  | 16.1  | 12.0  | 276   | 3.19  | 8.7   | 0.4   | 3.7   | 2.1   | 19    | <0.1  | 0.3   | 0.1   | 66    | 0.28  | 0.046 |
| 11MS0030 | Soil                             | 1.0   | 20.6  | 9.5   | 56    | 0.1   | 14.6  | 9.5   | 243   | 3.09  | 7.3   | 0.6   | 3.7   | 2.7   | 19    | <0.1  | 0.3   | 0.1   | 71    | 0.28  | 0.039 |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0001 | Soil                             | 10    | 32    | 0.89  | 168   | 0.135 | 2     | 2.28  | 0.014 | 0.18  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 8     | 0.7   | <0.2  |
| 11MS0002 | Soil                             | 10    | 31    | 1.43  | 232   | 0.160 | 2     | 2.53  | 0.017 | 0.42  | 0.1   | 0.02  | 5.2   | 0.2   | <0.05 | 9     | 0.5   | <0.2  |
| 11MS0003 | Soil                             | 9     | 37    | 1.02  | 196   | 0.131 | 2     | 2.42  | 0.014 | 0.20  | 0.2   | 0.02  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0004 | Soil                             | 13    | 34    | 0.75  | 205   | 0.088 | 2     | 2.15  | 0.012 | 0.08  | 0.2   | 0.03  | 4.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0005 | Soil                             | 30    | 29    | 2.09  | 386   | 0.144 | <1    | 2.39  | 0.020 | 0.48  | 0.2   | 0.01  | 11.6  | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0006 | Soil                             | 21    | 13    | 0.74  | 249   | 0.135 | 1     | 1.70  | 0.072 | 0.70  | <0.1  | 0.01  | 6.9   | 0.4   | 0.54  | 7     | 0.5   | 4.6   |
| 11MS0007 | Soil                             | 11    | 27    | 0.60  | 459   | 0.101 | 2     | 1.94  | 0.015 | 0.17  | 0.1   | 0.03  | 3.9   | 0.1   | 0.08  | 6     | <0.5  | 0.5   |
| 11MS0008 | Soil                             | 11    | 36    | 1.10  | 290   | 0.149 | <1    | 2.21  | 0.013 | 0.36  | 0.1   | 0.02  | 6.7   | 0.2   | 0.07  | 7     | <0.5  | 0.5   |
| 11MS0009 | Soil                             | 16    | 30    | 1.30  | 295   | 0.115 | 2     | 2.09  | 0.016 | 0.11  | 0.1   | 0.04  | 9.9   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0010 | Soil                             | 12    | 18    | 1.08  | 264   | 0.139 | <1    | 1.87  | 0.011 | 0.56  | <0.1  | 0.01  | 9.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0011 | Soil                             | 9     | 22    | 1.50  | 263   | 0.147 | 1     | 2.51  | 0.016 | 0.59  | <0.1  | 0.01  | 9.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0012 | Soil                             | 17    | 27    | 1.15  | 257   | 0.137 | 1     | 2.03  | 0.022 | 0.24  | 0.1   | 0.02  | 6.5   | 0.1   | 0.06  | 7     | <0.5  | <0.2  |
| 11MS0013 | Soil                             | 10    | 16    | 1.60  | 287   | 0.184 | 1     | 2.47  | 0.020 | 1.00  | <0.1  | <0.01 | 8.3   | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0014 | Soil                             | 6     | 13    | 1.19  | 305   | 0.221 | <1    | 2.13  | 0.015 | 1.01  | 0.2   | <0.01 | 5.2   | 0.4   | 0.06  | 8     | <0.5  | <0.2  |
| 11MS0015 | Soil                             | 7     | 11    | 1.15  | 350   | 0.289 | 2     | 2.51  | 0.013 | 1.00  | 0.1   | 0.01  | 3.1   | 0.4   | 0.06  | 7     | 0.6   | <0.2  |
| 11MS0016 | Soil                             | 18    | 25    | 1.33  | 375   | 0.170 | <1    | 2.40  | 0.021 | 0.62  | 0.1   | 0.04  | 9.4   | 0.2   | 0.06  | 8     | 0.6   | <0.2  |
| 11MS0017 | Soil                             | 16    | 27    | 1.02  | 377   | 0.114 | 1     | 2.15  | 0.015 | 0.30  | 0.1   | 0.07  | 5.6   | 0.1   | 0.08  | 7     | 0.5   | <0.2  |
| 11MS0018 | Soil                             | 8     | 21    | 1.23  | 405   | 0.266 | <1    | 2.71  | 0.017 | 0.87  | <0.1  | 0.01  | 3.8   | 0.3   | 0.06  | 8     | <0.5  | <0.2  |
| 11MS0019 | Soil                             | 14    | 40    | 1.20  | 445   | 0.199 | 1     | 2.07  | 0.017 | 0.29  | 0.1   | 0.04  | 3.9   | 0.2   | 0.09  | 7     | 0.7   | <0.2  |
| 11MS0020 | Soil                             | 20    | 68    | 1.37  | 448   | 0.194 | <1    | 2.00  | 0.018 | 0.21  | <0.1  | 0.03  | 4.1   | 0.2   | 0.09  | 7     | <0.5  | <0.2  |
| 11MS0021 | Soil                             | 16    | 71    | 1.60  | 388   | 0.225 | <1    | 2.06  | 0.017 | 0.31  | 0.1   | 0.02  | 3.2   | 0.2   | 0.08  | 7     | <0.5  | <0.2  |
| 11MS0022 | Soil                             | 12    | 51    | 1.41  | 400   | 0.246 | <1    | 2.10  | 0.018 | 0.49  | <0.1  | 0.01  | 3.8   | 0.3   | 0.09  | 8     | 0.5   | <0.2  |
| 11MS0023 | Soil                             | 9     | 40    | 1.37  | 316   | 0.223 | 1     | 2.24  | 0.018 | 0.56  | 0.1   | 0.01  | 2.8   | 0.3   | 0.06  | 7     | <0.5  | <0.2  |
| 11MS0024 | Soil                             | 10    | 29    | 1.27  | 321   | 0.211 | <1    | 2.18  | 0.012 | 0.73  | 0.1   | <0.01 | 3.7   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0025 | Soil                             | 7     | 20    | 1.29  | 256   | 0.190 | <1    | 2.27  | 0.014 | 0.75  | 0.1   | <0.01 | 3.8   | 0.5   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0026 | Soil                             | 15    | 23    | 1.03  | 417   | 0.152 | 2     | 2.00  | 0.015 | 0.31  | <0.1  | 0.04  | 6.0   | 0.3   | 0.06  | 7     | 0.6   | <0.2  |
| 11MS0027 | Soil                             | 13    | 24    | 1.12  | 371   | 0.195 | <1    | 2.13  | 0.016 | 0.46  | 0.1   | 0.03  | 5.0   | 0.3   | 0.06  | 7     | 0.6   | <0.2  |
| 11MS0028 | Soil                             | 9     | 46    | 0.86  | 222   | 0.118 | 1     | 1.82  | 0.022 | 0.26  | <0.1  | 0.02  | 3.8   | 0.2   | <0.05 | 6     | 0.7   | <0.2  |
| 11MS0029 | Soil                             | 8     | 36    | 0.62  | 176   | 0.102 | <1    | 1.80  | 0.018 | 0.11  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0030 | Soil                             | 10    | 25    | 0.80  | 234   | 0.143 | <1    | 2.01  | 0.017 | 0.13  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11MS0031 | Soil                             | 1.1        | 19.3       | 10.0       | 59       | 0.1        | 16.4       | 9.0        | 324      | 2.92      | 8.1        | 0.7        | 2.0        | 2.6        | 22       | <0.1       | 0.2        | 0.1        | 65       | 0.34      | 0.049      |
| 11MS0032 | Soil                             | 1.3        | 25.5       | 11.0       | 64       | 0.3        | 13.4       | 10.2       | 300      | 2.94      | 6.5        | 0.9        | 1.6        | 2.5        | 21       | <0.1       | 0.2        | 0.1        | 64       | 0.33      | 0.042      |
| 11MS0033 | Soil                             | 0.9        | 21.5       | 7.8        | 64       | 0.1        | 12.2       | 11.9       | 423      | 2.88      | 6.4        | 0.6        | 2.5        | 2.3        | 19       | <0.1       | 0.2        | <0.1       | 61       | 0.35      | 0.061      |
| 11MS0034 | Soil                             | 1.3        | 28.0       | 12.2       | 60       | 0.2        | 16.7       | 10.5       | 361      | 2.84      | 6.7        | 0.7        | 4.1        | 2.8        | 29       | <0.1       | 0.2        | 0.1        | 61       | 0.50      | 0.049      |
| 11MS0035 | Soil                             | 0.7        | 22.5       | 5.1        | 65       | <0.1       | 10.1       | 9.3        | 375      | 2.64      | 4.2        | 0.4        | 3.0        | 2.1        | 21       | <0.1       | 0.1        | <0.1       | 46       | 0.41      | 0.080      |
| 11MS0036 | Soil                             | 0.7        | 19.5       | 8.0        | 62       | <0.1       | 11.4       | 9.3        | 357      | 2.66      | 4.0        | 0.4        | 2.0        | 2.2        | 19       | <0.1       | 0.2        | <0.1       | 45       | 0.32      | 0.061      |
| 11MS0037 | Soil                             | 0.5        | 34.6       | 6.7        | 87       | <0.1       | 10.6       | 15.3       | 430      | 2.98      | 3.5        | 0.5        | 1.7        | 2.0        | 21       | <0.1       | 0.1        | <0.1       | 61       | 0.52      | 0.156      |
| 11MS0038 | Soil                             | 1.1        | 18.5       | 10.5       | 51       | <0.1       | 11.5       | 8.1        | 333      | 2.20      | 5.3        | 0.6        | 6.4        | 2.1        | 23       | <0.1       | 0.2        | 0.2        | 50       | 0.28      | 0.055      |
| 11MS0039 | Soil                             | 0.8        | 14.8       | 9.4        | 61       | <0.1       | 11.9       | 8.6        | 272      | 2.58      | 6.1        | 0.5        | 2.9        | 2.6        | 18       | <0.1       | 0.2        | 0.1        | 53       | 0.25      | 0.060      |
| 11MS0040 | Soil                             | 1.0        | 18.2       | 14.6       | 49       | <0.1       | 24.1       | 9.7        | 319      | 2.58      | 7.6        | 0.7        | 2.6        | 3.3        | 26       | <0.1       | 0.3        | 0.2        | 57       | 0.31      | 0.052      |
| 11MS0041 | Soil                             | 1.0        | 31.3       | 15.9       | 65       | 0.1        | 32.3       | 12.8       | 491      | 2.87      | 5.7        | 1.9        | 4.2        | 5.4        | 49       | <0.1       | 0.2        | 0.1        | 62       | 0.65      | 0.105      |
| 11MS0042 | Soil                             | 2.0        | 45.0       | 104.0      | 137      | 0.3        | 21.4       | 20.5       | 1193     | 5.38      | 48.6       | 2.1        | 2.3        | 13.2       | 33       | 0.2        | 0.4        | 0.9        | 55       | 0.52      | 0.120      |
| 11MS0043 | Soil                             | 3.2        | 21.6       | 20.7       | 98       | 0.2        | 13.8       | 10.2       | 550      | 3.00      | 10.9       | 3.5        | 2.5        | 14.5       | 30       | 0.1        | 0.2        | 0.1        | 27       | 0.41      | 0.083      |
| 11MS0044 | Soil                             | 1.8        | 21.1       | 22.5       | 64       | <0.1       | 16.2       | 9.8        | 317      | 2.65      | 9.7        | 2.7        | 1.3        | 10.5       | 24       | <0.1       | 0.3        | 0.2        | 42       | 0.30      | 0.046      |
| 11MS0045 | Soil                             | 1.6        | 11.7       | 16.3       | 69       | 0.3        | 10.5       | 7.5        | 355      | 2.79      | 7.6        | 0.6        | 2.0        | 2.8        | 15       | <0.1       | 0.4        | 0.2        | 63       | 0.14      | 0.047      |
| 11MS0046 | Soil                             | 0.9        | 16.7       | 19.6       | 51       | <0.1       | 14.6       | 7.8        | 255      | 1.99      | 5.9        | 2.2        | 4.6        | 7.7        | 24       | <0.1       | 0.4        | 0.2        | 37       | 0.20      | 0.033      |
| 11MS0047 | Soil                             | 1.8        | 18.6       | 37.5       | 71       | <0.1       | 8.5        | 8.5        | 392      | 2.56      | 13.6       | 1.9        | 0.9        | 12.5       | 17       | <0.1       | 0.4        | 0.6        | 23       | 0.12      | 0.028      |
| 11MS0048 | Soil                             | 2.4        | 22.9       | 1145       | 417      | 0.3        | 5.5        | 12.0       | 619      | 3.25      | 53.6       | 3.5        | 6.9        | 16.1       | 66       | 0.5        | 0.3        | 1.9        | 12       | 0.09      | 0.051      |
| 11MS0049 | Soil                             | 3.2        | 12.6       | 346.4      | 66       | 1.4        | 2.3        | 1.2        | 81       | 6.28      | 62.5       | 2.4        | 11.4       | 26.3       | 104      | <0.1       | 0.2        | 17.9       | 6        | 0.06      | 0.057      |
| 11MS0050 | Soil                             | 2.4        | 16.3       | 125.0      | 53       | 0.8        | 5.8        | 1.8        | 89       | 2.54      | 24.3       | 4.1        | 7.0        | 6.5        | 32       | 0.2        | 0.2        | 6.2        | 21       | 0.10      | 0.052      |
| 11MS0051 | Soil                             | 2.0        | 20.1       | 76.8       | 60       | 0.5        | 7.7        | 2.4        | 90       | 2.41      | 18.7       | 3.7        | 5.3        | 7.2        | 36       | 0.2        | 0.2        | 3.4        | 22       | 0.14      | 0.046      |
| 11MS0052 | Soil                             | 1.8        | 19.5       | 80.2       | 100      | 0.4        | 12.1       | 3.9        | 153      | 2.67      | 21.9       | 3.1        | 3.7        | 8.5        | 65       | 0.3        | 0.3        | 5.3        | 24       | 0.18      | 0.051      |
| 11MS0053 | Soil                             | 1.7        | 80.9       | 55.3       | 159      | 0.6        | 17.5       | 11.8       | 391      | 2.71      | 10.9       | 5.0        | 6.9        | 11.9       | 47       | 0.5        | 1.3        | 2.7        | 28       | 0.36      | 0.065      |
| 11MS0054 | Soil                             | 1.5        | 19.6       | 61.6       | 125      | 0.3        | 21.1       | 9.8        | 549      | 2.32      | 8.8        | 3.1        | 2.4        | 5.6        | 51       | 0.5        | 0.3        | 0.3        | 34       | 0.78      | 0.061      |
| 11MS0055 | Soil                             | 0.7        | 15.7       | 5.8        | 84       | <0.1       | 14.3       | 11.7       | 569      | 3.81      | 7.4        | 0.7        | 1.5        | 4.0        | 26       | <0.1       | 0.3        | <0.1       | 85       | 0.50      | 0.113      |
| 11MS0056 | Soil                             | 0.9        | 30.2       | 11.0       | 58       | 0.1        | 26.3       | 11.8       | 368      | 2.69      | 5.8        | 1.2        | 15.7       | 3.3        | 33       | <0.1       | 0.2        | 0.1        | 53       | 0.52      | 0.083      |
| 11MS0057 | Soil                             | 1.6        | 34.7       | 8.4        | 79       | 0.1        | 15.0       | 14.7       | 438      | 3.53      | 7.9        | 1.3        | 2.7        | 4.1        | 25       | 0.1        | 0.2        | 0.1        | 66       | 0.41      | 0.082      |
| 11MS0058 | Soil                             | 0.9        | 22.7       | 10.2       | 48       | 0.1        | 12.5       | 8.8        | 355      | 2.23      | 4.1        | 0.9        | 3.3        | 2.6        | 22       | <0.1       | 0.2        | <0.1       | 42       | 0.37      | 0.074      |
| 11MS0059 | Soil                             | 0.9        | 27.9       | 7.7        | 58       | 0.1        | 17.2       | 11.1       | 423      | 2.93      | 4.6        | 1.0        | 2.6        | 3.0        | 34       | 0.1        | 0.2        | 0.1        | 64       | 0.49      | 0.059      |
| 11MS0060 | Soil                             | 0.8        | 28.6       | 9.2        | 61       | <0.1       | 28.6       | 13.5       | 492      | 3.14      | 4.4        | 1.0        | 1.9        | 4.0        | 42       | <0.1       | 0.2        | 0.1        | 72       | 0.59      | 0.088      |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0031 | Soil                             | 12    | 27    | 0.72  | 259   | 0.114 | 2     | 1.69  | 0.012 | 0.11  | 0.1   | 0.04  | 3.3   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11MS0032 | Soil                             | 11    | 30    | 0.77  | 272   | 0.134 | 2     | 1.91  | 0.017 | 0.15  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0033 | Soil                             | 8     | 24    | 0.79  | 195   | 0.143 | <1    | 1.70  | 0.012 | 0.26  | 0.1   | 0.01  | 2.6   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0034 | Soil                             | 11    | 37    | 0.71  | 250   | 0.111 | 1     | 1.81  | 0.016 | 0.14  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11MS0035 | Soil                             | 5     | 23    | 0.91  | 156   | 0.153 | <1    | 1.71  | 0.011 | 0.48  | <0.1  | 0.01  | 1.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0036 | Soil                             | 6     | 25    | 0.76  | 169   | 0.113 | 1     | 1.55  | 0.010 | 0.33  | <0.1  | 0.01  | 2.2   | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| 11MS0037 | Soil                             | 8     | 20    | 1.23  | 322   | 0.159 | 2     | 1.88  | 0.011 | 0.51  | <0.1  | 0.02  | 5.3   | 0.2   | 0.05  | 7     | <0.5  | <0.2  |
| 11MS0038 | Soil                             | 10    | 21    | 0.59  | 313   | 0.092 | 2     | 1.35  | 0.009 | 0.17  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0039 | Soil                             | 8     | 21    | 0.67  | 205   | 0.086 | 1     | 1.54  | 0.010 | 0.12  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0040 | Soil                             | 12    | 41    | 0.70  | 304   | 0.085 | <1    | 1.68  | 0.011 | 0.06  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0041 | Soil                             | 24    | 54    | 1.11  | 483   | 0.122 | 2     | 1.83  | 0.014 | 0.13  | 0.1   | 0.03  | 5.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0042 | Soil                             | 24    | 28    | 1.04  | 838   | 0.009 | 1     | 2.01  | 0.008 | 0.09  | 0.1   | 0.02  | 5.3   | <0.1  | 0.06  | 8     | 0.8   | 0.3   |
| 11MS0043 | Soil                             | 27    | 22    | 0.65  | 257   | 0.097 | 1     | 1.15  | 0.011 | 0.33  | 0.1   | <0.01 | 2.7   | 0.3   | 0.10  | 4     | 0.7   | 0.2   |
| 11MS0044 | Soil                             | 24    | 25    | 0.51  | 324   | 0.046 | <1    | 1.47  | 0.015 | 0.09  | <0.1  | 0.02  | 3.7   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11MS0045 | Soil                             | 8     | 23    | 0.45  | 166   | 0.076 | 1     | 1.45  | 0.008 | 0.08  | 0.1   | 0.01  | 2.0   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11MS0046 | Soil                             | 21    | 21    | 0.44  | 141   | 0.065 | <1    | 1.29  | 0.010 | 0.10  | <0.1  | 0.01  | 2.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0047 | Soil                             | 20    | 12    | 0.32  | 104   | 0.044 | <1    | 1.15  | 0.024 | 0.10  | <0.1  | <0.01 | 2.2   | 0.1   | 0.08  | 3     | <0.5  | 0.3   |
| 11MS0048 | Soil                             | 29    | 9     | 0.10  | 77    | 0.025 | <1    | 0.89  | 0.046 | 0.08  | 0.1   | 0.02  | 1.6   | 0.1   | 0.21  | 2     | 2.3   | 3.0   |
| 11MS0049 | Soil                             | 65    | 5     | 0.07  | 92    | 0.022 | 1     | 0.40  | 0.289 | 0.53  | 0.1   | <0.01 | 1.0   | 0.4   | 2.00  | 2     | 7.0   | 8.5   |
| 11MS0050 | Soil                             | 29    | 12    | 0.20  | 141   | 0.017 | 1     | 1.35  | 0.026 | 0.07  | <0.1  | 0.06  | 1.8   | 0.1   | 0.14  | 4     | 1.5   | 0.9   |
| 11MS0051 | Soil                             | 23    | 12    | 0.18  | 171   | 0.013 | 1     | 1.51  | 0.015 | 0.05  | <0.1  | 0.04  | 2.1   | <0.1  | 0.08  | 4     | 1.8   | 0.6   |
| 11MS0052 | Soil                             | 33    | 19    | 0.34  | 139   | 0.040 | <1    | 1.22  | 0.054 | 0.05  | <0.1  | 0.03  | 2.2   | <0.1  | 0.21  | 4     | 1.9   | 0.9   |
| 11MS0053 | Soil                             | 46    | 24    | 0.49  | 208   | 0.057 | <1    | 1.36  | 0.016 | 0.07  | <0.1  | 0.04  | 3.1   | 0.1   | 0.06  | 4     | 2.4   | 0.4   |
| 11MS0054 | Soil                             | 28    | 31    | 0.55  | 371   | 0.035 | 2     | 1.22  | 0.011 | 0.05  | 0.1   | 0.04  | 3.0   | <0.1  | 0.05  | 4     | 0.8   | <0.2  |
| 11MS0055 | Soil                             | 13    | 19    | 1.00  | 401   | 0.076 | <1    | 1.68  | 0.013 | 0.23  | <0.1  | <0.01 | 9.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0056 | Soil                             | 19    | 41    | 0.84  | 377   | 0.060 | <1    | 1.50  | 0.014 | 0.07  | 0.1   | 0.04  | 5.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0057 | Soil                             | 16    | 24    | 0.84  | 272   | 0.086 | 1     | 1.80  | 0.013 | 0.25  | 0.1   | 0.03  | 7.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0058 | Soil                             | 12    | 22    | 0.55  | 185   | 0.066 | <1    | 1.29  | 0.011 | 0.11  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0059 | Soil                             | 16    | 27    | 0.70  | 331   | 0.084 | 1     | 1.77  | 0.012 | 0.10  | <0.1  | 0.04  | 6.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0060 | Soil                             | 16    | 45    | 0.99  | 291   | 0.092 | 1     | 1.69  | 0.019 | 0.12  | 0.1   | 0.02  | 6.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |      |
|----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11MS0061 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0062 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0063 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0064 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0065 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0066 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0067 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0068 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0069 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0070 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0071 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0072 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0073 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0074 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0075 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0076 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0077 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0078 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0079 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0080 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0081 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0082 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0083 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0084 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0085 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0086 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0087 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0088 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0089 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11MS0090 | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |



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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0061 | Soil                             | 15    | 72    | 1.16  | 257   | 0.095 | 1     | 1.69  | 0.016 | 0.08  | 0.1   | 0.02  | 5.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0062 | Soil                             | 19    | 25    | 0.58  | 419   | 0.042 | 2     | 1.18  | 0.015 | 0.07  | 0.2   | 0.06  | 8.7   | 0.1   | <0.05 | 4     | 1.1   | <0.2  |
| 11MS0063 | Soil                             | 18    | 28    | 0.84  | 404   | 0.033 | 3     | 1.55  | 0.013 | 0.16  | 0.2   | 0.04  | 15.0  | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| 11MS0064 | Soil                             | 7     | 91    | 1.68  | 335   | 0.048 | <1    | 2.63  | 0.017 | 0.19  | <0.1  | 0.01  | 11.2  | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0065 | Soil                             | 6     | 50    | 0.84  | 182   | 0.101 | <1    | 2.21  | 0.018 | 0.06  | 0.1   | 0.01  | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0066 | Soil                             | 10    | 22    | 1.25  | 204   | 0.091 | 1     | 2.21  | 0.010 | 0.20  | 0.1   | 0.03  | 7.9   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0067 | Soil                             | 13    | 22    | 1.03  | 314   | 0.061 | 1     | 2.17  | 0.010 | 0.10  | 0.1   | 0.02  | 5.7   | 0.2   | 0.05  | 8     | <0.5  | <0.2  |
| 11MS0068 | Soil                             | 11    | 18    | 1.01  | 238   | 0.054 | <1    | 1.73  | 0.010 | 0.07  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0069 | Soil                             | 13    | 16    | 0.66  | 172   | 0.044 | 1     | 1.45  | 0.009 | 0.06  | <0.1  | 0.03  | 3.6   | <0.1  | 0.05  | 7     | <0.5  | <0.2  |
| 11MS0070 | Soil                             | 16    | 21    | 0.75  | 378   | 0.050 | 2     | 1.50  | 0.012 | 0.09  | <0.1  | 0.07  | 5.6   | <0.1  | 0.09  | 7     | 0.6   | <0.2  |
| 11MS0071 | Soil                             | 42    | 16    | 0.53  | 585   | 0.052 | 2     | 1.15  | 0.016 | 0.10  | <0.1  | 0.10  | 6.6   | 0.1   | 0.15  | 4     | 0.8   | <0.2  |
| 11MS0072 | Soil                             | 13    | 32    | 0.82  | 356   | 0.086 | <1    | 1.54  | 0.014 | 0.18  | <0.1  | 0.02  | 4.6   | 0.1   | 0.06  | 7     | <0.5  | <0.2  |
| 11MS0073 | Soil                             | 17    | 24    | 0.89  | 309   | 0.086 | 4     | 1.55  | 0.014 | 0.15  | 0.1   | 0.03  | 5.5   | 0.1   | 0.08  | 6     | <0.5  | <0.2  |
| 11MS0074 | Soil                             | 20    | 28    | 0.90  | 382   | 0.093 | 4     | 1.66  | 0.013 | 0.15  | 0.1   | 0.04  | 6.7   | 0.2   | 0.08  | 6     | <0.5  | <0.2  |
| 11MS0075 | Soil                             | 13    | 32    | 1.00  | 291   | 0.143 | 2     | 1.76  | 0.014 | 0.24  | 0.1   | 0.04  | 4.4   | 0.2   | 0.06  | 6     | <0.5  | <0.2  |
| 11MS0076 | Soil                             | 15    | 36    | 1.00  | 345   | 0.145 | <1    | 1.81  | 0.016 | 0.26  | 0.1   | 0.03  | 3.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0077 | Soil                             | 42    | 83    | 1.67  | 749   | 0.163 | 3     | 2.06  | 0.023 | 0.33  | <0.1  | 0.05  | 5.3   | 0.2   | 0.07  | 7     | <0.5  | <0.2  |
| 11MS0078 | Soil                             | 6     | 23    | 1.14  | 284   | 0.203 | 2     | 2.02  | 0.015 | 0.77  | 0.1   | 0.01  | 3.3   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0079 | Soil                             | 5     | 9     | 0.65  | 180   | 0.159 | <1    | 1.44  | 0.009 | 0.55  | <0.1  | <0.01 | 2.3   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0080 | Soil                             | 8     | 16    | 0.74  | 211   | 0.161 | 2     | 1.55  | 0.009 | 0.50  | <0.1  | 0.02  | 2.0   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0081 | Soil                             | 4     | 13    | 1.02  | 211   | 0.214 | <1    | 1.82  | 0.012 | 0.65  | 0.2   | <0.01 | 2.6   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0082 | Soil                             | 4     | 16    | 0.95  | 189   | 0.223 | <1    | 1.72  | 0.012 | 0.64  | 0.1   | <0.01 | 1.7   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0083 | Soil                             | 5     | 14    | 0.69  | 213   | 0.149 | 1     | 1.43  | 0.009 | 0.44  | 0.1   | <0.01 | 1.5   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0084 | Soil                             | 3     | 16    | 1.16  | 237   | 0.219 | 2     | 2.14  | 0.010 | 0.72  | <0.1  | <0.01 | 1.6   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0085 | Soil                             | 3     | 15    | 1.17  | 245   | 0.270 | <1    | 2.02  | 0.010 | 0.87  | 0.2   | <0.01 | 1.6   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0086 | Soil                             | 6     | 17    | 0.87  | 275   | 0.196 | 1     | 1.74  | 0.013 | 0.44  | 0.1   | 0.01  | 1.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0087 | Soil                             | 7     | 18    | 1.24  | 269   | 0.240 | <1    | 2.18  | 0.018 | 0.42  | <0.1  | 0.01  | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0088 | Soil                             | 6     | 23    | 1.04  | 342   | 0.157 | <1    | 1.94  | 0.018 | 0.43  | <0.1  | 0.01  | 2.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0089 | Soil                             | 4     | 12    | 0.88  | 298   | 0.251 | <1    | 1.92  | 0.022 | 0.77  | 0.1   | 0.01  | 4.3   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0090 | Soil                             | 3     | 14    | 1.04  | 297   | 0.180 | <1    | 2.15  | 0.019 | 0.57  | <0.1  | <0.01 | 2.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11MS0091 | Soil                             | 0.8              | 17.0             | 10.2             | 67             | 0.1              | 14.2             | 10.4             | 599            | 2.78            | 4.7              | 0.5             | 12.3             | 1.8              | 26             | 0.1              | 0.2              | 0.1              | 62            | 0.55            | 0.053           |
| 11MS0092 | Soil                             | 0.4              | 17.4             | 9.4              | 73             | <0.1             | 15.5             | 11.2             | 385            | 2.70            | 5.5              | 0.8             | 2.6              | 2.8              | 33             | <0.1             | 0.2              | <0.1             | 57            | 0.65            | 0.082           |
| 11MS0093 | Soil                             | 0.2              | 15.4             | 4.6              | 98             | <0.1             | 10.9             | 13.3             | 405            | 2.96            | 2.7              | 0.3             | <0.5             | 1.1              | 34             | <0.1             | 0.1              | <0.1             | 59            | 0.57            | 0.099           |
| 11MS0094 | Soil                             | 0.9              | 20.6             | 6.5              | 81             | <0.1             | 12.9             | 14.5             | 644            | 4.19            | 5.7              | 0.2             | <0.5             | 1.1              | 17             | <0.1             | 0.3              | 0.1              | 110           | 0.19            | 0.033           |
| 11MS0095 | Soil                             | 1.3              | 5.1              | 2.9              | 58             | <0.1             | 9.7              | 17.5             | 230            | 2.81            | <0.5             | 0.7             | 0.7              | 4.2              | 10             | <0.1             | <0.1             | <0.1             | 33            | 0.23            | 0.062           |
| 11MS0096 | Soil                             | 2.3              | 29.9             | 8.7              | 65             | <0.1             | 26.0             | 17.9             | 773            | 3.43            | 4.0              | 1.0             | 1.8              | 2.2              | 48             | 0.3              | 0.2              | <0.1             | 64            | 0.87            | 0.114           |
| 11MS0097 | Soil                             | 2.0              | 30.1             | 11.2             | 78             | <0.1             | 19.5             | 15.3             | 501            | 3.70            | 5.0              | 0.5             | 2.3              | 3.2              | 20             | <0.1             | 0.2              | <0.1             | 68            | 0.36            | 0.073           |
| 11MS0098 | Soil                             | 1.0              | 20.2             | 6.8              | 113            | 0.1              | 10.7             | 16.2             | 754            | 4.85            | 3.8              | 0.4             | 1.5              | 2.6              | 27             | 0.2              | 0.2              | <0.1             | 128           | 0.44            | 0.089           |
| 11MS0099 | Soil                             | 0.8              | 17.0             | 6.7              | 118            | <0.1             | 11.0             | 19.9             | 658            | 4.71            | 4.7              | 0.6             | 0.9              | 3.5              | 12             | <0.1             | 0.3              | <0.1             | 132           | 0.20            | 0.075           |
| 11MS0100 | Soil                             | 0.7              | 13.5             | 7.4              | 86             | <0.1             | 14.1             | 15.0             | 389            | 3.90            | 6.0              | 0.4             | 1.7              | 2.5              | 17             | <0.1             | 0.3              | <0.1             | 109           | 0.26            | 0.071           |
| 11MS0101 | Soil                             | 0.7              | 10.7             | 14.5             | 79             | <0.1             | 15.0             | 12.7             | 778            | 3.87            | 4.7              | 0.4             | 1.9              | 3.1              | 23             | <0.1             | 0.3              | <0.1             | 83            | 0.31            | 0.065           |
| 11YM0102 | Soil                             | 1.1              | 15.5             | 7.2              | 74             | <0.1             | 11.4             | 10.2             | 386            | 3.91            | 4.6              | 0.5             | 2.5              | 2.5              | 20             | <0.1             | 0.2              | <0.1             | 58            | 0.47            | 0.088           |
| 11MS0103 | Soil                             | 0.7              | 9.0              | 6.4              | 90             | <0.1             | 17.0             | 14.7             | 681            | 4.36            | 9.7              | 0.9             | <0.5             | 4.3              | 35             | <0.1             | 0.5              | <0.1             | 98            | 0.54            | 0.099           |
| 11MS0104 | Soil                             | 0.8              | 16.8             | 11.2             | 64             | 0.1              | 18.1             | 11.3             | 571            | 3.37            | 6.3              | 0.7             | 1.8              | 3.9              | 27             | 0.1              | 0.3              | 0.1              | 66            | 0.33            | 0.074           |
| 11MS0105 | Soil                             | 0.6              | 39.5             | 27.6             | 64             | <0.1             | 75.6             | 16.3             | 398            | 3.38            | 6.7              | 1.6             | 1.1              | 10.5             | 68             | <0.1             | 0.3              | 0.2              | 71            | 0.63            | 0.149           |
| 11MS0106 | Soil                             | 0.5              | 32.7             | 7.6              | 70             | 0.2              | 18.2             | 12.4             | 513            | 3.29            | 4.8              | 1.3             | 3.9              | 4.1              | 39             | 0.2              | 0.2              | 0.1              | 73            | 0.63            | 0.065           |
| 11MS0107 | Soil                             | 1.0              | 39.4             | 11.2             | 76             | 0.2              | 33.0             | 15.3             | 638            | 3.36            | 5.6              | 1.5             | 4.3              | 3.3              | 44             | 0.2              | 0.3              | 0.1              | 71            | 0.64            | 0.083           |
| 11MS0108 | Soil                             | 1.3              | 31.1             | 10.2             | 68             | 0.2              | 20.7             | 16.0             | 811            | 3.15            | 4.9              | 1.3             | 4.2              | 3.0              | 29             | 0.2              | 0.2              | 0.1              | 64            | 0.40            | 0.061           |
| 11MS0109 | Soil                             | 1.3              | 26.0             | 10.2             | 63             | 0.1              | 18.2             | 16.8             | 873            | 2.66            | 2.8              | 1.0             | 2.2              | 2.3              | 34             | 0.1              | 0.2              | 0.1              | 53            | 0.53            | 0.081           |
| 11MS0110 | Soil                             | 1.7              | 44.1             | 49.2             | 121            | 0.4              | 19.9             | 7.4              | 249            | 2.44            | 11.7             | 3.3             | 5.6              | 4.1              | 47             | 0.5              | 0.6              | 1.6              | 35            | 0.40            | 0.073           |
| 11MS0111 | Soil                             | 1.1              | 14.9             | 69.8             | 66             | 0.4              | 11.5             | 3.0              | 102            | 2.10            | 14.5             | 2.2             | 3.7              | 2.9              | 32             | 0.2              | 0.2              | 2.8              | 25            | 0.19            | 0.066           |
| 11MS0112 | Soil                             | 1.0              | 15.8             | 105.3            | 60             | 0.4              | 12.4             | 3.0              | 79             | 2.01            | 20.2             | 2.4             | 5.6              | 1.8              | 30             | 0.4              | 0.2              | 3.2              | 15            | 0.19            | 0.060           |
| 11MS0113 | Soil                             | 2.4              | 24.4             | 169.5            | 185            | 0.5              | 20.4             | 5.1              | 175            | 3.28            | 38.5             | 3.5             | 7.8              | 8.8              | 62             | 0.5              | 0.3              | 3.2              | 33            | 0.21            | 0.085           |
| 11MS0114 | Soil                             | 2.1              | 21.2             | 175.8            | 93             | 0.6              | 6.0              | 2.4              | 90             | 2.55            | 32.5             | 3.2             | 7.8              | 2.7              | 32             | 0.5              | 0.3              | 3.3              | 23            | 0.15            | 0.057           |
| 11MS0115 | Soil                             | 1.7              | 15.5             | 34.8             | 161            | 0.2              | 7.8              | 8.6              | 324            | 2.92            | 12.0             | 2.7             | 3.1              | 7.3              | 38             | 0.2              | 0.2              | 0.5              | 35            | 0.13            | 0.052           |
| 11MS0116 | Soil                             | 0.9              | 21.5             | 18.1             | 81             | 0.3              | 10.3             | 6.5              | 398            | 2.12            | 4.7              | 2.3             | 1.6              | 0.3              | 30             | 0.5              | 0.2              | 0.2              | 37            | 0.27            | 0.074           |
| 11MS0117 | Soil                             | 1.9              | 38.0             | 8.3              | 105            | 0.2              | 52.1             | 22.2             | 867            | 4.96            | 4.7              | 1.4             | 2.5              | 7.1              | 73             | 0.2              | 0.5              | 0.3              | 93            | 0.78            | 0.165           |
| 11MS0118 | Soil                             | 1.1              | 15.7             | 11.0             | 74             | <0.1             | 14.3             | 9.7              | 325            | 2.64            | 4.7              | 2.2             | 2.3              | 10.3             | 27             | <0.1             | 0.2              | 0.1              | 37            | 0.31            | 0.054           |
| 11MS0119 | Soil                             | 1.1              | 18.3             | 11.6             | 91             | <0.1             | 29.4             | 12.8             | 420            | 3.05            | 3.5              | 1.9             | 1.7              | 11.2             | 50             | 0.1              | 0.2              | 0.1              | 39            | 0.46            | 0.118           |
| 11MS0120 | Soil                             | 1.2              | 18.1             | 13.9             | 78             | 0.2              | 21.6             | 11.5             | 430            | 3.11            | 5.8              | 2.4             | 3.8              | 7.2              | 43             | 0.1              | 0.3              | 0.2              | 43            | 0.31            | 0.086           |



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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0091 | Soil                             | 9     | 20    | 0.77  | 325   | 0.141 | <1    | 1.91  | 0.013 | 0.17  | <0.1  | 0.02  | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0092 | Soil                             | 13    | 23    | 1.08  | 236   | 0.147 | <1    | 1.74  | 0.022 | 0.30  | <0.1  | 0.03  | 3.8   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0093 | Soil                             | 5     | 15    | 1.55  | 265   | 0.205 | <1    | 2.01  | 0.010 | 0.50  | <0.1  | <0.01 | 1.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0094 | Soil                             | 4     | 21    | 1.15  | 376   | 0.270 | <1    | 2.46  | 0.014 | 0.54  | 0.1   | 0.01  | 2.0   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0095 | Soil                             | 12    | 10    | 0.37  | 100   | 0.055 | <1    | 0.67  | 0.005 | 0.16  | 0.1   | <0.01 | 2.3   | 0.2   | <0.05 | 3     | <0.5  | <0.2  |
| 11MS0096 | Soil                             | 17    | 28    | 0.64  | 333   | 0.047 | <1    | 1.36  | 0.013 | 0.11  | 0.1   | 0.04  | 7.7   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0097 | Soil                             | 11    | 28    | 0.79  | 264   | 0.119 | 2     | 1.94  | 0.015 | 0.41  | <0.1  | 0.02  | 5.5   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0098 | Soil                             | 8     | 18    | 1.47  | 337   | 0.202 | 3     | 2.51  | 0.011 | 0.69  | <0.1  | 0.02  | 13.5  | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0099 | Soil                             | 12    | 17    | 1.58  | 228   | 0.145 | <1    | 2.67  | 0.012 | 0.47  | <0.1  | <0.01 | 11.2  | 0.2   | <0.05 | 11    | <0.5  | <0.2  |
| 11MS0100 | Soil                             | 9     | 21    | 1.27  | 222   | 0.144 | 2     | 2.14  | 0.012 | 0.41  | 0.1   | 0.02  | 7.6   | 0.3   | <0.05 | 8     | 0.5   | <0.2  |
| 11MS0101 | Soil                             | 8     | 25    | 1.15  | 555   | 0.192 | 1     | 2.55  | 0.016 | 0.56  | 0.1   | 0.01  | 6.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0102 | Soil                             | 6     | 18    | 0.94  | 237   | 0.217 | 2     | 2.21  | 0.010 | 0.63  | 0.2   | 0.01  | 3.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0103 | Soil                             | 11    | 32    | 1.45  | 526   | 0.176 | 2     | 2.48  | 0.012 | 0.68  | 0.1   | 0.01  | 8.7   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0104 | Soil                             | 12    | 25    | 0.99  | 357   | 0.138 | 3     | 1.92  | 0.015 | 0.37  | 0.1   | 0.02  | 6.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0105 | Soil                             | 37    | 106   | 1.55  | 554   | 0.167 | <1    | 2.20  | 0.022 | 0.17  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0106 | Soil                             | 29    | 25    | 1.08  | 414   | 0.119 | <1    | 1.85  | 0.017 | 0.36  | <0.1  | 0.05  | 9.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0107 | Soil                             | 25    | 38    | 0.94  | 437   | 0.090 | 1     | 1.81  | 0.018 | 0.20  | <0.1  | 0.05  | 9.2   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| 11MS0108 | Soil                             | 18    | 35    | 0.80  | 348   | 0.104 | <1    | 2.00  | 0.014 | 0.18  | <0.1  | 0.06  | 6.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0109 | Soil                             | 13    | 29    | 0.72  | 312   | 0.066 | 2     | 1.41  | 0.013 | 0.09  | 0.1   | 0.04  | 5.0   | <0.1  | 0.05  | 5     | 0.5   | <0.2  |
| 11MS0110 | Soil                             | 29    | 30    | 0.45  | 238   | 0.051 | 1     | 1.39  | 0.013 | 0.05  | <0.1  | 0.04  | 2.7   | <0.1  | 0.08  | 5     | 1.7   | 0.2   |
| 11MS0111 | Soil                             | 21    | 25    | 0.31  | 131   | 0.042 | 1     | 1.14  | 0.012 | 0.04  | <0.1  | 0.04  | 1.9   | <0.1  | 0.09  | 4     | 1.6   | 0.4   |
| 11MS0112 | Soil                             | 20    | 19    | 0.23  | 141   | 0.030 | <1    | 0.93  | 0.012 | 0.04  | <0.1  | 0.06  | 1.6   | <0.1  | 0.14  | 3     | 2.0   | 1.1   |
| 11MS0113 | Soil                             | 31    | 32    | 0.46  | 167   | 0.075 | <1    | 1.30  | 0.034 | 0.09  | <0.1  | 0.03  | 2.2   | 0.1   | 0.18  | 4     | 2.7   | 2.6   |
| 11MS0114 | Soil                             | 23    | 13    | 0.20  | 129   | 0.027 | 1     | 1.10  | 0.015 | 0.05  | <0.1  | 0.06  | 1.5   | 0.1   | 0.12  | 3     | 3.1   | 2.7   |
| 11MS0115 | Soil                             | 23    | 14    | 0.46  | 160   | 0.091 | <1    | 1.49  | 0.054 | 0.16  | <0.1  | 0.01  | 1.7   | 0.2   | 0.19  | 4     | 1.0   | 0.7   |
| 11MS0116 | Soil                             | 23    | 21    | 0.32  | 246   | 0.026 | 1     | 1.65  | 0.011 | 0.07  | <0.1  | 0.06  | 1.3   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11MS0117 | Soil                             | 29    | 60    | 1.73  | 654   | 0.178 | 3     | 2.47  | 0.017 | 0.66  | 0.1   | 0.03  | 11.5  | 0.3   | <0.05 | 8     | 0.9   | <0.2  |
| 11MS0118 | Soil                             | 30    | 25    | 0.64  | 177   | 0.102 | 1     | 1.65  | 0.014 | 0.19  | <0.1  | 0.01  | 2.4   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0119 | Soil                             | 34    | 51    | 0.93  | 227   | 0.146 | <1    | 1.81  | 0.014 | 0.26  | <0.1  | <0.01 | 2.4   | 0.2   | <0.05 | 5     | 0.5   | <0.2  |
| 11MS0120 | Soil                             | 29    | 37    | 0.68  | 271   | 0.102 | <1    | 1.77  | 0.018 | 0.12  | <0.1  | 0.02  | 2.9   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method | Analyte | Unit   | MDL    | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |        |    |      |
|----------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|------|
|          |        |         |        |        | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca | P    |
|          |        |         |        |        | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %  | %    |
|          |        |         |        |        | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 1      | 0.01   | 0.5    | 0.1    | 0.5    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 0.1    | 2  | 0.01 |
| 11MS0121 | Soil   |         | 0.7    | 13.3   | 14.8   | 83     | 0.2    | 12.6   | 4.9    | 134    | 2.35   | 5.8    | 1.8    | 2.5    | 2.7    | 31     | 0.2    | 0.1    | 0.2    | 39     | 0.31   | 0.058  |    |      |
| 11MS0122 | Soil   |         | 0.6    | 12.6   | 33.6   | 57     | 0.2    | 8.1    | 3.0    | 80     | 1.80   | 8.9    | 1.6    | 2.5    | 0.8    | 23     | 0.4    | 0.2    | 0.6    | 18     | 0.20   | 0.060  |    |      |
| 11MS0123 | Soil   |         | 0.7    | 13.3   | 55.5   | 79     | 0.2    | 9.3    | 3.2    | 92     | 1.44   | 8.6    | 1.5    | 4.1    | 1.1    | 25     | 0.7    | 0.2    | 1.1    | 18     | 0.24   | 0.054  |    |      |
| 11MS0124 | Soil   |         | 1.1    | 24.3   | 9.7    | 79     | 0.2    | 19.8   | 11.5   | 547    | 2.99   | 5.4    | 1.2    | 8.3    | 4.5    | 44     | 0.2    | 0.3    | 0.1    | 50     | 0.66   | 0.074  |    |      |
| 11MS0125 | Soil   |         | 1.1    | 32.9   | 14.7   | 75     | 0.1    | 50.4   | 15.2   | 584    | 3.50   | 7.8    | 1.2    | 1.7    | 8.2    | 53     | <0.1   | 0.5    | 0.2    | 66     | 0.53   | 0.087  |    |      |
| 11MS0126 | Soil   |         | 0.4    | 143.2  | 5.5    | 63     | <0.1   | 29.0   | 29.4   | 433    | 3.50   | 3.0    | 0.4    | <0.5   | 1.6    | 41     | <0.1   | 0.1    | <0.1   | 91     | 1.06   | 0.296  |    |      |
| 11MS0127 | Soil   |         | 1.8    | 89.3   | 17.2   | 77     | <0.1   | 80.3   | 32.8   | 722    | 5.09   | 4.8    | 0.8    | 1.0    | 3.9    | 45     | <0.1   | 0.2    | 0.3    | 152    | 0.61   | 0.091  |    |      |
| 11MS0128 | Soil   |         | 0.5    | 11.4   | 3.3    | 78     | <0.1   | 5.5    | 6.4    | 342    | 3.47   | 3.3    | 0.8    | <0.5   | 5.6    | 9      | <0.1   | 0.2    | <0.1   | 21     | 0.14   | 0.043  |    |      |
| 11MS0129 | Soil   |         | 1.3    | 15.5   | 6.4    | 70     | <0.1   | 14.0   | 9.5    | 451    | 3.35   | 8.6    | 0.8    | <0.5   | 5.1    | 15     | <0.1   | 0.7    | <0.1   | 38     | 0.17   | 0.030  |    |      |
| 11MS0130 | Soil   |         | 0.9    | 16.5   | 7.9    | 87     | <0.1   | 10.8   | 9.1    | 513    | 4.00   | 6.0    | 0.6    | 1.4    | 4.7    | 17     | 0.1    | 0.3    | <0.1   | 49     | 0.21   | 0.038  |    |      |
| 11MS0131 | Soil   |         | 1.3    | 20.0   | 10.3   | 99     | <0.1   | 12.6   | 14.2   | 597    | 5.09   | 6.7    | 0.7    | 15.8   | 5.3    | 20     | <0.1   | 0.5    | 0.1    | 96     | 0.26   | 0.040  |    |      |
| 11MS0132 | Soil   |         | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |    |      |
| 11MS0133 | Soil   |         | 1.1    | 18.4   | 9.3    | 87     | <0.1   | 13.5   | 9.4    | 562    | 4.04   | 7.4    | 0.7    | <0.5   | 7.0    | 23     | <0.1   | 0.5    | 0.1    | 51     | 0.26   | 0.034  |    |      |
| 11MS0134 | Soil   |         | 1.5    | 14.3   | 12.8   | 76     | <0.1   | 11.0   | 9.2    | 456    | 3.37   | 9.4    | 0.9    | 1.2    | 5.3    | 17     | <0.1   | 0.8    | 0.1    | 38     | 0.17   | 0.034  |    |      |
| 11MS0135 | Soil   |         | 3.4    | 13.9   | 9.7    | 80     | <0.1   | 12.1   | 7.8    | 610    | 4.21   | 15.3   | 0.7    | 1.2    | 3.9    | 17     | <0.1   | 0.8    | 0.1    | 41     | 0.18   | 0.044  |    |      |
| 11MS0136 | Soil   |         | 1.1    | 20.2   | 13.4   | 69     | 0.1    | 16.3   | 11.4   | 547    | 3.48   | 5.4    | 0.9    | <0.5   | 4.4    | 22     | <0.1   | 0.3    | 0.1    | 72     | 0.23   | 0.035  |    |      |
| 11MS0137 | Soil   |         | 2.0    | 17.9   | 9.3    | 77     | <0.1   | 15.4   | 12.3   | 692    | 3.65   | 8.0    | 0.7    | 1.9    | 4.8    | 23     | 0.2    | 0.4    | 0.1    | 69     | 0.29   | 0.057  |    |      |
| 11MS0138 | Soil   |         | 1.0    | 23.1   | 5.9    | 84     | 0.1    | 26.8   | 16.4   | 657    | 4.25   | 5.2    | 1.1    | 1.2    | 5.4    | 29     | <0.1   | 0.3    | <0.1   | 92     | 0.41   | 0.099  |    |      |
| 11MS0139 | Soil   |         | 1.0    | 19.6   | 5.7    | 80     | <0.1   | 19.2   | 14.3   | 669    | 4.01   | 8.4    | 0.9    | 1.2    | 4.8    | 27     | <0.1   | 0.5    | <0.1   | 79     | 0.52   | 0.133  |    |      |
| 11MS0140 | Soil   |         | 1.0    | 17.8   | 6.7    | 80     | <0.1   | 14.7   | 14.0   | 558    | 3.89   | 8.8    | 0.8    | 0.7    | 4.3    | 24     | 0.1    | 0.4    | <0.1   | 78     | 0.46   | 0.089  |    |      |
| 11MS0141 | Soil   |         | 1.0    | 14.9   | 8.2    | 66     | <0.1   | 18.2   | 12.3   | 367    | 3.44   | 6.0    | 0.4    | 5.6    | 3.2    | 19     | <0.1   | 0.3    | 0.1    | 77     | 0.29   | 0.053  |    |      |
| 11YM0001 | Soil   |         | 0.6    | 20.8   | 5.6    | 85     | <0.1   | 16.3   | 12.2   | 474    | 3.00   | 4.7    | 0.3    | 3.9    | 3.5    | 9      | <0.1   | 0.4    | <0.1   | 59     | 0.12   | 0.037  |    |      |
| 11YM0002 | Soil   |         | 0.5    | 9.4    | 4.4    | 75     | <0.1   | 8.1    | 8.1    | 489    | 1.68   | 2.3    | 0.3    | 1.0    | 2.1    | 10     | <0.1   | 0.2    | <0.1   | 36     | 0.16   | 0.045  |    |      |
| 11YM0003 | Soil   |         | 0.3    | 9.2    | 2.1    | 107    | <0.1   | 5.6    | 12.6   | 840    | 1.83   | 3.6    | 0.2    | <0.5   | 2.2    | 6      | <0.1   | 0.1    | <0.1   | 34     | 0.23   | 0.109  |    |      |
| 11YM0004 | Soil   |         | 1.1    | 15.5   | 12.0   | 75     | 0.1    | 11.4   | 8.2    | 579    | 2.75   | 6.0    | 0.4    | <0.5   | 2.2    | 15     | 0.2    | 0.3    | 0.2    | 75     | 0.19   | 0.160  |    |      |
| 11YM0005 | Soil   |         | 0.8    | 36.5   | 9.4    | 88     | <0.1   | 17.9   | 12.0   | 447    | 3.37   | 5.0    | 0.5    | 2.4    | 2.8    | 18     | 0.1    | 0.3    | 0.1    | 82     | 0.31   | 0.098  |    |      |
| 11YM0006 | Soil   |         | 0.9    | 56.1   | 8.7    | 99     | 0.1    | 19.7   | 16.0   | 691    | 4.22   | 5.1    | 0.3    | 1.1    | 1.6    | 23     | 0.3    | 0.3    | 0.1    | 104    | 0.48   | 0.159  |    |      |
| 11YM0007 | Soil   |         | 1.0    | 40.4   | 11.0   | 84     | <0.1   | 30.3   | 14.6   | 620    | 3.48   | 6.2    | 0.3    | <0.5   | 1.5    | 24     | 0.3    | 0.3    | 0.1    | 84     | 0.43   | 0.043  |    |      |
| 11YM0008 | Soil   |         | 0.7    | 47.1   | 22.4   | 173    | <0.1   | 17.8   | 16.2   | 530    | 3.90   | 2.8    | 0.4    | <0.5   | 2.0    | 14     | 0.6    | 0.2    | <0.1   | 96     | 0.37   | 0.099  |    |      |
| 11YM0009 | Soil   |         | 0.8    | 52.3   | 17.5   | 103    | 0.1    | 27.1   | 14.4   | 513    | 3.46   | 7.7    | 0.7    | 2.4    | 4.2    | 18     | 0.2    | 0.4    | 0.1    | 81     | 0.25   | 0.041  |    |      |



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Client: **Pacific Ridge Exploration Ltd.**  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5 Canada

Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Ti     | S      | Ga     | Se     | Te     |
|          |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11MS0121 | Soil                             | 18     | 25     | 0.45   | 213    | 0.086  | 1      | 1.45   | 0.011  | 0.09   | <0.1   | 0.04   | 2.0    | 0.1    | 0.08   | 5      | 0.9    | <0.2   |
| 11MS0122 | Soil                             | 13     | 16     | 0.19   | 110    | 0.035  | <1     | 0.89   | 0.011  | 0.03   | <0.1   | 0.04   | 1.2    | <0.1   | 0.09   | 3      | 1.0    | 0.5    |
| 11MS0123 | Soil                             | 15     | 17     | 0.20   | 141    | 0.041  | <1     | 0.93   | 0.010  | 0.03   | 0.1    | 0.04   | 1.6    | <0.1   | 0.08   | 3      | 1.1    | 0.6    |
| 11MS0124 | Soil                             | 22     | 29     | 0.72   | 380    | 0.091  | <1     | 1.61   | 0.017  | 0.22   | 0.1    | 0.05   | 6.2    | 0.1    | <0.05  | 6      | 0.5    | <0.2   |
| 11MS0125 | Soil                             | 34     | 75     | 1.12   | 537    | 0.159  | 2      | 1.92   | 0.020  | 0.29   | 0.2    | 0.03   | 6.6    | 0.2    | <0.05  | 7      | 0.8    | <0.2   |
| 11MS0126 | Soil                             | 8      | 24     | 1.51   | 334    | 0.145  | <1     | 1.95   | 0.039  | 0.68   | <0.1   | 0.01   | 4.9    | 0.3    | <0.05  | 8      | <0.5   | <0.2   |
| 11MS0127 | Soil                             | 19     | 141    | 3.10   | 680    | 0.184  | 1      | 3.15   | 0.022  | 0.09   | 0.2    | 0.01   | 13.1   | <0.1   | <0.05  | 12     | 0.7    | <0.2   |
| 11MS0128 | Soil                             | 8      | 7      | 0.77   | 175    | 0.199  | <1     | 1.75   | 0.007  | 0.68   | 0.1    | <0.01  | 4.0    | 0.3    | <0.05  | 8      | <0.5   | <0.2   |
| 11MS0129 | Soil                             | 10     | 23     | 0.57   | 205    | 0.125  | <1     | 1.52   | 0.012  | 0.40   | 0.1    | <0.01  | 3.9    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11MS0130 | Soil                             | 9      | 17     | 0.89   | 238    | 0.218  | 1      | 2.20   | 0.011  | 0.67   | 0.1    | 0.01   | 4.3    | 0.3    | <0.05  | 9      | <0.5   | <0.2   |
| 11MS0131 | Soil                             | 14     | 18     | 1.25   | 379    | 0.226  | 2      | 2.71   | 0.017  | 0.76   | 0.2    | 0.02   | 7.3    | 0.4    | <0.05  | 9      | 0.8    | <0.2   |
| 11MS0132 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11MS0133 | Soil                             | 16     | 21     | 1.00   | 277    | 0.229  | 1      | 2.17   | 0.014  | 0.75   | 0.1    | 0.02   | 4.4    | 0.3    | <0.05  | 8      | 0.5    | <0.2   |
| 11MS0134 | Soil                             | 15     | 19     | 0.48   | 353    | 0.061  | 2      | 1.70   | 0.008  | 0.28   | 0.2    | 0.02   | 3.7    | 0.2    | <0.05  | 5      | 0.7    | <0.2   |
| 11MS0135 | Soil                             | 14     | 19     | 0.60   | 268    | 0.129  | <1     | 1.80   | 0.011  | 0.49   | 0.2    | 0.03   | 6.7    | 0.2    | <0.05  | 8      | 0.8    | <0.2   |
| 11MS0136 | Soil                             | 17     | 27     | 0.80   | 283    | 0.139  | 1      | 1.83   | 0.014  | 0.28   | 0.1    | 0.02   | 7.5    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11MS0137 | Soil                             | 14     | 24     | 0.85   | 313    | 0.157  | 1      | 1.82   | 0.015  | 0.42   | 0.1    | 0.03   | 6.7    | 0.2    | <0.05  | 7      | 0.7    | <0.2   |
| 11MS0138 | Soil                             | 23     | 38     | 1.35   | 382    | 0.193  | <1     | 2.10   | 0.014  | 0.66   | <0.1   | 0.03   | 10.1   | 0.2    | <0.05  | 8      | 1.0    | <0.2   |
| 11MS0139 | Soil                             | 16     | 26     | 1.18   | 333    | 0.211  | <1     | 2.02   | 0.015  | 0.62   | <0.1   | 0.05   | 9.6    | 0.3    | <0.05  | 8      | 0.8    | <0.2   |
| 11MS0140 | Soil                             | 14     | 21     | 1.07   | 396    | 0.218  | <1     | 1.99   | 0.016  | 0.65   | <0.1   | 0.03   | 8.6    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11MS0141 | Soil                             | 10     | 29     | 0.92   | 170    | 0.152  | 1      | 1.97   | 0.014  | 0.20   | 0.1    | 0.02   | 5.1    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11YM0001 | Soil                             | 12     | 26     | 0.86   | 140    | 0.156  | <1     | 2.12   | 0.011  | 0.15   | 0.1    | 0.02   | 7.3    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11YM0002 | Soil                             | 12     | 15     | 0.84   | 107    | 0.118  | <1     | 1.22   | 0.008  | 0.10   | <0.1   | <0.01  | 6.7    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11YM0003 | Soil                             | 12     | 9      | 1.09   | 93     | 0.138  | <1     | 1.24   | 0.005  | 0.19   | <0.1   | <0.01  | 8.0    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11YM0004 | Soil                             | 11     | 30     | 0.64   | 234    | 0.135  | <1     | 1.51   | 0.012  | 0.14   | 0.2    | 0.02   | 4.2    | 0.1    | <0.05  | 8      | 0.5    | <0.2   |
| 11YM0005 | Soil                             | 12     | 27     | 1.00   | 204    | 0.170  | 2      | 1.83   | 0.015  | 0.29   | 0.1    | 0.02   | 4.6    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11YM0006 | Soil                             | 6      | 29     | 1.09   | 320    | 0.224  | 2      | 2.41   | 0.017  | 0.28   | 0.1    | 0.01   | 4.0    | 0.2    | <0.05  | 9      | <0.5   | <0.2   |
| 11YM0007 | Soil                             | 5      | 56     | 1.03   | 309    | 0.133  | 1      | 2.34   | 0.023  | 0.20   | 0.1    | <0.01  | 4.5    | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11YM0008 | Soil                             | 7      | 35     | 1.23   | 373    | 0.215  | 2      | 2.32   | 0.016  | 0.44   | 0.1    | <0.01  | 4.8    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11YM0009 | Soil                             | 15     | 39     | 0.91   | 263    | 0.166  | 1      | 2.17   | 0.022  | 0.22   | 0.1    | 0.02   | 7.7    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |



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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11YM0010 | Soil                             | 1.3        | 29.4       | 15.0       | 108      | <0.1       | 19.1       | 13.5       | 523      | 3.61      | 5.1        | 0.6        | 3.3        | 3.0        | 21       | 0.3        | 0.4        | 0.1        | 81       | 0.36      | 0.068      |
| 11YM0011 | Soil                             | 0.9        | 25.5       | 11.6       | 94       | 0.1        | 19.8       | 12.8       | 826      | 3.19      | 5.4        | 0.5        | <0.5       | 2.7        | 34       | 0.4        | 0.4        | 0.1        | 69       | 0.52      | 0.063      |
| 11YM0012 | Soil                             | 0.9        | 42.8       | 7.8        | 100      | <0.1       | 18.4       | 13.1       | 481      | 3.60      | 5.2        | 0.4        | 11.7       | 2.5        | 19       | 0.1        | 0.3        | 0.1        | 74       | 0.36      | 0.076      |
| 11YM0013 | Soil                             | 1.3        | 46.7       | 10.0       | 83       | 0.2        | 17.8       | 12.3       | 968      | 3.00      | 4.5        | 1.1        | 3.4        | 3.0        | 32       | 0.4        | 0.3        | 0.1        | 59       | 0.60      | 0.065      |
| 11YM0014 | Soil                             | 1.6        | 37.3       | 7.3        | 76       | 0.5        | 23.3       | 15.6       | 764      | 2.75      | 4.5        | 1.3        | 8.4        | 1.9        | 29       | 0.2        | 0.2        | <0.1       | 62       | 0.56      | 0.088      |
| 11YM0015 | Soil                             | 1.4        | 24.6       | 9.3        | 75       | 0.2        | 15.3       | 11.9       | 537      | 2.74      | 4.1        | 0.8        | 2.3        | 2.5        | 21       | 0.2        | 0.2        | 0.1        | 61       | 0.35      | 0.079      |
| 11YM0016 | Soil                             | 1.9        | 30.7       | 17.2       | 69       | 0.4        | 17.1       | 10.5       | 472      | 2.89      | 3.5        | 1.3        | 5.5        | 2.5        | 25       | 0.2        | 0.2        | 0.2        | 59       | 0.34      | 0.072      |
| 11YM0017 | Soil                             | 1.8        | 23.8       | 9.5        | 71       | 0.2        | 15.7       | 12.3       | 499      | 3.04      | 3.6        | 0.8        | 1.8        | 2.7        | 18       | 0.1        | 0.2        | 0.1        | 64       | 0.33      | 0.080      |
| 11YM0018 | Soil                             | 0.9        | 20.5       | 9.1        | 82       | 0.1        | 18.8       | 11.8       | 367      | 3.07      | 2.6        | 0.9        | 2.1        | 2.5        | 34       | 0.1        | 0.2        | 0.1        | 63       | 0.60      | 0.087      |
| 11YM0019 | Soil                             | 0.8        | 18.4       | 8.5        | 82       | 0.1        | 19.0       | 12.8       | 393      | 3.42      | 2.8        | 0.6        | 1.8        | 2.5        | 23       | <0.1       | 0.2        | 0.1        | 75       | 0.46      | 0.086      |
| 11YM0020 | Soil                             | 0.6        | 27.9       | 7.2        | 82       | 0.1        | 29.0       | 14.8       | 563      | 3.57      | 3.1        | 1.1        | 1.6        | 2.8        | 41       | 0.2        | 0.2        | 0.1        | 78       | 0.77      | 0.100      |
| 11YM0021 | Soil                             | 0.6        | 28.9       | 7.2        | 84       | <0.1       | 44.3       | 14.9       | 478      | 3.38      | 3.7        | 1.1        | 1.9        | 3.4        | 52       | 0.1        | 0.2        | <0.1       | 76       | 0.93      | 0.139      |
| 11YM0022 | Soil                             | 0.5        | 31.1       | 6.6        | 83       | 0.1        | 73.3       | 19.4       | 572      | 3.75      | 2.7        | 1.3        | 2.0        | 4.2        | 92       | 0.1        | 0.1        | <0.1       | 85       | 1.08      | 0.225      |
| 11YM0023 | Soil                             | 0.6        | 36.3       | 6.9        | 77       | 0.2        | 77.1       | 18.3       | 662      | 3.24      | 2.3        | 1.6        | 1.8        | 3.7        | 90       | 0.2        | 0.2        | <0.1       | 76       | 1.25      | 0.196      |
| 11YM0024 | Soil                             | 0.9        | 24.9       | 6.2        | 83       | 0.1        | 47.7       | 16.6       | 489      | 3.71      | 2.9        | 0.7        | 0.9        | 2.9        | 49       | <0.1       | 0.1        | <0.1       | 83       | 0.67      | 0.143      |
| 11YM0025 | Soil                             | 0.9        | 24.2       | 6.0        | 89       | 0.1        | 25.7       | 15.2       | 491      | 3.89      | 2.4        | 0.8        | 3.3        | 2.6        | 37       | <0.1       | <0.1       | <0.1       | 87       | 0.51      | 0.111      |
| 11YM0026 | Soil                             | 1.1        | 18.8       | 16.4       | 78       | 0.3        | 9.9        | 9.9        | 354      | 2.88      | 5.8        | 1.1        | 1.2        | 2.1        | 53       | 0.3        | 0.2        | 0.2        | 55       | 0.97      | 0.076      |
| 11YM0027 | Soil                             | 1.7        | 31.6       | 5.9        | 94       | 0.2        | 8.1        | 18.7       | 652      | 5.03      | 18.8       | 0.5        | 5.1        | 1.4        | 34       | 0.1        | 0.2        | 0.2        | 102      | 0.81      | 0.105      |
| 11YM0028 | Soil                             | 0.9        | 22.1       | 6.9        | 65       | 0.2        | 11.8       | 11.2       | 283      | 3.33      | 5.0        | 0.6        | 2.9        | 1.8        | 27       | <0.1       | 0.2        | 0.1        | 76       | 0.54      | 0.054      |
| 11YM0029 | Soil                             | 1.4        | 26.2       | 6.2        | 73       | 0.1        | 14.1       | 14.7       | 312      | 4.00      | 6.4        | 0.5        | 2.7        | 2.5        | 19       | <0.1       | 0.2        | <0.1       | 92       | 0.35      | 0.069      |
| 11YM0030 | Soil                             | 1.2        | 23.0       | 6.4        | 71       | 0.1        | 13.7       | 13.0       | 292      | 3.72      | 5.9        | 0.5        | 2.3        | 2.2        | 18       | <0.1       | 0.2        | 0.1        | 85       | 0.30      | 0.059      |
| 11YM0031 | Soil                             | 1.2        | 20.9       | 7.0        | 97       | 0.2        | 8.1        | 11.6       | 365      | 3.49      | 3.4        | 0.6        | 2.3        | 1.8        | 21       | 0.1        | 0.1        | <0.1       | 69       | 0.38      | 0.081      |
| 11YM0032 | Soil                             | 1.3        | 20.6       | 5.4        | 86       | 0.1        | 8.6        | 11.2       | 450      | 3.48      | 2.4        | 0.5        | 1.5        | 2.0        | 17       | 0.1        | 0.1        | <0.1       | 63       | 0.29      | 0.084      |
| 11YM0033 | Soil                             | 1.2        | 25.3       | 8.5        | 73       | 0.2        | 12.8       | 11.1       | 339      | 3.19      | 6.5        | 0.6        | 2.9        | 2.3        | 20       | <0.1       | 0.2        | 0.2        | 69       | 0.31      | 0.050      |
| 11YM0034 | Soil                             | 0.9        | 23.5       | 6.6        | 56       | 0.1        | 8.8        | 9.8        | 255      | 3.06      | 3.8        | 0.4        | 3.9        | 1.7        | 17       | <0.1       | 0.3        | <0.1       | 76       | 0.28      | 0.053      |
| 11YM0035 | Soil                             | 1.1        | 24.5       | 6.8        | 69       | 0.1        | 12.7       | 12.9       | 384      | 3.46      | 3.3        | 0.5        | 31.3       | 2.1        | 18       | <0.1       | 0.2        | <0.1       | 71       | 0.29      | 0.046      |
| 11YM0036 | Soil                             | 1.4        | 26.5       | 9.9        | 57       | 0.2        | 16.8       | 14.4       | 350      | 3.07      | 3.9        | 0.7        | 3.6        | 2.5        | 23       | <0.1       | 0.2        | 0.1        | 64       | 0.32      | 0.044      |
| 11YM0037 | Soil                             | 0.9        | 25.0       | 10.4       | 52       | 0.2        | 17.6       | 10.5       | 324      | 2.76      | 5.4        | 0.9        | 2.4        | 3.1        | 29       | <0.1       | 0.2        | 0.1        | 63       | 0.38      | 0.060      |
| 11YM0038 | Soil                             | 1.1        | 28.4       | 12.1       | 54       | 0.2        | 22.2       | 11.7       | 295      | 2.86      | 5.2        | 0.8        | 2.3        | 3.1        | 26       | <0.1       | 0.3        | 0.1        | 68       | 0.33      | 0.049      |
| 11YM0039 | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       |



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## CERTIFICATE OF ANALYSIS

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|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0010 | Soil                             | 9     | 32    | 1.07  | 295   | 0.132 | 1     | 2.33  | 0.017 | 0.24  | <0.1  | <0.01 | 6.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0011 | Soil                             | 10    | 29    | 0.96  | 410   | 0.126 | 2     | 2.03  | 0.015 | 0.30  | 0.1   | 0.02  | 6.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0012 | Soil                             | 11    | 28    | 1.36  | 212   | 0.136 | 1     | 2.26  | 0.014 | 0.19  | 0.1   | 0.01  | 8.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0013 | Soil                             | 21    | 28    | 0.79  | 410   | 0.124 | 2     | 1.89  | 0.016 | 0.25  | <0.1  | 0.03  | 7.6   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11YM0014 | Soil                             | 15    | 43    | 1.10  | 283   | 0.106 | 1     | 1.70  | 0.019 | 0.11  | <0.1  | 0.03  | 7.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0015 | Soil                             | 12    | 31    | 0.92  | 239   | 0.129 | <1    | 1.74  | 0.016 | 0.14  | 0.1   | 0.03  | 5.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0016 | Soil                             | 17    | 30    | 0.74  | 341   | 0.111 | 1     | 1.86  | 0.014 | 0.10  | <0.1  | 0.05  | 6.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0017 | Soil                             | 13    | 30    | 0.81  | 251   | 0.118 | <1    | 1.70  | 0.014 | 0.14  | <0.1  | 0.02  | 5.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0018 | Soil                             | 14    | 34    | 1.04  | 355   | 0.108 | 1     | 1.85  | 0.018 | 0.17  | <0.1  | 0.03  | 7.0   | 0.1   | <0.05 | 8     | 0.5   | <0.2  |
| 11YM0019 | Soil                             | 12    | 33    | 1.03  | 265   | 0.161 | 1     | 2.08  | 0.014 | 0.13  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0020 | Soil                             | 20    | 46    | 1.24  | 476   | 0.176 | 1     | 2.04  | 0.018 | 0.26  | 0.1   | 0.03  | 6.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0021 | Soil                             | 21    | 58    | 1.43  | 430   | 0.192 | 1     | 2.15  | 0.017 | 0.21  | 0.1   | 0.02  | 5.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0022 | Soil                             | 29    | 92    | 1.93  | 507   | 0.250 | 1     | 2.26  | 0.018 | 0.28  | <0.1  | 0.03  | 6.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0023 | Soil                             | 34    | 91    | 1.83  | 616   | 0.203 | 1     | 2.18  | 0.018 | 0.19  | <0.1  | 0.06  | 7.3   | 0.2   | <0.05 | 7     | 0.8   | <0.2  |
| 11YM0024 | Soil                             | 17    | 59    | 1.63  | 343   | 0.253 | 1     | 2.22  | 0.016 | 0.41  | 0.1   | 0.02  | 4.8   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0025 | Soil                             | 14    | 35    | 1.44  | 369   | 0.299 | <1    | 2.38  | 0.013 | 0.55  | 0.1   | 0.03  | 4.2   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0026 | Soil                             | 17    | 16    | 0.82  | 537   | 0.148 | 3     | 1.71  | 0.022 | 0.32  | 0.1   | 0.06  | 4.7   | 0.3   | <0.05 | 5     | 0.8   | <0.2  |
| 11YM0027 | Soil                             | 7     | 11    | 1.11  | 383   | 0.169 | 2     | 2.32  | 0.015 | 0.59  | <0.1  | 0.02  | 6.6   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0028 | Soil                             | 10    | 21    | 1.00  | 323   | 0.202 | 1     | 2.23  | 0.015 | 0.32  | 0.1   | 0.02  | 3.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0029 | Soil                             | 8     | 26    | 1.23  | 278   | 0.253 | 1     | 2.70  | 0.016 | 0.55  | 0.1   | 0.01  | 4.7   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0030 | Soil                             | 8     | 25    | 1.10  | 257   | 0.225 | <1    | 2.49  | 0.016 | 0.44  | 0.1   | 0.01  | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0031 | Soil                             | 7     | 16    | 1.04  | 264   | 0.224 | <1    | 2.04  | 0.012 | 0.62  | 0.1   | 0.01  | 3.5   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0032 | Soil                             | 9     | 15    | 0.96  | 291   | 0.231 | <1    | 2.07  | 0.011 | 0.66  | 0.2   | 0.01  | 3.3   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0033 | Soil                             | 8     | 21    | 0.84  | 275   | 0.172 | 1     | 2.00  | 0.013 | 0.33  | 0.1   | 0.01  | 3.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0034 | Soil                             | 6     | 17    | 0.80  | 188   | 0.182 | <1    | 1.86  | 0.013 | 0.28  | 0.1   | <0.01 | 3.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0035 | Soil                             | 7     | 22    | 0.90  | 211   | 0.151 | 1     | 1.99  | 0.012 | 0.28  | 0.1   | 0.01  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0036 | Soil                             | 11    | 37    | 0.79  | 332   | 0.134 | <1    | 1.85  | 0.012 | 0.19  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0037 | Soil                             | 12    | 34    | 0.71  | 344   | 0.126 | 1     | 1.84  | 0.017 | 0.09  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0038 | Soil                             | 12    | 45    | 0.81  | 336   | 0.139 | 1     | 1.99  | 0.016 | 0.10  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0039 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |



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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11YM0040 | Soil                             | 1.2              | 21.6             | 12.8             | 54             | 0.1              | 18.3             | 10.1             | 286            | 3.02            | 5.0              | 0.5             | 4.6              | 2.9              | 21             | <0.1             | 0.3              | 0.1              | 63            | 0.26            | 0.042           |
| 11YM0041 | Soil                             | 1.0              | 23.9             | 11.7             | 58             | <0.1             | 20.2             | 10.2             | 336            | 2.84            | 6.8              | 0.6             | 2.1              | 3.1              | 22             | <0.1             | 0.4              | 0.1              | 59            | 0.24            | 0.035           |
| 11YM0042 | Soil                             | 1.5              | 13.9             | 11.7             | 65             | 0.2              | 16.1             | 8.4              | 351            | 3.17            | 8.7              | 0.5             | 1.0              | 3.5              | 13             | <0.1             | 0.5              | 0.2              | 59            | 0.12            | 0.034           |
| 11YM0043 | Soil                             | 1.2              | 23.5             | 12.9             | 73             | 0.1              | 18.5             | 10.9             | 399            | 3.29            | 8.0              | 0.7             | 5.8              | 5.8              | 23             | <0.1             | 0.4              | 0.2              | 58            | 0.35            | 0.048           |
| 11YM0044 | Soil                             | 1.0              | 9.7              | 9.1              | 68             | <0.1             | 9.3              | 7.0              | 609            | 2.38            | 5.3              | 0.3             | 1.3              | 1.6              | 19             | 0.1              | 0.3              | 0.1              | 50            | 0.19            | 0.040           |
| 11YM0045 | Soil                             | 1.3              | 16.3             | 16.1             | 64             | <0.1             | 11.7             | 8.0              | 379            | 2.90            | 9.2              | 0.4             | 1.3              | 2.4              | 19             | <0.1             | 0.4              | 0.2              | 53            | 0.16            | 0.037           |
| 11YM0046 | Soil                             | 1.4              | 9.3              | 9.6              | 37             | <0.1             | 6.5              | 3.8              | 276            | 1.85            | 3.8              | 0.3             | 2.7              | 1.2              | 12             | 0.1              | 0.3              | 0.1              | 46            | 0.12            | 0.022           |
| 11YM0047 | Soil                             | I.S.             | I.S.             | I.S.             | I.S.           | I.S.             | I.S.             | I.S.             | I.S.           | I.S.            | I.S.             | I.S.            | I.S.             | I.S.             | I.S.           | I.S.             | I.S.             | I.S.             | I.S.          | I.S.            | I.S.            |
| 11YM0048 | Soil                             | 3.4              | 16.1             | 38.8             | 84             | 0.2              | 6.6              | 5.1              | 176            | 3.11            | 27.4             | 2.2             | 4.0              | 11.9             | 56             | <0.1             | 0.3              | 1.7              | 20            | 0.09            | 0.039           |
| 11YM0049 | Soil                             | 1.9              | 18.7             | 46.1             | 115            | 0.2              | 5.7              | 7.3              | 277            | 2.87            | 23.1             | 4.8             | 4.0              | 14.6             | 42             | 0.3              | 0.3              | 2.5              | 9             | 0.11            | 0.029           |
| 11YM0050 | Soil                             | 1.8              | 16.5             | 69.4             | 99             | 0.3              | 2.9              | 3.3              | 168            | 3.18            | 30.7             | 3.2             | 4.3              | 12.4             | 72             | 0.2              | 0.2              | 3.6              | 9             | 0.11            | 0.033           |
| 11YM0051 | Soil                             | 3.0              | 43.2             | 146.9            | 468            | 0.7              | 5.7              | 6.7              | 444            | 4.03            | 25.3             | 4.5             | 3.8              | 17.8             | 55             | 0.8              | 0.4              | 2.5              | 16            | 0.29            | 0.057           |
| 11YM0052 | Soil                             | 1.8              | 21.9             | 26.3             | 75             | 0.3              | 22.0             | 7.4              | 356            | 2.36            | 6.0              | 2.3             | 2.0              | 4.9              | 37             | 0.1              | 0.3              | 0.3              | 42            | 0.57            | 0.046           |
| 11YM0053 | Soil                             | 2.0              | 15.3             | 30.6             | 162            | 0.2              | 18.5             | 9.4              | 370            | 2.83            | 7.1              | 1.8             | 3.5              | 9.4              | 35             | 0.2              | 0.2              | 0.2              | 35            | 0.48            | 0.081           |
| 11YM0054 | Soil                             | 1.7              | 29.8             | 17.2             | 159            | 0.2              | 36.1             | 14.1             | 622            | 3.22            | 7.6              | 2.0             | 1.2              | 4.8              | 68             | 1.0              | 0.3              | 0.2              | 54            | 0.86            | 0.125           |
| 11YM0055 | Soil                             | 1.3              | 23.7             | 11.9             | 62             | <0.1             | 19.3             | 10.9             | 334            | 2.77            | 7.1              | 1.0             | 4.2              | 3.9              | 37             | <0.1             | 0.2              | 0.1              | 57            | 0.45            | 0.057           |
| 11YM0056 | Soil                             | 1.3              | 23.7             | 9.4              | 68             | <0.1             | 15.3             | 11.3             | 441            | 2.78            | 5.5              | 1.0             | 2.0              | 3.6              | 35             | <0.1             | 0.2              | 0.2              | 51            | 0.60            | 0.108           |
| 11YM0057 | Soil                             | 1.6              | 26.4             | 11.2             | 66             | <0.1             | 17.2             | 11.5             | 469            | 2.77            | 6.0              | 1.2             | 2.8              | 3.6              | 35             | <0.1             | 0.2              | 0.2              | 50            | 0.54            | 0.092           |
| 11YM0058 | Soil                             | 1.0              | 16.9             | 6.6              | 75             | <0.1             | 10.6             | 11.6             | 352            | 2.80            | 1.1              | 0.6             | 2.5              | 4.3              | 28             | <0.1             | <0.1             | 0.1              | 45            | 0.60            | 0.127           |
| 11YM0059 | Soil                             | 1.2              | 29.5             | 7.7              | 64             | 0.3              | 12.8             | 12.5             | 444            | 2.89            | 5.5              | 1.2             | 6.7              | 2.4              | 35             | <0.1             | 0.2              | <0.1             | 54            | 0.57            | 0.066           |
| 11YM0060 | Soil                             | 1.1              | 29.7             | 7.4              | 62             | 0.3              | 12.5             | 12.8             | 402            | 2.91            | 5.5              | 1.2             | 3.5              | 2.5              | 33             | <0.1             | 0.2              | <0.1             | 53            | 0.54            | 0.066           |
| 11YM0061 | Soil                             | 1.4              | 26.9             | 8.7              | 74             | 0.2              | 14.1             | 13.1             | 497            | 3.11            | 6.7              | 1.0             | 1.7              | 2.4              | 24             | 0.1              | 0.2              | 0.1              | 65            | 0.35            | 0.056           |
| 11YM0062 | Soil                             | 0.9              | 24.7             | 8.6              | 68             | 0.2              | 15.0             | 11.8             | 482            | 3.17            | 5.7              | 0.9             | 6.4              | 3.3              | 36             | 0.1              | 0.2              | 0.1              | 63            | 0.52            | 0.067           |
| 11YM0063 | Soil                             | 1.0              | 24.2             | 15.0             | 63             | 0.2              | 16.5             | 14.6             | 855            | 3.52            | 6.1              | 0.8             | 3.4              | 3.5              | 38             | <0.1             | 0.3              | 0.2              | 85            | 0.51            | 0.086           |
| 11YM0064 | Soil                             | 0.6              | 31.0             | 5.2              | 119            | 0.1              | 13.1             | 15.4             | 699            | 4.36            | 4.2              | 0.8             | 4.5              | 3.7              | 36             | <0.1             | 0.2              | <0.1             | 102           | 0.64            | 0.148           |
| 11YM0065 | Soil                             | 1.0              | 23.8             | 9.2              | 67             | 0.1              | 15.9             | 12.2             | 408            | 3.39            | 6.8              | 0.5             | 3.9              | 3.0              | 20             | <0.1             | 0.3              | 0.1              | 80            | 0.26            | 0.036           |
| 11YM0066 | Soil                             | 0.7              | 22.2             | 5.3              | 130            | <0.1             | 10.5             | 23.6             | 776            | 4.69            | 3.4              | 0.6             | 1.1              | 2.5              | 29             | <0.1             | 0.1              | <0.1             | 111           | 0.55            | 0.166           |
| 11YM0067 | Soil                             | 0.9              | 13.8             | 12.3             | 44             | 0.2              | 9.7              | 5.7              | 186            | 2.28            | 5.0              | 0.6             | 2.6              | 2.5              | 20             | <0.1             | 0.2              | 0.2              | 59            | 0.24            | 0.033           |
| 11YM0068 | Soil                             | 0.9              | 16.7             | 7.6              | 79             | <0.1             | 10.0             | 10.0             | 445            | 3.22            | 4.5              | 0.6             | 7.2              | 3.2              | 24             | <0.1             | 0.2              | 0.1              | 60            | 0.36            | 0.074           |
| 11YM0069 | Soil                             | 0.7              | 19.9             | 6.7              | 73             | 0.1              | 11.0             | 14.9             | 636            | 3.28            | 5.0              | 1.0             | 2.4              | 3.7              | 32             | 0.2              | 0.2              | 0.1              | 75            | 0.51            | 0.108           |



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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0040 | Soil                             | 9     | 42    | 0.70  | 199   | 0.126 | 1     | 1.89  | 0.012 | 0.09  | 0.1   | 0.01  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0041 | Soil                             | 12    | 34    | 0.70  | 238   | 0.113 | <1    | 2.04  | 0.011 | 0.10  | 0.1   | 0.01  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0042 | Soil                             | 10    | 26    | 0.52  | 220   | 0.047 | <1    | 1.98  | 0.009 | 0.10  | <0.1  | 0.02  | 2.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0043 | Soil                             | 18    | 28    | 0.70  | 443   | 0.065 | 2     | 2.00  | 0.012 | 0.17  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0044 | Soil                             | 7     | 16    | 0.50  | 268   | 0.052 | <1    | 1.27  | 0.012 | 0.11  | <0.1  | <0.01 | 2.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0045 | Soil                             | 9     | 23    | 0.59  | 291   | 0.036 | <1    | 1.86  | 0.013 | 0.11  | 0.1   | 0.01  | 2.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0046 | Soil                             | 7     | 13    | 0.21  | 218   | 0.029 | <1    | 0.93  | 0.009 | 0.06  | <0.1  | 0.02  | 1.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0047 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11YM0048 | Soil                             | 32    | 10    | 0.21  | 206   | 0.024 | 1     | 1.11  | 0.078 | 0.12  | <0.1  | 0.01  | 1.9   | <0.1  | 0.36  | 3     | 1.9   | 0.5   |
| 11YM0049 | Soil                             | 29    | 5     | 0.13  | 151   | 0.004 | <1    | 0.94  | 0.025 | 0.05  | <0.1  | 0.02  | 3.3   | <0.1  | 0.09  | 2     | 1.0   | 0.7   |
| 11YM0050 | Soil                             | 55    | 4     | 0.15  | 164   | 0.005 | 1     | 0.82  | 0.103 | 0.14  | <0.1  | 0.02  | 2.4   | 0.1   | 0.51  | 2     | 2.1   | 0.9   |
| 11YM0051 | Soil                             | 43    | 7     | 0.28  | 176   | 0.028 | <1    | 1.02  | 0.060 | 0.18  | <0.1  | 0.02  | 2.8   | 0.2   | 0.36  | 3     | 2.7   | 1.0   |
| 11YM0052 | Soil                             | 57    | 34    | 0.52  | 469   | 0.034 | <1    | 1.41  | 0.011 | 0.08  | <0.1  | 0.02  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0053 | Soil                             | 25    | 32    | 0.67  | 279   | 0.060 | <1    | 1.35  | 0.010 | 0.10  | 0.1   | <0.01 | 2.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0054 | Soil                             | 26    | 47    | 0.81  | 867   | 0.058 | <1    | 1.64  | 0.016 | 0.09  | <0.1  | 0.03  | 5.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0055 | Soil                             | 16    | 32    | 0.82  | 414   | 0.086 | <1    | 1.74  | 0.017 | 0.07  | <0.1  | <0.01 | 4.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0056 | Soil                             | 16    | 24    | 0.88  | 507   | 0.069 | <1    | 1.64  | 0.012 | 0.14  | <0.1  | 0.02  | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0057 | Soil                             | 18    | 27    | 0.83  | 484   | 0.078 | <1    | 1.61  | 0.015 | 0.11  | <0.1  | 0.01  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0058 | Soil                             | 15    | 10    | 0.81  | 371   | 0.023 | <1    | 1.71  | 0.012 | 0.24  | <0.1  | <0.01 | 5.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0059 | Soil                             | 15    | 25    | 0.65  | 272   | 0.094 | <1    | 1.58  | 0.014 | 0.16  | <0.1  | 0.05  | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0060 | Soil                             | 15    | 24    | 0.64  | 263   | 0.093 | <1    | 1.58  | 0.014 | 0.16  | 0.1   | 0.06  | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0061 | Soil                             | 11    | 28    | 0.76  | 277   | 0.124 | <1    | 1.80  | 0.013 | 0.14  | <0.1  | 0.04  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0062 | Soil                             | 15    | 27    | 0.77  | 314   | 0.119 | <1    | 1.82  | 0.015 | 0.25  | 0.1   | 0.05  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0063 | Soil                             | 15    | 29    | 0.92  | 327   | 0.118 | <1    | 1.96  | 0.015 | 0.12  | 0.1   | 0.02  | 6.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0064 | Soil                             | 20    | 23    | 1.47  | 357   | 0.092 | 1     | 2.16  | 0.014 | 0.60  | <0.1  | 0.01  | 9.2   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11YM0065 | Soil                             | 12    | 29    | 0.93  | 309   | 0.115 | <1    | 2.02  | 0.017 | 0.16  | 0.1   | 0.01  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0066 | Soil                             | 12    | 17    | 2.20  | 318   | 0.126 | <1    | 2.55  | 0.011 | 0.32  | <0.1  | <0.01 | 13.1  | 0.1   | <0.05 | 12    | 0.5   | <0.2  |
| 11YM0067 | Soil                             | 10    | 21    | 0.48  | 139   | 0.084 | <1    | 1.51  | 0.011 | 0.08  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0068 | Soil                             | 10    | 19    | 0.72  | 202   | 0.119 | <1    | 1.69  | 0.011 | 0.22  | 0.1   | 0.01  | 3.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0069 | Soil                             | 15    | 22    | 0.83  | 247   | 0.117 | <1    | 1.69  | 0.015 | 0.16  | 0.2   | 0.03  | 5.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11YM0070 | Soil                             | 0.9              | 23.4             | 7.2              | 80             | 0.2              | 14.9             | 14.8             | 725            | 3.60            | 7.7              | 1.2             | 3.1              | 3.4              | 38             | 0.3              | 0.2              | 0.1              | 81            | 0.66            | 0.103           |
| 11YM0071 | Soil                             | 1.5              | 29.4             | 10.1             | 83             | 0.3              | 22.7             | 17.3             | 975            | 3.76            | 30.1             | 1.4             | 3.8              | 2.4              | 45             | 0.3              | 0.3              | 0.3              | 77            | 0.93            | 0.112           |
| 11YM0072 | Soil                             | 1.3              | 24.8             | 8.0              | 81             | 0.3              | 16.8             | 14.5             | 775            | 3.70            | 16.4             | 1.3             | 4.4              | 3.1              | 35             | 0.2              | 0.2              | 0.1              | 71            | 0.69            | 0.082           |
| 11YM0073 | Soil                             | 0.8              | 19.8             | 5.2              | 70             | <0.1             | 18.8             | 11.5             | 352            | 3.03            | 8.0              | 0.3             | 1.5              | 1.5              | 25             | <0.1             | 0.1              | <0.1             | 65            | 0.40            | 0.082           |
| 11YM0074 | Soil                             | 0.9              | 16.8             | 4.4              | 64             | 0.1              | 12.9             | 8.6              | 266            | 2.51            | 7.2              | 0.3             | 1.6              | 1.1              | 21             | <0.1             | <0.1             | <0.1             | 57            | 0.37            | 0.071           |
| 11YM0075 | Soil                             | 0.8              | 18.4             | 7.7              | 52             | 0.3              | 17.5             | 8.0              | 259            | 2.51            | 6.9              | 0.6             | 2.3              | 1.7              | 25             | <0.1             | 0.1              | <0.1             | 57            | 0.35            | 0.057           |
| 11YM0076 | Soil                             | 0.8              | 16.7             | 6.0              | 52             | 0.3              | 20.2             | 9.1              | 283            | 2.44            | 3.8              | 0.6             | 2.7              | 1.5              | 26             | <0.1             | 0.1              | <0.1             | 54            | 0.36            | 0.063           |
| 11YM0077 | Soil                             | 0.8              | 23.1             | 7.0              | 71             | 0.2              | 34.2             | 13.0             | 451            | 3.14            | 5.0              | 0.9             | 2.7              | 2.5              | 45             | 0.1              | 0.1              | <0.1             | 68            | 0.58            | 0.106           |
| 11YM0078 | Soil                             | 0.9              | 19.0             | 7.3              | 75             | 0.1              | 13.9             | 10.5             | 472            | 3.01            | 5.8              | 0.8             | 2.6              | 2.2              | 38             | 0.1              | 0.3              | <0.1             | 64            | 0.70            | 0.054           |
| 11YM0079 | Soil                             | 0.6              | 20.7             | 5.5              | 98             | 0.1              | 11.4             | 13.2             | 521            | 3.41            | 3.7              | 0.6             | 2.3              | 1.7              | 33             | <0.1             | 0.3              | <0.1             | 75            | 0.63            | 0.099           |
| 11YM0080 | Soil                             | 0.6              | 19.8             | 8.0              | 114            | <0.1             | 14.5             | 12.5             | 373            | 3.47            | 6.4              | 0.5             | 1.6              | 2.6              | 39             | 0.1              | 0.3              | <0.1             | 71            | 0.83            | 0.138           |
| 11YM0081 | Soil                             | 1.0              | 21.5             | 7.4              | 67             | <0.1             | 14.4             | 12.2             | 392            | 3.21            | 6.3              | 0.8             | 2.7              | 2.7              | 23             | <0.1             | 0.3              | 0.1              | 75            | 0.43            | 0.028           |
| 11YM0082 | Soil                             | 1.0              | 29.1             | 6.9              | 68             | <0.1             | 19.5             | 12.1             | 312            | 3.30            | 8.7              | 0.5             | 2.4              | 2.4              | 19             | <0.1             | 0.4              | <0.1             | 76            | 0.30            | 0.035           |
| 11YM0083 | Soil                             | 0.9              | 21.6             | 7.7              | 60             | <0.1             | 19.1             | 12.0             | 423            | 3.05            | 7.8              | 0.5             | 0.9              | 3.3              | 23             | <0.1             | 0.4              | 0.1              | 67            | 0.38            | 0.033           |
| 11YM0084 | Soil                             | 0.9              | 20.5             | 5.5              | 76             | <0.1             | 11.8             | 11.6             | 519            | 3.65            | 5.6              | 0.4             | 1.1              | 2.0              | 14             | <0.1             | 0.2              | <0.1             | 79            | 0.26            | 0.047           |
| 11YM0085 | Soil                             | 0.3              | 20.7             | 4.8              | 69             | <0.1             | 18.2             | 16.5             | 413            | 2.94            | 3.7              | 0.4             | 2.7              | 1.7              | 30             | <0.1             | 0.2              | <0.1             | 79            | 0.61            | 0.065           |
| 11YM0086 | Soil                             | 0.5              | 17.8             | 5.0              | 91             | <0.1             | 15.9             | 17.1             | 470            | 3.60            | 4.6              | 0.3             | 1.8              | 2.0              | 23             | <0.1             | 0.2              | <0.1             | 88            | 0.38            | 0.052           |
| 11YM0087 | Soil                             | 0.6              | 19.9             | 4.8              | 75             | <0.1             | 12.5             | 13.2             | 359            | 3.53            | 4.6              | 0.4             | 1.4              | 2.0              | 17             | <0.1             | 0.2              | <0.1             | 77            | 0.32            | 0.059           |
| 11YM0088 | Soil                             | 0.6              | 27.8             | 4.0              | 88             | <0.1             | 6.6              | 15.0             | 276            | 4.12            | 4.4              | 0.3             | <0.5             | 1.6              | 13             | <0.1             | 0.1              | <0.1             | 88            | 0.17            | 0.034           |
| 11YM0089 | Soil                             | 1.0              | 24.9             | 7.7              | 71             | <0.1             | 16.4             | 8.4              | 277            | 3.41            | 6.6              | 0.6             | 1.2              | 3.8              | 13             | <0.1             | 0.3              | <0.1             | 64            | 0.19            | 0.041           |
| 11YM0090 | Soil                             | 0.9              | 23.7             | 4.9              | 85             | <0.1             | 9.9              | 11.4             | 340            | 3.88            | 4.2              | 0.4             | 1.0              | 1.9              | 19             | <0.1             | 0.2              | <0.1             | 83            | 0.22            | 0.040           |
| 11YM0091 | Soil                             | 2.2              | 37.0             | 7.0              | 66             | <0.1             | 17.3             | 14.1             | 297            | 3.89            | 6.7              | 0.5             | 2.9              | 2.9              | 19             | <0.1             | 0.4              | <0.1             | 88            | 0.17            | 0.039           |
| 11YM0092 | Soil                             | 0.7              | 19.5             | 5.3              | 91             | <0.1             | 12.4             | 16.1             | 467            | 3.68            | 3.7              | 0.5             | 1.3              | 2.2              | 11             | 0.1              | 0.2              | <0.1             | 102           | 0.27            | 0.110           |
| 11YM0093 | Soil                             | 1.1              | 18.5             | 7.9              | 67             | 0.1              | 13.9             | 12.1             | 264            | 3.45            | 6.6              | 0.6             | 3.9              | 3.0              | 15             | <0.1             | 0.3              | 0.1              | 84            | 0.21            | 0.058           |
| 11YM0094 | Soil                             | 0.8              | 18.9             | 7.8              | 83             | 0.1              | 11.9             | 12.7             | 422            | 3.33            | 3.1              | 0.8             | 1.4              | 2.5              | 15             | 0.1              | 0.2              | 0.1              | 75            | 0.23            | 0.083           |
| 11YM0095 | Soil                             | 0.8              | 17.2             | 6.3              | 60             | <0.1             | 11.5             | 11.7             | 324            | 2.86            | 4.6              | 0.3             | 1.4              | 1.3              | 18             | <0.1             | 0.1              | <0.1             | 71            | 0.41            | 0.040           |
| 11YM0096 | Soil                             | 1.2              | 24.1             | 7.0              | 57             | <0.1             | 12.7             | 12.8             | 372            | 2.98            | 5.7              | 0.5             | 5.5              | 1.8              | 20             | <0.1             | 0.2              | <0.1             | 71            | 0.35            | 0.040           |
| 11YM0097 | Soil                             | 0.9              | 25.0             | 9.0              | 64             | <0.1             | 21.0             | 14.3             | 344            | 3.21            | 7.5              | 0.6             | 9.2              | 3.0              | 23             | <0.1             | 0.4              | 0.1              | 71            | 0.35            | 0.042           |
| 11YM0098 | Soil                             | 0.6              | 21.1             | 5.8              | 84             | <0.1             | 15.3             | 15.0             | 447            | 3.56            | 5.1              | 0.3             | 0.6              | 1.2              | 25             | <0.1             | 0.2              | <0.1             | 86            | 0.45            | 0.047           |
| 11YM0099 | Soil                             | 0.9              | 14.5             | 5.4              | 71             | <0.1             | 12.2             | 15.4             | 529            | 3.16            | 3.7              | 0.2             | 1.1              | 1.2              | 24             | <0.1             | 0.2              | <0.1             | 66            | 0.38            | 0.049           |



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**Project:** Mariposa  
**Report Date:** December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0070 | Soil                             | 19    | 24    | 0.96  | 346   | 0.112 | <1    | 1.75  | 0.016 | 0.15  | <0.1  | 0.04  | 7.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0071 | Soil                             | 26    | 30    | 0.92  | 415   | 0.084 | <1    | 1.71  | 0.015 | 0.14  | <0.1  | 0.04  | 7.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0072 | Soil                             | 21    | 27    | 0.87  | 284   | 0.104 | <1    | 1.73  | 0.012 | 0.23  | 0.1   | 0.04  | 6.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0073 | Soil                             | 7     | 34    | 0.94  | 190   | 0.156 | <1    | 1.56  | 0.016 | 0.32  | <0.1  | 0.01  | 2.5   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0074 | Soil                             | 6     | 26    | 0.80  | 187   | 0.154 | <1    | 1.41  | 0.014 | 0.33  | <0.1  | <0.01 | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0075 | Soil                             | 10    | 31    | 0.76  | 256   | 0.160 | <1    | 1.54  | 0.014 | 0.17  | <0.1  | 0.02  | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0076 | Soil                             | 10    | 34    | 0.84  | 223   | 0.169 | <1    | 1.51  | 0.015 | 0.28  | 0.1   | 0.03  | 2.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0077 | Soil                             | 15    | 48    | 1.20  | 358   | 0.178 | <1    | 1.85  | 0.020 | 0.26  | 0.1   | 0.03  | 3.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0078 | Soil                             | 11    | 23    | 0.84  | 426   | 0.163 | <1    | 1.82  | 0.019 | 0.49  | <0.1  | 0.02  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0079 | Soil                             | 7     | 18    | 1.19  | 508   | 0.236 | 2     | 2.08  | 0.014 | 0.89  | <0.1  | 0.02  | 2.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0080 | Soil                             | 8     | 23    | 1.04  | 450   | 0.203 | 3     | 2.12  | 0.013 | 0.73  | 0.1   | 0.02  | 2.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0081 | Soil                             | 10    | 23    | 0.87  | 283   | 0.206 | 3     | 1.94  | 0.015 | 0.46  | 0.1   | 0.02  | 3.3   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0082 | Soil                             | 8     | 25    | 0.95  | 230   | 0.185 | 2     | 2.11  | 0.015 | 0.40  | 0.1   | 0.02  | 2.9   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0083 | Soil                             | 10    | 28    | 0.77  | 262   | 0.170 | 3     | 1.76  | 0.013 | 0.40  | 0.1   | 0.01  | 3.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0084 | Soil                             | 6     | 18    | 1.10  | 285   | 0.257 | 2     | 2.14  | 0.013 | 0.93  | 0.1   | 0.01  | 2.6   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0085 | Soil                             | 6     | 24    | 1.55  | 260   | 0.234 | 2     | 2.35  | 0.031 | 0.55  | 0.1   | 0.01  | 4.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0086 | Soil                             | 6     | 23    | 1.73  | 287   | 0.277 | 2     | 2.49  | 0.017 | 0.94  | 0.1   | 0.01  | 3.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0087 | Soil                             | 9     | 19    | 1.06  | 282   | 0.249 | 1     | 2.05  | 0.013 | 0.69  | 0.2   | <0.01 | 3.4   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0088 | Soil                             | 6     | 8     | 1.26  | 213   | 0.312 | 2     | 2.50  | 0.013 | 1.08  | 0.1   | <0.01 | 2.6   | 0.5   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0089 | Soil                             | 12    | 21    | 0.58  | 226   | 0.138 | <1    | 1.77  | 0.010 | 0.33  | 0.1   | <0.01 | 5.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0090 | Soil                             | 8     | 14    | 0.91  | 287   | 0.254 | 1     | 2.22  | 0.018 | 0.75  | 0.1   | <0.01 | 4.8   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0091 | Soil                             | 9     | 26    | 0.86  | 265   | 0.206 | 2     | 2.56  | 0.015 | 0.38  | <0.1  | 0.02  | 4.0   | 0.2   | 0.06  | 7     | <0.5  | <0.2  |
| 11YM0092 | Soil                             | 10    | 22    | 1.34  | 213   | 0.154 | <1    | 2.25  | 0.015 | 0.37  | 0.1   | 0.01  | 6.5   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0093 | Soil                             | 10    | 30    | 0.80  | 178   | 0.130 | 2     | 2.09  | 0.012 | 0.15  | 0.1   | 0.03  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0094 | Soil                             | 11    | 26    | 1.17  | 291   | 0.143 | 1     | 2.14  | 0.011 | 0.19  | <0.1  | 0.03  | 7.8   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11YM0095 | Soil                             | 5     | 18    | 0.97  | 220   | 0.202 | <1    | 1.75  | 0.011 | 0.40  | 0.1   | 0.01  | 1.8   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0096 | Soil                             | 7     | 21    | 0.85  | 233   | 0.205 | <1    | 1.79  | 0.013 | 0.37  | 0.1   | 0.01  | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0097 | Soil                             | 10    | 30    | 0.86  | 277   | 0.174 | <1    | 1.97  | 0.016 | 0.23  | 0.1   | 0.02  | 3.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0098 | Soil                             | 5     | 25    | 1.41  | 330   | 0.263 | <1    | 2.38  | 0.012 | 0.63  | 0.1   | 0.01  | 2.1   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0099 | Soil                             | 4     | 19    | 0.99  | 296   | 0.241 | 2     | 2.06  | 0.013 | 0.63  | 0.1   | <0.01 | 1.4   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |



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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11YM0100 | Soil | 1.5                              | 9.4   | 6.3   | 45    | 0.1   | 9.6   | 8.7   | 344   | 2.33  | 4.3   | 0.4   | <0.5  | 2.6   | 15    | <0.1  | 0.2   | 0.1   | 41    | 0.19  | 0.034 |      |
| 11YM0101 | Soil | 0.9                              | 20.4  | 8.2   | 61    | <0.1  | 15.6  | 13.6  | 320   | 3.06  | 5.4   | 0.3   | 0.8   | 1.9   | 19    | <0.1  | 0.3   | <0.1  | 71    | 0.31  | 0.026 |      |
| 11MS0102 | Soil | I.S.                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |      |
| 11YM0103 | Soil | 1.4                              | 28.8  | 6.7   | 79    | 0.1   | 12.7  | 11.8  | 541   | 3.85  | 5.1   | 0.7   | 14.3  | 3.8   | 15    | <0.1  | 0.2   | <0.1  | 58    | 0.50  | 0.084 |      |
| 11YM0104 | Soil | 0.8                              | 24.4  | 5.0   | 73    | <0.1  | 17.1  | 16.4  | 421   | 3.54  | 3.1   | 0.4   | 12.0  | 2.5   | 21    | <0.1  | 0.2   | <0.1  | 69    | 0.47  | 0.034 |      |
| 11YM0105 | Soil | 1.1                              | 21.3  | 8.2   | 63    | <0.1  | 12.1  | 12.0  | 346   | 3.17  | 5.4   | 0.6   | 2.9   | 2.2   | 17    | <0.1  | 0.3   | 0.1   | 71    | 0.29  | 0.019 |      |
| 11YM0106 | Soil | 0.7                              | 52.2  | 4.9   | 86    | <0.1  | 14.5  | 22.2  | 521   | 4.67  | 3.9   | 0.3   | 1.1   | 1.5   | 17    | <0.1  | 0.2   | <0.1  | 140   | 0.40  | 0.022 |      |
| 11YM0107 | Soil | 0.9                              | 36.3  | 9.9   | 60    | 0.2   | 17.1  | 15.4  | 533   | 3.25  | 5.7   | 0.6   | 2.6   | 2.6   | 29    | <0.1  | 0.3   | 0.1   | 80    | 0.51  | 0.025 |      |
| 11YM0108 | Soil | 0.6                              | 36.2  | 4.7   | 77    | <0.1  | 13.0  | 18.1  | 430   | 4.05  | 3.3   | 0.2   | 0.7   | 1.1   | 19    | <0.1  | 0.2   | <0.1  | 113   | 0.43  | 0.031 |      |
| 11YM0109 | Soil | 1.5                              | 30.4  | 4.6   | 55    | <0.1  | 13.1  | 13.1  | 383   | 3.27  | 4.1   | 0.3   | 3.0   | 1.1   | 20    | <0.1  | 0.2   | <0.1  | 64    | 0.28  | 0.025 |      |
| 11YM0110 | Soil | 1.0                              | 17.5  | 3.0   | 69    | <0.1  | 7.8   | 10.0  | 412   | 3.12  | 3.9   | 0.3   | 0.8   | 1.8   | 12    | <0.1  | 0.2   | <0.1  | 49    | 0.32  | 0.063 |      |
| 11YM0111 | Soil | 0.8                              | 26.9  | 3.5   | 67    | <0.1  | 12.0  | 11.1  | 348   | 2.90  | 3.3   | 0.4   | 2.1   | 2.1   | 15    | <0.1  | 0.2   | <0.1  | 57    | 0.37  | 0.052 |      |
| 11YM0112 | Soil | 0.7                              | 23.3  | 4.1   | 62    | <0.1  | 11.1  | 11.0  | 379   | 2.95  | 3.2   | 0.4   | 2.5   | 1.5   | 17    | <0.1  | 0.2   | <0.1  | 61    | 0.34  | 0.039 |      |
| 11YM0113 | Soil | 0.6                              | 20.5  | 7.5   | 78    | 0.1   | 20.4  | 13.1  | 553   | 2.95  | 6.7   | 1.1   | 4.1   | 2.4   | 58    | 0.3   | 0.2   | 0.1   | 68    | 0.84  | 0.128 |      |
| 11YM0114 | Soil | 1.0                              | 17.5  | 7.2   | 75    | 0.1   | 11.1  | 9.8   | 262   | 2.41  | 3.7   | 0.6   | 2.8   | 1.8   | 27    | 0.1   | 0.1   | 0.1   | 53    | 0.42  | 0.075 |      |
| 11YM0115 | Soil | 1.0                              | 16.7  | 6.4   | 71    | <0.1  | 11.2  | 11.7  | 265   | 2.38  | 4.1   | 0.6   | 2.4   | 1.8   | 27    | 0.1   | 0.1   | <0.1  | 47    | 0.39  | 0.071 |      |
| 11YM0116 | Soil | 0.7                              | 16.4  | 6.1   | 76    | 0.1   | 13.8  | 12.4  | 257   | 2.34  | 3.3   | 0.6   | 5.6   | 1.6   | 30    | <0.1  | 0.2   | <0.1  | 41    | 0.34  | 0.062 |      |
| 11YM0117 | Soil | 1.3                              | 27.4  | 9.6   | 85    | 0.2   | 19.6  | 16.4  | 544   | 3.14  | 3.4   | 0.8   | 4.9   | 2.3   | 36    | 0.1   | 0.2   | 0.1   | 64    | 0.49  | 0.081 |      |
| 11YM0118 | Soil | 1.3                              | 29.2  | 9.1   | 90    | 0.2   | 20.9  | 16.7  | 577   | 3.30  | 3.5   | 0.8   | 4.4   | 2.4   | 37    | 0.1   | 0.2   | 0.1   | 65    | 0.52  | 0.082 |      |
| 11YM0119 | Soil | 1.2                              | 22.9  | 7.5   | 71    | <0.1  | 23.7  | 13.2  | 411   | 3.22  | 4.7   | 0.8   | 2.6   | 3.5   | 27    | <0.1  | 0.2   | <0.1  | 61    | 0.51  | 0.078 |      |
| 11YM0120 | Soil | 1.1                              | 38.2  | 9.0   | 66    | 0.2   | 20.1  | 14.1  | 777   | 3.12  | 6.0   | 1.9   | 3.8   | 4.3   | 29    | 0.2   | 0.3   | 0.2   | 61    | 0.36  | 0.066 |      |
| 11YM0121 | Soil | 1.4                              | 23.3  | 9.8   | 48    | 0.2   | 15.9  | 10.4  | 352   | 2.81  | 5.6   | 0.7   | 4.1   | 3.5   | 20    | <0.1  | 0.4   | 0.1   | 60    | 0.22  | 0.028 |      |
| 11YM0122 | Soil | 1.1                              | 16.7  | 8.7   | 58    | <0.1  | 14.1  | 8.0   | 277   | 2.74  | 6.1   | 0.5   | 3.1   | 4.0   | 19    | <0.1  | 0.3   | 0.1   | 52    | 0.21  | 0.030 |      |
| 11YM0123 | Soil | 1.2                              | 31.7  | 7.2   | 71    | <0.1  | 14.2  | 11.8  | 367   | 3.64  | 5.4   | 0.7   | 1.6   | 4.1   | 15    | <0.1  | 0.3   | 0.1   | 81    | 0.19  | 0.030 |      |
| 11YM0124 | Soil | 2.4                              | 20.1  | 8.0   | 55    | 0.2   | 12.3  | 8.9   | 394   | 2.72  | 5.3   | 0.6   | 2.1   | 2.5   | 21    | <0.1  | 0.3   | 0.1   | 58    | 0.24  | 0.028 |      |
| 11YM0125 | Soil | 1.9                              | 45.4  | 22.9  | 64    | <0.1  | 3.9   | 6.9   | 204   | 2.05  | 5.0   | 0.8   | 2.9   | 3.2   | 27    | <0.1  | 0.2   | <0.1  | 20    | 0.27  | 0.055 |      |
| 11YM0126 | Soil | 0.7                              | 24.7  | 4.0   | 98    | <0.1  | 17.0  | 13.1  | 545   | 4.34  | 3.7   | 0.5   | 1.2   | 3.1   | 19    | <0.1  | 0.1   | <0.1  | 73    | 0.26  | 0.030 |      |
| 11YM0127 | Soil | 0.8                              | 25.6  | 7.3   | 76    | <0.1  | 17.8  | 12.4  | 328   | 3.26  | 6.5   | 0.7   | 2.8   | 3.1   | 30    | <0.1  | 0.4   | 0.1   | 67    | 0.43  | 0.045 |      |
| 11YM0128 | Soil | 0.7                              | 12.0  | 9.7   | 78    | <0.1  | 9.3   | 6.7   | 305   | 2.35  | 4.3   | 0.4   | 1.5   | 1.5   | 27    | <0.1  | 0.2   | <0.1  | 47    | 0.23  | 0.039 |      |
| 11YM0129 | Soil | 0.2                              | 13.3  | 2.5   | 94    | <0.1  | 13.1  | 11.4  | 568   | 3.15  | 2.3   | 0.7   | 1.2   | 5.0   | 12    | <0.1  | <0.1  | <0.1  | 44    | 0.19  | 0.044 |      |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0100 | Soil                             | 7     | 16    | 0.46  | 169   | 0.086 | <1    | 1.59  | 0.014 | 0.16  | <0.1  | 0.01  | 1.5   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0101 | Soil                             | 5     | 24    | 0.89  | 196   | 0.181 | <1    | 2.16  | 0.015 | 0.35  | 0.1   | <0.01 | 2.3   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0102 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11YM0103 | Soil                             | 12    | 19    | 0.95  | 361   | 0.167 | <1    | 2.13  | 0.010 | 0.54  | 0.1   | 0.03  | 4.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0104 | Soil                             | 7     | 27    | 1.48  | 351   | 0.295 | <1    | 2.52  | 0.012 | 0.75  | 0.1   | <0.01 | 2.2   | 0.4   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0105 | Soil                             | 7     | 22    | 0.82  | 234   | 0.186 | <1    | 1.87  | 0.013 | 0.40  | 0.1   | 0.02  | 3.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0106 | Soil                             | 4     | 22    | 1.46  | 240   | 0.263 | <1    | 2.61  | 0.025 | 0.68  | <0.1  | 0.01  | 6.1   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0107 | Soil                             | 9     | 27    | 0.93  | 298   | 0.173 | 1     | 1.95  | 0.021 | 0.32  | 0.1   | 0.03  | 4.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0108 | Soil                             | 3     | 24    | 1.43  | 201   | 0.290 | <1    | 2.52  | 0.023 | 0.90  | 0.1   | <0.01 | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0109 | Soil                             | 4     | 21    | 1.08  | 181   | 0.226 | <1    | 1.88  | 0.010 | 0.67  | 0.1   | <0.01 | 1.9   | 0.3   | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0110 | Soil                             | 4     | 13    | 1.02  | 179   | 0.219 | <1    | 1.80  | 0.007 | 0.80  | 0.1   | <0.01 | 2.2   | 0.4   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0111 | Soil                             | 5     | 24    | 0.85  | 190   | 0.158 | <1    | 1.50  | 0.009 | 0.54  | 0.1   | <0.01 | 3.5   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0112 | Soil                             | 6     | 21    | 0.91  | 228   | 0.201 | <1    | 1.68  | 0.010 | 0.61  | 0.1   | 0.01  | 2.6   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0113 | Soil                             | 19    | 29    | 0.91  | 430   | 0.095 | 2     | 1.56  | 0.016 | 0.14  | 0.2   | 0.04  | 5.9   | 0.2   | 0.06  | 6     | <0.5  | <0.2  |
| 11YM0114 | Soil                             | 10    | 20    | 0.66  | 212   | 0.078 | <1    | 1.35  | 0.014 | 0.08  | <0.1  | 0.03  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0115 | Soil                             | 12    | 18    | 0.74  | 216   | 0.066 | <1    | 1.49  | 0.011 | 0.07  | <0.1  | 0.04  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0116 | Soil                             | 12    | 20    | 1.02  | 220   | 0.081 | 1     | 1.78  | 0.014 | 0.11  | 0.1   | 0.04  | 5.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0117 | Soil                             | 14    | 31    | 1.02  | 323   | 0.071 | 1     | 1.91  | 0.014 | 0.13  | 0.1   | 0.03  | 5.9   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11YM0118 | Soil                             | 15    | 33    | 1.05  | 333   | 0.084 | 1     | 2.01  | 0.016 | 0.14  | 0.1   | 0.04  | 6.5   | 0.1   | 0.05  | 8     | <0.5  | <0.2  |
| 11YM0119 | Soil                             | 11    | 32    | 1.03  | 221   | 0.210 | 1     | 1.86  | 0.015 | 0.43  | 0.2   | 0.01  | 2.8   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0120 | Soil                             | 22    | 29    | 0.63  | 316   | 0.145 | 2     | 1.85  | 0.020 | 0.26  | 0.1   | 0.03  | 3.8   | 0.2   | <0.05 | 6     | 0.5   | <0.2  |
| 11YM0121 | Soil                             | 14    | 27    | 0.51  | 233   | 0.126 | <1    | 1.59  | 0.013 | 0.17  | 0.1   | 0.02  | 2.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0122 | Soil                             | 8     | 22    | 0.60  | 171   | 0.127 | 1     | 1.69  | 0.010 | 0.25  | 0.1   | 0.01  | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0123 | Soil                             | 8     | 18    | 0.87  | 191   | 0.214 | <1    | 2.13  | 0.010 | 0.58  | 0.1   | <0.01 | 3.5   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0124 | Soil                             | 9     | 27    | 0.65  | 252   | 0.172 | <1    | 1.75  | 0.015 | 0.24  | 0.1   | 0.01  | 2.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0125 | Soil                             | 13    | 6     | 0.34  | 832   | 0.026 | <1    | 1.08  | 0.006 | 0.21  | <0.1  | <0.01 | 1.7   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0126 | Soil                             | 6     | 43    | 1.25  | 248   | 0.270 | <1    | 2.35  | 0.010 | 1.00  | 0.1   | <0.01 | 4.9   | 0.5   | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0127 | Soil                             | 11    | 33    | 0.90  | 265   | 0.167 | <1    | 1.97  | 0.015 | 0.19  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0128 | Soil                             | 4     | 17    | 0.60  | 199   | 0.114 | <1    | 1.63  | 0.009 | 0.20  | 0.1   | 0.01  | 1.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0129 | Soil                             | 9     | 31    | 0.99  | 146   | 0.245 | <1    | 1.77  | 0.009 | 0.99  | 0.1   | <0.01 | 1.7   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11YM0130 | Soil                             | 0.8   | 21.6  | 7.6   | 64    | <0.1  | 16.3  | 11.5  | 381   | 2.72  | 4.5   | 0.4   | 2.4   | 1.9   | 21    | <0.1  | 0.2   | <0.1  | 59    | 0.41  |
| 11YM0131 | Soil                             | 0.8   | 22.4  | 10.1  | 90    | <0.1  | 19.7  | 14.6  | 458   | 3.19  | 4.5   | 0.4   | 1.3   | 2.0   | 21    | <0.1  | 0.3   | <0.1  | 67    | 0.44  |
| 11YM0132 | Soil                             | 0.7   | 24.3  | 5.8   | 97    | <0.1  | 13.6  | 12.4  | 428   | 3.12  | 3.0   | 0.5   | 2.0   | 2.6   | 21    | <0.1  | 0.2   | <0.1  | 54    | 0.44  |
| 11YM0133 | Soil                             | 0.7   | 24.9  | 5.4   | 104   | <0.1  | 15.8  | 11.0  | 444   | 3.19  | 3.7   | 0.5   | 1.6   | 3.4   | 22    | <0.1  | 0.2   | <0.1  | 57    | 0.37  |
| 11YM0134 | Soil                             | 1.3   | 42.7  | 8.1   | 86    | 0.1   | 48.5  | 19.6  | 584   | 4.28  | 6.5   | 1.0   | 8.6   | 5.2   | 25    | 0.2   | 0.3   | <0.1  | 72    | 0.51  |
| 11YM0135 | Soil                             | 0.5   | 32.8  | 4.4   | 57    | <0.1  | 26.2  | 21.4  | 173   | 3.53  | 1.6   | 0.7   | 0.8   | 2.8   | 16    | <0.1  | 0.1   | <0.1  | 54    | 0.27  |
| 11YM0136 | Soil                             | 1.1   | 75.9  | 4.9   | 67    | 0.2   | 11.0  | 14.4  | 267   | 3.39  | 3.7   | 0.8   | 2.0   | 5.0   | 27    | <0.1  | 0.3   | <0.1  | 72    | 0.29  |
| 11YM0137 | Soil                             | 2.0   | 31.8  | 7.5   | 80    | <0.1  | 40.1  | 20.5  | 702   | 3.51  | 5.6   | 0.7   | 2.4   | 1.9   | 38    | 0.2   | 0.2   | <0.1  | 80    | 0.62  |
| 11YM0138 | Soil                             | 1.3   | 27.5  | 6.4   | 72    | <0.1  | 23.3  | 14.6  | 570   | 2.91  | 4.6   | 0.8   | 3.0   | 2.1   | 52    | 0.1   | 0.3   | 0.1   | 65    | 0.90  |
| 11YM0139 | Soil                             | 1.0   | 23.8  | 6.7   | 86    | <0.1  | 17.6  | 14.3  | 453   | 3.41  | 6.5   | 0.8   | 2.3   | 3.2   | 44    | <0.1  | 0.3   | 0.1   | 76    | 0.74  |
| 11YM0140 | Soil                             | 0.9   | 18.2  | 5.4   | 77    | <0.1  | 16.4  | 12.3  | 498   | 3.04  | 6.6   | 0.7   | 2.1   | 2.6   | 38    | 0.2   | 0.2   | 0.1   | 69    | 0.68  |



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**Project:** Mariposa  
**Report Date:** December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0130 | Soil                             | 5     | 31    | 0.81  | 169   | 0.119 | <1    | 1.59  | 0.014 | 0.32  | <0.1  | <0.01 | 3.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0131 | Soil                             | 5     | 31    | 0.85  | 262   | 0.087 | 1     | 1.86  | 0.012 | 0.35  | 0.1   | 0.01  | 3.6   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11YM0132 | Soil                             | 6     | 26    | 1.06  | 221   | 0.164 | 2     | 1.85  | 0.008 | 0.70  | 0.1   | <0.01 | 2.1   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0133 | Soil                             | 9     | 29    | 1.12  | 221   | 0.200 | <1    | 1.93  | 0.014 | 0.74  | <0.1  | <0.01 | 3.3   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0134 | Soil                             | 23    | 69    | 1.37  | 357   | 0.072 | <1    | 2.33  | 0.020 | 0.20  | <0.1  | 0.02  | 8.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0135 | Soil                             | 13    | 27    | 1.08  | 159   | 0.097 | <1    | 1.61  | 0.011 | 0.28  | <0.1  | <0.01 | 4.0   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0136 | Soil                             | 18    | 14    | 0.69  | 265   | 0.082 | <1    | 1.43  | 0.018 | 0.37  | <0.1  | 0.02  | 4.6   | 0.2   | 0.13  | 5     | 0.5   | <0.2  |
| 11YM0137 | Soil                             | 11    | 59    | 1.21  | 261   | 0.068 | <1    | 2.02  | 0.019 | 0.07  | 0.1   | 0.05  | 6.7   | <0.1  | 0.07  | 7     | <0.5  | <0.2  |
| 11YM0138 | Soil                             | 11    | 33    | 0.89  | 281   | 0.067 | 1     | 1.53  | 0.017 | 0.12  | 0.1   | 0.06  | 6.5   | <0.1  | 0.08  | 5     | 0.5   | <0.2  |
| 11YM0139 | Soil                             | 11    | 27    | 0.96  | 258   | 0.109 | 1     | 1.72  | 0.019 | 0.25  | 0.1   | 0.03  | 7.0   | 0.1   | 0.06  | 6     | <0.5  | <0.2  |
| 11YM0140 | Soil                             | 10    | 26    | 0.85  | 239   | 0.096 | <1    | 1.52  | 0.018 | 0.25  | 0.1   | 0.03  | 5.8   | 0.1   | 0.07  | 6     | 0.6   | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## QUALITY CONTROL REPORT

WHI11001369.1

| Method<br>Analyte<br>Unit<br>MDL |      | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------------------------------|------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|                                  |      | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| Pulp Duplicates                  |      |                  |                  |                  |                |                  |                  |                  |                |                 |                  |                 |                  |                  |                |                  |                  |                  |               |                 |                 |
| 11MS0004                         | Soil | 1.1              | 39.1             | 10.2             | 71             | <0.1             | 18.5             | 11.0             | 268            | 3.25            | 9.2              | 0.8             | 2.2              | 3.8              | 13             | <0.1             | 0.5              | 0.2              | 70            | 0.17            | 0.051           |
| REP 11MS0004                     | QC   | 1.1              | 37.1             | 10.2             | 68             | <0.1             | 18.4             | 10.9             | 256            | 3.21            | 9.2              | 0.9             | 3.2              | 3.9              | 13             | <0.1             | 0.5              | 0.2              | 70            | 0.18            | 0.051           |
| 11MS0021                         | Soil | 0.8              | 20.9             | 8.6              | 74             | 0.1              | 53.3             | 15.0             | 418            | 3.41            | 5.4              | 0.7             | 0.7              | 2.8              | 52             | <0.1             | 0.1              | <0.1             | 75            | 0.67            | 0.143           |
| REP 11MS0021                     | QC   | 0.7              | 20.8             | 9.1              | 74             | <0.1             | 52.7             | 14.8             | 429            | 3.42            | 5.5              | 0.7             | 2.3              | 2.8              | 54             | <0.1             | 0.1              | <0.1             | 76            | 0.69            | 0.138           |
| 11MS0039                         | Soil | 0.8              | 14.8             | 9.4              | 61             | <0.1             | 11.9             | 8.6              | 272            | 2.58            | 6.1              | 0.5             | 2.9              | 2.6              | 18             | <0.1             | 0.2              | 0.1              | 53            | 0.25            | 0.060           |
| REP 11MS0039                     | QC   | 0.9              | 14.6             | 9.8              | 61             | <0.1             | 11.2             | 8.5              | 266            | 2.52            | 6.3              | 0.5             | 0.7              | 2.4              | 17             | <0.1             | 0.2              | 0.1              | 51            | 0.24            | 0.058           |
| 11MS0072                         | Soil | 0.9              | 38.0             | 6.5              | 87             | <0.1             | 14.4             | 14.0             | 479            | 3.29            | 6.0              | 0.8             | 2.2              | 3.6              | 32             | 0.1              | 0.2              | <0.1             | 68            | 0.63            | 0.100           |
| REP 11MS0072                     | QC   | 0.9              | 39.7             | 6.6              | 88             | <0.1             | 14.0             | 14.8             | 501            | 3.48            | 6.7              | 0.8             | 3.1              | 3.7              | 33             | <0.1             | 0.2              | <0.1             | 71            | 0.65            | 0.106           |
| 11MS0083                         | Soil | 0.8              | 13.1             | 7.5              | 58             | <0.1             | 9.2              | 8.0              | 272            | 2.29            | 4.4              | 0.3             | 1.4              | 1.4              | 17             | <0.1             | 0.2              | <0.1             | 45            | 0.20            | 0.028           |
| REP 11MS0083                     | QC   | 1.0              | 13.2             | 7.7              | 58             | <0.1             | 8.7              | 8.0              | 279            | 2.36            | 4.7              | 0.4             | 1.2              | 1.4              | 17             | <0.1             | 0.2              | <0.1             | 46            | 0.22            | 0.029           |
| 11MS0101                         | Soil | 0.7              | 10.7             | 14.5             | 79             | <0.1             | 15.0             | 12.7             | 778            | 3.87            | 4.7              | 0.4             | 1.9              | 3.1              | 23             | <0.1             | 0.3              | <0.1             | 83            | 0.31            | 0.065           |
| REP 11MS0101                     | QC   | 0.8              | 10.6             | 14.5             | 80             | <0.1             | 16.0             | 12.9             | 784            | 3.90            | 4.7              | 0.4             | 1.4              | 3.2              | 23             | 0.1              | 0.3              | <0.1             | 85            | 0.31            | 0.069           |
| 11MS0119                         | Soil | 1.1              | 18.3             | 11.6             | 91             | <0.1             | 29.4             | 12.8             | 420            | 3.05            | 3.5              | 1.9             | 1.7              | 11.2             | 50             | 0.1              | 0.2              | 0.1              | 39            | 0.46            | 0.118           |
| REP 11MS0119                     | QC   | 1.2              | 18.3             | 11.7             | 90             | <0.1             | 29.6             | 12.3             | 409            | 3.00            | 3.2              | 1.8             | 1.2              | 11.3             | 50             | 0.2              | 0.2              | <0.1             | 39            | 0.45            | 0.114           |
| 11MS0127                         | Soil | 1.8              | 89.3             | 17.2             | 77             | <0.1             | 80.3             | 32.8             | 722            | 5.09            | 4.8              | 0.8             | 1.0              | 3.9              | 45             | <0.1             | 0.2              | 0.3              | 152           | 0.61            | 0.091           |
| REP 11MS0127                     | QC   | 1.6              | 89.1             | 16.9             | 76             | <0.1             | 80.1             | 32.5             | 730            | 4.97            | 4.5              | 0.8             | 0.9              | 3.6              | 43             | <0.1             | 0.2              | 0.3              | 148           | 0.57            | 0.089           |
| 11YM0022                         | Soil | 0.5              | 31.1             | 6.6              | 83             | 0.1              | 73.3             | 19.4             | 572            | 3.75            | 2.7              | 1.3             | 2.0              | 4.2              | 92             | 0.1              | 0.1              | <0.1             | 85            | 1.08            | 0.225           |
| REP 11YM0022                     | QC   | 0.6              | 31.5             | 6.5              | 84             | 0.1              | 74.7             | 20.2             | 606            | 3.78            | 2.8              | 1.3             | 1.1              | 4.3              | 94             | 0.1              | 0.1              | <0.1             | 89            | 1.10            | 0.226           |
| 11YM0029                         | Soil | 1.4              | 26.2             | 6.2              | 73             | 0.1              | 14.1             | 14.7             | 312            | 4.00            | 6.4              | 0.5             | 2.7              | 2.5              | 19             | <0.1             | 0.2              | <0.1             | 92            | 0.35            | 0.069           |
| REP 11YM0029                     | QC   | 1.3              | 25.8             | 6.0              | 75             | 0.1              | 13.7             | 14.1             | 301            | 3.95            | 6.0              | 0.5             | 1.5              | 2.3              | 19             | <0.1             | 0.2              | <0.1             | 91            | 0.32            | 0.067           |
| 11YM0060                         | Soil | 1.1              | 29.7             | 7.4              | 62             | 0.3              | 12.5             | 12.8             | 402            | 2.91            | 5.5              | 1.2             | 3.5              | 2.5              | 33             | <0.1             | 0.2              | <0.1             | 53            | 0.54            | 0.066           |
| REP 11YM0060                     | QC   | 1.2              | 30.0             | 7.2              | 63             | 0.3              | 12.1             | 12.9             | 400            | 2.96            | 5.4              | 1.2             | 4.3              | 2.5              | 33             | <0.1             | 0.2              | <0.1             | 53            | 0.53            | 0.069           |
| 11YM0074                         | Soil | 0.9              | 16.8             | 4.4              | 64             | 0.1              | 12.9             | 8.6              | 266            | 2.51            | 7.2              | 0.3             | 1.6              | 1.1              | 21             | <0.1             | <0.1             | <0.1             | 57            | 0.37            | 0.071           |
| REP 11YM0074                     | QC   | 1.0              | 16.1             | 4.3              | 61             | <0.1             | 12.1             | 8.7              | 267            | 2.45            | 6.9              | 0.3             | 1.2              | 1.1              | 21             | <0.1             | <0.1             | <0.1             | 55            | 0.38            | 0.074           |
| 11YM0090                         | Soil | 0.9              | 23.7             | 4.9              | 85             | <0.1             | 9.9              | 11.4             | 340            | 3.88            | 4.2              | 0.4             | 1.0              | 1.9              | 19             | <0.1             | 0.2              | <0.1             | 83            | 0.22            | 0.040           |
| REP 11YM0090                     | QC   | 0.9              | 23.6             | 4.9              | 88             | <0.1             | 10.3             | 11.7             | 347            | 3.96            | 4.3              | 0.4             | 0.9              | 1.9              | 19             | <0.1             | 0.2              | <0.1             | 83            | 0.22            | 0.040           |
| 11YM0108                         | Soil | 0.6              | 36.2             | 4.7              | 77             | <0.1             | 13.0             | 18.1             | 430            | 4.05            | 3.3              | 0.2             | 0.7              | 1.1              | 19             | <0.1             | 0.2              | <0.1             | 113           | 0.43            | 0.031           |
| REP 11YM0108                     | QC   | 0.5              | 33.5             | 4.4              | 72             | <0.1             | 12.7             | 17.1             | 397            | 3.75            | 2.9              | 0.2             | <0.5             | 1.0              | 18             | <0.1             | 0.2              | <0.1             | 107           | 0.40            | 0.029           |



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Project: Mariposa

Report Date: December 07, 2011

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## QUALITY CONTROL REPORT

WHI11001369.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                 |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                 |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11MS0004        | Soil                             | 13    | 34    | 0.75  | 205   | 0.088 | 2     | 2.15  | 0.012 | 0.08  | 0.2   | 0.03  | 4.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| REP 11MS0004    | QC                               | 13    | 34    | 0.77  | 206   | 0.087 | 2     | 2.20  | 0.014 | 0.08  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11MS0021        | Soil                             | 16    | 71    | 1.60  | 388   | 0.225 | <1    | 2.06  | 0.017 | 0.31  | 0.1   | 0.02  | 3.2   | 0.2   | 0.08  | 7     | <0.5  | <0.2  |
| REP 11MS0021    | QC                               | 17    | 72    | 1.55  | 397   | 0.227 | <1    | 2.00  | 0.017 | 0.30  | 0.2   | 0.02  | 3.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0039        | Soil                             | 8     | 21    | 0.67  | 205   | 0.086 | 1     | 1.54  | 0.010 | 0.12  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11MS0039    | QC                               | 8     | 20    | 0.64  | 203   | 0.086 | <1    | 1.51  | 0.008 | 0.12  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0072        | Soil                             | 13    | 32    | 0.82  | 356   | 0.086 | <1    | 1.54  | 0.014 | 0.18  | <0.1  | 0.02  | 4.6   | 0.1   | 0.06  | 7     | <0.5  | <0.2  |
| REP 11MS0072    | QC                               | 13    | 33    | 0.84  | 360   | 0.089 | <1    | 1.57  | 0.015 | 0.19  | <0.1  | 0.01  | 4.9   | 0.1   | 0.06  | 7     | 0.6   | <0.2  |
| 11MS0083        | Soil                             | 5     | 14    | 0.69  | 213   | 0.149 | 1     | 1.43  | 0.009 | 0.44  | 0.1   | <0.01 | 1.5   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| REP 11MS0083    | QC                               | 5     | 14    | 0.69  | 219   | 0.156 | 1     | 1.45  | 0.010 | 0.45  | <0.1  | 0.01  | 1.5   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0101        | Soil                             | 8     | 25    | 1.15  | 555   | 0.192 | 1     | 2.55  | 0.016 | 0.56  | 0.1   | 0.01  | 6.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| REP 11MS0101    | QC                               | 8     | 26    | 1.15  | 555   | 0.191 | <1    | 2.51  | 0.016 | 0.56  | <0.1  | 0.02  | 6.8   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0119        | Soil                             | 34    | 51    | 0.93  | 227   | 0.146 | <1    | 1.81  | 0.014 | 0.26  | <0.1  | <0.01 | 2.4   | 0.2   | <0.05 | 5     | 0.5   | <0.2  |
| REP 11MS0119    | QC                               | 34    | 50    | 0.94  | 229   | 0.145 | <1    | 1.81  | 0.014 | 0.26  | <0.1  | 0.01  | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0127        | Soil                             | 19    | 141   | 3.10  | 680   | 0.184 | 1     | 3.15  | 0.022 | 0.09  | 0.2   | 0.01  | 13.1  | <0.1  | <0.05 | 12    | 0.7   | <0.2  |
| REP 11MS0127    | QC                               | 18    | 136   | 2.98  | 651   | 0.168 | <1    | 3.07  | 0.021 | 0.09  | 0.2   | <0.01 | 12.6  | <0.1  | <0.05 | 12    | 0.7   | <0.2  |
| 11YM0022        | Soil                             | 29    | 92    | 1.93  | 507   | 0.250 | 1     | 2.26  | 0.018 | 0.28  | <0.1  | 0.03  | 6.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11YM0022    | QC                               | 29    | 97    | 1.94  | 523   | 0.250 | <1    | 2.27  | 0.018 | 0.29  | 0.1   | 0.04  | 6.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0029        | Soil                             | 8     | 26    | 1.23  | 278   | 0.253 | 1     | 2.70  | 0.016 | 0.55  | 0.1   | 0.01  | 4.7   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11YM0029    | QC                               | 8     | 25    | 1.17  | 279   | 0.242 | 1     | 2.66  | 0.013 | 0.54  | 0.1   | 0.01  | 4.6   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0060        | Soil                             | 15    | 24    | 0.64  | 263   | 0.093 | <1    | 1.58  | 0.014 | 0.16  | 0.1   | 0.06  | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11YM0060    | QC                               | 15    | 24    | 0.66  | 266   | 0.091 | <1    | 1.58  | 0.013 | 0.16  | 0.1   | 0.06  | 4.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0074        | Soil                             | 6     | 26    | 0.80  | 187   | 0.154 | <1    | 1.41  | 0.014 | 0.33  | <0.1  | <0.01 | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| REP 11YM0074    | QC                               | 6     | 26    | 0.78  | 183   | 0.147 | <1    | 1.36  | 0.013 | 0.31  | <0.1  | <0.01 | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0090        | Soil                             | 8     | 14    | 0.91  | 287   | 0.254 | 1     | 2.22  | 0.018 | 0.75  | 0.1   | <0.01 | 4.8   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11YM0090    | QC                               | 8     | 15    | 0.91  | 286   | 0.257 | <1    | 2.21  | 0.012 | 0.78  | <0.1  | 0.01  | 5.0   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0108        | Soil                             | 3     | 24    | 1.43  | 201   | 0.290 | <1    | 2.52  | 0.023 | 0.90  | 0.1   | <0.01 | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11YM0108    | QC                               | 3     | 23    | 1.34  | 186   | 0.270 | <1    | 2.31  | 0.020 | 0.84  | <0.1  | <0.01 | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |





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Project: Mariposa

Report Date: December 07, 2011

Page: 2 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001369.1

|                     |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| 11YM0139            | Soil     | 1.0   | 23.8  | 6.7   | 86    | <0.1  | 17.6  | 14.3  | 453   | 3.41  | 6.5   | 0.8   | 2.3   | 3.2   | 44    | <0.1  | 0.3   | 0.1   | 76    | 0.74  | 0.087  |
| REP 11YM0139        | QC       | 1.1   | 24.6  | 6.7   | 87    | 0.1   | 17.8  | 14.6  | 469   | 3.51  | 6.8   | 0.9   | 1.2   | 3.3   | 44    | <0.1  | 0.3   | 0.1   | 78    | 0.76  | 0.091  |
| Reference Materials |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard | 12.0  | 97.0  | 117.3 | 272   | 1.6   | 35.4  | 6.3   | 632   | 2.10  | 21.3  | 3.1   | 115.9 | 6.8   | 70    | 2.1   | 5.0   | 7.1   | 37    | 0.59  | 0.071  |
| STD DS8             | Standard | 12.9  | 123.0 | 121.8 | 318   | 1.7   | 37.5  | 7.4   | 606   | 2.40  | 25.3  | 3.2   | 107.7 | 8.0   | 73    | 2.4   | 6.4   | 7.6   | 42    | 0.70  | 0.077  |
| STD DS8             | Standard | 14.2  | 110.6 | 123.2 | 303   | 1.8   | 37.9  | 7.4   | 604   | 2.36  | 25.6  | 2.9   | 115.4 | 7.2   | 70    | 2.3   | 5.6   | 6.3   | 42    | 0.69  | 0.075  |
| STD DS8             | Standard | 12.9  | 106.7 | 125.3 | 313   | 1.8   | 36.7  | 7.2   | 595   | 2.43  | 27.5  | 2.8   | 117.1 | 7.0   | 70    | 2.3   | 5.8   | 6.7   | 41    | 0.71  | 0.079  |
| STD DS8             | Standard | 10.7  | 96.6  | 124.3 | 266   | 1.5   | 32.9  | 6.5   | 542   | 2.16  | 23.3  | 2.9   | 103.3 | 6.7   | 63    | 1.8   | 5.2   | 6.8   | 36    | 0.57  | 0.067  |
| STD DS8             | Standard | 12.6  | 103.9 | 123.7 | 293   | 1.8   | 37.1  | 7.3   | 575   | 2.32  | 25.0  | 2.8   | 106.4 | 6.9   | 68    | 2.4   | 5.7   | 6.4   | 39    | 0.66  | 0.075  |
| STD DS8             | Standard | 13.7  | 114.2 | 129.5 | 314   | 1.8   | 39.3  | 7.9   | 628   | 2.45  | 26.1  | 3.0   | 112.3 | 7.1   | 73    | 2.7   | 5.4   | 7.0   | 41    | 0.72  | 0.085  |
| STD DS8             | Standard | 12.7  | 105.3 | 125.1 | 303   | 1.7   | 36.1  | 7.3   | 590   | 2.39  | 25.8  | 2.7   | 117.9 | 6.5   | 76    | 2.1   | 5.8   | 6.8   | 40    | 0.68  | 0.077  |
| STD DS8             | Standard | 13.4  | 109.1 | 126.2 | 309   | 1.8   | 38.1  | 7.6   | 616   | 2.42  | 26.7  | 2.8   | 103.2 | 6.8   | 75    | 2.4   | 6.2   | 7.2   | 41    | 0.70  | 0.081  |
| STD DS8             | Standard | 12.0  | 107.7 | 127.0 | 299   | 1.7   | 35.0  | 7.2   | 590   | 2.31  | 25.2  | 3.0   | 107.1 | 7.4   | 63    | 2.3   | 4.5   | 5.0   | 40    | 0.66  | 0.074  |
| STD DS8 Expected    |          | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Project: Mariposa

Report Date: December 07, 2011

Page: 2 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11001369.1

|                     |          | 1DX15<br>La<br>ppm<br>1 | 1DX15<br>Cr<br>ppm<br>1 | 1DX15<br>Mg<br>%<br>0.01 | 1DX15<br>Ba<br>ppm<br>1 | 1DX15<br>Ti<br>%<br>0.001 | 1DX15<br>B<br>ppm<br>1 | 1DX15<br>Al<br>%<br>0.01 | 1DX15<br>Na<br>%<br>0.001 | 1DX15<br>K<br>%<br>0.01 | 1DX15<br>W<br>ppm<br>0.1 | 1DX15<br>Hg<br>ppm<br>0.01 | 1DX15<br>Sc<br>ppm<br>0.1 | 1DX15<br>Ti<br>ppm<br>0.1 | 1DX15<br>S<br>%<br>0.05 | 1DX15<br>Ga<br>ppm<br>1 | 1DX15<br>Se<br>ppm<br>0.5 | 1DX15<br>Te<br>ppm<br>0.2 |
|---------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| 11YM0139            | Soil     | 11                      | 27                      | 0.96                     | 258                     | 0.109                     | 1                      | 1.72                     | 0.019                     | 0.25                    | 0.1                      | 0.03                       | 7.0                       | 0.1                       | 0.06                    | 6                       | <0.5                      | <0.2                      |
| REP 11YM0139        | QC       | 12                      | 28                      | 0.99                     | 270                     | 0.110                     | <1                     | 1.75                     | 0.018                     | 0.25                    | 0.1                      | 0.04                       | 7.1                       | 0.1                       | <0.05                   | 7                       | <0.5                      | <0.2                      |
| Reference Materials |          |                         |                         |                          |                         |                           |                        |                          |                           |                         |                          |                            |                           |                           |                         |                         |                           |                           |
| STD DS8             | Standard | 15                      | 102                     | 0.55                     | 254                     | 0.104                     | 3                      | 0.80                     | 0.091                     | 0.35                    | 2.8                      | 0.18                       | 1.9                       | 4.9                       | 0.13                    | 4                       | 4.1                       | 5.4                       |
| STD DS8             | Standard | 17                      | 116                     | 0.61                     | 271                     | 0.130                     | 2                      | 0.92                     | 0.087                     | 0.40                    | 3.0                      | 0.19                       | 2.5                       | 5.3                       | 0.16                    | 5                       | 5.4                       | 4.5                       |
| STD DS8             | Standard | 17                      | 119                     | 0.60                     | 276                     | 0.132                     | 3                      | 0.94                     | 0.099                     | 0.42                    | 3.0                      | 0.21                       | 2.4                       | 5.4                       | 0.16                    | 5                       | 4.5                       | 4.7                       |
| STD DS8             | Standard | 16                      | 116                     | 0.61                     | 284                     | 0.121                     | 3                      | 0.92                     | 0.117                     | 0.44                    | 3.0                      | 0.19                       | 2.4                       | 5.5                       | 0.20                    | 5                       | 5.7                       | 4.9                       |
| STD DS8             | Standard | 13                      | 100                     | 0.56                     | 237                     | 0.095                     | 2                      | 0.84                     | 0.080                     | 0.35                    | 2.8                      | 0.19                       | 1.9                       | 5.2                       | 0.14                    | 4                       | 4.4                       | 4.0                       |
| STD DS8             | Standard | 16                      | 109                     | 0.60                     | 275                     | 0.112                     | 5                      | 0.90                     | 0.085                     | 0.40                    | 2.9                      | 0.18                       | 2.1                       | 5.3                       | 0.14                    | 4                       | 4.9                       | 5.3                       |
| STD DS8             | Standard | 15                      | 119                     | 0.64                     | 272                     | 0.126                     | 2                      | 1.00                     | 0.089                     | 0.44                    | 3.0                      | 0.20                       | 3.0                       | 5.7                       | 0.07                    | 5                       | 5.3                       | 5.0                       |
| STD DS8             | Standard | 15                      | 113                     | 0.64                     | 276                     | 0.112                     | 3                      | 0.88                     | 0.101                     | 0.41                    | 3.0                      | 0.21                       | 2.7                       | 5.3                       | 0.14                    | 5                       | 4.2                       | 4.6                       |
| STD DS8             | Standard | 16                      | 114                     | 0.61                     | 280                     | 0.129                     | 4                      | 0.93                     | 0.091                     | 0.41                    | 2.9                      | 0.18                       | 2.3                       | 5.2                       | 0.15                    | 5                       | 5.6                       | 5.0                       |
| STD DS8             | Standard | 14                      | 112                     | 0.58                     | 283                     | 0.108                     | 3                      | 0.92                     | 0.084                     | 0.45                    | 2.8                      | 0.24                       | 2.3                       | 5.3                       | 0.11                    | 5                       | 4.5                       | 5.1                       |
| STD DS8 Expected    |          | 14.6                    | 115                     | 0.6045                   | 279                     | 0.113                     | 2.6                    | 0.93                     | 0.0883                    | 0.41                    | 3                        | 0.192                      | 2.3                       | 5.4                       | 0.1679                  | 4.7                     | 5.23                      | 5                         |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |
| BLK                 | Blank    | <1                      | <1                      | <0.01                    | <1                      | <0.001                    | <1                     | <0.01                    | <0.001                    | <0.01                   | <0.1                     | <0.01                      | <0.1                      | <0.1                      | <0.05                   | <1                      | <0.5                      | <0.2                      |



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**Project:** Mariposa  
**Report Date:** October 25, 2011

**Page:** 5 of 5 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001368.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11JM0650 | Soil                             | 13    | 8     | 1.09  | 196   | 0.127 | <1    | 3.64  | 0.010 | 0.49  | <0.1  | <0.01 | 3.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0651 | Soil                             | 16    | 12    | 1.54  | 213   | 0.221 | <1    | 3.30  | 0.008 | 0.41  | <0.1  | <0.01 | 3.4   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11JM0652 | Soil                             | 24    | 21    | 0.72  | 182   | 0.103 | <1    | 2.46  | 0.009 | 0.18  | <0.1  | 0.01  | 2.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0653 | Soil                             | 16    | 27    | 0.62  | 187   | 0.088 | 1     | 1.87  | 0.014 | 0.09  | <0.1  | 0.02  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0654 | Soil                             | 18    | 28    | 0.62  | 173   | 0.121 | 1     | 2.22  | 0.010 | 0.10  | 0.1   | 0.01  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0655 | Soil                             | 14    | 27    | 0.65  | 164   | 0.113 | 1     | 1.88  | 0.011 | 0.07  | 0.1   | 0.01  | 2.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0656 | Soil                             | 13    | 33    | 0.72  | 253   | 0.106 | <1    | 1.72  | 0.015 | 0.06  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11BH0559 | Soil                             | 24    | 20    | 0.56  | 312   | 0.099 | <1    | 1.51  | 0.016 | 0.09  | <0.1  | 0.03  | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0560 | Soil                             | 20    | 21    | 0.58  | 341   | 0.103 | <1    | 1.61  | 0.013 | 0.16  | 0.1   | 0.03  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0561 | Soil                             | 19    | 30    | 1.16  | 218   | 0.138 | 1     | 2.20  | 0.016 | 0.37  | 0.1   | 0.03  | 5.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0562 | Soil                             | 9     | 18    | 1.47  | 384   | 0.149 | <1    | 2.71  | 0.009 | 0.89  | <0.1  | 0.01  | 4.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0563 | Soil                             | 9     | 29    | 0.75  | 149   | 0.111 | 1     | 1.80  | 0.011 | 0.22  | <0.1  | <0.01 | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0564 | Soil                             | 19    | 22    | 0.91  | 382   | 0.080 | 2     | 1.58  | 0.021 | 0.11  | <0.1  | 0.04  | 4.1   | <0.1  | 0.07  | 4     | <0.5  | <0.2  |
| 11BH0565 | Soil                             | 48    | 20    | 1.54  | 210   | 0.007 | 1     | 3.27  | 0.006 | 0.17  | <0.1  | 0.03  | 22.9  | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11BH0566 | Soil                             | 27    | 15    | 0.42  | 421   | 0.026 | 2     | 0.96  | 0.020 | 0.10  | 0.2   | 0.05  | 3.9   | <0.1  | 0.08  | 3     | <0.5  | <0.2  |
| 11BH0567 | Soil                             | 25    | 23    | 0.67  | 187   | 0.069 | 1     | 1.97  | 0.011 | 0.30  | <0.1  | 0.02  | 5.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0568 | Soil                             | 7     | 10    | 0.67  | 157   | 0.005 | <1    | 1.95  | 0.006 | 0.16  | <0.1  | 0.02  | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0569 | Soil                             | 13    | 29    | 0.98  | 417   | 0.114 | <1    | 2.13  | 0.012 | 0.21  | <0.1  | 0.02  | 5.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0570 | Soil                             | 47    | 16    | 0.70  | 387   | 0.052 | 2     | 1.74  | 0.017 | 0.21  | <0.1  | 0.03  | 7.1   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11BH0571 | Soil                             | 15    | 23    | 1.41  | 216   | 0.046 | 2     | 2.46  | 0.011 | 0.10  | <0.1  | <0.01 | 6.4   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11BH0572 | Soil                             | 10    | 20    | 1.02  | 244   | 0.017 | 1     | 2.16  | 0.007 | 0.17  | <0.1  | <0.01 | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0573 | Soil                             | 25    | 29    | 1.90  | 395   | 0.013 | 1     | 3.32  | 0.007 | 0.18  | <0.1  | 0.01  | 9.1   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0574 | Soil                             | 15    | 28    | 0.98  | 244   | 0.108 | 1     | 2.13  | 0.013 | 0.38  | 0.1   | 0.01  | 5.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa

Report Date: October 25, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001368.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11BH0498            | Soil                             | 0.7   | 31.6  | 7.6   | 53    | <0.1  | 22.6  | 11.0  | 410   | 2.80  | 6.8   | 0.8   | 1.9   | 2.8   | 33    | 0.1   | 0.4   | 0.2   | 70    | 0.52  | 0.051  |
| REP 11BH0498        | QC                               | 0.7   | 30.1  | 7.5   | 54    | <0.1  | 22.9  | 11.2  | 402   | 2.83  | 6.6   | 0.8   | 3.1   | 2.7   | 34    | <0.1  | 0.4   | 0.2   | 68    | 0.54  | 0.052  |
| 11BH0515            | Soil                             | 0.4   | 26.5  | 5.9   | 87    | <0.1  | 10.9  | 21.7  | 802   | 5.23  | 3.4   | 1.0   | <0.5  | 12.4  | 53    | <0.1  | 0.1   | <0.1  | 110   | 0.46  | 0.055  |
| REP 11BH0515        | QC                               | 0.5   | 25.7  | 5.9   | 85    | <0.1  | 11.1  | 21.8  | 762   | 5.19  | 3.3   | 1.0   | <0.5  | 12.7  | 52    | <0.1  | 0.2   | <0.1  | 109   | 0.45  | 0.056  |
| 11BH0529            | Soil                             | 0.6   | 12.0  | 4.6   | 68    | <0.1  | 7.0   | 19.3  | 823   | 4.42  | 3.5   | 0.6   | <0.5  | 5.7   | 19    | <0.1  | 0.1   | <0.1  | 102   | 0.43  | 0.086  |
| REP 11BH0529        | QC                               | 0.6   | 11.9  | 4.7   | 69    | <0.1  | 7.1   | 19.6  | 812   | 4.42  | 3.4   | 0.6   | 0.5   | 5.8   | 19    | <0.1  | <0.1  | <0.1  | 101   | 0.43  | 0.087  |
| 11BH0544            | Soil                             | 0.4   | 9.1   | 6.2   | 67    | <0.1  | 6.9   | 11.1  | 494   | 3.50  | 3.6   | 0.5   | 0.7   | 6.0   | 16    | <0.1  | 0.4   | <0.1  | 63    | 0.22  | 0.052  |
| REP 11BH0544        | QC                               | 0.3   | 8.7   | 6.0   | 66    | <0.1  | 7.1   | 10.9  | 491   | 3.46  | 3.5   | 0.5   | 0.6   | 5.7   | 16    | <0.1  | 0.3   | <0.1  | 62    | 0.23  | 0.054  |
| 11JM0647            | Soil                             | 0.3   | 20.5  | 7.0   | 60    | <0.1  | 14.4  | 11.4  | 561   | 2.89  | 5.1   | 1.0   | 1.5   | 6.3   | 70    | <0.1  | 0.2   | <0.1  | 49    | 0.73  | 0.071  |
| REP 11JM0647        | QC                               | 0.3   | 20.1  | 7.0   | 57    | <0.1  | 13.4  | 10.9  | 543   | 2.74  | 4.7   | 1.0   | 1.9   | 6.4   | 69    | <0.1  | 0.2   | <0.1  | 47    | 0.71  | 0.072  |
| 11BH0567            | Soil                             | 0.9   | 19.7  | 7.8   | 61    | <0.1  | 15.5  | 12.8  | 485   | 3.50  | 6.7   | 1.4   | 1.1   | 11.1  | 23    | <0.1  | 0.4   | <0.1  | 58    | 0.29  | 0.020  |
| REP 11BH0567        | QC                               | 0.9   | 19.9  | 8.1   | 62    | <0.1  | 15.9  | 12.8  | 492   | 3.65  | 7.2   | 1.5   | 1.8   | 11.2  | 24    | <0.1  | 0.5   | <0.1  | 59    | 0.30  | 0.020  |
| 11BH0574            | Soil                             | 0.7   | 19.2  | 7.9   | 66    | <0.1  | 17.8  | 15.6  | 614   | 3.83  | 6.9   | 0.6   | 3.8   | 10.1  | 29    | <0.1  | 0.5   | 0.1   | 74    | 0.42  | 0.025  |
| REP 11BH0574        | QC                               | 0.8   | 18.9  | 8.1   | 65    | <0.1  | 18.5  | 15.9  | 623   | 3.80  | 7.5   | 0.7   | 2.0   | 9.7   | 30    | <0.1  | 0.5   | 0.1   | 76    | 0.41  | 0.024  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 14.0  | 114.0 | 124.2 | 319   | 1.8   | 39.5  | 7.9   | 626   | 2.50  | 26.1  | 2.6   | 119.5 | 6.6   | 68    | 2.2   | 5.6   | 6.5   | 44    | 0.67  | 0.085  |
| STD DS8             | Standard                         | 12.9  | 123.0 | 121.8 | 318   | 1.7   | 37.5  | 7.4   | 606   | 2.40  | 25.3  | 3.2   | 107.7 | 8.0   | 73    | 2.4   | 6.4   | 7.6   | 42    | 0.70  | 0.077  |
| STD DS8             | Standard                         | 13.2  | 119.4 | 122.0 | 321   | 1.9   | 39.3  | 8.1   | 646   | 2.57  | 26.6  | 2.9   | 116.2 | 6.7   | 72    | 2.5   | 6.0   | 6.6   | 45    | 0.72  | 0.082  |
| STD DS8             | Standard                         | 11.9  | 100.1 | 114.1 | 276   | 1.6   | 34.2  | 6.8   | 528   | 2.16  | 22.3  | 2.6   | 101.1 | 6.6   | 63    | 2.1   | 5.3   | 6.3   | 37    | 0.60  | 0.068  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Project: Mariposa

Report Date: October 25, 2011

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001368.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11BH0498            | Soil                             | 13    | 38    | 0.67   | 331   | 0.086  | 1     | 2.14  | 0.020  | 0.05  | 0.2   | 0.03  | 5.4   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11BH0498        | QC                               | 13    | 37    | 0.68   | 334   | 0.084  | <1    | 2.14  | 0.019  | 0.06  | 0.3   | 0.02  | 5.5   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| 11BH0515            | Soil                             | 21    | 17    | 1.67   | 424   | 0.065  | 1     | 3.16  | 0.009  | 0.17  | <0.1  | <0.01 | 5.9   | <0.1  | <0.05  | 9     | <0.5  | <0.2  |
| REP 11BH0515        | QC                               | 22    | 17    | 1.64   | 434   | 0.066  | 2     | 3.24  | 0.009  | 0.17  | <0.1  | <0.01 | 6.0   | <0.1  | <0.05  | 9     | <0.5  | <0.2  |
| 11BH0529            | Soil                             | 4     | 13    | 1.48   | 400   | 0.268  | <1    | 2.75  | 0.007  | 1.14  | <0.1  | <0.01 | 2.4   | 0.3   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11BH0529        | QC                               | 4     | 13    | 1.45   | 390   | 0.257  | <1    | 2.69  | 0.007  | 1.16  | <0.1  | <0.01 | 2.4   | 0.3   | <0.05  | 9     | <0.5  | <0.2  |
| 11BH0544            | Soil                             | 6     | 14    | 0.92   | 265   | 0.188  | <1    | 1.97  | 0.007  | 0.92  | 0.2   | <0.01 | 2.4   | 0.3   | <0.05  | 6     | <0.5  | <0.2  |
| REP 11BH0544        | QC                               | 5     | 14    | 0.90   | 259   | 0.183  | <1    | 1.92  | 0.007  | 0.90  | 0.2   | <0.01 | 2.5   | 0.3   | <0.05  | 6     | <0.5  | <0.2  |
| 11JM0647            | Soil                             | 15    | 20    | 0.72   | 259   | 0.137  | 1     | 1.77  | 0.015  | 0.13  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11JM0647        | QC                               | 15    | 19    | 0.70   | 250   | 0.134  | <1    | 1.71  | 0.014  | 0.13  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| 11BH0567            | Soil                             | 25    | 23    | 0.67   | 187   | 0.069  | 1     | 1.97  | 0.011  | 0.30  | <0.1  | 0.02  | 5.5   | 0.1   | <0.05  | 5     | <0.5  | <0.2  |
| REP 11BH0567        | QC                               | 25    | 23    | 0.68   | 188   | 0.073  | 1     | 2.00  | 0.011  | 0.32  | <0.1  | 0.03  | 5.5   | 0.1   | <0.05  | 5     | <0.5  | <0.2  |
| 11BH0574            | Soil                             | 15    | 28    | 0.98   | 244   | 0.108  | 1     | 2.13  | 0.013  | 0.38  | 0.1   | 0.01  | 5.3   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| REP 11BH0574        | QC                               | 15    | 29    | 0.99   | 247   | 0.109  | 1     | 2.18  | 0.013  | 0.38  | 0.1   | 0.02  | 5.0   | 0.1   | <0.05  | 6     | 0.5   | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 15    | 121   | 0.61   | 279   | 0.118  | 3     | 0.93  | 0.092  | 0.43  | 3.0   | 0.17  | 2.3   | 5.3   | 0.17   | 5     | 5.8   | 4.9   |
| STD DS8             | Standard                         | 17    | 116   | 0.61   | 271   | 0.130  | 2     | 0.92  | 0.087  | 0.40  | 3.0   | 0.19  | 2.5   | 5.3   | 0.16   | 5     | 5.4   | 4.5   |
| STD DS8             | Standard                         | 17    | 121   | 0.66   | 301   | 0.133  | 3     | 0.99  | 0.104  | 0.47  | 3.2   | 0.20  | 2.8   | 5.5   | 0.16   | 5     | 5.7   | 5.4   |
| STD DS8             | Standard                         | 14    | 106   | 0.54   | 252   | 0.111  | 2     | 0.80  | 0.084  | 0.37  | 2.5   | 0.18  | 2.1   | 4.8   | 0.13   | 4     | 4.2   | 4.1   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 29, 2011

Report Date: December 07, 2011

Page: 1 of 11

## CERTIFICATE OF ANALYSIS

WHI11001369.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-34  
P.O. Number  
Number of Samples: 281

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 277               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 277               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 277               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 277               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: December 07, 2011

Page: 2 of 11 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| 11MS0001 | Soil                             | 0.9   | 24.2  | 10.4  | 107   | <0.1  | 15.9  | 11.9  | 394   | 3.71  | 7.2   | 0.5   | 1.0   | 2.9   | 12    | 0.2   | 0.3   | 0.2   | 82    | 0.20  | 0.068 |
| 11MS0002 | Soil                             | 0.9   | 37.3  | 9.4   | 112   | <0.1  | 16.4  | 16.6  | 544   | 3.96  | 5.6   | 0.5   | <0.5  | 3.0   | 10    | <0.1  | 0.3   | 0.1   | 92    | 0.28  | 0.096 |
| 11MS0003 | Soil                             | 0.9   | 36.5  | 9.7   | 101   | <0.1  | 21.3  | 12.5  | 503   | 3.80  | 8.5   | 0.4   | 1.9   | 2.9   | 14    | 0.2   | 0.4   | 0.2   | 78    | 0.22  | 0.065 |
| 11MS0004 | Soil                             | 1.1   | 39.1  | 10.2  | 71    | <0.1  | 18.5  | 11.0  | 268   | 3.25  | 9.2   | 0.8   | 2.2   | 3.8   | 13    | <0.1  | 0.5   | 0.2   | 70    | 0.17  | 0.051 |
| 11MS0005 | Soil                             | 0.4   | 76.3  | 3.6   | 145   | <0.1  | 15.1  | 16.7  | 682   | 4.31  | 1.8   | 0.6   | 2.9   | 2.6   | 17    | <0.1  | 0.3   | 0.1   | 85    | 0.44  | 0.133 |
| 11MS0006 | Soil                             | 60.5  | 110.0 | 21.0  | 75    | 1.4   | 5.5   | 3.7   | 343   | 4.22  | 36.1  | 1.7   | 0.9   | 8.7   | 34    | 0.1   | 0.6   | 2.5   | 48    | 0.09  | 0.070 |
| 11MS0007 | Soil                             | 2.8   | 24.8  | 19.5  | 74    | 0.3   | 14.9  | 10.2  | 995   | 3.17  | 7.7   | 0.4   | 1.0   | 3.1   | 24    | 0.5   | 0.4   | 0.3   | 65    | 0.24  | 0.033 |
| 11MS0008 | Soil                             | 3.0   | 41.1  | 24.2  | 116   | 0.1   | 21.0  | 10.2  | 487   | 3.70  | 16.4  | 0.7   | <0.5  | 3.6   | 21    | 0.4   | 0.5   | 0.2   | 64    | 0.21  | 0.028 |
| 11MS0009 | Soil                             | 1.0   | 39.3  | 10.2  | 92    | <0.1  | 20.4  | 14.0  | 645   | 3.47  | 8.0   | 0.7   | 11.3  | 3.6   | 22    | <0.1  | 0.5   | 0.2   | 74    | 0.30  | 0.038 |
| 11MS0010 | Soil                             | 0.8   | 16.6  | 9.9   | 85    | <0.1  | 12.0  | 13.1  | 580   | 3.62  | 4.5   | 0.6   | 1.6   | 4.5   | 12    | <0.1  | 0.2   | <0.1  | 66    | 0.20  | 0.045 |
| 11MS0011 | Soil                             | 0.8   | 27.8  | 7.8   | 91    | <0.1  | 14.7  | 16.4  | 473   | 4.45  | 4.9   | 0.5   | 1.5   | 2.9   | 8     | <0.1  | 0.2   | 0.1   | 125   | 0.15  | 0.045 |
| 11MS0012 | Soil                             | 1.0   | 34.7  | 18.6  | 84    | <0.1  | 19.8  | 13.4  | 443   | 3.37  | 6.3   | 0.6   | 6.6   | 4.2   | 20    | <0.1  | 0.3   | 0.1   | 80    | 0.32  | 0.035 |
| 11MS0013 | Soil                             | 0.5   | 36.6  | 26.5  | 103   | <0.1  | 7.8   | 15.0  | 452   | 4.46  | 2.7   | 0.5   | 1.9   | 2.2   | 14    | <0.1  | 0.1   | <0.1  | 108   | 0.39  | 0.113 |
| 11MS0014 | Soil                             | 0.9   | 20.8  | 5.1   | 91    | <0.1  | 7.3   | 11.0  | 478   | 3.99  | 2.2   | 0.4   | 1.4   | 1.9   | 13    | <0.1  | 0.1   | <0.1  | 79    | 0.35  | 0.084 |
| 11MS0015 | Soil                             | 0.8   | 22.3  | 5.9   | 100   | <0.1  | 8.1   | 13.0  | 415   | 4.36  | 2.7   | 0.4   | 0.8   | 0.9   | 18    | <0.1  | 0.1   | 0.1   | 86    | 0.51  | 0.125 |
| 11MS0016 | Soil                             | 0.9   | 35.6  | 10.9  | 100   | 0.2   | 14.3  | 15.0  | 553   | 4.08  | 3.0   | 1.0   | 7.7   | 2.7   | 23    | 0.1   | 0.2   | 0.1   | 95    | 0.67  | 0.104 |
| 11MS0017 | Soil                             | 0.9   | 24.4  | 8.8   | 98    | 0.2   | 15.7  | 12.2  | 533   | 3.54  | 4.0   | 0.9   | 3.2   | 2.7   | 37    | <0.1  | 0.2   | 0.1   | 71    | 0.81  | 0.124 |
| 11MS0018 | Soil                             | 1.5   | 26.9  | 12.5  | 108   | <0.1  | 12.4  | 15.3  | 652   | 4.51  | 13.7  | 0.5   | 4.1   | 1.8   | 27    | 0.1   | 0.2   | 0.1   | 97    | 0.59  | 0.123 |
| 11MS0019 | Soil                             | 0.7   | 24.2  | 8.4   | 82    | 0.1   | 28.0  | 13.5  | 549   | 3.49  | 4.2   | 1.0   | 2.2   | 2.6   | 42    | <0.1  | 0.2   | <0.1  | 76    | 0.75  | 0.112 |
| 11MS0020 | Soil                             | 0.9   | 24.5  | 12.3  | 70    | 0.2   | 49.5  | 14.5  | 431   | 3.24  | 4.7   | 1.1   | 1.4   | 3.1   | 59    | <0.1  | 0.2   | <0.1  | 75    | 0.76  | 0.143 |
| 11MS0021 | Soil                             | 0.8   | 20.9  | 8.6   | 74    | 0.1   | 53.3  | 15.0  | 418   | 3.41  | 5.4   | 0.7   | 0.7   | 2.8   | 52    | <0.1  | 0.1   | <0.1  | 75    | 0.67  | 0.143 |
| 11MS0022 | Soil                             | 1.0   | 22.9  | 8.6   | 77    | 0.2   | 37.4  | 13.7  | 415   | 3.71  | 43.8  | 0.7   | 1.3   | 2.2   | 30    | <0.1  | 0.1   | 0.1   | 87    | 0.51  | 0.097 |
| 11MS0023 | Soil                             | 1.0   | 17.3  | 6.2   | 78    | 0.1   | 25.9  | 11.7  | 395   | 3.65  | 110.5 | 0.4   | 2.7   | 1.8   | 32    | <0.1  | 0.1   | <0.1  | 75    | 0.49  | 0.102 |
| 11MS0024 | Soil                             | 0.9   | 20.6  | 7.7   | 84    | <0.1  | 18.8  | 12.6  | 522   | 3.79  | 18.6  | 0.5   | 1.4   | 2.2   | 28    | <0.1  | 0.1   | 0.1   | 74    | 0.41  | 0.103 |
| 11MS0025 | Soil                             | 1.4   | 21.3  | 9.5   | 100   | <0.1  | 12.0  | 11.0  | 613   | 4.43  | 36.6  | 0.4   | 1.6   | 1.7   | 22    | 0.1   | 0.2   | 0.2   | 78    | 0.44  | 0.113 |
| 11MS0026 | Soil                             | 1.3   | 24.0  | 13.8  | 92    | 0.2   | 13.6  | 12.8  | 510   | 3.77  | 6.7   | 1.1   | 3.1   | 2.3   | 32    | 0.2   | 0.2   | 0.2   | 89    | 0.79  | 0.097 |
| 11MS0027 | Soil                             | 1.1   | 29.2  | 7.4   | 84    | 0.3   | 14.1  | 14.9  | 514   | 3.75  | 8.4   | 1.1   | 4.7   | 2.7   | 30    | 0.1   | 0.2   | 0.1   | 79    | 0.55  | 0.076 |
| 11MS0028 | Soil                             | 1.3   | 32.6  | 13.7  | 65    | 0.2   | 18.6  | 13.6  | 362   | 3.25  | 7.3   | 0.6   | 2.7   | 1.8   | 22    | <0.1  | 0.2   | 0.1   | 61    | 0.49  | 0.060 |
| 11MS0029 | Soil                             | 1.4   | 24.2  | 10.9  | 54    | <0.1  | 16.1  | 12.0  | 276   | 3.19  | 8.7   | 0.4   | 3.7   | 2.1   | 19    | <0.1  | 0.3   | 0.1   | 66    | 0.28  | 0.046 |
| 11MS0030 | Soil                             | 1.0   | 20.6  | 9.5   | 56    | 0.1   | 14.6  | 9.5   | 243   | 3.09  | 7.3   | 0.6   | 3.7   | 2.7   | 19    | <0.1  | 0.3   | 0.1   | 71    | 0.28  | 0.039 |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0001 | Soil                             | 10    | 32    | 0.89  | 168   | 0.135 | 2     | 2.28  | 0.014 | 0.18  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 8     | 0.7   | <0.2  |
| 11MS0002 | Soil                             | 10    | 31    | 1.43  | 232   | 0.160 | 2     | 2.53  | 0.017 | 0.42  | 0.1   | 0.02  | 5.2   | 0.2   | <0.05 | 9     | 0.5   | <0.2  |
| 11MS0003 | Soil                             | 9     | 37    | 1.02  | 196   | 0.131 | 2     | 2.42  | 0.014 | 0.20  | 0.2   | 0.02  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0004 | Soil                             | 13    | 34    | 0.75  | 205   | 0.088 | 2     | 2.15  | 0.012 | 0.08  | 0.2   | 0.03  | 4.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0005 | Soil                             | 30    | 29    | 2.09  | 386   | 0.144 | <1    | 2.39  | 0.020 | 0.48  | 0.2   | 0.01  | 11.6  | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0006 | Soil                             | 21    | 13    | 0.74  | 249   | 0.135 | 1     | 1.70  | 0.072 | 0.70  | <0.1  | 0.01  | 6.9   | 0.4   | 0.54  | 7     | 0.5   | 4.6   |
| 11MS0007 | Soil                             | 11    | 27    | 0.60  | 459   | 0.101 | 2     | 1.94  | 0.015 | 0.17  | 0.1   | 0.03  | 3.9   | 0.1   | 0.08  | 6     | <0.5  | 0.5   |
| 11MS0008 | Soil                             | 11    | 36    | 1.10  | 290   | 0.149 | <1    | 2.21  | 0.013 | 0.36  | 0.1   | 0.02  | 6.7   | 0.2   | 0.07  | 7     | <0.5  | 0.5   |
| 11MS0009 | Soil                             | 16    | 30    | 1.30  | 295   | 0.115 | 2     | 2.09  | 0.016 | 0.11  | 0.1   | 0.04  | 9.9   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0010 | Soil                             | 12    | 18    | 1.08  | 264   | 0.139 | <1    | 1.87  | 0.011 | 0.56  | <0.1  | 0.01  | 9.0   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0011 | Soil                             | 9     | 22    | 1.50  | 263   | 0.147 | 1     | 2.51  | 0.016 | 0.59  | <0.1  | 0.01  | 9.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0012 | Soil                             | 17    | 27    | 1.15  | 257   | 0.137 | 1     | 2.03  | 0.022 | 0.24  | 0.1   | 0.02  | 6.5   | 0.1   | 0.06  | 7     | <0.5  | <0.2  |
| 11MS0013 | Soil                             | 10    | 16    | 1.60  | 287   | 0.184 | 1     | 2.47  | 0.020 | 1.00  | <0.1  | <0.01 | 8.3   | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0014 | Soil                             | 6     | 13    | 1.19  | 305   | 0.221 | <1    | 2.13  | 0.015 | 1.01  | 0.2   | <0.01 | 5.2   | 0.4   | 0.06  | 8     | <0.5  | <0.2  |
| 11MS0015 | Soil                             | 7     | 11    | 1.15  | 350   | 0.289 | 2     | 2.51  | 0.013 | 1.00  | 0.1   | 0.01  | 3.1   | 0.4   | 0.06  | 7     | 0.6   | <0.2  |
| 11MS0016 | Soil                             | 18    | 25    | 1.33  | 375   | 0.170 | <1    | 2.40  | 0.021 | 0.62  | 0.1   | 0.04  | 9.4   | 0.2   | 0.06  | 8     | 0.6   | <0.2  |
| 11MS0017 | Soil                             | 16    | 27    | 1.02  | 377   | 0.114 | 1     | 2.15  | 0.015 | 0.30  | 0.1   | 0.07  | 5.6   | 0.1   | 0.08  | 7     | 0.5   | <0.2  |
| 11MS0018 | Soil                             | 8     | 21    | 1.23  | 405   | 0.266 | <1    | 2.71  | 0.017 | 0.87  | <0.1  | 0.01  | 3.8   | 0.3   | 0.06  | 8     | <0.5  | <0.2  |
| 11MS0019 | Soil                             | 14    | 40    | 1.20  | 445   | 0.199 | 1     | 2.07  | 0.017 | 0.29  | 0.1   | 0.04  | 3.9   | 0.2   | 0.09  | 7     | 0.7   | <0.2  |
| 11MS0020 | Soil                             | 20    | 68    | 1.37  | 448   | 0.194 | <1    | 2.00  | 0.018 | 0.21  | <0.1  | 0.03  | 4.1   | 0.2   | 0.09  | 7     | <0.5  | <0.2  |
| 11MS0021 | Soil                             | 16    | 71    | 1.60  | 388   | 0.225 | <1    | 2.06  | 0.017 | 0.31  | 0.1   | 0.02  | 3.2   | 0.2   | 0.08  | 7     | <0.5  | <0.2  |
| 11MS0022 | Soil                             | 12    | 51    | 1.41  | 400   | 0.246 | <1    | 2.10  | 0.018 | 0.49  | <0.1  | 0.01  | 3.8   | 0.3   | 0.09  | 8     | 0.5   | <0.2  |
| 11MS0023 | Soil                             | 9     | 40    | 1.37  | 316   | 0.223 | 1     | 2.24  | 0.018 | 0.56  | 0.1   | 0.01  | 2.8   | 0.3   | 0.06  | 7     | <0.5  | <0.2  |
| 11MS0024 | Soil                             | 10    | 29    | 1.27  | 321   | 0.211 | <1    | 2.18  | 0.012 | 0.73  | 0.1   | <0.01 | 3.7   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0025 | Soil                             | 7     | 20    | 1.29  | 256   | 0.190 | <1    | 2.27  | 0.014 | 0.75  | 0.1   | <0.01 | 3.8   | 0.5   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0026 | Soil                             | 15    | 23    | 1.03  | 417   | 0.152 | 2     | 2.00  | 0.015 | 0.31  | <0.1  | 0.04  | 6.0   | 0.3   | 0.06  | 7     | 0.6   | <0.2  |
| 11MS0027 | Soil                             | 13    | 24    | 1.12  | 371   | 0.195 | <1    | 2.13  | 0.016 | 0.46  | 0.1   | 0.03  | 5.0   | 0.3   | 0.06  | 7     | 0.6   | <0.2  |
| 11MS0028 | Soil                             | 9     | 46    | 0.86  | 222   | 0.118 | 1     | 1.82  | 0.022 | 0.26  | <0.1  | 0.02  | 3.8   | 0.2   | <0.05 | 6     | 0.7   | <0.2  |
| 11MS0029 | Soil                             | 8     | 36    | 0.62  | 176   | 0.102 | <1    | 1.80  | 0.018 | 0.11  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0030 | Soil                             | 10    | 25    | 0.80  | 234   | 0.143 | <1    | 2.01  | 0.017 | 0.13  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |





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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11MS0031 | Soil                             | 1.1        | 19.3       | 10.0       | 59       | 0.1        | 16.4       | 9.0        | 324      | 2.92      | 8.1        | 0.7        | 2.0        | 2.6        | 22       | <0.1       | 0.2        | 0.1        | 65       | 0.34      | 0.049      |
| 11MS0032 | Soil                             | 1.3        | 25.5       | 11.0       | 64       | 0.3        | 13.4       | 10.2       | 300      | 2.94      | 6.5        | 0.9        | 1.6        | 2.5        | 21       | <0.1       | 0.2        | 0.1        | 64       | 0.33      | 0.042      |
| 11MS0033 | Soil                             | 0.9        | 21.5       | 7.8        | 64       | 0.1        | 12.2       | 11.9       | 423      | 2.88      | 6.4        | 0.6        | 2.5        | 2.3        | 19       | <0.1       | 0.2        | <0.1       | 61       | 0.35      | 0.061      |
| 11MS0034 | Soil                             | 1.3        | 28.0       | 12.2       | 60       | 0.2        | 16.7       | 10.5       | 361      | 2.84      | 6.7        | 0.7        | 4.1        | 2.8        | 29       | <0.1       | 0.2        | 0.1        | 61       | 0.50      | 0.049      |
| 11MS0035 | Soil                             | 0.7        | 22.5       | 5.1        | 65       | <0.1       | 10.1       | 9.3        | 375      | 2.64      | 4.2        | 0.4        | 3.0        | 2.1        | 21       | <0.1       | 0.1        | <0.1       | 46       | 0.41      | 0.080      |
| 11MS0036 | Soil                             | 0.7        | 19.5       | 8.0        | 62       | <0.1       | 11.4       | 9.3        | 357      | 2.66      | 4.0        | 0.4        | 2.0        | 2.2        | 19       | <0.1       | 0.2        | <0.1       | 45       | 0.32      | 0.061      |
| 11MS0037 | Soil                             | 0.5        | 34.6       | 6.7        | 87       | <0.1       | 10.6       | 15.3       | 430      | 2.98      | 3.5        | 0.5        | 1.7        | 2.0        | 21       | <0.1       | 0.1        | <0.1       | 61       | 0.52      | 0.156      |
| 11MS0038 | Soil                             | 1.1        | 18.5       | 10.5       | 51       | <0.1       | 11.5       | 8.1        | 333      | 2.20      | 5.3        | 0.6        | 6.4        | 2.1        | 23       | <0.1       | 0.2        | 0.2        | 50       | 0.28      | 0.055      |
| 11MS0039 | Soil                             | 0.8        | 14.8       | 9.4        | 61       | <0.1       | 11.9       | 8.6        | 272      | 2.58      | 6.1        | 0.5        | 2.9        | 2.6        | 18       | <0.1       | 0.2        | 0.1        | 53       | 0.25      | 0.060      |
| 11MS0040 | Soil                             | 1.0        | 18.2       | 14.6       | 49       | <0.1       | 24.1       | 9.7        | 319      | 2.58      | 7.6        | 0.7        | 2.6        | 3.3        | 26       | <0.1       | 0.3        | 0.2        | 57       | 0.31      | 0.052      |
| 11MS0041 | Soil                             | 1.0        | 31.3       | 15.9       | 65       | 0.1        | 32.3       | 12.8       | 491      | 2.87      | 5.7        | 1.9        | 4.2        | 5.4        | 49       | <0.1       | 0.2        | 0.1        | 62       | 0.65      | 0.105      |
| 11MS0042 | Soil                             | 2.0        | 45.0       | 104.0      | 137      | 0.3        | 21.4       | 20.5       | 1193     | 5.38      | 48.6       | 2.1        | 2.3        | 13.2       | 33       | 0.2        | 0.4        | 0.9        | 55       | 0.52      | 0.120      |
| 11MS0043 | Soil                             | 3.2        | 21.6       | 20.7       | 98       | 0.2        | 13.8       | 10.2       | 550      | 3.00      | 10.9       | 3.5        | 2.5        | 14.5       | 30       | 0.1        | 0.2        | 0.1        | 27       | 0.41      | 0.083      |
| 11MS0044 | Soil                             | 1.8        | 21.1       | 22.5       | 64       | <0.1       | 16.2       | 9.8        | 317      | 2.65      | 9.7        | 2.7        | 1.3        | 10.5       | 24       | <0.1       | 0.3        | 0.2        | 42       | 0.30      | 0.046      |
| 11MS0045 | Soil                             | 1.6        | 11.7       | 16.3       | 69       | 0.3        | 10.5       | 7.5        | 355      | 2.79      | 7.6        | 0.6        | 2.0        | 2.8        | 15       | <0.1       | 0.4        | 0.2        | 63       | 0.14      | 0.047      |
| 11MS0046 | Soil                             | 0.9        | 16.7       | 19.6       | 51       | <0.1       | 14.6       | 7.8        | 255      | 1.99      | 5.9        | 2.2        | 4.6        | 7.7        | 24       | <0.1       | 0.4        | 0.2        | 37       | 0.20      | 0.033      |
| 11MS0047 | Soil                             | 1.8        | 18.6       | 37.5       | 71       | <0.1       | 8.5        | 8.5        | 392      | 2.56      | 13.6       | 1.9        | 0.9        | 12.5       | 17       | <0.1       | 0.4        | 0.6        | 23       | 0.12      | 0.028      |
| 11MS0048 | Soil                             | 2.4        | 22.9       | 1145       | 417      | 0.3        | 5.5        | 12.0       | 619      | 3.25      | 53.6       | 3.5        | 6.9        | 16.1       | 66       | 0.5        | 0.3        | 1.9        | 12       | 0.09      | 0.051      |
| 11MS0049 | Soil                             | 3.2        | 12.6       | 346.4      | 66       | 1.4        | 2.3        | 1.2        | 81       | 6.28      | 62.5       | 2.4        | 11.4       | 26.3       | 104      | <0.1       | 0.2        | 17.9       | 6        | 0.06      | 0.057      |
| 11MS0050 | Soil                             | 2.4        | 16.3       | 125.0      | 53       | 0.8        | 5.8        | 1.8        | 89       | 2.54      | 24.3       | 4.1        | 7.0        | 6.5        | 32       | 0.2        | 0.2        | 6.2        | 21       | 0.10      | 0.052      |
| 11MS0051 | Soil                             | 2.0        | 20.1       | 76.8       | 60       | 0.5        | 7.7        | 2.4        | 90       | 2.41      | 18.7       | 3.7        | 5.3        | 7.2        | 36       | 0.2        | 0.2        | 3.4        | 22       | 0.14      | 0.046      |
| 11MS0052 | Soil                             | 1.8        | 19.5       | 80.2       | 100      | 0.4        | 12.1       | 3.9        | 153      | 2.67      | 21.9       | 3.1        | 3.7        | 8.5        | 65       | 0.3        | 0.3        | 5.3        | 24       | 0.18      | 0.051      |
| 11MS0053 | Soil                             | 1.7        | 80.9       | 55.3       | 159      | 0.6        | 17.5       | 11.8       | 391      | 2.71      | 10.9       | 5.0        | 6.9        | 11.9       | 47       | 0.5        | 1.3        | 2.7        | 28       | 0.36      | 0.065      |
| 11MS0054 | Soil                             | 1.5        | 19.6       | 61.6       | 125      | 0.3        | 21.1       | 9.8        | 549      | 2.32      | 8.8        | 3.1        | 2.4        | 5.6        | 51       | 0.5        | 0.3        | 0.3        | 34       | 0.78      | 0.061      |
| 11MS0055 | Soil                             | 0.7        | 15.7       | 5.8        | 84       | <0.1       | 14.3       | 11.7       | 569      | 3.81      | 7.4        | 0.7        | 1.5        | 4.0        | 26       | <0.1       | 0.3        | <0.1       | 85       | 0.50      | 0.113      |
| 11MS0056 | Soil                             | 0.9        | 30.2       | 11.0       | 58       | 0.1        | 26.3       | 11.8       | 368      | 2.69      | 5.8        | 1.2        | 15.7       | 3.3        | 33       | <0.1       | 0.2        | 0.1        | 53       | 0.52      | 0.083      |
| 11MS0057 | Soil                             | 1.6        | 34.7       | 8.4        | 79       | 0.1        | 15.0       | 14.7       | 438      | 3.53      | 7.9        | 1.3        | 2.7        | 4.1        | 25       | 0.1        | 0.2        | 0.1        | 66       | 0.41      | 0.082      |
| 11MS0058 | Soil                             | 0.9        | 22.7       | 10.2       | 48       | 0.1        | 12.5       | 8.8        | 355      | 2.23      | 4.1        | 0.9        | 3.3        | 2.6        | 22       | <0.1       | 0.2        | <0.1       | 42       | 0.37      | 0.074      |
| 11MS0059 | Soil                             | 0.9        | 27.9       | 7.7        | 58       | 0.1        | 17.2       | 11.1       | 423      | 2.93      | 4.6        | 1.0        | 2.6        | 3.0        | 34       | 0.1        | 0.2        | 0.1        | 64       | 0.49      | 0.059      |
| 11MS0060 | Soil                             | 0.8        | 28.6       | 9.2        | 61       | <0.1       | 28.6       | 13.5       | 492      | 3.14      | 4.4        | 1.0        | 1.9        | 4.0        | 42       | <0.1       | 0.2        | 0.1        | 72       | 0.59      | 0.088      |



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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0031 | Soil                             | 12    | 27    | 0.72  | 259   | 0.114 | 2     | 1.69  | 0.012 | 0.11  | 0.1   | 0.04  | 3.3   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11MS0032 | Soil                             | 11    | 30    | 0.77  | 272   | 0.134 | 2     | 1.91  | 0.017 | 0.15  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0033 | Soil                             | 8     | 24    | 0.79  | 195   | 0.143 | <1    | 1.70  | 0.012 | 0.26  | 0.1   | 0.01  | 2.6   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0034 | Soil                             | 11    | 37    | 0.71  | 250   | 0.111 | 1     | 1.81  | 0.016 | 0.14  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11MS0035 | Soil                             | 5     | 23    | 0.91  | 156   | 0.153 | <1    | 1.71  | 0.011 | 0.48  | <0.1  | 0.01  | 1.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0036 | Soil                             | 6     | 25    | 0.76  | 169   | 0.113 | 1     | 1.55  | 0.010 | 0.33  | <0.1  | 0.01  | 2.2   | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| 11MS0037 | Soil                             | 8     | 20    | 1.23  | 322   | 0.159 | 2     | 1.88  | 0.011 | 0.51  | <0.1  | 0.02  | 5.3   | 0.2   | 0.05  | 7     | <0.5  | <0.2  |
| 11MS0038 | Soil                             | 10    | 21    | 0.59  | 313   | 0.092 | 2     | 1.35  | 0.009 | 0.17  | 0.1   | 0.02  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0039 | Soil                             | 8     | 21    | 0.67  | 205   | 0.086 | 1     | 1.54  | 0.010 | 0.12  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0040 | Soil                             | 12    | 41    | 0.70  | 304   | 0.085 | <1    | 1.68  | 0.011 | 0.06  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0041 | Soil                             | 24    | 54    | 1.11  | 483   | 0.122 | 2     | 1.83  | 0.014 | 0.13  | 0.1   | 0.03  | 5.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0042 | Soil                             | 24    | 28    | 1.04  | 838   | 0.009 | 1     | 2.01  | 0.008 | 0.09  | 0.1   | 0.02  | 5.3   | <0.1  | 0.06  | 8     | 0.8   | 0.3   |
| 11MS0043 | Soil                             | 27    | 22    | 0.65  | 257   | 0.097 | 1     | 1.15  | 0.011 | 0.33  | 0.1   | <0.01 | 2.7   | 0.3   | 0.10  | 4     | 0.7   | 0.2   |
| 11MS0044 | Soil                             | 24    | 25    | 0.51  | 324   | 0.046 | <1    | 1.47  | 0.015 | 0.09  | <0.1  | 0.02  | 3.7   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11MS0045 | Soil                             | 8     | 23    | 0.45  | 166   | 0.076 | 1     | 1.45  | 0.008 | 0.08  | 0.1   | 0.01  | 2.0   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11MS0046 | Soil                             | 21    | 21    | 0.44  | 141   | 0.065 | <1    | 1.29  | 0.010 | 0.10  | <0.1  | 0.01  | 2.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0047 | Soil                             | 20    | 12    | 0.32  | 104   | 0.044 | <1    | 1.15  | 0.024 | 0.10  | <0.1  | <0.01 | 2.2   | 0.1   | 0.08  | 3     | <0.5  | 0.3   |
| 11MS0048 | Soil                             | 29    | 9     | 0.10  | 77    | 0.025 | <1    | 0.89  | 0.046 | 0.08  | 0.1   | 0.02  | 1.6   | 0.1   | 0.21  | 2     | 2.3   | 3.0   |
| 11MS0049 | Soil                             | 65    | 5     | 0.07  | 92    | 0.022 | 1     | 0.40  | 0.289 | 0.53  | 0.1   | <0.01 | 1.0   | 0.4   | 2.00  | 2     | 7.0   | 8.5   |
| 11MS0050 | Soil                             | 29    | 12    | 0.20  | 141   | 0.017 | 1     | 1.35  | 0.026 | 0.07  | <0.1  | 0.06  | 1.8   | 0.1   | 0.14  | 4     | 1.5   | 0.9   |
| 11MS0051 | Soil                             | 23    | 12    | 0.18  | 171   | 0.013 | 1     | 1.51  | 0.015 | 0.05  | <0.1  | 0.04  | 2.1   | <0.1  | 0.08  | 4     | 1.8   | 0.6   |
| 11MS0052 | Soil                             | 33    | 19    | 0.34  | 139   | 0.040 | <1    | 1.22  | 0.054 | 0.05  | <0.1  | 0.03  | 2.2   | <0.1  | 0.21  | 4     | 1.9   | 0.9   |
| 11MS0053 | Soil                             | 46    | 24    | 0.49  | 208   | 0.057 | <1    | 1.36  | 0.016 | 0.07  | <0.1  | 0.04  | 3.1   | 0.1   | 0.06  | 4     | 2.4   | 0.4   |
| 11MS0054 | Soil                             | 28    | 31    | 0.55  | 371   | 0.035 | 2     | 1.22  | 0.011 | 0.05  | 0.1   | 0.04  | 3.0   | <0.1  | 0.05  | 4     | 0.8   | <0.2  |
| 11MS0055 | Soil                             | 13    | 19    | 1.00  | 401   | 0.076 | <1    | 1.68  | 0.013 | 0.23  | <0.1  | <0.01 | 9.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0056 | Soil                             | 19    | 41    | 0.84  | 377   | 0.060 | <1    | 1.50  | 0.014 | 0.07  | 0.1   | 0.04  | 5.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0057 | Soil                             | 16    | 24    | 0.84  | 272   | 0.086 | 1     | 1.80  | 0.013 | 0.25  | 0.1   | 0.03  | 7.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0058 | Soil                             | 12    | 22    | 0.55  | 185   | 0.066 | <1    | 1.29  | 0.011 | 0.11  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0059 | Soil                             | 16    | 27    | 0.70  | 331   | 0.084 | 1     | 1.77  | 0.012 | 0.10  | <0.1  | 0.04  | 6.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0060 | Soil                             | 16    | 45    | 0.99  | 291   | 0.092 | 1     | 1.69  | 0.019 | 0.12  | 0.1   | 0.02  | 6.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11MS0061 | Soil                             | 0.8   | 27.7  | 19.1  | 54    | <0.1  | 45.1  | 16.3  | 553   | 3.00  | 4.7   | 1.0   | 1.8   | 4.3   | 45    | <0.1  | 0.2   | 0.1   | 63    | 0.60  |
| 11MS0062 | Soil                             | 0.6   | 41.5  | 8.1   | 57    | 0.2   | 25.7  | 11.0  | 556   | 2.57  | 3.9   | 1.5   | 3.0   | 2.3   | 95    | 0.3   | 0.4   | 0.1   | 62    | 1.73  |
| 11MS0063 | Soil                             | 1.7   | 37.2  | 15.1  | 81    | 0.1   | 30.3  | 19.6  | 894   | 5.32  | 6.8   | 1.0   | 3.3   | 4.7   | 71    | 0.1   | 0.3   | 0.4   | 113   | 2.40  |
| 11MS0064 | Soil                             | 2.2   | 67.3  | 9.5   | 84    | <0.1  | 65.3  | 26.0  | 1065  | 5.46  | 7.1   | 0.4   | 2.0   | 1.5   | 32    | <0.1  | 0.2   | <0.1  | 109   | 0.68  |
| 11MS0065 | Soil                             | 1.2   | 23.1  | 11.4  | 55    | <0.1  | 32.1  | 15.7  | 418   | 3.21  | 6.7   | 0.3   | 0.9   | 1.8   | 15    | <0.1  | 0.4   | 0.1   | 74    | 0.18  |
| 11MS0066 | Soil                             | 0.8   | 26.6  | 8.2   | 93    | <0.1  | 14.6  | 15.9  | 498   | 3.84  | 5.7   | 0.5   | 1.4   | 2.5   | 19    | <0.1  | 0.2   | 0.1   | 76    | 0.29  |
| 11MS0067 | Soil                             | 1.1   | 15.0  | 10.9  | 69    | <0.1  | 14.4  | 14.0  | 518   | 3.49  | 5.6   | 0.7   | 2.6   | 3.0   | 32    | <0.1  | 0.3   | 0.2   | 63    | 0.35  |
| 11MS0068 | Soil                             | 0.8   | 21.4  | 6.6   | 83    | <0.1  | 14.4  | 14.4  | 393   | 2.67  | 7.4   | 0.5   | 3.9   | 2.3   | 35    | <0.1  | 0.2   | <0.1  | 45    | 0.36  |
| 11MS0069 | Soil                             | 1.2   | 23.1  | 7.8   | 67    | <0.1  | 9.4   | 10.1  | 351   | 2.48  | 9.0   | 0.6   | 2.5   | 1.3   | 20    | <0.1  | 0.3   | 0.1   | 60    | 0.22  |
| 11MS0070 | Soil                             | 1.3   | 22.4  | 7.7   | 76    | 0.2   | 12.1  | 14.7  | 801   | 2.65  | 3.9   | 1.0   | 2.8   | 2.0   | 42    | <0.1  | 0.2   | 0.1   | 58    | 0.60  |
| 11MS0071 | Soil                             | 0.5   | 35.2  | 6.4   | 59    | 0.2   | 11.1  | 12.4  | 710   | 1.99  | 3.0   | 2.3   | 8.5   | 2.0   | 82    | 0.2   | 0.2   | <0.1  | 42    | 1.50  |
| 11MS0072 | Soil                             | 0.9   | 38.0  | 6.5   | 87    | <0.1  | 14.4  | 14.0  | 479   | 3.29  | 6.0   | 0.8   | 2.2   | 3.6   | 32    | 0.1   | 0.2   | <0.1  | 68    | 0.63  |
| 11MS0073 | Soil                             | 0.8   | 22.3  | 7.9   | 86    | 0.1   | 14.2  | 14.5  | 646   | 3.49  | 8.1   | 1.0   | 3.2   | 2.8   | 33    | 0.2   | 0.2   | 0.2   | 69    | 0.57  |
| 11MS0074 | Soil                             | 1.0   | 35.8  | 10.3  | 79    | 0.3   | 17.5  | 17.4  | 963   | 3.54  | 14.2  | 1.2   | 4.2   | 2.6   | 37    | 0.3   | 0.2   | 0.2   | 74    | 0.73  |
| 11MS0075 | Soil                             | 0.9   | 24.0  | 7.9   | 78    | 0.1   | 18.1  | 13.8  | 543   | 3.25  | 8.4   | 0.9   | 2.2   | 2.3   | 33    | 0.1   | 0.2   | 0.1   | 66    | 0.55  |
| 11MS0076 | Soil                             | 0.9   | 24.4  | 7.9   | 81    | 0.2   | 23.5  | 14.7  | 591   | 3.18  | 8.6   | 1.1   | 3.1   | 2.6   | 39    | 0.1   | 0.2   | 0.1   | 61    | 0.65  |
| 11MS0077 | Soil                             | 0.6   | 38.4  | 8.4   | 73    | 0.3   | 77.3  | 17.6  | 661   | 3.14  | 5.0   | 1.6   | 5.5   | 5.1   | 164   | 0.2   | 0.2   | 0.1   | 61    | 1.53  |
| 11MS0078 | Soil                             | 0.8   | 25.8  | 8.5   | 71    | <0.1  | 13.1  | 13.3  | 379   | 3.48  | 4.7   | 0.4   | 2.2   | 1.6   | 16    | <0.1  | 0.1   | <0.1  | 74    | 0.37  |
| 11MS0079 | Soil                             | 0.8   | 16.1  | 3.7   | 54    | <0.1  | 6.7   | 8.0   | 272   | 2.45  | 3.4   | 0.5   | 5.2   | 2.7   | 12    | <0.1  | <0.1  | <0.1  | 44    | 0.23  |
| 11MS0080 | Soil                             | 0.8   | 22.7  | 6.4   | 49    | <0.1  | 11.8  | 9.5   | 364   | 2.57  | 4.9   | 0.5   | 1.7   | 3.0   | 17    | <0.1  | 0.2   | <0.1  | 39    | 0.29  |
| 11MS0081 | Soil                             | 0.5   | 23.9  | 4.0   | 68    | <0.1  | 8.9   | 13.2  | 352   | 3.14  | 2.9   | 0.3   | <0.5  | 1.3   | 17    | <0.1  | <0.1  | <0.1  | 73    | 0.31  |
| 11MS0082 | Soil                             | 0.5   | 15.0  | 4.2   | 59    | <0.1  | 7.6   | 11.4  | 331   | 2.75  | 3.1   | 0.3   | 0.7   | 1.2   | 24    | <0.1  | 0.1   | <0.1  | 61    | 0.30  |
| 11MS0083 | Soil                             | 0.8   | 13.1  | 7.5   | 58    | <0.1  | 9.2   | 8.0   | 272   | 2.29  | 4.4   | 0.3   | 1.4   | 1.4   | 17    | <0.1  | 0.2   | <0.1  | 45    | 0.20  |
| 11MS0084 | Soil                             | 0.6   | 16.3  | 4.4   | 102   | <0.1  | 8.6   | 10.9  | 417   | 3.21  | 3.5   | 0.2   | <0.5  | 1.1   | 23    | <0.1  | 0.1   | <0.1  | 57    | 0.31  |
| 11MS0085 | Soil                             | 0.6   | 16.5  | 3.4   | 92    | <0.1  | 8.5   | 10.6  | 434   | 3.00  | 3.1   | 0.3   | 0.9   | 1.1   | 23    | <0.1  | <0.1  | <0.1  | 58    | 0.31  |
| 11MS0086 | Soil                             | 0.6   | 15.3  | 7.2   | 68    | <0.1  | 10.8  | 9.9   | 365   | 2.63  | 4.5   | 0.3   | 0.7   | 1.8   | 25    | <0.1  | 0.2   | <0.1  | 57    | 0.36  |
| 11MS0087 | Soil                             | 0.6   | 24.0  | 6.1   | 73    | <0.1  | 13.4  | 12.1  | 468   | 3.11  | 4.9   | 0.2   | 0.9   | 1.6   | 38    | <0.1  | 0.2   | <0.1  | 75    | 0.51  |
| 11MS0088 | Soil                             | 0.6   | 13.7  | 13.0  | 70    | <0.1  | 14.5  | 11.1  | 410   | 2.90  | 4.9   | 0.3   | 1.5   | 1.8   | 34    | <0.1  | 0.2   | <0.1  | 65    | 0.60  |
| 11MS0089 | Soil                             | 1.7   | 28.5  | 6.1   | 83    | <0.1  | 10.1  | 10.5  | 464   | 4.05  | 4.4   | 0.4   | 0.8   | 1.5   | 16    | <0.1  | 0.2   | <0.1  | 63    | 0.32  |
| 11MS0090 | Soil                             | 0.8   | 31.8  | 6.4   | 71    | <0.1  | 10.1  | 14.1  | 423   | 3.72  | 5.0   | 0.2   | 0.6   | 1.2   | 19    | <0.1  | 0.2   | <0.1  | 88    | 0.46  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0061 | Soil                             | 15    | 72    | 1.16  | 257   | 0.095 | 1     | 1.69  | 0.016 | 0.08  | 0.1   | 0.02  | 5.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0062 | Soil                             | 19    | 25    | 0.58  | 419   | 0.042 | 2     | 1.18  | 0.015 | 0.07  | 0.2   | 0.06  | 8.7   | 0.1   | <0.05 | 4     | 1.1   | <0.2  |
| 11MS0063 | Soil                             | 18    | 28    | 0.84  | 404   | 0.033 | 3     | 1.55  | 0.013 | 0.16  | 0.2   | 0.04  | 15.0  | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| 11MS0064 | Soil                             | 7     | 91    | 1.68  | 335   | 0.048 | <1    | 2.63  | 0.017 | 0.19  | <0.1  | 0.01  | 11.2  | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0065 | Soil                             | 6     | 50    | 0.84  | 182   | 0.101 | <1    | 2.21  | 0.018 | 0.06  | 0.1   | 0.01  | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0066 | Soil                             | 10    | 22    | 1.25  | 204   | 0.091 | 1     | 2.21  | 0.010 | 0.20  | 0.1   | 0.03  | 7.9   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0067 | Soil                             | 13    | 22    | 1.03  | 314   | 0.061 | 1     | 2.17  | 0.010 | 0.10  | 0.1   | 0.02  | 5.7   | 0.2   | 0.05  | 8     | <0.5  | <0.2  |
| 11MS0068 | Soil                             | 11    | 18    | 1.01  | 238   | 0.054 | <1    | 1.73  | 0.010 | 0.07  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0069 | Soil                             | 13    | 16    | 0.66  | 172   | 0.044 | 1     | 1.45  | 0.009 | 0.06  | <0.1  | 0.03  | 3.6   | <0.1  | 0.05  | 7     | <0.5  | <0.2  |
| 11MS0070 | Soil                             | 16    | 21    | 0.75  | 378   | 0.050 | 2     | 1.50  | 0.012 | 0.09  | <0.1  | 0.07  | 5.6   | <0.1  | 0.09  | 7     | 0.6   | <0.2  |
| 11MS0071 | Soil                             | 42    | 16    | 0.53  | 585   | 0.052 | 2     | 1.15  | 0.016 | 0.10  | <0.1  | 0.10  | 6.6   | 0.1   | 0.15  | 4     | 0.8   | <0.2  |
| 11MS0072 | Soil                             | 13    | 32    | 0.82  | 356   | 0.086 | <1    | 1.54  | 0.014 | 0.18  | <0.1  | 0.02  | 4.6   | 0.1   | 0.06  | 7     | <0.5  | <0.2  |
| 11MS0073 | Soil                             | 17    | 24    | 0.89  | 309   | 0.086 | 4     | 1.55  | 0.014 | 0.15  | 0.1   | 0.03  | 5.5   | 0.1   | 0.08  | 6     | <0.5  | <0.2  |
| 11MS0074 | Soil                             | 20    | 28    | 0.90  | 382   | 0.093 | 4     | 1.66  | 0.013 | 0.15  | 0.1   | 0.04  | 6.7   | 0.2   | 0.08  | 6     | <0.5  | <0.2  |
| 11MS0075 | Soil                             | 13    | 32    | 1.00  | 291   | 0.143 | 2     | 1.76  | 0.014 | 0.24  | 0.1   | 0.04  | 4.4   | 0.2   | 0.06  | 6     | <0.5  | <0.2  |
| 11MS0076 | Soil                             | 15    | 36    | 1.00  | 345   | 0.145 | <1    | 1.81  | 0.016 | 0.26  | 0.1   | 0.03  | 3.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0077 | Soil                             | 42    | 83    | 1.67  | 749   | 0.163 | 3     | 2.06  | 0.023 | 0.33  | <0.1  | 0.05  | 5.3   | 0.2   | 0.07  | 7     | <0.5  | <0.2  |
| 11MS0078 | Soil                             | 6     | 23    | 1.14  | 284   | 0.203 | 2     | 2.02  | 0.015 | 0.77  | 0.1   | 0.01  | 3.3   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0079 | Soil                             | 5     | 9     | 0.65  | 180   | 0.159 | <1    | 1.44  | 0.009 | 0.55  | <0.1  | <0.01 | 2.3   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0080 | Soil                             | 8     | 16    | 0.74  | 211   | 0.161 | 2     | 1.55  | 0.009 | 0.50  | <0.1  | 0.02  | 2.0   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0081 | Soil                             | 4     | 13    | 1.02  | 211   | 0.214 | <1    | 1.82  | 0.012 | 0.65  | 0.2   | <0.01 | 2.6   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0082 | Soil                             | 4     | 16    | 0.95  | 189   | 0.223 | <1    | 1.72  | 0.012 | 0.64  | 0.1   | <0.01 | 1.7   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0083 | Soil                             | 5     | 14    | 0.69  | 213   | 0.149 | 1     | 1.43  | 0.009 | 0.44  | 0.1   | <0.01 | 1.5   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0084 | Soil                             | 3     | 16    | 1.16  | 237   | 0.219 | 2     | 2.14  | 0.010 | 0.72  | <0.1  | <0.01 | 1.6   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0085 | Soil                             | 3     | 15    | 1.17  | 245   | 0.270 | <1    | 2.02  | 0.010 | 0.87  | 0.2   | <0.01 | 1.6   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0086 | Soil                             | 6     | 17    | 0.87  | 275   | 0.196 | 1     | 1.74  | 0.013 | 0.44  | 0.1   | 0.01  | 1.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0087 | Soil                             | 7     | 18    | 1.24  | 269   | 0.240 | <1    | 2.18  | 0.018 | 0.42  | <0.1  | 0.01  | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0088 | Soil                             | 6     | 23    | 1.04  | 342   | 0.157 | <1    | 1.94  | 0.018 | 0.43  | <0.1  | 0.01  | 2.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0089 | Soil                             | 4     | 12    | 0.88  | 298   | 0.251 | <1    | 1.92  | 0.022 | 0.77  | 0.1   | 0.01  | 4.3   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0090 | Soil                             | 3     | 14    | 1.04  | 297   | 0.180 | <1    | 2.15  | 0.019 | 0.57  | <0.1  | <0.01 | 2.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
| 11MS0091 | Soil                             | 0.8   | 17.0  | 10.2  | 67    | 0.1   | 14.2  | 10.4  | 599   | 2.78  | 4.7   | 0.5   | 12.3  | 1.8   | 26    | 0.1   | 0.2   | 0.1   | 62    | 0.55  |
| 11MS0092 | Soil                             | 0.4   | 17.4  | 9.4   | 73    | <0.1  | 15.5  | 11.2  | 385   | 2.70  | 5.5   | 0.8   | 2.6   | 2.8   | 33    | <0.1  | 0.2   | <0.1  | 57    | 0.65  |
| 11MS0093 | Soil                             | 0.2   | 15.4  | 4.6   | 98    | <0.1  | 10.9  | 13.3  | 405   | 2.96  | 2.7   | 0.3   | <0.5  | 1.1   | 34    | <0.1  | 0.1   | <0.1  | 59    | 0.57  |
| 11MS0094 | Soil                             | 0.9   | 20.6  | 6.5   | 81    | <0.1  | 12.9  | 14.5  | 644   | 4.19  | 5.7   | 0.2   | <0.5  | 1.1   | 17    | <0.1  | 0.3   | 0.1   | 110   | 0.19  |
| 11MS0095 | Soil                             | 1.3   | 5.1   | 2.9   | 58    | <0.1  | 9.7   | 17.5  | 230   | 2.81  | <0.5  | 0.7   | 0.7   | 4.2   | 10    | <0.1  | <0.1  | <0.1  | 33    | 0.23  |
| 11MS0096 | Soil                             | 2.3   | 29.9  | 8.7   | 65    | <0.1  | 26.0  | 17.9  | 773   | 3.43  | 4.0   | 1.0   | 1.8   | 2.2   | 48    | 0.3   | 0.2   | <0.1  | 64    | 0.87  |
| 11MS0097 | Soil                             | 2.0   | 30.1  | 11.2  | 78    | <0.1  | 19.5  | 15.3  | 501   | 3.70  | 5.0   | 0.5   | 2.3   | 3.2   | 20    | <0.1  | 0.2   | <0.1  | 68    | 0.36  |
| 11MS0098 | Soil                             | 1.0   | 20.2  | 6.8   | 113   | 0.1   | 10.7  | 16.2  | 754   | 4.85  | 3.8   | 0.4   | 1.5   | 2.6   | 27    | 0.2   | 0.2   | <0.1  | 128   | 0.44  |
| 11MS0099 | Soil                             | 0.8   | 17.0  | 6.7   | 118   | <0.1  | 11.0  | 19.9  | 658   | 4.71  | 4.7   | 0.6   | 0.9   | 3.5   | 12    | <0.1  | 0.3   | <0.1  | 132   | 0.20  |
| 11MS0100 | Soil                             | 0.7   | 13.5  | 7.4   | 86    | <0.1  | 14.1  | 15.0  | 389   | 3.90  | 6.0   | 0.4   | 1.7   | 2.5   | 17    | <0.1  | 0.3   | <0.1  | 109   | 0.26  |
| 11MS0101 | Soil                             | 0.7   | 10.7  | 14.5  | 79    | <0.1  | 15.0  | 12.7  | 778   | 3.87  | 4.7   | 0.4   | 1.9   | 3.1   | 23    | <0.1  | 0.3   | <0.1  | 83    | 0.31  |
| 11YM0102 | Soil                             | 1.1   | 15.5  | 7.2   | 74    | <0.1  | 11.4  | 10.2  | 386   | 3.91  | 4.6   | 0.5   | 2.5   | 2.5   | 20    | <0.1  | 0.2   | <0.1  | 58    | 0.47  |
| 11MS0103 | Soil                             | 0.7   | 9.0   | 6.4   | 90    | <0.1  | 17.0  | 14.7  | 681   | 4.36  | 9.7   | 0.9   | <0.5  | 4.3   | 35    | <0.1  | 0.5   | <0.1  | 98    | 0.54  |
| 11MS0104 | Soil                             | 0.8   | 16.8  | 11.2  | 64    | 0.1   | 18.1  | 11.3  | 571   | 3.37  | 6.3   | 0.7   | 1.8   | 3.9   | 27    | 0.1   | 0.3   | 0.1   | 66    | 0.33  |
| 11MS0105 | Soil                             | 0.6   | 39.5  | 27.6  | 64    | <0.1  | 75.6  | 16.3  | 398   | 3.38  | 6.7   | 1.6   | 1.1   | 10.5  | 68    | <0.1  | 0.3   | 0.2   | 71    | 0.63  |
| 11MS0106 | Soil                             | 0.5   | 32.7  | 7.6   | 70    | 0.2   | 18.2  | 12.4  | 513   | 3.29  | 4.8   | 1.3   | 3.9   | 4.1   | 39    | 0.2   | 0.2   | 0.1   | 73    | 0.63  |
| 11MS0107 | Soil                             | 1.0   | 39.4  | 11.2  | 76    | 0.2   | 33.0  | 15.3  | 638   | 3.36  | 5.6   | 1.5   | 4.3   | 3.3   | 44    | 0.2   | 0.3   | 0.1   | 71    | 0.64  |
| 11MS0108 | Soil                             | 1.3   | 31.1  | 10.2  | 68    | 0.2   | 20.7  | 16.0  | 811   | 3.15  | 4.9   | 1.3   | 4.2   | 3.0   | 29    | 0.2   | 0.2   | 0.1   | 64    | 0.40  |
| 11MS0109 | Soil                             | 1.3   | 26.0  | 10.2  | 63    | 0.1   | 18.2  | 16.8  | 873   | 2.66  | 2.8   | 1.0   | 2.2   | 2.3   | 34    | 0.1   | 0.2   | 0.1   | 53    | 0.53  |
| 11MS0110 | Soil                             | 1.7   | 44.1  | 49.2  | 121   | 0.4   | 19.9  | 7.4   | 249   | 2.44  | 11.7  | 3.3   | 5.6   | 4.1   | 47    | 0.5   | 0.6   | 1.6   | 35    | 0.40  |
| 11MS0111 | Soil                             | 1.1   | 14.9  | 69.8  | 66    | 0.4   | 11.5  | 3.0   | 102   | 2.10  | 14.5  | 2.2   | 3.7   | 2.9   | 32    | 0.2   | 0.2   | 2.8   | 25    | 0.19  |
| 11MS0112 | Soil                             | 1.0   | 15.8  | 105.3 | 60    | 0.4   | 12.4  | 3.0   | 79    | 2.01  | 20.2  | 2.4   | 5.6   | 1.8   | 30    | 0.4   | 0.2   | 3.2   | 15    | 0.19  |
| 11MS0113 | Soil                             | 2.4   | 24.4  | 169.5 | 185   | 0.5   | 20.4  | 5.1   | 175   | 3.28  | 38.5  | 3.5   | 7.8   | 8.8   | 62    | 0.5   | 0.3   | 3.2   | 33    | 0.21  |
| 11MS0114 | Soil                             | 2.1   | 21.2  | 175.8 | 93    | 0.6   | 6.0   | 2.4   | 90    | 2.55  | 32.5  | 3.2   | 7.8   | 2.7   | 32    | 0.5   | 0.3   | 3.3   | 23    | 0.15  |
| 11MS0115 | Soil                             | 1.7   | 15.5  | 34.8  | 161   | 0.2   | 7.8   | 8.6   | 324   | 2.92  | 12.0  | 2.7   | 3.1   | 7.3   | 38    | 0.2   | 0.2   | 0.5   | 35    | 0.13  |
| 11MS0116 | Soil                             | 0.9   | 21.5  | 18.1  | 81    | 0.3   | 10.3  | 6.5   | 398   | 2.12  | 4.7   | 2.3   | 1.6   | 0.3   | 30    | 0.5   | 0.2   | 0.2   | 37    | 0.27  |
| 11MS0117 | Soil                             | 1.9   | 38.0  | 8.3   | 105   | 0.2   | 52.1  | 22.2  | 867   | 4.96  | 4.7   | 1.4   | 2.5   | 7.1   | 73    | 0.2   | 0.5   | 0.3   | 93    | 0.78  |
| 11MS0118 | Soil                             | 1.1   | 15.7  | 11.0  | 74    | <0.1  | 14.3  | 9.7   | 325   | 2.64  | 4.7   | 2.2   | 2.3   | 10.3  | 27    | <0.1  | 0.2   | 0.1   | 37    | 0.31  |
| 11MS0119 | Soil                             | 1.1   | 18.3  | 11.6  | 91    | <0.1  | 29.4  | 12.8  | 420   | 3.05  | 3.5   | 1.9   | 1.7   | 11.2  | 50    | 0.1   | 0.2   | 0.1   | 39    | 0.46  |
| 11MS0120 | Soil                             | 1.2   | 18.1  | 13.9  | 78    | 0.2   | 21.6  | 11.5  | 430   | 3.11  | 5.8   | 2.4   | 3.8   | 7.2   | 43    | 0.1   | 0.3   | 0.2   | 43    | 0.31  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 11MS0091 | Soil                             | 9     | 20    | 0.77  | 325   | 0.141 | <1    | 1.91  | 0.013 | 0.17  | <0.1  | 0.02  | 2.7   | 0.1   | <0.05 | 5     | <0.5  |
| 11MS0092 | Soil                             | 13    | 23    | 1.08  | 236   | 0.147 | <1    | 1.74  | 0.022 | 0.30  | <0.1  | 0.03  | 3.8   | 0.2   | <0.05 | 5     | <0.5  |
| 11MS0093 | Soil                             | 5     | 15    | 1.55  | 265   | 0.205 | <1    | 2.01  | 0.010 | 0.50  | <0.1  | <0.01 | 1.6   | 0.2   | <0.05 | 6     | <0.5  |
| 11MS0094 | Soil                             | 4     | 21    | 1.15  | 376   | 0.270 | <1    | 2.46  | 0.014 | 0.54  | 0.1   | 0.01  | 2.0   | 0.3   | <0.05 | 7     | <0.5  |
| 11MS0095 | Soil                             | 12    | 10    | 0.37  | 100   | 0.055 | <1    | 0.67  | 0.005 | 0.16  | 0.1   | <0.01 | 2.3   | 0.2   | <0.05 | 3     | <0.5  |
| 11MS0096 | Soil                             | 17    | 28    | 0.64  | 333   | 0.047 | <1    | 1.36  | 0.013 | 0.11  | 0.1   | 0.04  | 7.7   | <0.1  | <0.05 | 4     | <0.5  |
| 11MS0097 | Soil                             | 11    | 28    | 0.79  | 264   | 0.119 | 2     | 1.94  | 0.015 | 0.41  | <0.1  | 0.02  | 5.5   | 0.2   | <0.05 | 6     | <0.5  |
| 11MS0098 | Soil                             | 8     | 18    | 1.47  | 337   | 0.202 | 3     | 2.51  | 0.011 | 0.69  | <0.1  | 0.02  | 13.5  | 0.3   | <0.05 | 10    | <0.5  |
| 11MS0099 | Soil                             | 12    | 17    | 1.58  | 228   | 0.145 | <1    | 2.67  | 0.012 | 0.47  | <0.1  | <0.01 | 11.2  | 0.2   | <0.05 | 11    | <0.5  |
| 11MS0100 | Soil                             | 9     | 21    | 1.27  | 222   | 0.144 | 2     | 2.14  | 0.012 | 0.41  | 0.1   | 0.02  | 7.6   | 0.3   | <0.05 | 8     | 0.5   |
| 11MS0101 | Soil                             | 8     | 25    | 1.15  | 555   | 0.192 | 1     | 2.55  | 0.016 | 0.56  | 0.1   | 0.01  | 6.7   | 0.2   | <0.05 | 9     | <0.5  |
| 11YM0102 | Soil                             | 6     | 18    | 0.94  | 237   | 0.217 | 2     | 2.21  | 0.010 | 0.63  | 0.2   | 0.01  | 3.9   | 0.2   | <0.05 | 7     | <0.5  |
| 11MS0103 | Soil                             | 11    | 32    | 1.45  | 526   | 0.176 | 2     | 2.48  | 0.012 | 0.68  | 0.1   | 0.01  | 8.7   | 0.2   | <0.05 | 10    | <0.5  |
| 11MS0104 | Soil                             | 12    | 25    | 0.99  | 357   | 0.138 | 3     | 1.92  | 0.015 | 0.37  | 0.1   | 0.02  | 6.3   | 0.2   | <0.05 | 7     | <0.5  |
| 11MS0105 | Soil                             | 37    | 106   | 1.55  | 554   | 0.167 | <1    | 2.20  | 0.022 | 0.17  | 0.1   | 0.02  | 4.7   | 0.1   | <0.05 | 8     | <0.5  |
| 11MS0106 | Soil                             | 29    | 25    | 1.08  | 414   | 0.119 | <1    | 1.85  | 0.017 | 0.36  | <0.1  | 0.05  | 9.3   | 0.2   | <0.05 | 7     | <0.5  |
| 11MS0107 | Soil                             | 25    | 38    | 0.94  | 437   | 0.090 | 1     | 1.81  | 0.018 | 0.20  | <0.1  | 0.05  | 9.2   | 0.1   | <0.05 | 6     | 0.8   |
| 11MS0108 | Soil                             | 18    | 35    | 0.80  | 348   | 0.104 | <1    | 2.00  | 0.014 | 0.18  | <0.1  | 0.06  | 6.5   | 0.1   | <0.05 | 7     | <0.5  |
| 11MS0109 | Soil                             | 13    | 29    | 0.72  | 312   | 0.066 | 2     | 1.41  | 0.013 | 0.09  | 0.1   | 0.04  | 5.0   | <0.1  | 0.05  | 5     | 0.5   |
| 11MS0110 | Soil                             | 29    | 30    | 0.45  | 238   | 0.051 | 1     | 1.39  | 0.013 | 0.05  | <0.1  | 0.04  | 2.7   | <0.1  | 0.08  | 5     | 1.7   |
| 11MS0111 | Soil                             | 21    | 25    | 0.31  | 131   | 0.042 | 1     | 1.14  | 0.012 | 0.04  | <0.1  | 0.04  | 1.9   | <0.1  | 0.09  | 4     | 1.6   |
| 11MS0112 | Soil                             | 20    | 19    | 0.23  | 141   | 0.030 | <1    | 0.93  | 0.012 | 0.04  | <0.1  | 0.06  | 1.6   | <0.1  | 0.14  | 3     | 2.0   |
| 11MS0113 | Soil                             | 31    | 32    | 0.46  | 167   | 0.075 | <1    | 1.30  | 0.034 | 0.09  | <0.1  | 0.03  | 2.2   | 0.1   | 0.18  | 4     | 2.7   |
| 11MS0114 | Soil                             | 23    | 13    | 0.20  | 129   | 0.027 | 1     | 1.10  | 0.015 | 0.05  | <0.1  | 0.06  | 1.5   | 0.1   | 0.12  | 3     | 3.1   |
| 11MS0115 | Soil                             | 23    | 14    | 0.46  | 160   | 0.091 | <1    | 1.49  | 0.054 | 0.16  | <0.1  | 0.01  | 1.7   | 0.2   | 0.19  | 4     | 1.0   |
| 11MS0116 | Soil                             | 23    | 21    | 0.32  | 246   | 0.026 | 1     | 1.65  | 0.011 | 0.07  | <0.1  | 0.06  | 1.3   | <0.1  | <0.05 | 6     | 0.7   |
| 11MS0117 | Soil                             | 29    | 60    | 1.73  | 654   | 0.178 | 3     | 2.47  | 0.017 | 0.66  | 0.1   | 0.03  | 11.5  | 0.3   | <0.05 | 8     | 0.9   |
| 11MS0118 | Soil                             | 30    | 25    | 0.64  | 177   | 0.102 | 1     | 1.65  | 0.014 | 0.19  | <0.1  | 0.01  | 2.4   | 0.2   | <0.05 | 4     | <0.5  |
| 11MS0119 | Soil                             | 34    | 51    | 0.93  | 227   | 0.146 | <1    | 1.81  | 0.014 | 0.26  | <0.1  | <0.01 | 2.4   | 0.2   | <0.05 | 5     | 0.5   |
| 11MS0120 | Soil                             | 29    | 37    | 0.68  | 271   | 0.102 | <1    | 1.77  | 0.018 | 0.12  | <0.1  | 0.02  | 2.9   | 0.1   | <0.05 | 5     | 0.6   |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method | Analyte | Unit   | MDL    | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |        |    |      |
|----------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|------|
|          |        |         |        |        | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca | P    |
|          |        |         |        |        | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %  | %    |
|          |        |         |        |        | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 1      | 0.01   | 0.5    | 0.1    | 0.5    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 0.1    | 2  | 0.01 |
| 11MS0121 | Soil   |         | 0.7    | 13.3   | 14.8   | 83     | 0.2    | 12.6   | 4.9    | 134    | 2.35   | 5.8    | 1.8    | 2.5    | 2.7    | 31     | 0.2    | 0.1    | 0.2    | 39     | 0.31   | 0.058  |    |      |
| 11MS0122 | Soil   |         | 0.6    | 12.6   | 33.6   | 57     | 0.2    | 8.1    | 3.0    | 80     | 1.80   | 8.9    | 1.6    | 2.5    | 0.8    | 23     | 0.4    | 0.2    | 0.6    | 18     | 0.20   | 0.060  |    |      |
| 11MS0123 | Soil   |         | 0.7    | 13.3   | 55.5   | 79     | 0.2    | 9.3    | 3.2    | 92     | 1.44   | 8.6    | 1.5    | 4.1    | 1.1    | 25     | 0.7    | 0.2    | 1.1    | 18     | 0.24   | 0.054  |    |      |
| 11MS0124 | Soil   |         | 1.1    | 24.3   | 9.7    | 79     | 0.2    | 19.8   | 11.5   | 547    | 2.99   | 5.4    | 1.2    | 8.3    | 4.5    | 44     | 0.2    | 0.3    | 0.1    | 50     | 0.66   | 0.074  |    |      |
| 11MS0125 | Soil   |         | 1.1    | 32.9   | 14.7   | 75     | 0.1    | 50.4   | 15.2   | 584    | 3.50   | 7.8    | 1.2    | 1.7    | 8.2    | 53     | <0.1   | 0.5    | 0.2    | 66     | 0.53   | 0.087  |    |      |
| 11MS0126 | Soil   |         | 0.4    | 143.2  | 5.5    | 63     | <0.1   | 29.0   | 29.4   | 433    | 3.50   | 3.0    | 0.4    | <0.5   | 1.6    | 41     | <0.1   | 0.1    | <0.1   | 91     | 1.06   | 0.296  |    |      |
| 11MS0127 | Soil   |         | 1.8    | 89.3   | 17.2   | 77     | <0.1   | 80.3   | 32.8   | 722    | 5.09   | 4.8    | 0.8    | 1.0    | 3.9    | 45     | <0.1   | 0.2    | 0.3    | 152    | 0.61   | 0.091  |    |      |
| 11MS0128 | Soil   |         | 0.5    | 11.4   | 3.3    | 78     | <0.1   | 5.5    | 6.4    | 342    | 3.47   | 3.3    | 0.8    | <0.5   | 5.6    | 9      | <0.1   | 0.2    | <0.1   | 21     | 0.14   | 0.043  |    |      |
| 11MS0129 | Soil   |         | 1.3    | 15.5   | 6.4    | 70     | <0.1   | 14.0   | 9.5    | 451    | 3.35   | 8.6    | 0.8    | <0.5   | 5.1    | 15     | <0.1   | 0.7    | <0.1   | 38     | 0.17   | 0.030  |    |      |
| 11MS0130 | Soil   |         | 0.9    | 16.5   | 7.9    | 87     | <0.1   | 10.8   | 9.1    | 513    | 4.00   | 6.0    | 0.6    | 1.4    | 4.7    | 17     | 0.1    | 0.3    | <0.1   | 49     | 0.21   | 0.038  |    |      |
| 11MS0131 | Soil   |         | 1.3    | 20.0   | 10.3   | 99     | <0.1   | 12.6   | 14.2   | 597    | 5.09   | 6.7    | 0.7    | 15.8   | 5.3    | 20     | <0.1   | 0.5    | 0.1    | 96     | 0.26   | 0.040  |    |      |
| 11MS0132 | Soil   |         | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |    |      |
| 11MS0133 | Soil   |         | 1.1    | 18.4   | 9.3    | 87     | <0.1   | 13.5   | 9.4    | 562    | 4.04   | 7.4    | 0.7    | <0.5   | 7.0    | 23     | <0.1   | 0.5    | 0.1    | 51     | 0.26   | 0.034  |    |      |
| 11MS0134 | Soil   |         | 1.5    | 14.3   | 12.8   | 76     | <0.1   | 11.0   | 9.2    | 456    | 3.37   | 9.4    | 0.9    | 1.2    | 5.3    | 17     | <0.1   | 0.8    | 0.1    | 38     | 0.17   | 0.034  |    |      |
| 11MS0135 | Soil   |         | 3.4    | 13.9   | 9.7    | 80     | <0.1   | 12.1   | 7.8    | 610    | 4.21   | 15.3   | 0.7    | 1.2    | 3.9    | 17     | <0.1   | 0.8    | 0.1    | 41     | 0.18   | 0.044  |    |      |
| 11MS0136 | Soil   |         | 1.1    | 20.2   | 13.4   | 69     | 0.1    | 16.3   | 11.4   | 547    | 3.48   | 5.4    | 0.9    | <0.5   | 4.4    | 22     | <0.1   | 0.3    | 0.1    | 72     | 0.23   | 0.035  |    |      |
| 11MS0137 | Soil   |         | 2.0    | 17.9   | 9.3    | 77     | <0.1   | 15.4   | 12.3   | 692    | 3.65   | 8.0    | 0.7    | 1.9    | 4.8    | 23     | 0.2    | 0.4    | 0.1    | 69     | 0.29   | 0.057  |    |      |
| 11MS0138 | Soil   |         | 1.0    | 23.1   | 5.9    | 84     | 0.1    | 26.8   | 16.4   | 657    | 4.25   | 5.2    | 1.1    | 1.2    | 5.4    | 29     | <0.1   | 0.3    | <0.1   | 92     | 0.41   | 0.099  |    |      |
| 11MS0139 | Soil   |         | 1.0    | 19.6   | 5.7    | 80     | <0.1   | 19.2   | 14.3   | 669    | 4.01   | 8.4    | 0.9    | 1.2    | 4.8    | 27     | <0.1   | 0.5    | <0.1   | 79     | 0.52   | 0.133  |    |      |
| 11MS0140 | Soil   |         | 1.0    | 17.8   | 6.7    | 80     | <0.1   | 14.7   | 14.0   | 558    | 3.89   | 8.8    | 0.8    | 0.7    | 4.3    | 24     | 0.1    | 0.4    | <0.1   | 78     | 0.46   | 0.089  |    |      |
| 11MS0141 | Soil   |         | 1.0    | 14.9   | 8.2    | 66     | <0.1   | 18.2   | 12.3   | 367    | 3.44   | 6.0    | 0.4    | 5.6    | 3.2    | 19     | <0.1   | 0.3    | 0.1    | 77     | 0.29   | 0.053  |    |      |
| 11YM0001 | Soil   |         | 0.6    | 20.8   | 5.6    | 85     | <0.1   | 16.3   | 12.2   | 474    | 3.00   | 4.7    | 0.3    | 3.9    | 3.5    | 9      | <0.1   | 0.4    | <0.1   | 59     | 0.12   | 0.037  |    |      |
| 11YM0002 | Soil   |         | 0.5    | 9.4    | 4.4    | 75     | <0.1   | 8.1    | 8.1    | 489    | 1.68   | 2.3    | 0.3    | 1.0    | 2.1    | 10     | <0.1   | 0.2    | <0.1   | 36     | 0.16   | 0.045  |    |      |
| 11YM0003 | Soil   |         | 0.3    | 9.2    | 2.1    | 107    | <0.1   | 5.6    | 12.6   | 840    | 1.83   | 3.6    | 0.2    | <0.5   | 2.2    | 6      | <0.1   | 0.1    | <0.1   | 34     | 0.23   | 0.109  |    |      |
| 11YM0004 | Soil   |         | 1.1    | 15.5   | 12.0   | 75     | 0.1    | 11.4   | 8.2    | 579    | 2.75   | 6.0    | 0.4    | <0.5   | 2.2    | 15     | 0.2    | 0.3    | 0.2    | 75     | 0.19   | 0.160  |    |      |
| 11YM0005 | Soil   |         | 0.8    | 36.5   | 9.4    | 88     | <0.1   | 17.9   | 12.0   | 447    | 3.37   | 5.0    | 0.5    | 2.4    | 2.8    | 18     | 0.1    | 0.3    | 0.1    | 82     | 0.31   | 0.098  |    |      |
| 11YM0006 | Soil   |         | 0.9    | 56.1   | 8.7    | 99     | 0.1    | 19.7   | 16.0   | 691    | 4.22   | 5.1    | 0.3    | 1.1    | 1.6    | 23     | 0.3    | 0.3    | 0.1    | 104    | 0.48   | 0.159  |    |      |
| 11YM0007 | Soil   |         | 1.0    | 40.4   | 11.0   | 84     | <0.1   | 30.3   | 14.6   | 620    | 3.48   | 6.2    | 0.3    | <0.5   | 1.5    | 24     | 0.3    | 0.3    | 0.1    | 84     | 0.43   | 0.043  |    |      |
| 11YM0008 | Soil   |         | 0.7    | 47.1   | 22.4   | 173    | <0.1   | 17.8   | 16.2   | 530    | 3.90   | 2.8    | 0.4    | <0.5   | 2.0    | 14     | 0.6    | 0.2    | <0.1   | 96     | 0.37   | 0.099  |    |      |
| 11YM0009 | Soil   |         | 0.8    | 52.3   | 17.5   | 103    | 0.1    | 27.1   | 14.4   | 513    | 3.46   | 7.7    | 0.7    | 2.4    | 4.2    | 18     | 0.2    | 0.4    | 0.1    | 81     | 0.25   | 0.041  |    |      |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Tl     | S      | Ga     | Se     | Te     |
|          |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11MS0121 | Soil                             | 18     | 25     | 0.45   | 213    | 0.086  | 1      | 1.45   | 0.011  | 0.09   | <0.1   | 0.04   | 2.0    | 0.1    | 0.08   | 5      | 0.9    | <0.2   |
| 11MS0122 | Soil                             | 13     | 16     | 0.19   | 110    | 0.035  | <1     | 0.89   | 0.011  | 0.03   | <0.1   | 0.04   | 1.2    | <0.1   | 0.09   | 3      | 1.0    | 0.5    |
| 11MS0123 | Soil                             | 15     | 17     | 0.20   | 141    | 0.041  | <1     | 0.93   | 0.010  | 0.03   | 0.1    | 0.04   | 1.6    | <0.1   | 0.08   | 3      | 1.1    | 0.6    |
| 11MS0124 | Soil                             | 22     | 29     | 0.72   | 380    | 0.091  | <1     | 1.61   | 0.017  | 0.22   | 0.1    | 0.05   | 6.2    | 0.1    | <0.05  | 6      | 0.5    | <0.2   |
| 11MS0125 | Soil                             | 34     | 75     | 1.12   | 537    | 0.159  | 2      | 1.92   | 0.020  | 0.29   | 0.2    | 0.03   | 6.6    | 0.2    | <0.05  | 7      | 0.8    | <0.2   |
| 11MS0126 | Soil                             | 8      | 24     | 1.51   | 334    | 0.145  | <1     | 1.95   | 0.039  | 0.68   | <0.1   | 0.01   | 4.9    | 0.3    | <0.05  | 8      | <0.5   | <0.2   |
| 11MS0127 | Soil                             | 19     | 141    | 3.10   | 680    | 0.184  | 1      | 3.15   | 0.022  | 0.09   | 0.2    | 0.01   | 13.1   | <0.1   | <0.05  | 12     | 0.7    | <0.2   |
| 11MS0128 | Soil                             | 8      | 7      | 0.77   | 175    | 0.199  | <1     | 1.75   | 0.007  | 0.68   | 0.1    | <0.01  | 4.0    | 0.3    | <0.05  | 8      | <0.5   | <0.2   |
| 11MS0129 | Soil                             | 10     | 23     | 0.57   | 205    | 0.125  | <1     | 1.52   | 0.012  | 0.40   | 0.1    | <0.01  | 3.9    | 0.2    | <0.05  | 6      | <0.5   | <0.2   |
| 11MS0130 | Soil                             | 9      | 17     | 0.89   | 238    | 0.218  | 1      | 2.20   | 0.011  | 0.67   | 0.1    | 0.01   | 4.3    | 0.3    | <0.05  | 9      | <0.5   | <0.2   |
| 11MS0131 | Soil                             | 14     | 18     | 1.25   | 379    | 0.226  | 2      | 2.71   | 0.017  | 0.76   | 0.2    | 0.02   | 7.3    | 0.4    | <0.05  | 9      | 0.8    | <0.2   |
| 11MS0132 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11MS0133 | Soil                             | 16     | 21     | 1.00   | 277    | 0.229  | 1      | 2.17   | 0.014  | 0.75   | 0.1    | 0.02   | 4.4    | 0.3    | <0.05  | 8      | 0.5    | <0.2   |
| 11MS0134 | Soil                             | 15     | 19     | 0.48   | 353    | 0.061  | 2      | 1.70   | 0.008  | 0.28   | 0.2    | 0.02   | 3.7    | 0.2    | <0.05  | 5      | 0.7    | <0.2   |
| 11MS0135 | Soil                             | 14     | 19     | 0.60   | 268    | 0.129  | <1     | 1.80   | 0.011  | 0.49   | 0.2    | 0.03   | 6.7    | 0.2    | <0.05  | 8      | 0.8    | <0.2   |
| 11MS0136 | Soil                             | 17     | 27     | 0.80   | 283    | 0.139  | 1      | 1.83   | 0.014  | 0.28   | 0.1    | 0.02   | 7.5    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11MS0137 | Soil                             | 14     | 24     | 0.85   | 313    | 0.157  | 1      | 1.82   | 0.015  | 0.42   | 0.1    | 0.03   | 6.7    | 0.2    | <0.05  | 7      | 0.7    | <0.2   |
| 11MS0138 | Soil                             | 23     | 38     | 1.35   | 382    | 0.193  | <1     | 2.10   | 0.014  | 0.66   | <0.1   | 0.03   | 10.1   | 0.2    | <0.05  | 8      | 1.0    | <0.2   |
| 11MS0139 | Soil                             | 16     | 26     | 1.18   | 333    | 0.211  | <1     | 2.02   | 0.015  | 0.62   | <0.1   | 0.05   | 9.6    | 0.3    | <0.05  | 8      | 0.8    | <0.2   |
| 11MS0140 | Soil                             | 14     | 21     | 1.07   | 396    | 0.218  | <1     | 1.99   | 0.016  | 0.65   | <0.1   | 0.03   | 8.6    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11MS0141 | Soil                             | 10     | 29     | 0.92   | 170    | 0.152  | 1      | 1.97   | 0.014  | 0.20   | 0.1    | 0.02   | 5.1    | 0.2    | <0.05  | 7      | <0.5   | <0.2   |
| 11YM0001 | Soil                             | 12     | 26     | 0.86   | 140    | 0.156  | <1     | 2.12   | 0.011  | 0.15   | 0.1    | 0.02   | 7.3    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11YM0002 | Soil                             | 12     | 15     | 0.84   | 107    | 0.118  | <1     | 1.22   | 0.008  | 0.10   | <0.1   | <0.01  | 6.7    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11YM0003 | Soil                             | 12     | 9      | 1.09   | 93     | 0.138  | <1     | 1.24   | 0.005  | 0.19   | <0.1   | <0.01  | 8.0    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11YM0004 | Soil                             | 11     | 30     | 0.64   | 234    | 0.135  | <1     | 1.51   | 0.012  | 0.14   | 0.2    | 0.02   | 4.2    | 0.1    | <0.05  | 8      | 0.5    | <0.2   |
| 11YM0005 | Soil                             | 12     | 27     | 1.00   | 204    | 0.170  | 2      | 1.83   | 0.015  | 0.29   | 0.1    | 0.02   | 4.6    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |
| 11YM0006 | Soil                             | 6      | 29     | 1.09   | 320    | 0.224  | 2      | 2.41   | 0.017  | 0.28   | 0.1    | 0.01   | 4.0    | 0.2    | <0.05  | 9      | <0.5   | <0.2   |
| 11YM0007 | Soil                             | 5      | 56     | 1.03   | 309    | 0.133  | 1      | 2.34   | 0.023  | 0.20   | 0.1    | <0.01  | 4.5    | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11YM0008 | Soil                             | 7      | 35     | 1.23   | 373    | 0.215  | 2      | 2.32   | 0.016  | 0.44   | 0.1    | <0.01  | 4.8    | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11YM0009 | Soil                             | 15     | 39     | 0.91   | 263    | 0.166  | 1      | 2.17   | 0.022  | 0.22   | 0.1    | 0.02   | 7.7    | 0.1    | <0.05  | 7      | <0.5   | <0.2   |





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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11YM0010 | Soil                             | 1.3        | 29.4       | 15.0       | 108      | <0.1       | 19.1       | 13.5       | 523      | 3.61      | 5.1        | 0.6        | 3.3        | 3.0        | 21       | 0.3        | 0.4        | 0.1        | 81       | 0.36      | 0.068      |
| 11YM0011 | Soil                             | 0.9        | 25.5       | 11.6       | 94       | 0.1        | 19.8       | 12.8       | 826      | 3.19      | 5.4        | 0.5        | <0.5       | 2.7        | 34       | 0.4        | 0.4        | 0.1        | 69       | 0.52      | 0.063      |
| 11YM0012 | Soil                             | 0.9        | 42.8       | 7.8        | 100      | <0.1       | 18.4       | 13.1       | 481      | 3.60      | 5.2        | 0.4        | 11.7       | 2.5        | 19       | 0.1        | 0.3        | 0.1        | 74       | 0.36      | 0.076      |
| 11YM0013 | Soil                             | 1.3        | 46.7       | 10.0       | 83       | 0.2        | 17.8       | 12.3       | 968      | 3.00      | 4.5        | 1.1        | 3.4        | 3.0        | 32       | 0.4        | 0.3        | 0.1        | 59       | 0.60      | 0.065      |
| 11YM0014 | Soil                             | 1.6        | 37.3       | 7.3        | 76       | 0.5        | 23.3       | 15.6       | 764      | 2.75      | 4.5        | 1.3        | 8.4        | 1.9        | 29       | 0.2        | 0.2        | <0.1       | 62       | 0.56      | 0.088      |
| 11YM0015 | Soil                             | 1.4        | 24.6       | 9.3        | 75       | 0.2        | 15.3       | 11.9       | 537      | 2.74      | 4.1        | 0.8        | 2.3        | 2.5        | 21       | 0.2        | 0.2        | 0.1        | 61       | 0.35      | 0.079      |
| 11YM0016 | Soil                             | 1.9        | 30.7       | 17.2       | 69       | 0.4        | 17.1       | 10.5       | 472      | 2.89      | 3.5        | 1.3        | 5.5        | 2.5        | 25       | 0.2        | 0.2        | 0.2        | 59       | 0.34      | 0.072      |
| 11YM0017 | Soil                             | 1.8        | 23.8       | 9.5        | 71       | 0.2        | 15.7       | 12.3       | 499      | 3.04      | 3.6        | 0.8        | 1.8        | 2.7        | 18       | 0.1        | 0.2        | 0.1        | 64       | 0.33      | 0.080      |
| 11YM0018 | Soil                             | 0.9        | 20.5       | 9.1        | 82       | 0.1        | 18.8       | 11.8       | 367      | 3.07      | 2.6        | 0.9        | 2.1        | 2.5        | 34       | 0.1        | 0.2        | 0.1        | 63       | 0.60      | 0.087      |
| 11YM0019 | Soil                             | 0.8        | 18.4       | 8.5        | 82       | 0.1        | 19.0       | 12.8       | 393      | 3.42      | 2.8        | 0.6        | 1.8        | 2.5        | 23       | <0.1       | 0.2        | 0.1        | 75       | 0.46      | 0.086      |
| 11YM0020 | Soil                             | 0.6        | 27.9       | 7.2        | 82       | 0.1        | 29.0       | 14.8       | 563      | 3.57      | 3.1        | 1.1        | 1.6        | 2.8        | 41       | 0.2        | 0.2        | 0.1        | 78       | 0.77      | 0.100      |
| 11YM0021 | Soil                             | 0.6        | 28.9       | 7.2        | 84       | <0.1       | 44.3       | 14.9       | 478      | 3.38      | 3.7        | 1.1        | 1.9        | 3.4        | 52       | 0.1        | 0.2        | <0.1       | 76       | 0.93      | 0.139      |
| 11YM0022 | Soil                             | 0.5        | 31.1       | 6.6        | 83       | 0.1        | 73.3       | 19.4       | 572      | 3.75      | 2.7        | 1.3        | 2.0        | 4.2        | 92       | 0.1        | 0.1        | <0.1       | 85       | 1.08      | 0.225      |
| 11YM0023 | Soil                             | 0.6        | 36.3       | 6.9        | 77       | 0.2        | 77.1       | 18.3       | 662      | 3.24      | 2.3        | 1.6        | 1.8        | 3.7        | 90       | 0.2        | 0.2        | <0.1       | 76       | 1.25      | 0.196      |
| 11YM0024 | Soil                             | 0.9        | 24.9       | 6.2        | 83       | 0.1        | 47.7       | 16.6       | 489      | 3.71      | 2.9        | 0.7        | 0.9        | 2.9        | 49       | <0.1       | 0.1        | <0.1       | 83       | 0.67      | 0.143      |
| 11YM0025 | Soil                             | 0.9        | 24.2       | 6.0        | 89       | 0.1        | 25.7       | 15.2       | 491      | 3.89      | 2.4        | 0.8        | 3.3        | 2.6        | 37       | <0.1       | <0.1       | <0.1       | 87       | 0.51      | 0.111      |
| 11YM0026 | Soil                             | 1.1        | 18.8       | 16.4       | 78       | 0.3        | 9.9        | 9.9        | 354      | 2.88      | 5.8        | 1.1        | 1.2        | 2.1        | 53       | 0.3        | 0.2        | 0.2        | 55       | 0.97      | 0.076      |
| 11YM0027 | Soil                             | 1.7        | 31.6       | 5.9        | 94       | 0.2        | 8.1        | 18.7       | 652      | 5.03      | 18.8       | 0.5        | 5.1        | 1.4        | 34       | 0.1        | 0.2        | 0.2        | 102      | 0.81      | 0.105      |
| 11YM0028 | Soil                             | 0.9        | 22.1       | 6.9        | 65       | 0.2        | 11.8       | 11.2       | 283      | 3.33      | 5.0        | 0.6        | 2.9        | 1.8        | 27       | <0.1       | 0.2        | 0.1        | 76       | 0.54      | 0.054      |
| 11YM0029 | Soil                             | 1.4        | 26.2       | 6.2        | 73       | 0.1        | 14.1       | 14.7       | 312      | 4.00      | 6.4        | 0.5        | 2.7        | 2.5        | 19       | <0.1       | 0.2        | <0.1       | 92       | 0.35      | 0.069      |
| 11YM0030 | Soil                             | 1.2        | 23.0       | 6.4        | 71       | 0.1        | 13.7       | 13.0       | 292      | 3.72      | 5.9        | 0.5        | 2.3        | 2.2        | 18       | <0.1       | 0.2        | 0.1        | 85       | 0.30      | 0.059      |
| 11YM0031 | Soil                             | 1.2        | 20.9       | 7.0        | 97       | 0.2        | 8.1        | 11.6       | 365      | 3.49      | 3.4        | 0.6        | 2.3        | 1.8        | 21       | 0.1        | 0.1        | <0.1       | 69       | 0.38      | 0.081      |
| 11YM0032 | Soil                             | 1.3        | 20.6       | 5.4        | 86       | 0.1        | 8.6        | 11.2       | 450      | 3.48      | 2.4        | 0.5        | 1.5        | 2.0        | 17       | 0.1        | 0.1        | <0.1       | 63       | 0.29      | 0.084      |
| 11YM0033 | Soil                             | 1.2        | 25.3       | 8.5        | 73       | 0.2        | 12.8       | 11.1       | 339      | 3.19      | 6.5        | 0.6        | 2.9        | 2.3        | 20       | <0.1       | 0.2        | 0.2        | 69       | 0.31      | 0.050      |
| 11YM0034 | Soil                             | 0.9        | 23.5       | 6.6        | 56       | 0.1        | 8.8        | 9.8        | 255      | 3.06      | 3.8        | 0.4        | 3.9        | 1.7        | 17       | <0.1       | 0.3        | <0.1       | 76       | 0.28      | 0.053      |
| 11YM0035 | Soil                             | 1.1        | 24.5       | 6.8        | 69       | 0.1        | 12.7       | 12.9       | 384      | 3.46      | 3.3        | 0.5        | 31.3       | 2.1        | 18       | <0.1       | 0.2        | <0.1       | 71       | 0.29      | 0.046      |
| 11YM0036 | Soil                             | 1.4        | 26.5       | 9.9        | 57       | 0.2        | 16.8       | 14.4       | 350      | 3.07      | 3.9        | 0.7        | 3.6        | 2.5        | 23       | <0.1       | 0.2        | 0.1        | 64       | 0.32      | 0.044      |
| 11YM0037 | Soil                             | 0.9        | 25.0       | 10.4       | 52       | 0.2        | 17.6       | 10.5       | 324      | 2.76      | 5.4        | 0.9        | 2.4        | 3.1        | 29       | <0.1       | 0.2        | 0.1        | 63       | 0.38      | 0.060      |
| 11YM0038 | Soil                             | 1.1        | 28.4       | 12.1       | 54       | 0.2        | 22.2       | 11.7       | 295      | 2.86      | 5.2        | 0.8        | 2.3        | 3.1        | 26       | <0.1       | 0.3        | 0.1        | 68       | 0.33      | 0.049      |
| 11YM0039 | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       |



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**Report Date:** December 07, 2011

**Page:** 7 of 11 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0010 | Soil                             | 9     | 32    | 1.07  | 295   | 0.132 | 1     | 2.33  | 0.017 | 0.24  | <0.1  | <0.01 | 6.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0011 | Soil                             | 10    | 29    | 0.96  | 410   | 0.126 | 2     | 2.03  | 0.015 | 0.30  | 0.1   | 0.02  | 6.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0012 | Soil                             | 11    | 28    | 1.36  | 212   | 0.136 | 1     | 2.26  | 0.014 | 0.19  | 0.1   | 0.01  | 8.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0013 | Soil                             | 21    | 28    | 0.79  | 410   | 0.124 | 2     | 1.89  | 0.016 | 0.25  | <0.1  | 0.03  | 7.6   | 0.1   | <0.05 | 7     | 0.5   | <0.2  |
| 11YM0014 | Soil                             | 15    | 43    | 1.10  | 283   | 0.106 | 1     | 1.70  | 0.019 | 0.11  | <0.1  | 0.03  | 7.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0015 | Soil                             | 12    | 31    | 0.92  | 239   | 0.129 | <1    | 1.74  | 0.016 | 0.14  | 0.1   | 0.03  | 5.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0016 | Soil                             | 17    | 30    | 0.74  | 341   | 0.111 | 1     | 1.86  | 0.014 | 0.10  | <0.1  | 0.05  | 6.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0017 | Soil                             | 13    | 30    | 0.81  | 251   | 0.118 | <1    | 1.70  | 0.014 | 0.14  | <0.1  | 0.02  | 5.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0018 | Soil                             | 14    | 34    | 1.04  | 355   | 0.108 | 1     | 1.85  | 0.018 | 0.17  | <0.1  | 0.03  | 7.0   | 0.1   | <0.05 | 8     | 0.5   | <0.2  |
| 11YM0019 | Soil                             | 12    | 33    | 1.03  | 265   | 0.161 | 1     | 2.08  | 0.014 | 0.13  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0020 | Soil                             | 20    | 46    | 1.24  | 476   | 0.176 | 1     | 2.04  | 0.018 | 0.26  | 0.1   | 0.03  | 6.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0021 | Soil                             | 21    | 58    | 1.43  | 430   | 0.192 | 1     | 2.15  | 0.017 | 0.21  | 0.1   | 0.02  | 5.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0022 | Soil                             | 29    | 92    | 1.93  | 507   | 0.250 | 1     | 2.26  | 0.018 | 0.28  | <0.1  | 0.03  | 6.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0023 | Soil                             | 34    | 91    | 1.83  | 616   | 0.203 | 1     | 2.18  | 0.018 | 0.19  | <0.1  | 0.06  | 7.3   | 0.2   | <0.05 | 7     | 0.8   | <0.2  |
| 11YM0024 | Soil                             | 17    | 59    | 1.63  | 343   | 0.253 | 1     | 2.22  | 0.016 | 0.41  | 0.1   | 0.02  | 4.8   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0025 | Soil                             | 14    | 35    | 1.44  | 369   | 0.299 | <1    | 2.38  | 0.013 | 0.55  | 0.1   | 0.03  | 4.2   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0026 | Soil                             | 17    | 16    | 0.82  | 537   | 0.148 | 3     | 1.71  | 0.022 | 0.32  | 0.1   | 0.06  | 4.7   | 0.3   | <0.05 | 5     | 0.8   | <0.2  |
| 11YM0027 | Soil                             | 7     | 11    | 1.11  | 383   | 0.169 | 2     | 2.32  | 0.015 | 0.59  | <0.1  | 0.02  | 6.6   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0028 | Soil                             | 10    | 21    | 1.00  | 323   | 0.202 | 1     | 2.23  | 0.015 | 0.32  | 0.1   | 0.02  | 3.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0029 | Soil                             | 8     | 26    | 1.23  | 278   | 0.253 | 1     | 2.70  | 0.016 | 0.55  | 0.1   | 0.01  | 4.7   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0030 | Soil                             | 8     | 25    | 1.10  | 257   | 0.225 | <1    | 2.49  | 0.016 | 0.44  | 0.1   | 0.01  | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0031 | Soil                             | 7     | 16    | 1.04  | 264   | 0.224 | <1    | 2.04  | 0.012 | 0.62  | 0.1   | 0.01  | 3.5   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0032 | Soil                             | 9     | 15    | 0.96  | 291   | 0.231 | <1    | 2.07  | 0.011 | 0.66  | 0.2   | 0.01  | 3.3   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0033 | Soil                             | 8     | 21    | 0.84  | 275   | 0.172 | 1     | 2.00  | 0.013 | 0.33  | 0.1   | 0.01  | 3.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0034 | Soil                             | 6     | 17    | 0.80  | 188   | 0.182 | <1    | 1.86  | 0.013 | 0.28  | 0.1   | <0.01 | 3.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0035 | Soil                             | 7     | 22    | 0.90  | 211   | 0.151 | 1     | 1.99  | 0.012 | 0.28  | 0.1   | 0.01  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0036 | Soil                             | 11    | 37    | 0.79  | 332   | 0.134 | <1    | 1.85  | 0.012 | 0.19  | 0.1   | 0.02  | 3.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0037 | Soil                             | 12    | 34    | 0.71  | 344   | 0.126 | 1     | 1.84  | 0.017 | 0.09  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0038 | Soil                             | 12    | 45    | 0.81  | 336   | 0.139 | 1     | 1.99  | 0.016 | 0.10  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0039 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |



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**Project:** Mariposa  
**Report Date:** December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        | P          |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| 11YM0040 | Soil                             | 1.2        | 21.6       | 12.8       | 54       | 0.1        | 18.3       | 10.1       | 286      | 3.02      | 5.0        | 0.5        | 4.6        | 2.9        | 21       | <0.1       | 0.3        | 0.1        | 63       | 0.26      | 0.042      |
| 11YM0041 | Soil                             | 1.0        | 23.9       | 11.7       | 58       | <0.1       | 20.2       | 10.2       | 336      | 2.84      | 6.8        | 0.6        | 2.1        | 3.1        | 22       | <0.1       | 0.4        | 0.1        | 59       | 0.24      | 0.035      |
| 11YM0042 | Soil                             | 1.5        | 13.9       | 11.7       | 65       | 0.2        | 16.1       | 8.4        | 351      | 3.17      | 8.7        | 0.5        | 1.0        | 3.5        | 13       | <0.1       | 0.5        | 0.2        | 59       | 0.12      | 0.034      |
| 11YM0043 | Soil                             | 1.2        | 23.5       | 12.9       | 73       | 0.1        | 18.5       | 10.9       | 399      | 3.29      | 8.0        | 0.7        | 5.8        | 5.8        | 23       | <0.1       | 0.4        | 0.2        | 58       | 0.35      | 0.048      |
| 11YM0044 | Soil                             | 1.0        | 9.7        | 9.1        | 68       | <0.1       | 9.3        | 7.0        | 609      | 2.38      | 5.3        | 0.3        | 1.3        | 1.6        | 19       | 0.1        | 0.3        | 0.1        | 50       | 0.19      | 0.040      |
| 11YM0045 | Soil                             | 1.3        | 16.3       | 16.1       | 64       | <0.1       | 11.7       | 8.0        | 379      | 2.90      | 9.2        | 0.4        | 1.3        | 2.4        | 19       | <0.1       | 0.4        | 0.2        | 53       | 0.16      | 0.037      |
| 11YM0046 | Soil                             | 1.4        | 9.3        | 9.6        | 37       | <0.1       | 6.5        | 3.8        | 276      | 1.85      | 3.8        | 0.3        | 2.7        | 1.2        | 12       | 0.1        | 0.3        | 0.1        | 46       | 0.12      | 0.022      |
| 11YM0047 | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       |
| 11YM0048 | Soil                             | 3.4        | 16.1       | 38.8       | 84       | 0.2        | 6.6        | 5.1        | 176      | 3.11      | 27.4       | 2.2        | 4.0        | 11.9       | 56       | <0.1       | 0.3        | 1.7        | 20       | 0.09      | 0.039      |
| 11YM0049 | Soil                             | 1.9        | 18.7       | 46.1       | 115      | 0.2        | 5.7        | 7.3        | 277      | 2.87      | 23.1       | 4.8        | 4.0        | 14.6       | 42       | 0.3        | 0.3        | 2.5        | 9        | 0.11      | 0.029      |
| 11YM0050 | Soil                             | 1.8        | 16.5       | 69.4       | 99       | 0.3        | 2.9        | 3.3        | 168      | 3.18      | 30.7       | 3.2        | 4.3        | 12.4       | 72       | 0.2        | 0.2        | 3.6        | 9        | 0.11      | 0.033      |
| 11YM0051 | Soil                             | 3.0        | 43.2       | 146.9      | 468      | 0.7        | 5.7        | 6.7        | 444      | 4.03      | 25.3       | 4.5        | 3.8        | 17.8       | 55       | 0.8        | 0.4        | 2.5        | 16       | 0.29      | 0.057      |
| 11YM0052 | Soil                             | 1.8        | 21.9       | 26.3       | 75       | 0.3        | 22.0       | 7.4        | 356      | 2.36      | 6.0        | 2.3        | 2.0        | 4.9        | 37       | 0.1        | 0.3        | 0.3        | 42       | 0.57      | 0.046      |
| 11YM0053 | Soil                             | 2.0        | 15.3       | 30.6       | 162      | 0.2        | 18.5       | 9.4        | 370      | 2.83      | 7.1        | 1.8        | 3.5        | 9.4        | 35       | 0.2        | 0.2        | 0.2        | 35       | 0.48      | 0.081      |
| 11YM0054 | Soil                             | 1.7        | 29.8       | 17.2       | 159      | 0.2        | 36.1       | 14.1       | 622      | 3.22      | 7.6        | 2.0        | 1.2        | 4.8        | 68       | 1.0        | 0.3        | 0.2        | 54       | 0.86      | 0.125      |
| 11YM0055 | Soil                             | 1.3        | 23.7       | 11.9       | 62       | <0.1       | 19.3       | 10.9       | 334      | 2.77      | 7.1        | 1.0        | 4.2        | 3.9        | 37       | <0.1       | 0.2        | 0.1        | 57       | 0.45      | 0.057      |
| 11YM0056 | Soil                             | 1.3        | 23.7       | 9.4        | 68       | <0.1       | 15.3       | 11.3       | 441      | 2.78      | 5.5        | 1.0        | 2.0        | 3.6        | 35       | <0.1       | 0.2        | 0.2        | 51       | 0.60      | 0.108      |
| 11YM0057 | Soil                             | 1.6        | 26.4       | 11.2       | 66       | <0.1       | 17.2       | 11.5       | 469      | 2.77      | 6.0        | 1.2        | 2.8        | 3.6        | 35       | <0.1       | 0.2        | 0.2        | 50       | 0.54      | 0.092      |
| 11YM0058 | Soil                             | 1.0        | 16.9       | 6.6        | 75       | <0.1       | 10.6       | 11.6       | 352      | 2.80      | 1.1        | 0.6        | 2.5        | 4.3        | 28       | <0.1       | <0.1       | 0.1        | 45       | 0.60      | 0.127      |
| 11YM0059 | Soil                             | 1.2        | 29.5       | 7.7        | 64       | 0.3        | 12.8       | 12.5       | 444      | 2.89      | 5.5        | 1.2        | 6.7        | 2.4        | 35       | <0.1       | 0.2        | <0.1       | 54       | 0.57      | 0.066      |
| 11YM0060 | Soil                             | 1.1        | 29.7       | 7.4        | 62       | 0.3        | 12.5       | 12.8       | 402      | 2.91      | 5.5        | 1.2        | 3.5        | 2.5        | 33       | <0.1       | 0.2        | <0.1       | 53       | 0.54      | 0.066      |
| 11YM0061 | Soil                             | 1.4        | 26.9       | 8.7        | 74       | 0.2        | 14.1       | 13.1       | 497      | 3.11      | 6.7        | 1.0        | 1.7        | 2.4        | 24       | 0.1        | 0.2        | 0.1        | 65       | 0.35      | 0.056      |
| 11YM0062 | Soil                             | 0.9        | 24.7       | 8.6        | 68       | 0.2        | 15.0       | 11.8       | 482      | 3.17      | 5.7        | 0.9        | 6.4        | 3.3        | 36       | 0.1        | 0.2        | 0.1        | 63       | 0.52      | 0.067      |
| 11YM0063 | Soil                             | 1.0        | 24.2       | 15.0       | 63       | 0.2        | 16.5       | 14.6       | 855      | 3.52      | 6.1        | 0.8        | 3.4        | 3.5        | 38       | <0.1       | 0.3        | 0.2        | 85       | 0.51      | 0.086      |
| 11YM0064 | Soil                             | 0.6        | 31.0       | 5.2        | 119      | 0.1        | 13.1       | 15.4       | 699      | 4.36      | 4.2        | 0.8        | 4.5        | 3.7        | 36       | <0.1       | 0.2        | <0.1       | 102      | 0.64      | 0.148      |
| 11YM0065 | Soil                             | 1.0        | 23.8       | 9.2        | 67       | 0.1        | 15.9       | 12.2       | 408      | 3.39      | 6.8        | 0.5        | 3.9        | 3.0        | 20       | <0.1       | 0.3        | 0.1        | 80       | 0.26      | 0.036      |
| 11YM0066 | Soil                             | 0.7        | 22.2       | 5.3        | 130      | <0.1       | 10.5       | 23.6       | 776      | 4.69      | 3.4        | 0.6        | 1.1        | 2.5        | 29       | <0.1       | 0.1        | <0.1       | 111      | 0.55      | 0.166      |
| 11YM0067 | Soil                             | 0.9        | 13.8       | 12.3       | 44       | 0.2        | 9.7        | 5.7        | 186      | 2.28      | 5.0        | 0.6        | 2.6        | 2.5        | 20       | <0.1       | 0.2        | 0.2        | 59       | 0.24      | 0.033      |
| 11YM0068 | Soil                             | 0.9        | 16.7       | 7.6        | 79       | <0.1       | 10.0       | 10.0       | 445      | 3.22      | 4.5        | 0.6        | 7.2        | 3.2        | 24       | <0.1       | 0.2        | 0.1        | 60       | 0.36      | 0.074      |
| 11YM0069 | Soil                             | 0.7        | 19.9       | 6.7        | 73       | 0.1        | 11.0       | 14.9       | 636      | 3.28      | 5.0        | 1.0        | 2.4        | 3.7        | 32       | 0.2        | 0.2        | 0.1        | 75       | 0.51      | 0.108      |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0040 | Soil                             | 9     | 42    | 0.70  | 199   | 0.126 | 1     | 1.89  | 0.012 | 0.09  | 0.1   | 0.01  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0041 | Soil                             | 12    | 34    | 0.70  | 238   | 0.113 | <1    | 2.04  | 0.011 | 0.10  | 0.1   | 0.01  | 3.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0042 | Soil                             | 10    | 26    | 0.52  | 220   | 0.047 | <1    | 1.98  | 0.009 | 0.10  | <0.1  | 0.02  | 2.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0043 | Soil                             | 18    | 28    | 0.70  | 443   | 0.065 | 2     | 2.00  | 0.012 | 0.17  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0044 | Soil                             | 7     | 16    | 0.50  | 268   | 0.052 | <1    | 1.27  | 0.012 | 0.11  | <0.1  | <0.01 | 2.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0045 | Soil                             | 9     | 23    | 0.59  | 291   | 0.036 | <1    | 1.86  | 0.013 | 0.11  | 0.1   | 0.01  | 2.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0046 | Soil                             | 7     | 13    | 0.21  | 218   | 0.029 | <1    | 0.93  | 0.009 | 0.06  | <0.1  | 0.02  | 1.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0047 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11YM0048 | Soil                             | 32    | 10    | 0.21  | 206   | 0.024 | 1     | 1.11  | 0.078 | 0.12  | <0.1  | 0.01  | 1.9   | <0.1  | 0.36  | 3     | 1.9   | 0.5   |
| 11YM0049 | Soil                             | 29    | 5     | 0.13  | 151   | 0.004 | <1    | 0.94  | 0.025 | 0.05  | <0.1  | 0.02  | 3.3   | <0.1  | 0.09  | 2     | 1.0   | 0.7   |
| 11YM0050 | Soil                             | 55    | 4     | 0.15  | 164   | 0.005 | 1     | 0.82  | 0.103 | 0.14  | <0.1  | 0.02  | 2.4   | 0.1   | 0.51  | 2     | 2.1   | 0.9   |
| 11YM0051 | Soil                             | 43    | 7     | 0.28  | 176   | 0.028 | <1    | 1.02  | 0.060 | 0.18  | <0.1  | 0.02  | 2.8   | 0.2   | 0.36  | 3     | 2.7   | 1.0   |
| 11YM0052 | Soil                             | 57    | 34    | 0.52  | 469   | 0.034 | <1    | 1.41  | 0.011 | 0.08  | <0.1  | 0.02  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0053 | Soil                             | 25    | 32    | 0.67  | 279   | 0.060 | <1    | 1.35  | 0.010 | 0.10  | 0.1   | <0.01 | 2.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0054 | Soil                             | 26    | 47    | 0.81  | 867   | 0.058 | <1    | 1.64  | 0.016 | 0.09  | <0.1  | 0.03  | 5.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0055 | Soil                             | 16    | 32    | 0.82  | 414   | 0.086 | <1    | 1.74  | 0.017 | 0.07  | <0.1  | <0.01 | 4.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0056 | Soil                             | 16    | 24    | 0.88  | 507   | 0.069 | <1    | 1.64  | 0.012 | 0.14  | <0.1  | 0.02  | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0057 | Soil                             | 18    | 27    | 0.83  | 484   | 0.078 | <1    | 1.61  | 0.015 | 0.11  | <0.1  | 0.01  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0058 | Soil                             | 15    | 10    | 0.81  | 371   | 0.023 | <1    | 1.71  | 0.012 | 0.24  | <0.1  | <0.01 | 5.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0059 | Soil                             | 15    | 25    | 0.65  | 272   | 0.094 | <1    | 1.58  | 0.014 | 0.16  | <0.1  | 0.05  | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0060 | Soil                             | 15    | 24    | 0.64  | 263   | 0.093 | <1    | 1.58  | 0.014 | 0.16  | 0.1   | 0.06  | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0061 | Soil                             | 11    | 28    | 0.76  | 277   | 0.124 | <1    | 1.80  | 0.013 | 0.14  | <0.1  | 0.04  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0062 | Soil                             | 15    | 27    | 0.77  | 314   | 0.119 | <1    | 1.82  | 0.015 | 0.25  | 0.1   | 0.05  | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0063 | Soil                             | 15    | 29    | 0.92  | 327   | 0.118 | <1    | 1.96  | 0.015 | 0.12  | 0.1   | 0.02  | 6.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0064 | Soil                             | 20    | 23    | 1.47  | 357   | 0.092 | 1     | 2.16  | 0.014 | 0.60  | <0.1  | 0.01  | 9.2   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11YM0065 | Soil                             | 12    | 29    | 0.93  | 309   | 0.115 | <1    | 2.02  | 0.017 | 0.16  | 0.1   | 0.01  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0066 | Soil                             | 12    | 17    | 2.20  | 318   | 0.126 | <1    | 2.55  | 0.011 | 0.32  | <0.1  | <0.01 | 13.1  | 0.1   | <0.05 | 12    | 0.5   | <0.2  |
| 11YM0067 | Soil                             | 10    | 21    | 0.48  | 139   | 0.084 | <1    | 1.51  | 0.011 | 0.08  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0068 | Soil                             | 10    | 19    | 0.72  | 202   | 0.119 | <1    | 1.69  | 0.011 | 0.22  | 0.1   | 0.01  | 3.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0069 | Soil                             | 15    | 22    | 0.83  | 247   | 0.117 | <1    | 1.69  | 0.015 | 0.16  | 0.2   | 0.03  | 5.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method | Analyte | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |      |
|----------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11YM0070 | Soil   |         | 0.9  | 23.4 | 7.2   | 80    | 0.2   | 14.9  | 14.8  | 725   | 3.60  | 7.7   | 1.2   | 3.1   | 3.4   | 38    | 0.3   | 0.2   | 0.1   | 81    | 0.66  | 0.103 |    |      |
| 11YM0071 | Soil   |         | 1.5  | 29.4 | 10.1  | 83    | 0.3   | 22.7  | 17.3  | 975   | 3.76  | 30.1  | 1.4   | 3.8   | 2.4   | 45    | 0.3   | 0.3   | 0.3   | 77    | 0.93  | 0.112 |    |      |
| 11YM0072 | Soil   |         | 1.3  | 24.8 | 8.0   | 81    | 0.3   | 16.8  | 14.5  | 775   | 3.70  | 16.4  | 1.3   | 4.4   | 3.1   | 35    | 0.2   | 0.2   | 0.1   | 71    | 0.69  | 0.082 |    |      |
| 11YM0073 | Soil   |         | 0.8  | 19.8 | 5.2   | 70    | <0.1  | 18.8  | 11.5  | 352   | 3.03  | 8.0   | 0.3   | 1.5   | 1.5   | 25    | <0.1  | 0.1   | <0.1  | 65    | 0.40  | 0.082 |    |      |
| 11YM0074 | Soil   |         | 0.9  | 16.8 | 4.4   | 64    | 0.1   | 12.9  | 8.6   | 266   | 2.51  | 7.2   | 0.3   | 1.6   | 1.1   | 21    | <0.1  | <0.1  | <0.1  | 57    | 0.37  | 0.071 |    |      |
| 11YM0075 | Soil   |         | 0.8  | 18.4 | 7.7   | 52    | 0.3   | 17.5  | 8.0   | 259   | 2.51  | 6.9   | 0.6   | 2.3   | 1.7   | 25    | <0.1  | 0.1   | <0.1  | 57    | 0.35  | 0.057 |    |      |
| 11YM0076 | Soil   |         | 0.8  | 16.7 | 6.0   | 52    | 0.3   | 20.2  | 9.1   | 283   | 2.44  | 3.8   | 0.6   | 2.7   | 1.5   | 26    | <0.1  | 0.1   | <0.1  | 54    | 0.36  | 0.063 |    |      |
| 11YM0077 | Soil   |         | 0.8  | 23.1 | 7.0   | 71    | 0.2   | 34.2  | 13.0  | 451   | 3.14  | 5.0   | 0.9   | 2.7   | 2.5   | 45    | 0.1   | 0.1   | <0.1  | 68    | 0.58  | 0.106 |    |      |
| 11YM0078 | Soil   |         | 0.9  | 19.0 | 7.3   | 75    | 0.1   | 13.9  | 10.5  | 472   | 3.01  | 5.8   | 0.8   | 2.6   | 2.2   | 38    | 0.1   | 0.3   | <0.1  | 64    | 0.70  | 0.054 |    |      |
| 11YM0079 | Soil   |         | 0.6  | 20.7 | 5.5   | 98    | 0.1   | 11.4  | 13.2  | 521   | 3.41  | 3.7   | 0.6   | 2.3   | 1.7   | 33    | <0.1  | 0.3   | <0.1  | 75    | 0.63  | 0.099 |    |      |
| 11YM0080 | Soil   |         | 0.6  | 19.8 | 8.0   | 114   | <0.1  | 14.5  | 12.5  | 373   | 3.47  | 6.4   | 0.5   | 1.6   | 2.6   | 39    | 0.1   | 0.3   | <0.1  | 71    | 0.83  | 0.138 |    |      |
| 11YM0081 | Soil   |         | 1.0  | 21.5 | 7.4   | 67    | <0.1  | 14.4  | 12.2  | 392   | 3.21  | 6.3   | 0.8   | 2.7   | 2.7   | 23    | <0.1  | 0.3   | 0.1   | 75    | 0.43  | 0.028 |    |      |
| 11YM0082 | Soil   |         | 1.0  | 29.1 | 6.9   | 68    | <0.1  | 19.5  | 12.1  | 312   | 3.30  | 8.7   | 0.5   | 2.4   | 2.4   | 19    | <0.1  | 0.4   | <0.1  | 76    | 0.30  | 0.035 |    |      |
| 11YM0083 | Soil   |         | 0.9  | 21.6 | 7.7   | 60    | <0.1  | 19.1  | 12.0  | 423   | 3.05  | 7.8   | 0.5   | 0.9   | 3.3   | 23    | <0.1  | 0.4   | 0.1   | 67    | 0.38  | 0.033 |    |      |
| 11YM0084 | Soil   |         | 0.9  | 20.5 | 5.5   | 76    | <0.1  | 11.8  | 11.6  | 519   | 3.65  | 5.6   | 0.4   | 1.1   | 2.0   | 14    | <0.1  | 0.2   | <0.1  | 79    | 0.26  | 0.047 |    |      |
| 11YM0085 | Soil   |         | 0.3  | 20.7 | 4.8   | 69    | <0.1  | 18.2  | 16.5  | 413   | 2.94  | 3.7   | 0.4   | 2.7   | 1.7   | 30    | <0.1  | 0.2   | <0.1  | 79    | 0.61  | 0.065 |    |      |
| 11YM0086 | Soil   |         | 0.5  | 17.8 | 5.0   | 91    | <0.1  | 15.9  | 17.1  | 470   | 3.60  | 4.6   | 0.3   | 1.8   | 2.0   | 23    | <0.1  | 0.2   | <0.1  | 88    | 0.38  | 0.052 |    |      |
| 11YM0087 | Soil   |         | 0.6  | 19.9 | 4.8   | 75    | <0.1  | 12.5  | 13.2  | 359   | 3.53  | 4.6   | 0.4   | 1.4   | 2.0   | 17    | <0.1  | 0.2   | <0.1  | 77    | 0.32  | 0.059 |    |      |
| 11YM0088 | Soil   |         | 0.6  | 27.8 | 4.0   | 88    | <0.1  | 6.6   | 15.0  | 276   | 4.12  | 4.4   | 0.3   | <0.5  | 1.6   | 13    | <0.1  | 0.1   | <0.1  | 88    | 0.17  | 0.034 |    |      |
| 11YM0089 | Soil   |         | 1.0  | 24.9 | 7.7   | 71    | <0.1  | 16.4  | 8.4   | 277   | 3.41  | 6.6   | 0.6   | 1.2   | 3.8   | 13    | <0.1  | 0.3   | <0.1  | 64    | 0.19  | 0.041 |    |      |
| 11YM0090 | Soil   |         | 0.9  | 23.7 | 4.9   | 85    | <0.1  | 9.9   | 11.4  | 340   | 3.88  | 4.2   | 0.4   | 1.0   | 1.9   | 19    | <0.1  | 0.2   | <0.1  | 83    | 0.22  | 0.040 |    |      |
| 11YM0091 | Soil   |         | 2.2  | 37.0 | 7.0   | 66    | <0.1  | 17.3  | 14.1  | 297   | 3.89  | 6.7   | 0.5   | 2.9   | 2.9   | 19    | <0.1  | 0.4   | <0.1  | 88    | 0.17  | 0.039 |    |      |
| 11YM0092 | Soil   |         | 0.7  | 19.5 | 5.3   | 91    | <0.1  | 12.4  | 16.1  | 467   | 3.68  | 3.7   | 0.5   | 1.3   | 2.2   | 11    | 0.1   | 0.2   | <0.1  | 102   | 0.27  | 0.110 |    |      |
| 11YM0093 | Soil   |         | 1.1  | 18.5 | 7.9   | 67    | 0.1   | 13.9  | 12.1  | 264   | 3.45  | 6.6   | 0.6   | 3.9   | 3.0   | 15    | <0.1  | 0.3   | 0.1   | 84    | 0.21  | 0.058 |    |      |
| 11YM0094 | Soil   |         | 0.8  | 18.9 | 7.8   | 83    | 0.1   | 11.9  | 12.7  | 422   | 3.33  | 3.1   | 0.8   | 1.4   | 2.5   | 15    | 0.1   | 0.2   | 0.1   | 75    | 0.23  | 0.083 |    |      |
| 11YM0095 | Soil   |         | 0.8  | 17.2 | 6.3   | 60    | <0.1  | 11.5  | 11.7  | 324   | 2.86  | 4.6   | 0.3   | 1.4   | 1.3   | 18    | <0.1  | 0.1   | <0.1  | 71    | 0.41  | 0.040 |    |      |
| 11YM0096 | Soil   |         | 1.2  | 24.1 | 7.0   | 57    | <0.1  | 12.7  | 12.8  | 372   | 2.98  | 5.7   | 0.5   | 5.5   | 1.8   | 20    | <0.1  | 0.2   | <0.1  | 71    | 0.35  | 0.040 |    |      |
| 11YM0097 | Soil   |         | 0.9  | 25.0 | 9.0   | 64    | <0.1  | 21.0  | 14.3  | 344   | 3.21  | 7.5   | 0.6   | 9.2   | 3.0   | 23    | <0.1  | 0.4   | 0.1   | 71    | 0.35  | 0.042 |    |      |
| 11YM0098 | Soil   |         | 0.6  | 21.1 | 5.8   | 84    | <0.1  | 15.3  | 15.0  | 447   | 3.56  | 5.1   | 0.3   | 0.6   | 1.2   | 25    | <0.1  | 0.2   | <0.1  | 86    | 0.45  | 0.047 |    |      |
| 11YM0099 | Soil   |         | 0.9  | 14.5 | 5.4   | 71    | <0.1  | 12.2  | 15.4  | 529   | 3.16  | 3.7   | 0.2   | 1.1   | 1.2   | 24    | <0.1  | 0.2   | <0.1  | 66    | 0.38  | 0.049 |    |      |



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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0070 | Soil                             | 19    | 24    | 0.96  | 346   | 0.112 | <1    | 1.75  | 0.016 | 0.15  | <0.1  | 0.04  | 7.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0071 | Soil                             | 26    | 30    | 0.92  | 415   | 0.084 | <1    | 1.71  | 0.015 | 0.14  | <0.1  | 0.04  | 7.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0072 | Soil                             | 21    | 27    | 0.87  | 284   | 0.104 | <1    | 1.73  | 0.012 | 0.23  | 0.1   | 0.04  | 6.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0073 | Soil                             | 7     | 34    | 0.94  | 190   | 0.156 | <1    | 1.56  | 0.016 | 0.32  | <0.1  | 0.01  | 2.5   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0074 | Soil                             | 6     | 26    | 0.80  | 187   | 0.154 | <1    | 1.41  | 0.014 | 0.33  | <0.1  | <0.01 | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0075 | Soil                             | 10    | 31    | 0.76  | 256   | 0.160 | <1    | 1.54  | 0.014 | 0.17  | <0.1  | 0.02  | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0076 | Soil                             | 10    | 34    | 0.84  | 223   | 0.169 | <1    | 1.51  | 0.015 | 0.28  | 0.1   | 0.03  | 2.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0077 | Soil                             | 15    | 48    | 1.20  | 358   | 0.178 | <1    | 1.85  | 0.020 | 0.26  | 0.1   | 0.03  | 3.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0078 | Soil                             | 11    | 23    | 0.84  | 426   | 0.163 | <1    | 1.82  | 0.019 | 0.49  | <0.1  | 0.02  | 3.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0079 | Soil                             | 7     | 18    | 1.19  | 508   | 0.236 | 2     | 2.08  | 0.014 | 0.89  | <0.1  | 0.02  | 2.9   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0080 | Soil                             | 8     | 23    | 1.04  | 450   | 0.203 | 3     | 2.12  | 0.013 | 0.73  | 0.1   | 0.02  | 2.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0081 | Soil                             | 10    | 23    | 0.87  | 283   | 0.206 | 3     | 1.94  | 0.015 | 0.46  | 0.1   | 0.02  | 3.3   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0082 | Soil                             | 8     | 25    | 0.95  | 230   | 0.185 | 2     | 2.11  | 0.015 | 0.40  | 0.1   | 0.02  | 2.9   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0083 | Soil                             | 10    | 28    | 0.77  | 262   | 0.170 | 3     | 1.76  | 0.013 | 0.40  | 0.1   | 0.01  | 3.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0084 | Soil                             | 6     | 18    | 1.10  | 285   | 0.257 | 2     | 2.14  | 0.013 | 0.93  | 0.1   | 0.01  | 2.6   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0085 | Soil                             | 6     | 24    | 1.55  | 260   | 0.234 | 2     | 2.35  | 0.031 | 0.55  | 0.1   | 0.01  | 4.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0086 | Soil                             | 6     | 23    | 1.73  | 287   | 0.277 | 2     | 2.49  | 0.017 | 0.94  | 0.1   | 0.01  | 3.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0087 | Soil                             | 9     | 19    | 1.06  | 282   | 0.249 | 1     | 2.05  | 0.013 | 0.69  | 0.2   | <0.01 | 3.4   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0088 | Soil                             | 6     | 8     | 1.26  | 213   | 0.312 | 2     | 2.50  | 0.013 | 1.08  | 0.1   | <0.01 | 2.6   | 0.5   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0089 | Soil                             | 12    | 21    | 0.58  | 226   | 0.138 | <1    | 1.77  | 0.010 | 0.33  | 0.1   | <0.01 | 5.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0090 | Soil                             | 8     | 14    | 0.91  | 287   | 0.254 | 1     | 2.22  | 0.018 | 0.75  | 0.1   | <0.01 | 4.8   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0091 | Soil                             | 9     | 26    | 0.86  | 265   | 0.206 | 2     | 2.56  | 0.015 | 0.38  | <0.1  | 0.02  | 4.0   | 0.2   | 0.06  | 7     | <0.5  | <0.2  |
| 11YM0092 | Soil                             | 10    | 22    | 1.34  | 213   | 0.154 | <1    | 2.25  | 0.015 | 0.37  | 0.1   | 0.01  | 6.5   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0093 | Soil                             | 10    | 30    | 0.80  | 178   | 0.130 | 2     | 2.09  | 0.012 | 0.15  | 0.1   | 0.03  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0094 | Soil                             | 11    | 26    | 1.17  | 291   | 0.143 | 1     | 2.14  | 0.011 | 0.19  | <0.1  | 0.03  | 7.8   | 0.1   | <0.05 | 10    | <0.5  | <0.2  |
| 11YM0095 | Soil                             | 5     | 18    | 0.97  | 220   | 0.202 | <1    | 1.75  | 0.011 | 0.40  | 0.1   | 0.01  | 1.8   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0096 | Soil                             | 7     | 21    | 0.85  | 233   | 0.205 | <1    | 1.79  | 0.013 | 0.37  | 0.1   | 0.01  | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0097 | Soil                             | 10    | 30    | 0.86  | 277   | 0.174 | <1    | 1.97  | 0.016 | 0.23  | 0.1   | 0.02  | 3.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0098 | Soil                             | 5     | 25    | 1.41  | 330   | 0.263 | <1    | 2.38  | 0.012 | 0.63  | 0.1   | 0.01  | 2.1   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0099 | Soil                             | 4     | 19    | 0.99  | 296   | 0.241 | 2     | 2.06  | 0.013 | 0.63  | 0.1   | <0.01 | 1.4   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |



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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11YM0100 | Soil                             | 1.5   | 9.4   | 6.3   | 45    | 0.1   | 9.6   | 8.7   | 344   | 2.33  | 4.3   | 0.4   | <0.5  | 2.6   | 15    | <0.1  | 0.2   | 0.1   | 41    | 0.19  | 0.034 |
| 11YM0101 | Soil                             | 0.9   | 20.4  | 8.2   | 61    | <0.1  | 15.6  | 13.6  | 320   | 3.06  | 5.4   | 0.3   | 0.8   | 1.9   | 19    | <0.1  | 0.3   | <0.1  | 71    | 0.31  | 0.026 |
| 11MS0102 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11YM0103 | Soil                             | 1.4   | 28.8  | 6.7   | 79    | 0.1   | 12.7  | 11.8  | 541   | 3.85  | 5.1   | 0.7   | 14.3  | 3.8   | 15    | <0.1  | 0.2   | <0.1  | 58    | 0.50  | 0.084 |
| 11YM0104 | Soil                             | 0.8   | 24.4  | 5.0   | 73    | <0.1  | 17.1  | 16.4  | 421   | 3.54  | 3.1   | 0.4   | 12.0  | 2.5   | 21    | <0.1  | 0.2   | <0.1  | 69    | 0.47  | 0.034 |
| 11YM0105 | Soil                             | 1.1   | 21.3  | 8.2   | 63    | <0.1  | 12.1  | 12.0  | 346   | 3.17  | 5.4   | 0.6   | 2.9   | 2.2   | 17    | <0.1  | 0.3   | 0.1   | 71    | 0.29  | 0.019 |
| 11YM0106 | Soil                             | 0.7   | 52.2  | 4.9   | 86    | <0.1  | 14.5  | 22.2  | 521   | 4.67  | 3.9   | 0.3   | 1.1   | 1.5   | 17    | <0.1  | 0.2   | <0.1  | 140   | 0.40  | 0.022 |
| 11YM0107 | Soil                             | 0.9   | 36.3  | 9.9   | 60    | 0.2   | 17.1  | 15.4  | 533   | 3.25  | 5.7   | 0.6   | 2.6   | 2.6   | 29    | <0.1  | 0.3   | 0.1   | 80    | 0.51  | 0.025 |
| 11YM0108 | Soil                             | 0.6   | 36.2  | 4.7   | 77    | <0.1  | 13.0  | 18.1  | 430   | 4.05  | 3.3   | 0.2   | 0.7   | 1.1   | 19    | <0.1  | 0.2   | <0.1  | 113   | 0.43  | 0.031 |
| 11YM0109 | Soil                             | 1.5   | 30.4  | 4.6   | 55    | <0.1  | 13.1  | 13.1  | 383   | 3.27  | 4.1   | 0.3   | 3.0   | 1.1   | 20    | <0.1  | 0.2   | <0.1  | 64    | 0.28  | 0.025 |
| 11YM0110 | Soil                             | 1.0   | 17.5  | 3.0   | 69    | <0.1  | 7.8   | 10.0  | 412   | 3.12  | 3.9   | 0.3   | 0.8   | 1.8   | 12    | <0.1  | 0.2   | <0.1  | 49    | 0.32  | 0.063 |
| 11YM0111 | Soil                             | 0.8   | 26.9  | 3.5   | 67    | <0.1  | 12.0  | 11.1  | 348   | 2.90  | 3.3   | 0.4   | 2.1   | 2.1   | 15    | <0.1  | 0.2   | <0.1  | 57    | 0.37  | 0.052 |
| 11YM0112 | Soil                             | 0.7   | 23.3  | 4.1   | 62    | <0.1  | 11.1  | 11.0  | 379   | 2.95  | 3.2   | 0.4   | 2.5   | 1.5   | 17    | <0.1  | 0.2   | <0.1  | 61    | 0.34  | 0.039 |
| 11YM0113 | Soil                             | 0.6   | 20.5  | 7.5   | 78    | 0.1   | 20.4  | 13.1  | 553   | 2.95  | 6.7   | 1.1   | 4.1   | 2.4   | 58    | 0.3   | 0.2   | 0.1   | 68    | 0.84  | 0.128 |
| 11YM0114 | Soil                             | 1.0   | 17.5  | 7.2   | 75    | 0.1   | 11.1  | 9.8   | 262   | 2.41  | 3.7   | 0.6   | 2.8   | 1.8   | 27    | 0.1   | 0.1   | 0.1   | 53    | 0.42  | 0.075 |
| 11YM0115 | Soil                             | 1.0   | 16.7  | 6.4   | 71    | <0.1  | 11.2  | 11.7  | 265   | 2.38  | 4.1   | 0.6   | 2.4   | 1.8   | 27    | 0.1   | 0.1   | <0.1  | 47    | 0.39  | 0.071 |
| 11YM0116 | Soil                             | 0.7   | 16.4  | 6.1   | 76    | 0.1   | 13.8  | 12.4  | 257   | 2.34  | 3.3   | 0.6   | 5.6   | 1.6   | 30    | <0.1  | 0.2   | <0.1  | 41    | 0.34  | 0.062 |
| 11YM0117 | Soil                             | 1.3   | 27.4  | 9.6   | 85    | 0.2   | 19.6  | 16.4  | 544   | 3.14  | 3.4   | 0.8   | 4.9   | 2.3   | 36    | 0.1   | 0.2   | 0.1   | 64    | 0.49  | 0.081 |
| 11YM0118 | Soil                             | 1.3   | 29.2  | 9.1   | 90    | 0.2   | 20.9  | 16.7  | 577   | 3.30  | 3.5   | 0.8   | 4.4   | 2.4   | 37    | 0.1   | 0.2   | 0.1   | 65    | 0.52  | 0.082 |
| 11YM0119 | Soil                             | 1.2   | 22.9  | 7.5   | 71    | <0.1  | 23.7  | 13.2  | 411   | 3.22  | 4.7   | 0.8   | 2.6   | 3.5   | 27    | <0.1  | 0.2   | <0.1  | 61    | 0.51  | 0.078 |
| 11YM0120 | Soil                             | 1.1   | 38.2  | 9.0   | 66    | 0.2   | 20.1  | 14.1  | 777   | 3.12  | 6.0   | 1.9   | 3.8   | 4.3   | 29    | 0.2   | 0.3   | 0.2   | 61    | 0.36  | 0.066 |
| 11YM0121 | Soil                             | 1.4   | 23.3  | 9.8   | 48    | 0.2   | 15.9  | 10.4  | 352   | 2.81  | 5.6   | 0.7   | 4.1   | 3.5   | 20    | <0.1  | 0.4   | 0.1   | 60    | 0.22  | 0.028 |
| 11YM0122 | Soil                             | 1.1   | 16.7  | 8.7   | 58    | <0.1  | 14.1  | 8.0   | 277   | 2.74  | 6.1   | 0.5   | 3.1   | 4.0   | 19    | <0.1  | 0.3   | 0.1   | 52    | 0.21  | 0.030 |
| 11YM0123 | Soil                             | 1.2   | 31.7  | 7.2   | 71    | <0.1  | 14.2  | 11.8  | 367   | 3.64  | 5.4   | 0.7   | 1.6   | 4.1   | 15    | <0.1  | 0.3   | 0.1   | 81    | 0.19  | 0.030 |
| 11YM0124 | Soil                             | 2.4   | 20.1  | 8.0   | 55    | 0.2   | 12.3  | 8.9   | 394   | 2.72  | 5.3   | 0.6   | 2.1   | 2.5   | 21    | <0.1  | 0.3   | 0.1   | 58    | 0.24  | 0.028 |
| 11YM0125 | Soil                             | 1.9   | 45.4  | 22.9  | 64    | <0.1  | 3.9   | 6.9   | 204   | 2.05  | 5.0   | 0.8   | 2.9   | 3.2   | 27    | <0.1  | 0.2   | <0.1  | 20    | 0.27  | 0.055 |
| 11YM0126 | Soil                             | 0.7   | 24.7  | 4.0   | 98    | <0.1  | 17.0  | 13.1  | 545   | 4.34  | 3.7   | 0.5   | 1.2   | 3.1   | 19    | <0.1  | 0.1   | <0.1  | 73    | 0.26  | 0.030 |
| 11YM0127 | Soil                             | 0.8   | 25.6  | 7.3   | 76    | <0.1  | 17.8  | 12.4  | 328   | 3.26  | 6.5   | 0.7   | 2.8   | 3.1   | 30    | <0.1  | 0.4   | 0.1   | 67    | 0.43  | 0.045 |
| 11YM0128 | Soil                             | 0.7   | 12.0  | 9.7   | 78    | <0.1  | 9.3   | 6.7   | 305   | 2.35  | 4.3   | 0.4   | 1.5   | 1.5   | 27    | <0.1  | 0.2   | <0.1  | 47    | 0.23  | 0.039 |
| 11YM0129 | Soil                             | 0.2   | 13.3  | 2.5   | 94    | <0.1  | 13.1  | 11.4  | 568   | 3.15  | 2.3   | 0.7   | 1.2   | 5.0   | 12    | <0.1  | <0.1  | <0.1  | 44    | 0.19  | 0.044 |



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Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0100 | Soil                             | 7     | 16    | 0.46  | 169   | 0.086 | <1    | 1.59  | 0.014 | 0.16  | <0.1  | 0.01  | 1.5   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0101 | Soil                             | 5     | 24    | 0.89  | 196   | 0.181 | <1    | 2.16  | 0.015 | 0.35  | 0.1   | <0.01 | 2.3   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0102 | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11YM0103 | Soil                             | 12    | 19    | 0.95  | 361   | 0.167 | <1    | 2.13  | 0.010 | 0.54  | 0.1   | 0.03  | 4.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0104 | Soil                             | 7     | 27    | 1.48  | 351   | 0.295 | <1    | 2.52  | 0.012 | 0.75  | 0.1   | <0.01 | 2.2   | 0.4   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0105 | Soil                             | 7     | 22    | 0.82  | 234   | 0.186 | <1    | 1.87  | 0.013 | 0.40  | 0.1   | 0.02  | 3.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0106 | Soil                             | 4     | 22    | 1.46  | 240   | 0.263 | <1    | 2.61  | 0.025 | 0.68  | <0.1  | 0.01  | 6.1   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0107 | Soil                             | 9     | 27    | 0.93  | 298   | 0.173 | 1     | 1.95  | 0.021 | 0.32  | 0.1   | 0.03  | 4.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0108 | Soil                             | 3     | 24    | 1.43  | 201   | 0.290 | <1    | 2.52  | 0.023 | 0.90  | 0.1   | <0.01 | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0109 | Soil                             | 4     | 21    | 1.08  | 181   | 0.226 | <1    | 1.88  | 0.010 | 0.67  | 0.1   | <0.01 | 1.9   | 0.3   | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0110 | Soil                             | 4     | 13    | 1.02  | 179   | 0.219 | <1    | 1.80  | 0.007 | 0.80  | 0.1   | <0.01 | 2.2   | 0.4   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0111 | Soil                             | 5     | 24    | 0.85  | 190   | 0.158 | <1    | 1.50  | 0.009 | 0.54  | 0.1   | <0.01 | 3.5   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0112 | Soil                             | 6     | 21    | 0.91  | 228   | 0.201 | <1    | 1.68  | 0.010 | 0.61  | 0.1   | 0.01  | 2.6   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0113 | Soil                             | 19    | 29    | 0.91  | 430   | 0.095 | 2     | 1.56  | 0.016 | 0.14  | 0.2   | 0.04  | 5.9   | 0.2   | 0.06  | 6     | <0.5  | <0.2  |
| 11YM0114 | Soil                             | 10    | 20    | 0.66  | 212   | 0.078 | <1    | 1.35  | 0.014 | 0.08  | <0.1  | 0.03  | 3.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0115 | Soil                             | 12    | 18    | 0.74  | 216   | 0.066 | <1    | 1.49  | 0.011 | 0.07  | <0.1  | 0.04  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0116 | Soil                             | 12    | 20    | 1.02  | 220   | 0.081 | 1     | 1.78  | 0.014 | 0.11  | 0.1   | 0.04  | 5.3   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0117 | Soil                             | 14    | 31    | 1.02  | 323   | 0.071 | 1     | 1.91  | 0.014 | 0.13  | 0.1   | 0.03  | 5.9   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11YM0118 | Soil                             | 15    | 33    | 1.05  | 333   | 0.084 | 1     | 2.01  | 0.016 | 0.14  | 0.1   | 0.04  | 6.5   | 0.1   | 0.05  | 8     | <0.5  | <0.2  |
| 11YM0119 | Soil                             | 11    | 32    | 1.03  | 221   | 0.210 | 1     | 1.86  | 0.015 | 0.43  | 0.2   | 0.01  | 2.8   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0120 | Soil                             | 22    | 29    | 0.63  | 316   | 0.145 | 2     | 1.85  | 0.020 | 0.26  | 0.1   | 0.03  | 3.8   | 0.2   | <0.05 | 6     | 0.5   | <0.2  |
| 11YM0121 | Soil                             | 14    | 27    | 0.51  | 233   | 0.126 | <1    | 1.59  | 0.013 | 0.17  | 0.1   | 0.02  | 2.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0122 | Soil                             | 8     | 22    | 0.60  | 171   | 0.127 | 1     | 1.69  | 0.010 | 0.25  | 0.1   | 0.01  | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0123 | Soil                             | 8     | 18    | 0.87  | 191   | 0.214 | <1    | 2.13  | 0.010 | 0.58  | 0.1   | <0.01 | 3.5   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0124 | Soil                             | 9     | 27    | 0.65  | 252   | 0.172 | <1    | 1.75  | 0.015 | 0.24  | 0.1   | 0.01  | 2.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0125 | Soil                             | 13    | 6     | 0.34  | 832   | 0.026 | <1    | 1.08  | 0.006 | 0.21  | <0.1  | <0.01 | 1.7   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0126 | Soil                             | 6     | 43    | 1.25  | 248   | 0.270 | <1    | 2.35  | 0.010 | 1.00  | 0.1   | <0.01 | 4.9   | 0.5   | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0127 | Soil                             | 11    | 33    | 0.90  | 265   | 0.167 | <1    | 1.97  | 0.015 | 0.19  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0128 | Soil                             | 4     | 17    | 0.60  | 199   | 0.114 | <1    | 1.63  | 0.009 | 0.20  | 0.1   | 0.01  | 1.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0129 | Soil                             | 9     | 31    | 0.99  | 146   | 0.245 | <1    | 1.77  | 0.009 | 0.99  | 0.1   | <0.01 | 1.7   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11YM0130 | Soil                             | 0.8   | 21.6  | 7.6   | 64    | <0.1  | 16.3  | 11.5  | 381   | 2.72  | 4.5   | 0.4   | 2.4   | 1.9   | 21    | <0.1  | 0.2   | <0.1  | 59    | 0.41  |
| 11YM0131 | Soil                             | 0.8   | 22.4  | 10.1  | 90    | <0.1  | 19.7  | 14.6  | 458   | 3.19  | 4.5   | 0.4   | 1.3   | 2.0   | 21    | <0.1  | 0.3   | <0.1  | 67    | 0.44  |
| 11YM0132 | Soil                             | 0.7   | 24.3  | 5.8   | 97    | <0.1  | 13.6  | 12.4  | 428   | 3.12  | 3.0   | 0.5   | 2.0   | 2.6   | 21    | <0.1  | 0.2   | <0.1  | 54    | 0.44  |
| 11YM0133 | Soil                             | 0.7   | 24.9  | 5.4   | 104   | <0.1  | 15.8  | 11.0  | 444   | 3.19  | 3.7   | 0.5   | 1.6   | 3.4   | 22    | <0.1  | 0.2   | <0.1  | 57    | 0.37  |
| 11YM0134 | Soil                             | 1.3   | 42.7  | 8.1   | 86    | 0.1   | 48.5  | 19.6  | 584   | 4.28  | 6.5   | 1.0   | 8.6   | 5.2   | 25    | 0.2   | 0.3   | <0.1  | 72    | 0.51  |
| 11YM0135 | Soil                             | 0.5   | 32.8  | 4.4   | 57    | <0.1  | 26.2  | 21.4  | 173   | 3.53  | 1.6   | 0.7   | 0.8   | 2.8   | 16    | <0.1  | 0.1   | <0.1  | 54    | 0.27  |
| 11YM0136 | Soil                             | 1.1   | 75.9  | 4.9   | 67    | 0.2   | 11.0  | 14.4  | 267   | 3.39  | 3.7   | 0.8   | 2.0   | 5.0   | 27    | <0.1  | 0.3   | <0.1  | 72    | 0.29  |
| 11YM0137 | Soil                             | 2.0   | 31.8  | 7.5   | 80    | <0.1  | 40.1  | 20.5  | 702   | 3.51  | 5.6   | 0.7   | 2.4   | 1.9   | 38    | 0.2   | 0.2   | <0.1  | 80    | 0.62  |
| 11YM0138 | Soil                             | 1.3   | 27.5  | 6.4   | 72    | <0.1  | 23.3  | 14.6  | 570   | 2.91  | 4.6   | 0.8   | 3.0   | 2.1   | 52    | 0.1   | 0.3   | 0.1   | 65    | 0.90  |
| 11YM0139 | Soil                             | 1.0   | 23.8  | 6.7   | 86    | <0.1  | 17.6  | 14.3  | 453   | 3.41  | 6.5   | 0.8   | 2.3   | 3.2   | 44    | <0.1  | 0.3   | 0.1   | 76    | 0.74  |
| 11YM0140 | Soil                             | 0.9   | 18.2  | 5.4   | 77    | <0.1  | 16.4  | 12.3  | 498   | 3.04  | 6.6   | 0.7   | 2.1   | 2.6   | 38    | 0.2   | 0.2   | 0.1   | 69    | 0.68  |



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**Project:** Mariposa  
**Report Date:** December 07, 2011

**Page:** 11 of 11 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001369.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0130 | Soil                             | 5     | 31    | 0.81  | 169   | 0.119 | <1    | 1.59  | 0.014 | 0.32  | <0.1  | <0.01 | 3.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0131 | Soil                             | 5     | 31    | 0.85  | 262   | 0.087 | 1     | 1.86  | 0.012 | 0.35  | 0.1   | 0.01  | 3.6   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11YM0132 | Soil                             | 6     | 26    | 1.06  | 221   | 0.164 | 2     | 1.85  | 0.008 | 0.70  | 0.1   | <0.01 | 2.1   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0133 | Soil                             | 9     | 29    | 1.12  | 221   | 0.200 | <1    | 1.93  | 0.014 | 0.74  | <0.1  | <0.01 | 3.3   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0134 | Soil                             | 23    | 69    | 1.37  | 357   | 0.072 | <1    | 2.33  | 0.020 | 0.20  | <0.1  | 0.02  | 8.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0135 | Soil                             | 13    | 27    | 1.08  | 159   | 0.097 | <1    | 1.61  | 0.011 | 0.28  | <0.1  | <0.01 | 4.0   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0136 | Soil                             | 18    | 14    | 0.69  | 265   | 0.082 | <1    | 1.43  | 0.018 | 0.37  | <0.1  | 0.02  | 4.6   | 0.2   | 0.13  | 5     | 0.5   | <0.2  |
| 11YM0137 | Soil                             | 11    | 59    | 1.21  | 261   | 0.068 | <1    | 2.02  | 0.019 | 0.07  | 0.1   | 0.05  | 6.7   | <0.1  | 0.07  | 7     | <0.5  | <0.2  |
| 11YM0138 | Soil                             | 11    | 33    | 0.89  | 281   | 0.067 | 1     | 1.53  | 0.017 | 0.12  | 0.1   | 0.06  | 6.5   | <0.1  | 0.08  | 5     | 0.5   | <0.2  |
| 11YM0139 | Soil                             | 11    | 27    | 0.96  | 258   | 0.109 | 1     | 1.72  | 0.019 | 0.25  | 0.1   | 0.03  | 7.0   | 0.1   | 0.06  | 6     | <0.5  | <0.2  |
| 11YM0140 | Soil                             | 10    | 26    | 0.85  | 239   | 0.096 | <1    | 1.52  | 0.018 | 0.25  | 0.1   | 0.03  | 5.8   | 0.1   | 0.07  | 6     | 0.6   | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001369.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|                 |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|                 |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| Pulp Duplicates |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11MS0004        | Soil                             | 1.1   | 39.1  | 10.2  | 71    | <0.1  | 18.5  | 11.0  | 268   | 3.25  | 9.2   | 0.8   | 2.2   | 3.8   | 13    | <0.1  | 0.5   | 0.2   | 70    | 0.17  | 0.051 |
| REP 11MS0004    | QC                               | 1.1   | 37.1  | 10.2  | 68    | <0.1  | 18.4  | 10.9  | 256   | 3.21  | 9.2   | 0.9   | 3.2   | 3.9   | 13    | <0.1  | 0.5   | 0.2   | 70    | 0.18  | 0.051 |
| 11MS0021        | Soil                             | 0.8   | 20.9  | 8.6   | 74    | 0.1   | 53.3  | 15.0  | 418   | 3.41  | 5.4   | 0.7   | 0.7   | 2.8   | 52    | <0.1  | 0.1   | <0.1  | 75    | 0.67  | 0.143 |
| REP 11MS0021    | QC                               | 0.7   | 20.8  | 9.1   | 74    | <0.1  | 52.7  | 14.8  | 429   | 3.42  | 5.5   | 0.7   | 2.3   | 2.8   | 54    | <0.1  | 0.1   | <0.1  | 76    | 0.69  | 0.138 |
| 11MS0039        | Soil                             | 0.8   | 14.8  | 9.4   | 61    | <0.1  | 11.9  | 8.6   | 272   | 2.58  | 6.1   | 0.5   | 2.9   | 2.6   | 18    | <0.1  | 0.2   | 0.1   | 53    | 0.25  | 0.060 |
| REP 11MS0039    | QC                               | 0.9   | 14.6  | 9.8   | 61    | <0.1  | 11.2  | 8.5   | 266   | 2.52  | 6.3   | 0.5   | 0.7   | 2.4   | 17    | <0.1  | 0.2   | 0.1   | 51    | 0.24  | 0.058 |
| 11MS0072        | Soil                             | 0.9   | 38.0  | 6.5   | 87    | <0.1  | 14.4  | 14.0  | 479   | 3.29  | 6.0   | 0.8   | 2.2   | 3.6   | 32    | 0.1   | 0.2   | <0.1  | 68    | 0.63  | 0.100 |
| REP 11MS0072    | QC                               | 0.9   | 39.7  | 6.6   | 88    | <0.1  | 14.0  | 14.8  | 501   | 3.48  | 6.7   | 0.8   | 3.1   | 3.7   | 33    | <0.1  | 0.2   | <0.1  | 71    | 0.65  | 0.106 |
| 11MS0083        | Soil                             | 0.8   | 13.1  | 7.5   | 58    | <0.1  | 9.2   | 8.0   | 272   | 2.29  | 4.4   | 0.3   | 1.4   | 1.4   | 17    | <0.1  | 0.2   | <0.1  | 45    | 0.20  | 0.028 |
| REP 11MS0083    | QC                               | 1.0   | 13.2  | 7.7   | 58    | <0.1  | 8.7   | 8.0   | 279   | 2.36  | 4.7   | 0.4   | 1.2   | 1.4   | 17    | <0.1  | 0.2   | <0.1  | 46    | 0.22  | 0.029 |
| 11MS0101        | Soil                             | 0.7   | 10.7  | 14.5  | 79    | <0.1  | 15.0  | 12.7  | 778   | 3.87  | 4.7   | 0.4   | 1.9   | 3.1   | 23    | <0.1  | 0.3   | <0.1  | 83    | 0.31  | 0.065 |
| REP 11MS0101    | QC                               | 0.8   | 10.6  | 14.5  | 80    | <0.1  | 16.0  | 12.9  | 784   | 3.90  | 4.7   | 0.4   | 1.4   | 3.2   | 23    | 0.1   | 0.3   | <0.1  | 85    | 0.31  | 0.069 |
| 11MS0119        | Soil                             | 1.1   | 18.3  | 11.6  | 91    | <0.1  | 29.4  | 12.8  | 420   | 3.05  | 3.5   | 1.9   | 1.7   | 11.2  | 50    | 0.1   | 0.2   | 0.1   | 39    | 0.46  | 0.118 |
| REP 11MS0119    | QC                               | 1.2   | 18.3  | 11.7  | 90    | <0.1  | 29.6  | 12.3  | 409   | 3.00  | 3.2   | 1.8   | 1.2   | 11.3  | 50    | 0.2   | 0.2   | <0.1  | 39    | 0.45  | 0.114 |
| 11MS0127        | Soil                             | 1.8   | 89.3  | 17.2  | 77    | <0.1  | 80.3  | 32.8  | 722   | 5.09  | 4.8   | 0.8   | 1.0   | 3.9   | 45    | <0.1  | 0.2   | 0.3   | 152   | 0.61  | 0.091 |
| REP 11MS0127    | QC                               | 1.6   | 89.1  | 16.9  | 76    | <0.1  | 80.1  | 32.5  | 730   | 4.97  | 4.5   | 0.8   | 0.9   | 3.6   | 43    | <0.1  | 0.2   | 0.3   | 148   | 0.57  | 0.089 |
| 11YM0022        | Soil                             | 0.5   | 31.1  | 6.6   | 83    | 0.1   | 73.3  | 19.4  | 572   | 3.75  | 2.7   | 1.3   | 2.0   | 4.2   | 92    | 0.1   | 0.1   | <0.1  | 85    | 1.08  | 0.225 |
| REP 11YM0022    | QC                               | 0.6   | 31.5  | 6.5   | 84    | 0.1   | 74.7  | 20.2  | 606   | 3.78  | 2.8   | 1.3   | 1.1   | 4.3   | 94    | 0.1   | 0.1   | <0.1  | 89    | 1.10  | 0.226 |
| 11YM0029        | Soil                             | 1.4   | 26.2  | 6.2   | 73    | 0.1   | 14.1  | 14.7  | 312   | 4.00  | 6.4   | 0.5   | 2.7   | 2.5   | 19    | <0.1  | 0.2   | <0.1  | 92    | 0.35  | 0.069 |
| REP 11YM0029    | QC                               | 1.3   | 25.8  | 6.0   | 75    | 0.1   | 13.7  | 14.1  | 301   | 3.95  | 6.0   | 0.5   | 1.5   | 2.3   | 19    | <0.1  | 0.2   | <0.1  | 91    | 0.32  | 0.067 |
| 11YM0060        | Soil                             | 1.1   | 29.7  | 7.4   | 62    | 0.3   | 12.5  | 12.8  | 402   | 2.91  | 5.5   | 1.2   | 3.5   | 2.5   | 33    | <0.1  | 0.2   | <0.1  | 53    | 0.54  | 0.066 |
| REP 11YM0060    | QC                               | 1.2   | 30.0  | 7.2   | 63    | 0.3   | 12.1  | 12.9  | 400   | 2.96  | 5.4   | 1.2   | 4.3   | 2.5   | 33    | <0.1  | 0.2   | <0.1  | 53    | 0.53  | 0.069 |
| 11YM0074        | Soil                             | 0.9   | 16.8  | 4.4   | 64    | 0.1   | 12.9  | 8.6   | 266   | 2.51  | 7.2   | 0.3   | 1.6   | 1.1   | 21    | <0.1  | <0.1  | <0.1  | 57    | 0.37  | 0.071 |
| REP 11YM0074    | QC                               | 1.0   | 16.1  | 4.3   | 61    | <0.1  | 12.1  | 8.7   | 267   | 2.45  | 6.9   | 0.3   | 1.2   | 1.1   | 21    | <0.1  | <0.1  | <0.1  | 55    | 0.38  | 0.074 |
| 11YM0090        | Soil                             | 0.9   | 23.7  | 4.9   | 85    | <0.1  | 9.9   | 11.4  | 340   | 3.88  | 4.2   | 0.4   | 1.0   | 1.9   | 19    | <0.1  | 0.2   | <0.1  | 83    | 0.22  | 0.040 |
| REP 11YM0090    | QC                               | 0.9   | 23.6  | 4.9   | 88    | <0.1  | 10.3  | 11.7  | 347   | 3.96  | 4.3   | 0.4   | 0.9   | 1.9   | 19    | <0.1  | 0.2   | <0.1  | 83    | 0.22  | 0.040 |
| 11YM0108        | Soil                             | 0.6   | 36.2  | 4.7   | 77    | <0.1  | 13.0  | 18.1  | 430   | 4.05  | 3.3   | 0.2   | 0.7   | 1.1   | 19    | <0.1  | 0.2   | <0.1  | 113   | 0.43  | 0.031 |
| REP 11YM0108    | QC                               | 0.5   | 33.5  | 4.4   | 72    | <0.1  | 12.7  | 17.1  | 397   | 3.75  | 2.9   | 0.2   | <0.5  | 1.0   | 18    | <0.1  | 0.2   | <0.1  | 107   | 0.40  | 0.029 |



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Report Date: December 07, 2011

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## QUALITY CONTROL REPORT

WHI11001369.1

|                 | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|                 |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                 |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11MS0004        | Soil                             | 13    | 34    | 0.75  | 205   | 0.088 | 2     | 2.15  | 0.012 | 0.08  | 0.2   | 0.03  | 4.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| REP 11MS0004    | QC                               | 13    | 34    | 0.77  | 206   | 0.087 | 2     | 2.20  | 0.014 | 0.08  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11MS0021        | Soil                             | 16    | 71    | 1.60  | 388   | 0.225 | <1    | 2.06  | 0.017 | 0.31  | 0.1   | 0.02  | 3.2   | 0.2   | 0.08  | 7     | <0.5  | <0.2  |
| REP 11MS0021    | QC                               | 17    | 72    | 1.55  | 397   | 0.227 | <1    | 2.00  | 0.017 | 0.30  | 0.2   | 0.02  | 3.4   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0039        | Soil                             | 8     | 21    | 0.67  | 205   | 0.086 | 1     | 1.54  | 0.010 | 0.12  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11MS0039    | QC                               | 8     | 20    | 0.64  | 203   | 0.086 | <1    | 1.51  | 0.008 | 0.12  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0072        | Soil                             | 13    | 32    | 0.82  | 356   | 0.086 | <1    | 1.54  | 0.014 | 0.18  | <0.1  | 0.02  | 4.6   | 0.1   | 0.06  | 7     | <0.5  | <0.2  |
| REP 11MS0072    | QC                               | 13    | 33    | 0.84  | 360   | 0.089 | <1    | 1.57  | 0.015 | 0.19  | <0.1  | 0.01  | 4.9   | 0.1   | 0.06  | 7     | 0.6   | <0.2  |
| 11MS0083        | Soil                             | 5     | 14    | 0.69  | 213   | 0.149 | 1     | 1.43  | 0.009 | 0.44  | 0.1   | <0.01 | 1.5   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| REP 11MS0083    | QC                               | 5     | 14    | 0.69  | 219   | 0.156 | 1     | 1.45  | 0.010 | 0.45  | <0.1  | 0.01  | 1.5   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0101        | Soil                             | 8     | 25    | 1.15  | 555   | 0.192 | 1     | 2.55  | 0.016 | 0.56  | 0.1   | 0.01  | 6.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| REP 11MS0101    | QC                               | 8     | 26    | 1.15  | 555   | 0.191 | <1    | 2.51  | 0.016 | 0.56  | <0.1  | 0.02  | 6.8   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0119        | Soil                             | 34    | 51    | 0.93  | 227   | 0.146 | <1    | 1.81  | 0.014 | 0.26  | <0.1  | <0.01 | 2.4   | 0.2   | <0.05 | 5     | 0.5   | <0.2  |
| REP 11MS0119    | QC                               | 34    | 50    | 0.94  | 229   | 0.145 | <1    | 1.81  | 0.014 | 0.26  | <0.1  | 0.01  | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0127        | Soil                             | 19    | 141   | 3.10  | 680   | 0.184 | 1     | 3.15  | 0.022 | 0.09  | 0.2   | 0.01  | 13.1  | <0.1  | <0.05 | 12    | 0.7   | <0.2  |
| REP 11MS0127    | QC                               | 18    | 136   | 2.98  | 651   | 0.168 | <1    | 3.07  | 0.021 | 0.09  | 0.2   | <0.01 | 12.6  | <0.1  | <0.05 | 12    | 0.7   | <0.2  |
| 11YM0022        | Soil                             | 29    | 92    | 1.93  | 507   | 0.250 | 1     | 2.26  | 0.018 | 0.28  | <0.1  | 0.03  | 6.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| REP 11YM0022    | QC                               | 29    | 97    | 1.94  | 523   | 0.250 | <1    | 2.27  | 0.018 | 0.29  | 0.1   | 0.04  | 6.2   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0029        | Soil                             | 8     | 26    | 1.23  | 278   | 0.253 | 1     | 2.70  | 0.016 | 0.55  | 0.1   | 0.01  | 4.7   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11YM0029    | QC                               | 8     | 25    | 1.17  | 279   | 0.242 | 1     | 2.66  | 0.013 | 0.54  | 0.1   | 0.01  | 4.6   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0060        | Soil                             | 15    | 24    | 0.64  | 263   | 0.093 | <1    | 1.58  | 0.014 | 0.16  | 0.1   | 0.06  | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 11YM0060    | QC                               | 15    | 24    | 0.66  | 266   | 0.091 | <1    | 1.58  | 0.013 | 0.16  | 0.1   | 0.06  | 4.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0074        | Soil                             | 6     | 26    | 0.80  | 187   | 0.154 | <1    | 1.41  | 0.014 | 0.33  | <0.1  | <0.01 | 2.2   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| REP 11YM0074    | QC                               | 6     | 26    | 0.78  | 183   | 0.147 | <1    | 1.36  | 0.013 | 0.31  | <0.1  | <0.01 | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0090        | Soil                             | 8     | 14    | 0.91  | 287   | 0.254 | 1     | 2.22  | 0.018 | 0.75  | 0.1   | <0.01 | 4.8   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11YM0090    | QC                               | 8     | 15    | 0.91  | 286   | 0.257 | <1    | 2.21  | 0.012 | 0.78  | <0.1  | 0.01  | 5.0   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0108        | Soil                             | 3     | 24    | 1.43  | 201   | 0.290 | <1    | 2.52  | 0.023 | 0.90  | 0.1   | <0.01 | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| REP 11YM0108    | QC                               | 3     | 23    | 1.34  | 186   | 0.270 | <1    | 2.31  | 0.020 | 0.84  | <0.1  | <0.01 | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |



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Report Date: December 07, 2011

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## QUALITY CONTROL REPORT

WHI11001369.1

|                     |          | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| 11YM0139            | Soil     | 1.0   | 23.8  | 6.7   | 86    | <0.1  | 17.6  | 14.3  | 453   | 3.41  | 6.5   | 0.8   | 2.3   | 3.2   | 44    | <0.1  | 0.3   | 0.1   | 76    | 0.74  | 0.087  |
| REP 11YM0139        | QC       | 1.1   | 24.6  | 6.7   | 87    | 0.1   | 17.8  | 14.6  | 469   | 3.51  | 6.8   | 0.9   | 1.2   | 3.3   | 44    | <0.1  | 0.3   | 0.1   | 78    | 0.76  | 0.091  |
| Reference Materials |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard | 12.0  | 97.0  | 117.3 | 272   | 1.6   | 35.4  | 6.3   | 632   | 2.10  | 21.3  | 3.1   | 115.9 | 6.8   | 70    | 2.1   | 5.0   | 7.1   | 37    | 0.59  | 0.071  |
| STD DS8             | Standard | 12.9  | 123.0 | 121.8 | 318   | 1.7   | 37.5  | 7.4   | 606   | 2.40  | 25.3  | 3.2   | 107.7 | 8.0   | 73    | 2.4   | 6.4   | 7.6   | 42    | 0.70  | 0.077  |
| STD DS8             | Standard | 14.2  | 110.6 | 123.2 | 303   | 1.8   | 37.9  | 7.4   | 604   | 2.36  | 25.6  | 2.9   | 115.4 | 7.2   | 70    | 2.3   | 5.6   | 6.3   | 42    | 0.69  | 0.075  |
| STD DS8             | Standard | 12.9  | 106.7 | 125.3 | 313   | 1.8   | 36.7  | 7.2   | 595   | 2.43  | 27.5  | 2.8   | 117.1 | 7.0   | 70    | 2.3   | 5.8   | 6.7   | 41    | 0.71  | 0.079  |
| STD DS8             | Standard | 10.7  | 96.6  | 124.3 | 266   | 1.5   | 32.9  | 6.5   | 542   | 2.16  | 23.3  | 2.9   | 103.3 | 6.7   | 63    | 1.8   | 5.2   | 6.8   | 36    | 0.57  | 0.067  |
| STD DS8             | Standard | 12.6  | 103.9 | 123.7 | 293   | 1.8   | 37.1  | 7.3   | 575   | 2.32  | 25.0  | 2.8   | 106.4 | 6.9   | 68    | 2.4   | 5.7   | 6.4   | 39    | 0.66  | 0.075  |
| STD DS8             | Standard | 13.7  | 114.2 | 129.5 | 314   | 1.8   | 39.3  | 7.9   | 628   | 2.45  | 26.1  | 3.0   | 112.3 | 7.1   | 73    | 2.7   | 5.4   | 7.0   | 41    | 0.72  | 0.085  |
| STD DS8             | Standard | 12.7  | 105.3 | 125.1 | 303   | 1.7   | 36.1  | 7.3   | 590   | 2.39  | 25.8  | 2.7   | 117.9 | 6.5   | 76    | 2.1   | 5.8   | 6.8   | 40    | 0.68  | 0.077  |
| STD DS8             | Standard | 13.4  | 109.1 | 126.2 | 309   | 1.8   | 38.1  | 7.6   | 616   | 2.42  | 26.7  | 2.8   | 103.2 | 6.8   | 75    | 2.4   | 6.2   | 7.2   | 41    | 0.70  | 0.081  |
| STD DS8             | Standard | 12.0  | 107.7 | 127.0 | 299   | 1.7   | 35.0  | 7.2   | 590   | 2.31  | 25.2  | 3.0   | 107.1 | 7.4   | 63    | 2.3   | 4.5   | 5.0   | 40    | 0.66  | 0.074  |
| STD DS8 Expected    |          | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Project: Mariposa

Report Date: December 07, 2011

Page: 2 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11001369.1

|                     |          | 1DX15<br>La<br>ppm | 1DX15<br>Cr<br>ppm | 1DX15<br>Mg<br>% | 1DX15<br>Ba<br>ppm | 1DX15<br>Ti<br>% | 1DX15<br>B<br>ppm | 1DX15<br>Al<br>% | 1DX15<br>Na<br>% | 1DX15<br>K<br>% | 1DX15<br>W<br>ppm | 1DX15<br>Hg<br>ppm | 1DX15<br>Sc<br>ppm | 1DX15<br>Ti<br>ppm | 1DX15<br>S<br>% | 1DX15<br>Ga<br>ppm | 1DX15<br>Se<br>ppm | 1DX15<br>Te<br>ppm |
|---------------------|----------|--------------------|--------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|-----------------|-------------------|--------------------|--------------------|--------------------|-----------------|--------------------|--------------------|--------------------|
|                     |          | 1                  | 1                  | 0.01             | 1                  | 0.001            | 1                 | 0.01             | 0.001            | 0.01            | 0.1               | 0.01               | 0.1                | 0.1                | 0.05            | 1                  | 0.5                | 0.2                |
| 11YM0139            | Soil     | 11                 | 27                 | 0.96             | 258                | 0.109            | 1                 | 1.72             | 0.019            | 0.25            | 0.1               | 0.03               | 7.0                | 0.1                | 0.06            | 6                  | <0.5               | <0.2               |
| REP 11YM0139        | QC       | 12                 | 28                 | 0.99             | 270                | 0.110            | <1                | 1.75             | 0.018            | 0.25            | 0.1               | 0.04               | 7.1                | 0.1                | <0.05           | 7                  | <0.5               | <0.2               |
| Reference Materials |          |                    |                    |                  |                    |                  |                   |                  |                  |                 |                   |                    |                    |                    |                 |                    |                    |                    |
| STD DS8             | Standard | 15                 | 102                | 0.55             | 254                | 0.104            | 3                 | 0.80             | 0.091            | 0.35            | 2.8               | 0.18               | 1.9                | 4.9                | 0.13            | 4                  | 4.1                | 5.4                |
| STD DS8             | Standard | 17                 | 116                | 0.61             | 271                | 0.130            | 2                 | 0.92             | 0.087            | 0.40            | 3.0               | 0.19               | 2.5                | 5.3                | 0.16            | 5                  | 5.4                | 4.5                |
| STD DS8             | Standard | 17                 | 119                | 0.60             | 276                | 0.132            | 3                 | 0.94             | 0.099            | 0.42            | 3.0               | 0.21               | 2.4                | 5.4                | 0.16            | 5                  | 4.5                | 4.7                |
| STD DS8             | Standard | 16                 | 116                | 0.61             | 284                | 0.121            | 3                 | 0.92             | 0.117            | 0.44            | 3.0               | 0.19               | 2.4                | 5.5                | 0.20            | 5                  | 5.7                | 4.9                |
| STD DS8             | Standard | 13                 | 100                | 0.56             | 237                | 0.095            | 2                 | 0.84             | 0.080            | 0.35            | 2.8               | 0.19               | 1.9                | 5.2                | 0.14            | 4                  | 4.4                | 4.0                |
| STD DS8             | Standard | 16                 | 109                | 0.60             | 275                | 0.112            | 5                 | 0.90             | 0.085            | 0.40            | 2.9               | 0.18               | 2.1                | 5.3                | 0.14            | 4                  | 4.9                | 5.3                |
| STD DS8             | Standard | 15                 | 119                | 0.64             | 272                | 0.126            | 2                 | 1.00             | 0.089            | 0.44            | 3.0               | 0.20               | 3.0                | 5.7                | 0.07            | 5                  | 5.3                | 5.0                |
| STD DS8             | Standard | 15                 | 113                | 0.64             | 276                | 0.112            | 3                 | 0.88             | 0.101            | 0.41            | 3.0               | 0.21               | 2.7                | 5.3                | 0.14            | 5                  | 4.2                | 4.6                |
| STD DS8             | Standard | 16                 | 114                | 0.61             | 280                | 0.129            | 4                 | 0.93             | 0.091            | 0.41            | 2.9               | 0.18               | 2.3                | 5.2                | 0.15            | 5                  | 5.6                | 5.0                |
| STD DS8             | Standard | 14                 | 112                | 0.58             | 283                | 0.108            | 3                 | 0.92             | 0.084            | 0.45            | 2.8               | 0.24               | 2.3                | 5.3                | 0.11            | 5                  | 4.5                | 5.1                |
| STD DS8 Expected    |          | 14.6               | 115                | 0.6045           | 279                | 0.113            | 2.6               | 0.93             | 0.0883           | 0.41            | 3                 | 0.192              | 2.3                | 5.4                | 0.1679          | 4.7                | 5.23               | 5                  |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 29, 2011

Report Date: November 27, 2011

Page: 1 of 6

## CERTIFICATE OF ANALYSIS

WHI11001380.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 11MPS-06  
P.O. Number  
Number of Samples: 134

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
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Vancouver BC V6E 3T5  
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CC: Katie Dodd

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 134               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 134               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 134               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 134               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: None Given  
Report Date: November 27, 2011

Page: 2 of 6 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method | Analyte | Unit | MDL   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |    |      |
|----------|--------|---------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |       | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |       | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |       | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11KJ0106 | Soil   |         | 0.8  | 38.6  | 8.3   | 118   | <0.1  | 14.5  | 18.8  | 808   | 5.12  | 4.5   | 0.3   | 1.4   | 1.9   | 32    | 0.1   | 0.3   | 0.1   | 122   | 0.36  | 0.048 |    |      |
| 11KJ0107 | Soil   |         | 0.8  | 71.2  | 14.5  | 322   | <0.1  | 14.5  | 17.4  | 1090  | 4.93  | 6.0   | 0.4   | 1.8   | 2.6   | 23    | 0.2   | 0.3   | 0.1   | 125   | 0.34  | 0.057 |    |      |
| 11KJ0108 | Soil   |         | 1.0  | 118.9 | 14.8  | 255   | <0.1  | 9.7   | 21.9  | 1177  | 5.56  | 1.7   | 0.4   | 1.6   | 2.2   | 11    | 0.2   | <0.1  | 0.1   | 155   | 0.32  | 0.108 |    |      |
| 11KJ0109 | Soil   |         | 1.1  | 92.7  | 8.7   | 182   | <0.1  | 17.4  | 16.6  | 1309  | 5.65  | 4.1   | 0.7   | 5.4   | 3.3   | 34    | 0.2   | 0.4   | 0.1   | 114   | 0.62  | 0.149 |    |      |
| 11KJ0110 | Soil   |         | 1.3  | 52.4  | 7.9   | 84    | <0.1  | 14.8  | 13.2  | 440   | 3.73  | 5.4   | 0.6   | 5.3   | 2.3   | 30    | 0.1   | 0.3   | 0.1   | 84    | 0.36  | 0.056 |    |      |
| 11KJ0111 | Soil   |         | 0.8  | 32.1  | 8.0   | 65    | <0.1  | 16.0  | 12.0  | 301   | 3.06  | 5.9   | 0.8   | 3.8   | 3.7   | 28    | 0.1   | 0.4   | 0.1   | 72    | 0.33  | 0.043 |    |      |
| 11KJ0112 | Soil   |         | 1.1  | 34.4  | 8.8   | 61    | 0.1   | 14.4  | 11.0  | 293   | 3.28  | 5.8   | 0.6   | 3.1   | 2.8   | 21    | 0.1   | 0.3   | 0.1   | 82    | 0.27  | 0.046 |    |      |
| 11KJ0113 | Soil   |         | 0.6  | 17.4  | 7.1   | 59    | <0.1  | 13.5  | 10.3  | 283   | 2.77  | 5.0   | 0.5   | 8.3   | 3.0   | 23    | <0.1  | 0.3   | 0.1   | 67    | 0.35  | 0.070 |    |      |
| 11KJ0114 | Soil   |         | 0.7  | 17.0  | 8.8   | 62    | <0.1  | 14.5  | 10.4  | 311   | 2.96  | 6.1   | 0.7   | 2.3   | 3.2   | 23    | 0.1   | 0.3   | 0.1   | 73    | 0.32  | 0.057 |    |      |
| 11KJ0115 | Soil   |         | 0.7  | 18.0  | 8.4   | 67    | <0.1  | 14.7  | 12.6  | 478   | 3.21  | 6.0   | 0.8   | 3.4   | 2.8   | 28    | 0.1   | 0.3   | 0.1   | 75    | 0.38  | 0.074 |    |      |
| 11KJ0118 | Soil   |         | 0.9  | 33.7  | 8.8   | 69    | 0.2   | 16.5  | 12.3  | 379   | 3.06  | 6.0   | 0.9   | 8.5   | 2.9   | 28    | 0.2   | 0.3   | 0.1   | 75    | 0.36  | 0.066 |    |      |
| 11KJ0119 | Soil   |         | 1.0  | 38.9  | 7.0   | 82    | <0.1  | 11.5  | 12.3  | 452   | 3.61  | 4.4   | 0.7   | 2.4   | 3.4   | 32    | 0.1   | 0.3   | <0.1  | 87    | 0.48  | 0.091 |    |      |
| 11KJ0121 | Soil   |         | 0.4  | 43.6  | 3.6   | 98    | <0.1  | 14.1  | 22.5  | 832   | 4.34  | 2.6   | 0.5   | 2.5   | 2.5   | 39    | 0.1   | 0.2   | <0.1  | 112   | 0.62  | 0.118 |    |      |
| 11KJ0125 | Soil   |         | 1.2  | 48.3  | 8.9   | 125   | <0.1  | 8.4   | 11.4  | 703   | 6.03  | 5.4   | 0.4   | 0.8   | 3.1   | 21    | 0.2   | 0.3   | <0.1  | 123   | 0.21  | 0.067 |    |      |
| 11KJ0126 | Soil   |         | 0.5  | 42.2  | 5.7   | 90    | <0.1  | 12.7  | 15.8  | 578   | 4.86  | 3.7   | 0.4   | 1.2   | 2.1   | 29    | <0.1  | 0.3   | <0.1  | 136   | 0.37  | 0.059 |    |      |
| 11KJ0135 | Soil   |         | 0.6  | 18.4  | 9.2   | 72    | <0.1  | 15.8  | 12.5  | 380   | 3.36  | 5.7   | 0.7   | 3.0   | 4.2   | 23    | <0.1  | 0.6   | 0.1   | 66    | 0.24  | 0.048 |    |      |
| 11KJ0138 | Soil   |         | 0.9  | 29.7  | 10.4  | 62    | <0.1  | 17.1  | 8.4   | 395   | 3.13  | 6.6   | 0.8   | 2.3   | 3.0   | 27    | 0.1   | 0.4   | 0.2   | 77    | 0.27  | 0.045 |    |      |
| 11KJ0139 | Soil   |         | 0.7  | 21.9  | 8.3   | 61    | <0.1  | 12.7  | 8.6   | 332   | 2.75  | 4.7   | 0.8   | 2.0   | 3.7   | 25    | <0.1  | 0.3   | 0.1   | 62    | 0.30  | 0.056 |    |      |
| 11KJ0144 | Soil   |         | 0.8  | 21.3  | 10.7  | 61    | <0.1  | 17.0  | 9.9   | 363   | 3.16  | 5.9   | 0.4   | 79.6  | 2.4   | 21    | <0.1  | 0.3   | <0.1  | 75    | 0.30  | 0.065 |    |      |
| 11KJ0146 | Soil   |         | 0.7  | 25.0  | 7.3   | 66    | <0.1  | 15.2  | 10.9  | 557   | 3.09  | 4.1   | 0.6   | 40.6  | 3.2   | 23    | <0.1  | 0.3   | <0.1  | 77    | 0.33  | 0.072 |    |      |
| 11KJ0148 | Soil   |         | 0.6  | 23.0  | 9.7   | 64    | <0.1  | 16.3  | 9.9   | 377   | 2.89  | 5.9   | 1.1   | 6.9   | 3.2   | 30    | <0.1  | 0.3   | 0.1   | 70    | 0.38  | 0.057 |    |      |
| 11KJ0154 | Soil   |         | 0.7  | 22.1  | 8.7   | 66    | <0.1  | 38.3  | 15.6  | 467   | 3.90  | 7.0   | 0.7   | 3.9   | 4.5   | 26    | 0.1   | 0.4   | 0.1   | 84    | 0.41  | 0.044 |    |      |
| 11KJ0155 | Soil   |         | 1.1  | 22.1  | 8.0   | 77    | <0.1  | 17.8  | 15.0  | 508   | 4.34  | 7.0   | 0.4   | <0.5  | 3.2   | 28    | <0.1  | 0.4   | 0.1   | 102   | 0.42  | 0.045 |    |      |
| 11KJ0156 | Soil   |         | 1.3  | 56.2  | 9.5   | 114   | <0.1  | 13.5  | 19.7  | 777   | 6.32  | 8.3   | 0.5   | 0.8   | 2.8   | 33    | 0.1   | 0.2   | 0.1   | 141   | 0.54  | 0.074 |    |      |
| 11KJ0157 | Soil   |         | 0.5  | 9.5   | 5.3   | 50    | <0.1  | 8.9   | 10.3  | 506   | 4.24  | 3.9   | 0.5   | 0.8   | 3.0   | 13    | <0.1  | 0.3   | <0.1  | 82    | 0.19  | 0.052 |    |      |
| 11KJ0158 | Soil   |         | 0.5  | 12.9  | 5.6   | 58    | <0.1  | 14.8  | 12.7  | 547   | 3.85  | 5.2   | 0.5   | 1.9   | 4.8   | 17    | <0.1  | 0.3   | <0.1  | 84    | 0.20  | 0.041 |    |      |
| 11KJ0160 | Soil   |         | 0.8  | 18.7  | 9.5   | 63    | <0.1  | 21.6  | 14.4  | 405   | 3.60  | 8.3   | 0.6   | 2.7   | 4.4   | 20    | <0.1  | 0.5   | 0.2   | 73    | 0.21  | 0.030 |    |      |
| 11KJ0162 | Soil   |         | 0.3  | 11.2  | 5.4   | 76    | <0.1  | 15.2  | 14.8  | 433   | 4.01  | 3.4   | 0.5   | 1.0   | 2.8   | 26    | <0.1  | 0.2   | <0.1  | 88    | 0.42  | 0.122 |    |      |
| 11KJ0163 | Soil   |         | 0.8  | 15.9  | 7.9   | 80    | <0.1  | 9.7   | 11.2  | 386   | 2.60  | 2.2   | 0.9   | <0.5  | 7.6   | 26    | <0.1  | 0.1   | <0.1  | 30    | 0.24  | 0.023 |    |      |
| 11KJ0164 | Soil   |         | 0.6  | 20.8  | 15.4  | 61    | <0.1  | 11.2  | 8.3   | 263   | 2.77  | 6.2   | 0.9   | 1.1   | 17.2  | 18    | <0.1  | 0.3   | 0.1   | 45    | 0.23  | 0.043 |    |      |





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**Project:** None Given  
**Report Date:** November 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 11KJ0106 | Soil                             | 5     | 24    | 1.81  | 632   | 0.285 | 2     | 3.33  | 0.016 | 0.99  | <0.1  | <0.01 | 5.2   | 0.3   | <0.05 | 10    | <0.5  |
| 11KJ0107 | Soil                             | 7     | 33    | 1.47  | 501   | 0.244 | 2     | 2.98  | 0.019 | 0.52  | <0.1  | 0.02  | 7.5   | 0.1   | <0.05 | 9     | <0.5  |
| 11KJ0108 | Soil                             | 9     | 39    | 1.76  | 455   | 0.324 | 2     | 2.92  | 0.031 | 1.25  | <0.1  | <0.01 | 9.1   | 0.3   | <0.05 | 10    | <0.5  |
| 11KJ0109 | Soil                             | 15    | 23    | 1.34  | 885   | 0.223 | 2     | 2.43  | 0.021 | 0.94  | <0.1  | 0.03  | 12.8  | 0.3   | <0.05 | 9     | <0.5  |
| 11KJ0110 | Soil                             | 11    | 28    | 0.86  | 365   | 0.146 | 2     | 2.25  | 0.016 | 0.19  | <0.1  | 0.02  | 4.7   | 0.1   | <0.05 | 7     | <0.5  |
| 11KJ0111 | Soil                             | 14    | 30    | 0.70  | 336   | 0.139 | 2     | 1.92  | 0.017 | 0.09  | 0.1   | 0.02  | 5.0   | <0.1  | <0.05 | 6     | <0.6  |
| 11KJ0112 | Soil                             | 11    | 29    | 0.60  | 255   | 0.137 | 2     | 2.25  | 0.018 | 0.08  | 0.1   | 0.03  | 4.2   | <0.1  | <0.05 | 7     | <0.5  |
| 11KJ0113 | Soil                             | 11    | 24    | 0.64  | 197   | 0.125 | 2     | 1.63  | 0.018 | 0.09  | 0.2   | 0.02  | 3.5   | <0.1  | <0.05 | 5     | <0.5  |
| 11KJ0114 | Soil                             | 13    | 28    | 0.61  | 287   | 0.117 | 2     | 1.93  | 0.014 | 0.07  | 0.1   | 0.03  | 4.6   | <0.1  | <0.05 | 6     | <0.5  |
| 11KJ0115 | Soil                             | 14    | 28    | 0.70  | 350   | 0.122 | 2     | 2.06  | 0.018 | 0.10  | 0.1   | 0.03  | 5.6   | <0.1  | <0.05 | 6     | <0.5  |
| 11KJ0118 | Soil                             | 14    | 30    | 0.69  | 350   | 0.119 | 2     | 2.06  | 0.018 | 0.08  | 0.1   | 0.03  | 4.9   | <0.1  | <0.05 | 6     | <0.5  |
| 11KJ0119 | Soil                             | 14    | 23    | 0.97  | 449   | 0.165 | 1     | 2.05  | 0.023 | 0.36  | <0.1  | 0.03  | 6.6   | 0.1   | <0.05 | 7     | <0.5  |
| 11KJ0121 | Soil                             | 10    | 32    | 1.64  | 755   | 0.293 | 1     | 2.81  | 0.024 | 1.01  | <0.1  | 0.01  | 5.0   | 0.2   | <0.05 | 8     | <0.5  |
| 11KJ0125 | Soil                             | 10    | 22    | 1.35  | 407   | 0.298 | 1     | 3.14  | 0.012 | 0.46  | <0.1  | <0.01 | 5.2   | 0.2   | <0.05 | 11    | <0.5  |
| 11KJ0126 | Soil                             | 19    | 30    | 1.60  | 537   | 0.298 | 2     | 3.19  | 0.016 | 0.55  | <0.1  | <0.01 | 10.3  | 0.2   | <0.05 | 10    | <0.5  |
| 11KJ0135 | Soil                             | 10    | 28    | 0.71  | 241   | 0.144 | 1     | 2.36  | 0.013 | 0.30  | 0.1   | 0.01  | 5.1   | 0.2   | <0.05 | 6     | <0.5  |
| 11KJ0138 | Soil                             | 13    | 35    | 0.61  | 317   | 0.152 | 2     | 2.33  | 0.013 | 0.14  | <0.1  | 0.02  | 4.9   | 0.1   | <0.05 | 8     | <0.5  |
| 11KJ0139 | Soil                             | 16    | 26    | 0.58  | 309   | 0.128 | 1     | 1.81  | 0.014 | 0.14  | 0.1   | 0.02  | 4.9   | <0.1  | <0.05 | 6     | <0.5  |
| 11KJ0144 | Soil                             | 10    | 29    | 0.74  | 346   | 0.116 | 2     | 2.11  | 0.015 | 0.13  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 6     | <0.5  |
| 11KJ0146 | Soil                             | 11    | 31    | 0.91  | 297   | 0.179 | 1     | 1.97  | 0.015 | 0.32  | 0.1   | <0.01 | 4.8   | 0.1   | <0.05 | 7     | <0.5  |
| 11KJ0148 | Soil                             | 16    | 30    | 0.65  | 334   | 0.134 | 2     | 2.03  | 0.016 | 0.13  | 0.2   | 0.03  | 5.2   | <0.1  | <0.05 | 6     | <0.5  |
| 11KJ0154 | Soil                             | 16    | 82    | 1.44  | 323   | 0.220 | 2     | 2.50  | 0.016 | 0.32  | 0.3   | 0.02  | 7.9   | 0.1   | <0.05 | 8     | <0.5  |
| 11KJ0155 | Soil                             | 9     | 31    | 1.21  | 322   | 0.247 | 2     | 2.69  | 0.021 | 0.56  | 0.1   | <0.01 | 4.9   | 0.2   | <0.05 | 8     | <0.5  |
| 11KJ0156 | Soil                             | 11    | 24    | 1.40  | 487   | 0.175 | 1     | 3.17  | 0.017 | 0.36  | <0.1  | 0.01  | 9.1   | <0.1  | <0.05 | 11    | <0.5  |
| 11KJ0157 | Soil                             | 12    | 18    | 1.23  | 346   | 0.218 | 2     | 2.44  | 0.010 | 0.76  | <0.1  | <0.01 | 9.2   | 0.2   | <0.05 | 8     | <0.5  |
| 11KJ0158 | Soil                             | 11    | 26    | 1.44  | 230   | 0.254 | 1     | 2.95  | 0.014 | 0.69  | 0.1   | <0.01 | 8.3   | 0.2   | <0.05 | 9     | <0.5  |
| 11KJ0160 | Soil                             | 11    | 38    | 0.71  | 321   | 0.138 | 2     | 2.74  | 0.013 | 0.17  | 0.1   | 0.01  | 5.2   | 0.1   | <0.05 | 7     | <0.5  |
| 11KJ0162 | Soil                             | 10    | 30    | 1.20  | 401   | 0.221 | <1    | 2.96  | 0.015 | 0.62  | <0.1  | <0.01 | 4.6   | 0.2   | <0.05 | 9     | <0.5  |
| 11KJ0163 | Soil                             | 10    | 20    | 1.13  | 136   | 0.168 | <1    | 2.11  | 0.005 | 0.49  | <0.1  | <0.01 | 1.3   | 0.4   | <0.05 | 4     | <0.5  |
| 11KJ0164 | Soil                             | 29    | 18    | 0.58  | 138   | 0.116 | 1     | 1.75  | 0.007 | 0.36  | 0.1   | <0.01 | 3.2   | 0.4   | <0.05 | 5     | <0.5  |



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Project: None Given  
Report Date: November 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11KJ0165 | Soil                             | 0.8   | 23.8  | 13.7  | 58    | 0.1   | 84.0  | 14.6  | 334   | 3.13  | 9.1   | 1.3   | <0.5  | 11.0  | 78    | <0.1  | 0.2   | 0.2   | 65    | 0.51  | 0.157 |
| 11KJ0166 | Soil                             | 1.1   | 16.7  | 8.8   | 59    | 0.2   | 11.8  | 8.7   | 299   | 3.42  | 9.2   | 0.5   | 1.0   | 3.6   | 13    | 0.1   | 0.4   | 0.2   | 74    | 0.12  | 0.041 |
| 11KJ0167 | Soil                             | 0.6   | 28.6  | 8.7   | 54    | 0.2   | 21.4  | 9.5   | 297   | 2.64  | 11.3  | 1.6   | 8.3   | 5.7   | 24    | <0.1  | 0.4   | 0.1   | 57    | 0.29  | 0.042 |
| 11KJ0168 | Soil                             | 1.5   | 33.0  | 10.3  | 66    | 0.4   | 32.3  | 10.7  | 351   | 3.17  | 12.0  | 2.1   | 3.0   | 5.1   | 29    | <0.1  | 0.4   | 0.2   | 62    | 0.33  | 0.047 |
| 11KJ0169 | Soil                             | 0.5   | 28.2  | 10.2  | 62    | 0.2   | 25.8  | 14.1  | 894   | 2.86  | 9.8   | 1.0   | 1.6   | 3.1   | 41    | 0.2   | 0.4   | 0.1   | 64    | 0.80  | 0.060 |
| 11KJ0170 | Soil                             | 0.3   | 48.9  | 5.5   | 58    | 0.1   | 25.0  | 14.3  | 311   | 2.48  | 4.1   | 1.0   | <0.5  | 2.4   | 71    | 0.2   | 0.2   | <0.1  | 70    | 1.18  | 0.118 |
| 11KJ0171 | Soil                             | 0.4   | 80.4  | 3.5   | 69    | <0.1  | 12.4  | 20.3  | 528   | 3.65  | 3.4   | 0.7   | 1.1   | 1.4   | 37    | <0.1  | 0.1   | <0.1  | 110   | 0.90  | 0.140 |
| 11KJ0172 | Soil                             | 0.3   | 74.7  | 4.4   | 55    | <0.1  | 27.3  | 17.2  | 361   | 3.08  | 3.2   | 0.3   | 1.3   | 2.0   | 27    | <0.1  | 0.1   | <0.1  | 82    | 0.76  | 0.147 |
| 11KJ0176 | Soil                             | 1.0   | 28.0  | 9.5   | 71    | <0.1  | 10.7  | 11.7  | 306   | 2.90  | 59.9  | 1.2   | 1.0   | 13.6  | 17    | <0.1  | 0.1   | <0.1  | 41    | 0.26  | 0.072 |
| 11KJ0178 | Soil                             | 0.8   | 12.5  | 11.3  | 50    | <0.1  | 8.3   | 9.2   | 307   | 2.48  | 2.6   | 2.3   | 3.4   | 9.6   | 24    | <0.1  | 0.1   | <0.1  | 27    | 0.49  | 0.060 |
| 11KJ0187 | Soil                             | 2.0   | 7.9   | 124.4 | 150   | 0.4   | 6.7   | 15.6  | 2179  | 3.56  | 42.1  | 3.0   | 10.6  | 13.8  | 20    | 0.6   | 0.2   | 0.5   | 18    | 0.21  | 0.066 |
| 11KJ0190 | Soil                             | 13.1  | 52.6  | 17.0  | 84    | 0.6   | 46.7  | 15.2  | 1042  | 4.43  | 13.8  | 7.5   | 31.6  | 2.1   | 84    | 0.3   | 0.6   | 0.3   | 67    | 1.18  | 0.117 |
| 11KJ0191 | Soil                             | 2.0   | 24.3  | 11.2  | 52    | <0.1  | 19.4  | 6.8   | 231   | 2.84  | 10.0  | 0.9   | 6.2   | 1.8   | 18    | 0.2   | 0.4   | 0.2   | 61    | 0.17  | 0.048 |
| 11KJ0192 | Soil                             | 2.4   | 29.5  | 10.2  | 53    | 0.2   | 24.9  | 9.9   | 364   | 2.84  | 8.3   | 1.1   | 8.9   | 3.9   | 22    | 0.3   | 0.4   | 0.2   | 59    | 0.22  | 0.060 |
| 11KJ0193 | Soil                             | 4.3   | 22.8  | 7.6   | 45    | <0.1  | 17.2  | 9.4   | 369   | 2.62  | 5.9   | 0.9   | 107.7 | 5.1   | 20    | <0.1  | 0.5   | 0.2   | 51    | 0.20  | 0.021 |
| 11KJ0194 | Soil                             | 5.8   | 20.0  | 8.2   | 39    | <0.1  | 17.3  | 7.2   | 269   | 2.46  | 6.5   | 1.0   | 109.6 | 6.3   | 22    | <0.1  | 0.4   | 0.2   | 46    | 0.21  | 0.024 |
| 11KJ0195 | Soil                             | 3.7   | 18.9  | 8.4   | 48    | <0.1  | 18.4  | 9.1   | 265   | 3.41  | 6.9   | 0.8   | 61.9  | 4.7   | 22    | <0.1  | 0.5   | 0.2   | 57    | 0.20  | 0.030 |
| 11KJ0196 | Soil                             | 1.3   | 27.5  | 10.5  | 65    | <0.1  | 30.7  | 12.5  | 334   | 3.33  | 10.4  | 0.9   | 18.3  | 6.2   | 21    | <0.1  | 0.5   | 0.2   | 73    | 0.21  | 0.020 |
| 11KJ0197 | Soil                             | 0.9   | 20.8  | 8.4   | 55    | <0.1  | 22.7  | 10.1  | 323   | 2.99  | 7.2   | 0.8   | 12.4  | 8.9   | 18    | 0.1   | 0.4   | 0.1   | 58    | 0.18  | 0.023 |
| 11KJ0198 | Soil                             | 1.1   | 33.0  | 11.6  | 61    | <0.1  | 28.3  | 10.5  | 412   | 3.27  | 11.8  | 1.5   | 12.5  | 8.8   | 24    | <0.1  | 0.6   | 0.2   | 69    | 0.22  | 0.027 |
| 11KJ0199 | Soil                             | 1.1   | 19.3  | 9.6   | 55    | <0.1  | 23.6  | 10.6  | 324   | 3.18  | 8.6   | 0.6   | 4.6   | 5.6   | 21    | <0.1  | 0.4   | 0.2   | 71    | 0.19  | 0.021 |
| 11KJ0200 | Soil                             | 1.2   | 33.8  | 9.3   | 74    | <0.1  | 26.1  | 12.7  | 433   | 4.17  | 6.4   | 0.6   | 2.9   | 6.9   | 22    | <0.1  | 0.5   | 0.1   | 75    | 0.24  | 0.044 |
| 11KJ0201 | Soil                             | 1.0   | 22.5  | 9.0   | 50    | <0.1  | 19.5  | 8.8   | 322   | 2.76  | 6.8   | 0.7   | 11.9  | 7.7   | 26    | <0.1  | 0.4   | <0.1  | 53    | 0.25  | 0.027 |
| 11KJ0202 | Soil                             | 1.0   | 26.7  | 9.2   | 50    | <0.1  | 21.4  | 10.8  | 362   | 3.52  | 6.3   | 0.6   | 1.4   | 5.6   | 34    | <0.1  | 0.2   | 0.1   | 68    | 0.26  | 0.065 |
| 11KJ0203 | Soil                             | 0.9   | 16.5  | 9.6   | 46    | <0.1  | 18.8  | 8.4   | 288   | 3.01  | 10.8  | 0.6   | 2.4   | 5.3   | 19    | <0.1  | 0.5   | 0.1   | 58    | 0.17  | 0.020 |
| 11KJ0204 | Soil                             | 1.1   | 13.0  | 8.4   | 41    | <0.1  | 16.4  | 7.3   | 316   | 2.85  | 6.7   | 0.5   | 6.0   | 6.8   | 20    | <0.1  | 0.6   | 0.1   | 49    | 0.17  | 0.031 |
| 11KJ0205 | Soil                             | 1.2   | 15.0  | 9.9   | 42    | <0.1  | 6.4   | 4.3   | 421   | 1.59  | 4.0   | 0.5   | 3.2   | 1.9   | 18    | 0.2   | 0.8   | 0.2   | 35    | 0.19  | 0.042 |
| 11KJ0206 | Soil                             | 0.8   | 27.9  | 6.1   | 93    | <0.1  | 13.2  | 18.0  | 496   | 3.92  | 2.7   | 1.3   | 0.9   | 8.4   | 10    | <0.1  | 0.5   | <0.1  | 38    | 0.10  | 0.028 |
| 11KJ0207 | Soil                             | 1.2   | 28.8  | 9.5   | 59    | 0.3   | 20.5  | 10.8  | 367   | 3.41  | 9.3   | 0.6   | 3.5   | 3.1   | 21    | 0.2   | 0.5   | 0.2   | 79    | 0.25  | 0.053 |
| 11KJ0208 | Soil                             | 0.7   | 22.9  | 9.5   | 49    | 0.1   | 21.7  | 9.8   | 291   | 2.99  | 8.2   | 0.9   | 5.9   | 4.8   | 25    | <0.1  | 0.5   | 0.1   | 67    | 0.25  | 0.023 |



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**Project:** None Given  
**Report Date:** November 27, 2011

**Page:** 3 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11KJ0165 | Soil                             | 49    | 108   | 1.43  | 454   | 0.208 | 1     | 2.12  | 0.013 | 0.22  | <0.1  | 0.01  | 3.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0166 | Soil                             | 10    | 23    | 0.81  | 187   | 0.141 | 2     | 2.25  | 0.011 | 0.32  | 0.2   | 0.01  | 3.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0167 | Soil                             | 26    | 31    | 0.68  | 363   | 0.106 | 2     | 1.82  | 0.019 | 0.11  | 0.1   | 0.03  | 5.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0168 | Soil                             | 30    | 37    | 0.65  | 372   | 0.066 | 1     | 2.36  | 0.016 | 0.07  | <0.1  | 0.07  | 6.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0169 | Soil                             | 17    | 31    | 0.72  | 306   | 0.081 | 2     | 1.97  | 0.024 | 0.05  | 0.1   | 0.04  | 5.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0170 | Soil                             | 10    | 38    | 1.02  | 300   | 0.093 | <1    | 1.95  | 0.029 | 0.20  | <0.1  | 0.03  | 4.6   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0171 | Soil                             | 6     | 14    | 1.54  | 337   | 0.201 | 2     | 2.56  | 0.024 | 0.27  | <0.1  | <0.01 | 2.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0172 | Soil                             | 9     | 41    | 1.41  | 291   | 0.140 | 2     | 1.83  | 0.029 | 0.15  | <0.1  | <0.01 | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0176 | Soil                             | 25    | 18    | 0.70  | 140   | 0.125 | 2     | 1.96  | 0.007 | 0.44  | <0.1  | <0.01 | 2.8   | 0.4   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0178 | Soil                             | 25    | 16    | 0.57  | 154   | 0.078 | <1    | 1.50  | 0.021 | 0.17  | <0.1  | <0.01 | 2.4   | 0.2   | <0.05 | 3     | <0.5  | <0.2  |
| 11KJ0187 | Soil                             | 17    | 9     | 0.29  | 145   | 0.028 | <1    | 1.11  | 0.008 | 0.08  | <0.1  | <0.01 | 1.3   | 0.2   | <0.05 | 3     | 1.2   | 2.2   |
| 11KJ0190 | Soil                             | 48    | 61    | 0.65  | 1617  | 0.036 | 3     | 3.45  | 0.014 | 0.15  | 0.2   | 0.14  | 8.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0191 | Soil                             | 18    | 33    | 0.47  | 243   | 0.052 | <1    | 2.07  | 0.009 | 0.06  | 0.1   | 0.03  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0192 | Soil                             | 17    | 38    | 0.57  | 297   | 0.066 | 2     | 2.16  | 0.010 | 0.08  | 0.1   | 0.03  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0193 | Soil                             | 21    | 28    | 0.48  | 326   | 0.064 | 1     | 1.61  | 0.011 | 0.06  | 0.1   | 0.03  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0194 | Soil                             | 24    | 27    | 0.47  | 565   | 0.054 | 1     | 1.73  | 0.011 | 0.06  | 0.1   | 0.03  | 4.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11KJ0195 | Soil                             | 17    | 33    | 0.52  | 328   | 0.063 | 2     | 2.21  | 0.010 | 0.07  | <0.1  | 0.02  | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0196 | Soil                             | 12    | 44    | 0.71  | 273   | 0.100 | <1    | 2.73  | 0.015 | 0.07  | <0.1  | 0.01  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0197 | Soil                             | 17    | 33    | 0.59  | 236   | 0.072 | <1    | 2.43  | 0.011 | 0.07  | <0.1  | 0.01  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0198 | Soil                             | 29    | 49    | 0.66  | 507   | 0.072 | <1    | 2.40  | 0.012 | 0.06  | 0.1   | 0.04  | 7.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0199 | Soil                             | 14    | 43    | 0.65  | 232   | 0.095 | 2     | 2.56  | 0.015 | 0.06  | <0.1  | 0.01  | 4.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0200 | Soil                             | 13    | 47    | 0.87  | 395   | 0.098 | 1     | 2.59  | 0.011 | 0.23  | <0.1  | 0.02  | 5.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0201 | Soil                             | 19    | 33    | 0.63  | 500   | 0.068 | <1    | 1.92  | 0.011 | 0.07  | 0.2   | 0.02  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0202 | Soil                             | 13    | 48    | 0.95  | 220   | 0.097 | <1    | 2.27  | 0.012 | 0.13  | <0.1  | 0.01  | 4.1   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0203 | Soil                             | 12    | 32    | 0.54  | 238   | 0.074 | <1    | 1.99  | 0.011 | 0.08  | <0.1  | 0.02  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0204 | Soil                             | 21    | 25    | 0.44  | 206   | 0.050 | <1    | 1.89  | 0.011 | 0.10  | <0.1  | <0.01 | 2.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0205 | Soil                             | 21    | 13    | 0.17  | 185   | 0.027 | <1    | 0.97  | 0.008 | 0.08  | <0.1  | 0.01  | 1.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0206 | Soil                             | 27    | 22    | 0.82  | 355   | 0.011 | <1    | 2.46  | 0.006 | 0.11  | <0.1  | <0.01 | 4.4   | 0.1   | <0.05 | 6     | 0.9   | <0.2  |
| 11KJ0207 | Soil                             | 11    | 35    | 0.65  | 223   | 0.081 | 1     | 2.38  | 0.012 | 0.06  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0208 | Soil                             | 18    | 40    | 0.62  | 268   | 0.098 | 1     | 2.14  | 0.014 | 0.06  | 0.1   | 0.02  | 5.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: None Given  
Report Date: November 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11KJ0209 | Soil                             | 1.5   | 23.8  | 14.6  | 64    | <0.1  | 16.5  | 7.5   | 319   | 2.85  | 6.0   | 0.9   | 7.1   | 6.4   | 23    | 0.1   | 0.9   | 0.2   | 51    | 0.23  | 0.039 |
| 11KJ0210 | Soil                             | 2.0   | 23.8  | 10.0  | 42    | 0.2   | 23.4  | 7.5   | 276   | 2.31  | 4.5   | 1.0   | 5.1   | 6.0   | 28    | 0.1   | 1.4   | 0.1   | 44    | 0.28  | 0.052 |
| 11KJ0211 | Soil                             | 0.9   | 14.3  | 7.3   | 51    | <0.1  | 11.6  | 7.0   | 325   | 2.80  | 3.4   | 0.7   | 2.5   | 10.4  | 24    | <0.1  | 0.3   | <0.1  | 45    | 0.21  | 0.027 |
| 11KJ0212 | Soil                             | 0.5   | 16.8  | 9.6   | 46    | <0.1  | 6.0   | 5.6   | 183   | 2.18  | 1.6   | 0.5   | 1.1   | 12.3  | 26    | 0.1   | 0.2   | <0.1  | 24    | 0.28  | 0.024 |
| 11KJ0213 | Soil                             | 1.3   | 17.7  | 10.7  | 54    | 0.1   | 14.9  | 8.5   | 357   | 3.18  | 9.5   | 0.6   | 1.6   | 6.0   | 19    | 0.2   | 0.4   | 0.2   | 62    | 0.17  | 0.046 |
| 11KJ0214 | Soil                             | 1.2   | 21.2  | 9.4   | 51    | <0.1  | 20.1  | 8.7   | 315   | 2.78  | 5.4   | 0.7   | 16.4  | 7.7   | 23    | 0.1   | 0.4   | 0.1   | 54    | 0.20  | 0.026 |
| 11KJ0215 | Soil                             | 1.8   | 15.9  | 10.1  | 57    | 0.2   | 22.3  | 8.3   | 353   | 3.24  | 8.0   | 0.6   | 8.1   | 6.7   | 16    | 0.1   | 0.4   | 0.1   | 64    | 0.15  | 0.043 |
| 11KJ0216 | Soil                             | 1.8   | 17.9  | 9.4   | 59    | <0.1  | 23.5  | 9.8   | 361   | 3.55  | 9.7   | 0.7   | 17.6  | 5.3   | 17    | 0.1   | 0.5   | 0.2   | 65    | 0.16  | 0.040 |
| 11KJ0217 | Soil                             | 1.2   | 22.4  | 8.7   | 51    | <0.1  | 18.4  | 9.3   | 360   | 2.81  | 5.3   | 1.0   | 23.1  | 8.8   | 28    | 0.1   | 0.4   | 0.1   | 53    | 0.24  | 0.018 |
| 11KJ0369 | Soil                             | 1.6   | 91.0  | 10.7  | 127   | <0.1  | 18.0  | 22.6  | 981   | 3.96  | 3.7   | 0.5   | 1.6   | 1.6   | 39    | 0.1   | 0.2   | <0.1  | 106   | 0.67  | 0.039 |
| 11KJ0370 | Soil                             | 1.3   | 80.3  | 13.6  | 99    | <0.1  | 26.3  | 21.1  | 747   | 4.12  | 6.2   | 0.6   | 1.0   | 2.3   | 42    | <0.1  | 0.3   | <0.1  | 117   | 0.63  | 0.029 |
| 11KJ0371 | Soil                             | 1.8   | 82.4  | 29.1  | 173   | <0.1  | 14.3  | 27.0  | 1195  | 5.16  | 1.2   | 0.4   | <0.5  | 1.3   | 34    | <0.1  | <0.1  | <0.1  | 126   | 0.75  | 0.126 |
| 11KJ0372 | Soil                             | 1.5   | 51.6  | 7.9   | 104   | <0.1  | 7.7   | 24.9  | 755   | 5.24  | 2.0   | 0.5   | 1.6   | 2.5   | 37    | <0.1  | 0.1   | <0.1  | 171   | 0.84  | 0.112 |
| 11KJ0373 | Soil                             | 0.4   | 25.9  | 4.7   | 60    | <0.1  | 10.0  | 13.3  | 279   | 2.99  | 3.4   | 0.5   | 0.5   | 2.3   | 23    | <0.1  | 0.1   | <0.1  | 73    | 0.79  | 0.197 |
| 11KJ0374 | Soil                             | 1.7   | 51.2  | 3.5   | 89    | <0.1  | 3.4   | 9.6   | 805   | 4.49  | 1.9   | 0.7   | <0.5  | 3.9   | 36    | <0.1  | <0.1  | 0.2   | 101   | 0.12  | 0.056 |
| 11KJ0375 | Soil                             | 0.7   | 22.0  | 4.8   | 81    | <0.1  | 9.8   | 18.0  | 682   | 2.81  | 1.5   | 0.3   | <0.5  | 1.5   | 14    | <0.1  | 0.1   | <0.1  | 80    | 0.52  | 0.094 |
| 11KJ0376 | Soil                             | 0.9   | 69.0  | 4.2   | 121   | <0.1  | 10.6  | 24.3  | 751   | 4.05  | 2.2   | 0.2   | 1.0   | 1.2   | 27    | <0.1  | <0.1  | <0.1  | 109   | 0.58  | 0.131 |
| 11KJ0377 | Soil                             | 0.7   | 36.5  | 2.5   | 94    | <0.1  | 7.4   | 16.6  | 636   | 4.62  | 1.2   | 1.0   | <0.5  | 2.9   | 26    | <0.1  | 0.1   | <0.1  | 113   | 0.67  | 0.172 |
| 11KJ0378 | Soil                             | 0.4   | 35.5  | 5.0   | 98    | <0.1  | 12.1  | 16.4  | 621   | 4.25  | 2.3   | 0.7   | 2.0   | 2.6   | 43    | <0.1  | 0.2   | <0.1  | 107   | 0.63  | 0.095 |
| 11KJ0379 | Soil                             | 0.4   | 37.6  | 4.8   | 95    | <0.1  | 9.5   | 14.7  | 509   | 3.75  | 2.9   | 0.5   | <0.5  | 2.4   | 32    | <0.1  | 0.2   | <0.1  | 94    | 0.44  | 0.082 |
| 11KJ0381 | Soil                             | 0.2   | 38.7  | 3.2   | 91    | <0.1  | 7.9   | 19.1  | 643   | 4.20  | 0.7   | 0.7   | 0.6   | 2.9   | 35    | <0.1  | <0.1  | <0.1  | 125   | 0.91  | 0.178 |
| 11KJ0382 | Soil                             | 0.5   | 14.3  | 6.5   | 55    | <0.1  | 11.4  | 10.8  | 289   | 2.69  | 4.6   | 0.5   | 2.6   | 3.0   | 25    | <0.1  | 0.3   | 0.1   | 62    | 0.38  | 0.069 |
| 11KJ0383 | Soil                             | 0.5   | 15.5  | 6.3   | 57    | <0.1  | 23.1  | 11.1  | 359   | 2.82  | 5.3   | 0.8   | 3.3   | 3.3   | 36    | 0.1   | 0.3   | 0.1   | 63    | 0.43  | 0.088 |
| 11KJ0384 | Soil                             | 0.6   | 26.3  | 6.3   | 76    | <0.1  | 14.2  | 11.9  | 482   | 3.44  | 3.3   | 0.8   | 2.0   | 2.8   | 28    | 0.2   | 0.3   | <0.1  | 84    | 0.34  | 0.085 |
| 11KJ0386 | Soil                             | 0.4   | 53.5  | 5.3   | 93    | <0.1  | 13.4  | 16.7  | 597   | 4.14  | 3.5   | 0.4   | 3.7   | 2.8   | 59    | <0.1  | 0.2   | <0.1  | 106   | 0.67  | 0.178 |
| 11KJ0387 | Soil                             | 0.2   | 11.0  | 2.8   | 99    | <0.1  | 14.8  | 24.9  | 952   | 5.33  | 2.0   | 0.5   | <0.5  | 3.3   | 48    | <0.1  | <0.1  | <0.1  | 158   | 0.98  | 0.221 |
| 11KJ0389 | Soil                             | 0.2   | 16.2  | 4.2   | 56    | <0.1  | 11.8  | 9.8   | 753   | 2.99  | 2.2   | 0.9   | 4.7   | 13.6  | 32    | <0.1  | 0.2   | <0.1  | 41    | 0.36  | 0.108 |
| 11KJ0390 | Soil                             | 0.3   | 9.9   | 5.9   | 98    | <0.1  | 10.3  | 15.3  | 665   | 4.18  | 3.3   | 0.4   | 1.1   | 3.6   | 19    | <0.1  | 0.1   | <0.1  | 107   | 0.18  | 0.027 |
| 11KJ0391 | Soil                             | 0.3   | 39.1  | 5.3   | 71    | <0.1  | 8.6   | 14.3  | 1072  | 4.75  | 2.3   | 0.8   | <0.5  | 5.3   | 37    | <0.1  | 0.2   | <0.1  | 80    | 0.53  | 0.122 |
| 11KJ0392 | Soil                             | 0.3   | 23.6  | 3.3   | 64    | <0.1  | 16.9  | 15.9  | 816   | 4.77  | 2.5   | 0.6   | <0.5  | 2.3   | 38    | <0.1  | 0.1   | <0.1  | 93    | 0.65  | 0.141 |



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**Project:** None Given  
**Report Date:** November 27, 2011

**Page:** 4 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11KJ0209 | Soil                             | 20    | 28    | 0.45  | 453   | 0.057 | <1    | 1.95  | 0.012 | 0.08  | <0.1  | <0.01 | 3.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0210 | Soil                             | 30    | 28    | 0.44  | 713   | 0.049 | <1    | 1.41  | 0.010 | 0.09  | 0.1   | 0.01  | 3.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11KJ0211 | Soil                             | 27    | 21    | 0.56  | 321   | 0.099 | <1    | 1.86  | 0.010 | 0.24  | <0.1  | <0.01 | 3.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0212 | Soil                             | 24    | 9     | 0.52  | 233   | 0.026 | <1    | 2.18  | 0.006 | 0.23  | <0.1  | 0.02  | 2.4   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0213 | Soil                             | 14    | 32    | 0.56  | 200   | 0.073 | <1    | 2.12  | 0.009 | 0.10  | 0.1   | 0.01  | 3.6   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0214 | Soil                             | 22    | 42    | 0.60  | 214   | 0.072 | <1    | 2.13  | 0.011 | 0.08  | 0.1   | <0.01 | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0215 | Soil                             | 13    | 38    | 0.55  | 193   | 0.072 | <1    | 2.38  | 0.009 | 0.09  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0216 | Soil                             | 12    | 39    | 0.65  | 195   | 0.077 | 1     | 2.50  | 0.012 | 0.10  | 0.1   | 0.01  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0217 | Soil                             | 25    | 33    | 0.59  | 270   | 0.083 | <1    | 1.96  | 0.015 | 0.09  | <0.1  | 0.02  | 5.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0369 | Soil                             | 10    | 45    | 1.50  | 154   | 0.243 | <1    | 2.60  | 0.040 | 0.28  | <0.1  | <0.01 | 8.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0370 | Soil                             | 10    | 53    | 1.66  | 151   | 0.258 | <1    | 3.03  | 0.041 | 0.13  | <0.1  | <0.01 | 8.5   | <0.1  | <0.05 | 8     | 0.6   | <0.2  |
| 11KJ0371 | Soil                             | 6     | 50    | 2.01  | 174   | 0.224 | <1    | 2.96  | 0.029 | 0.11  | <0.1  | <0.01 | 6.8   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0372 | Soil                             | 9     | 17    | 1.88  | 336   | 0.283 | 2     | 3.30  | 0.035 | 0.32  | <0.1  | 0.01  | 7.7   | <0.1  | <0.05 | 10    | 0.6   | <0.2  |
| 11KJ0373 | Soil                             | 10    | 12    | 0.85  | 237   | 0.215 | 2     | 2.30  | 0.042 | 0.38  | <0.1  | <0.01 | 3.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0374 | Soil                             | 21    | 10    | 1.60  | 448   | 0.312 | <1    | 2.61  | 0.017 | 1.43  | <0.1  | <0.01 | 6.8   | 0.4   | 0.05  | 9     | <0.5  | <0.2  |
| 11KJ0375 | Soil                             | 4     | 52    | 1.06  | 257   | 0.167 | 1     | 1.99  | 0.044 | 0.33  | <0.1  | 0.01  | 5.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0376 | Soil                             | 9     | 23    | 1.90  | 654   | 0.286 | 1     | 3.02  | 0.032 | 1.20  | <0.1  | <0.01 | 2.5   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0377 | Soil                             | 13    | 8     | 1.17  | 826   | 0.097 | <1    | 2.06  | 0.024 | 0.71  | <0.1  | 0.01  | 13.0  | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0378 | Soil                             | 10    | 19    | 1.54  | 579   | 0.194 | <1    | 2.54  | 0.027 | 0.80  | <0.1  | 0.01  | 7.1   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0379 | Soil                             | 9     | 19    | 1.36  | 510   | 0.228 | 1     | 2.46  | 0.022 | 0.73  | <0.1  | 0.01  | 4.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0381 | Soil                             | 17    | 19    | 1.49  | 534   | 0.142 | <1    | 2.33  | 0.049 | 0.69  | <0.1  | <0.01 | 11.1  | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0382 | Soil                             | 11    | 22    | 0.66  | 260   | 0.113 | <1    | 1.65  | 0.020 | 0.14  | 0.1   | 0.01  | 4.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0383 | Soil                             | 16    | 34    | 0.74  | 331   | 0.115 | <1    | 1.72  | 0.032 | 0.10  | 0.1   | 0.02  | 5.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0384 | Soil                             | 12    | 30    | 0.96  | 410   | 0.181 | <1    | 2.03  | 0.020 | 0.41  | 0.1   | 0.02  | 6.4   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| 11KJ0386 | Soil                             | 11    | 26    | 1.39  | 409   | 0.194 | <1    | 2.73  | 0.027 | 0.67  | <0.1  | <0.01 | 5.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0387 | Soil                             | 16    | 21    | 2.33  | 740   | 0.333 | <1    | 3.50  | 0.026 | 1.79  | <0.1  | <0.01 | 4.4   | 0.4   | <0.05 | 11    | <0.5  | <0.2  |
| 11KJ0389 | Soil                             | 58    | 12    | 0.33  | 614   | 0.007 | 2     | 1.03  | 0.012 | 0.20  | 0.2   | <0.01 | 6.6   | <0.1  | <0.05 | 3     | 0.8   | <0.2  |
| 11KJ0390 | Soil                             | 22    | 18    | 1.41  | 577   | 0.246 | <1    | 2.57  | 0.015 | 0.81  | <0.1  | <0.01 | 6.5   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0391 | Soil                             | 20    | 14    | 1.77  | 667   | 0.263 | 1     | 2.82  | 0.016 | 1.30  | <0.1  | <0.01 | 9.4   | 0.3   | <0.05 | 11    | 0.7   | <0.2  |
| 11KJ0392 | Soil                             | 11    | 28    | 1.98  | 584   | 0.299 | 1     | 3.11  | 0.021 | 1.33  | <0.1  | <0.01 | 6.8   | 0.3   | <0.05 | 9     | 0.6   | <0.2  |



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Project: None Given  
Report Date: November 27, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11KJ0393 | Soil                             | 0.2              | 5.4              | 2.3              | 82             | <0.1             | 9.2              | 24.8             | 967            | 4.46            | 2.3              | 0.7             | <0.5             | 6.5              | 26             | <0.1             | <0.1             | <0.1             | 142           | 0.53            | 0.169           |
| 11KJ0399 | Soil                             | 0.5              | 16.7             | 8.2              | 60             | <0.1             | 12.9             | 9.7              | 293            | 2.71            | 5.7              | 0.8             | 3.7              | 3.5              | 27             | 0.1              | 0.3              | 0.1              | 68            | 0.32            | 0.061           |
| 11KJ0402 | Soil                             | 0.4              | 20.7             | 4.5              | 70             | <0.1             | 7.8              | 17.5             | 900            | 4.52            | 3.2              | 0.8             | 26.1             | 2.2              | 22             | <0.1             | <0.1             | <0.1             | 115           | 0.73            | 0.212           |
| 11KJ0403 | Soil                             | 0.3              | 21.9             | 3.3              | 74             | <0.1             | 15.2             | 17.8             | 817            | 4.42            | 2.5              | 0.5             | 1.1              | 2.3              | 37             | <0.1             | <0.1             | <0.1             | 125           | 0.67            | 0.195           |
| 11KJ0406 | Soil                             | 0.6              | 14.7             | 7.9              | 56             | <0.1             | 12.8             | 9.1              | 361            | 2.66            | 5.5              | 0.7             | 31.7             | 2.8              | 25             | 0.1              | 0.3              | 0.1              | 65            | 0.32            | 0.055           |
| 11KJ0407 | Soil                             | 0.3              | 9.5              | 4.8              | 80             | <0.1             | 10.0             | 15.0             | 687            | 3.71            | 3.7              | 0.6             | 1.7              | 2.9              | 32             | <0.1             | 0.2              | <0.1             | 121           | 0.55            | 0.119           |
| 11KJ0408 | Soil                             | 0.4              | 8.2              | 4.6              | 93             | <0.1             | 14.7             | 17.9             | 701            | 4.52            | 4.6              | 0.5             | <0.5             | 3.4              | 23             | <0.1             | 0.2              | <0.1             | 88            | 0.51            | 0.101           |
| 11KJ0409 | Soil                             | 0.4              | 13.3             | 4.1              | 81             | <0.1             | 15.0             | 14.5             | 580            | 3.85            | 3.5              | 0.6             | 1.5              | 3.9              | 23             | 0.1              | 0.3              | <0.1             | 74            | 0.50            | 0.052           |
| 11KJ0410 | Soil                             | 0.8              | 7.6              | 10.7             | 50             | <0.1             | 6.2              | 5.6              | 234            | 1.87            | 3.1              | 0.3             | 1.7              | 1.5              | 12             | <0.1             | 0.2              | <0.1             | 31            | 0.18            | 0.050           |
| 11KJ0411 | Soil                             | 0.4              | 26.2             | 6.1              | 74             | <0.1             | 10.6             | 12.7             | 501            | 4.45            | 2.6              | 0.6             | 1.6              | 3.3              | 21             | <0.1             | 0.3              | <0.1             | 85            | 0.46            | 0.069           |
| 11KJ0412 | Soil                             | 1.0              | 8.2              | 8.9              | 61             | <0.1             | 12.3             | 9.8              | 406            | 3.41            | 6.0              | 0.7             | <0.5             | 7.3              | 21             | <0.1             | 0.3              | 0.1              | 65            | 0.25            | 0.073           |
| 11KJ0413 | Soil                             | 0.8              | 10.0             | 8.3              | 128            | <0.1             | 16.8             | 19.3             | 786            | 6.22            | 5.5              | 0.4             | <0.5             | 2.6              | 14             | <0.1             | 0.4              | <0.1             | 121           | 0.16            | 0.055           |
| 11KJ0415 | Soil                             | 0.3              | 4.4              | 3.7              | 97             | <0.1             | 10.9             | 16.8             | 734            | 4.38            | 2.5              | 0.4             | <0.5             | 4.6              | 25             | <0.1             | 0.2              | <0.1             | 62            | 0.47            | 0.143           |
| 11KJ0416 | Soil                             | 0.5              | 17.8             | 7.0              | 54             | <0.1             | 17.7             | 9.7              | 306            | 2.64            | 6.7              | 0.9             | 1.1              | 4.2              | 27             | <0.1             | 0.4              | 0.1              | 58            | 0.34            | 0.059           |
| 11KJ0417 | Soil                             | 0.5              | 20.2             | 6.1              | 59             | <0.1             | 41.0             | 11.4             | 368            | 2.87            | 5.8              | 0.8             | 1.2              | 4.9              | 45             | <0.1             | 0.4              | 0.1              | 63            | 0.47            | 0.094           |
| 11KJ0418 | Soil                             | 3.4              | 12.7             | 10.7             | 28             | <0.1             | 1.6              | 1.2              | 40             | 1.80            | 18.2             | 1.8             | 2.4              | 17.6             | 9              | <0.1             | 0.2              | 0.4              | 7             | 0.04            | 0.017           |
| 11KJ0419 | Soil                             | 0.4              | 27.1             | 7.5              | 130            | <0.1             | 17.0             | 15.3             | 637            | 3.89            | 3.2              | 0.7             | <0.5             | 3.0              | 37             | <0.1             | <0.1             | 0.1              | 77            | 0.51            | 0.138           |
| 11KJ0420 | Soil                             | 1.2              | 17.9             | 9.8              | 62             | <0.1             | 14.5             | 9.0              | 371            | 2.70            | 6.3              | 1.4             | 1.0              | 9.5              | 22             | <0.1             | 0.3              | 0.2              | 42            | 0.23            | 0.045           |
| 11KJ0421 | Soil                             | 1.9              | 15.3             | 11.2             | 59             | <0.1             | 7.8              | 10.6             | 525            | 2.30            | 3.9              | 1.9             | 1.1              | 13.0             | 25             | <0.1             | 0.2              | 0.2              | 25            | 0.28            | 0.039           |
| 11KJ0424 | Soil                             | 0.5              | 27.2             | 13.1             | 65             | <0.1             | 19.2             | 8.9              | 319            | 2.82            | 6.0              | 3.1             | 3.4              | 35.7             | 19             | <0.1             | 0.2              | 0.2              | 41            | 0.22            | 0.037           |
| 11KJ0426 | Soil                             | 1.3              | 15.9             | 15.5             | 57             | 0.2              | 24.9             | 8.3              | 312            | 2.40            | 16.7             | 3.0             | 3.2              | 13.4             | 29             | <0.1             | 0.4              | 0.2              | 35            | 0.27            | 0.046           |
| 11KJ0427 | Soil                             | 0.5              | 29.8             | 4.2              | 66             | <0.1             | 16.6             | 15.9             | 519            | 3.07            | 4.6              | 1.0             | 1.8              | 2.8              | 24             | <0.1             | 0.2              | <0.1             | 67            | 0.63            | 0.103           |
| 11KJ0428 | Soil                             | 0.4              | 51.7             | 2.9              | 76             | <0.1             | 41.7             | 35.9             | 308            | 3.10            | 2.7              | 0.3             | 0.7              | 1.4              | 62             | <0.1             | <0.1             | <0.1             | 127           | 1.01            | 0.213           |
| 11KJ0429 | Soil                             | 0.8              | 56.8             | 6.2              | 74             | 0.3              | 28.9             | 19.8             | 540            | 3.29            | 2.6              | 0.7             | 0.9              | 2.7              | 31             | 0.2              | <0.1             | <0.1             | 70            | 0.89            | 0.120           |
| 11KJ0430 | Soil                             | 1.4              | 18.0             | 6.3              | 103            | <0.1             | 16.3             | 11.9             | 550            | 3.36            | 3.8              | 1.0             | <0.5             | 4.2              | 23             | <0.1             | <0.1             | <0.1             | 57            | 0.22            | 0.086           |
| 11KJ0440 | Soil                             | 5.7              | 36.6             | 8.2              | 69             | 0.3              | 44.2             | 14.6             | 556            | 2.99            | 6.6              | 2.4             | 6.7              | 7.3              | 67             | 0.2              | 0.4              | 0.2              | 69            | 0.75            | 0.162           |
| 11KJ0441 | Soil                             | 7.0              | 55.8             | 9.9              | 63             | <0.1             | 21.5             | 11.5             | 480            | 2.98            | 64.4             | 1.7             | 9.7              | 10.9             | 22             | 0.2              | 0.8              | 0.1              | 31            | 0.31            | 0.058           |
| 11KJ0442 | Soil                             | 2.6              | 26.8             | 10.1             | 48             | 0.1              | 20.5             | 8.1              | 294            | 2.78            | 8.0              | 1.2             | 20.7             | 6.9              | 27             | <0.1             | 0.4              | 0.2              | 63            | 0.25            | 0.035           |
| 11KJ0443 | Soil                             | 5.4              | 24.2             | 8.0              | 47             | <0.1             | 17.9             | 8.8              | 411            | 2.57            | 6.4              | 0.8             | 37.3             | 5.0              | 29             | 0.1              | 0.4              | 0.2              | 57            | 0.24            | 0.036           |
| 11KJ0444 | Soil                             | 3.9              | 15.2             | 9.2              | 41             | <0.1             | 13.5             | 7.6              | 358            | 2.43            | 6.2              | 0.8             | 115.8            | 5.4              | 19             | <0.1             | 0.5              | 0.2              | 48            | 0.17            | 0.027           |



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**Project:** None Given  
**Report Date:** November 27, 2011

**Page:** 5 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11KJ0393 | Soil                             | 25    | 19    | 2.08  | 648   | 0.308 | 1     | 2.83  | 0.015 | 1.53  | <0.1  | <0.01 | 8.0   | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11KJ0399 | Soil                             | 14    | 23    | 0.70  | 324   | 0.143 | 1     | 1.86  | 0.016 | 0.21  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0402 | Soil                             | 11    | 15    | 1.70  | 541   | 0.243 | <1    | 2.65  | 0.013 | 1.07  | <0.1  | <0.01 | 9.1   | 0.2   | <0.05 | 10    | 0.6   | <0.2  |
| 11KJ0403 | Soil                             | 10    | 56    | 1.84  | 461   | 0.254 | <1    | 2.61  | 0.017 | 0.98  | <0.1  | <0.01 | 6.9   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0406 | Soil                             | 11    | 24    | 0.59  | 285   | 0.117 | 2     | 1.75  | 0.016 | 0.10  | 0.2   | 0.02  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0407 | Soil                             | 12    | 18    | 1.45  | 531   | 0.243 | 2     | 2.26  | 0.019 | 0.82  | 0.1   | <0.01 | 6.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0408 | Soil                             | 12    | 27    | 1.36  | 429   | 0.203 | <1    | 2.17  | 0.017 | 0.65  | <0.1  | <0.01 | 10.4  | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0409 | Soil                             | 16    | 28    | 1.16  | 532   | 0.133 | 3     | 2.00  | 0.017 | 0.42  | <0.1  | 0.01  | 9.1   | 0.1   | <0.05 | 8     | 0.8   | <0.2  |
| 11KJ0410 | Soil                             | 4     | 12    | 0.45  | 186   | 0.020 | <1    | 1.12  | 0.008 | 0.16  | <0.1  | <0.01 | 2.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11KJ0411 | Soil                             | 18    | 19    | 0.74  | 399   | 0.083 | 2     | 1.75  | 0.012 | 0.33  | <0.1  | 0.01  | 10.4  | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0412 | Soil                             | 23    | 22    | 0.60  | 352   | 0.077 | 1     | 2.22  | 0.014 | 0.19  | <0.1  | <0.01 | 5.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0413 | Soil                             | 5     | 62    | 1.33  | 273   | 0.236 | 2     | 3.18  | 0.012 | 0.88  | <0.1  | <0.01 | 14.4  | 0.3   | <0.05 | 12    | <0.5  | <0.2  |
| 11KJ0415 | Soil                             | 16    | 26    | 1.29  | 381   | 0.192 | <1    | 2.70  | 0.018 | 0.85  | <0.1  | <0.01 | 8.7   | 0.2   | <0.05 | 10    | 0.8   | <0.2  |
| 11KJ0416 | Soil                             | 17    | 31    | 0.63  | 390   | 0.112 | <1    | 1.73  | 0.016 | 0.08  | 0.1   | 0.03  | 5.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0417 | Soil                             | 23    | 56    | 0.94  | 369   | 0.149 | 1     | 1.80  | 0.017 | 0.16  | <0.1  | 0.01  | 6.1   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11KJ0418 | Soil                             | 22    | 3     | 0.03  | 47    | 0.002 | 1     | 0.45  | 0.004 | 0.04  | <0.1  | <0.01 | 0.8   | <0.1  | <0.05 | 1     | 1.2   | <0.2  |
| 11KJ0419 | Soil                             | 19    | 48    | 2.15  | 329   | 0.223 | 1     | 2.86  | 0.009 | 1.05  | <0.1  | <0.01 | 1.7   | 0.8   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0420 | Soil                             | 19    | 27    | 0.75  | 188   | 0.117 | 2     | 1.68  | 0.013 | 0.23  | <0.1  | <0.01 | 2.1   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 11KJ0421 | Soil                             | 43    | 13    | 0.72  | 200   | 0.096 | <1    | 1.62  | 0.009 | 0.36  | <0.1  | 0.01  | 2.9   | 0.3   | <0.05 | 3     | <0.5  | <0.2  |
| 11KJ0424 | Soil                             | 88    | 25    | 0.54  | 178   | 0.081 | 1     | 1.97  | 0.009 | 0.19  | <0.1  | 0.03  | 4.1   | 0.3   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0426 | Soil                             | 28    | 23    | 0.37  | 204   | 0.041 | <1    | 1.30  | 0.011 | 0.08  | <0.1  | 0.03  | 2.9   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11KJ0427 | Soil                             | 12    | 20    | 1.06  | 398   | 0.139 | <1    | 2.10  | 0.017 | 0.36  | 0.1   | 0.02  | 3.6   | 0.1   | 0.05  | 6     | 0.8   | <0.2  |
| 11KJ0428 | Soil                             | 6     | 27    | 1.82  | 446   | 0.208 | <1    | 2.95  | 0.023 | 0.39  | <0.1  | 0.01  | 4.4   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0429 | Soil                             | 13    | 38    | 1.07  | 267   | 0.126 | 3     | 2.03  | 0.020 | 0.20  | <0.1  | 0.02  | 5.9   | 0.1   | 0.08  | 5     | 0.6   | 0.2   |
| 11KJ0430 | Soil                             | 8     | 17    | 1.15  | 195   | 0.178 | 2     | 2.65  | 0.009 | 0.69  | <0.1  | <0.01 | 2.6   | 0.3   | 0.06  | 7     | 0.7   | <0.2  |
| 11KJ0440 | Soil                             | 46    | 65    | 1.06  | 849   | 0.092 | <1    | 2.18  | 0.015 | 0.10  | <0.1  | 0.05  | 6.4   | 0.1   | 0.09  | 7     | <0.5  | <0.2  |
| 11KJ0441 | Soil                             | 45    | 23    | 0.29  | 376   | 0.029 | <1    | 1.23  | 0.011 | 0.11  | <0.1  | 0.02  | 4.4   | 0.1   | 0.06  | 4     | 0.6   | <0.2  |
| 11KJ0442 | Soil                             | 21    | 41    | 0.54  | 365   | 0.075 | 3     | 2.08  | 0.012 | 0.08  | 0.1   | 0.04  | 4.8   | 0.1   | 0.06  | 6     | <0.5  | <0.2  |
| 11KJ0443 | Soil                             | 22    | 34    | 0.54  | 285   | 0.072 | 2     | 1.50  | 0.015 | 0.08  | 0.1   | 0.01  | 3.6   | <0.1  | <0.05 | 4     | 0.7   | <0.2  |
| 11KJ0444 | Soil                             | 15    | 25    | 0.40  | 240   | 0.056 | 1     | 1.59  | 0.011 | 0.08  | 0.1   | 0.03  | 3.1   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |



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Project: None Given

Report Date: November 27, 2011

Page: 6 of 6 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11KJ0445 | Soil                             | 1.4   | 23.9  | 8.6   | 42    | <0.1  | 15.0  | 7.7   | 298   | 2.90  | 7.7   | 0.7   | 4.5   | 3.7   | 16    | <0.1  | 0.7   | 0.2   | 72    | 0.15  | 0.024 |
| 11KJ0446 | Soil                             | 2.8   | 14.7  | 16.5  | 50    | <0.1  | 20.5  | 8.7   | 277   | 3.12  | 10.5  | 0.6   | 19.0  | 4.6   | 16    | 0.2   | 0.6   | 0.2   | 64    | 0.15  | 0.039 |
| 11KJ0447 | Soil                             | 1.0   | 17.8  | 10.3  | 43    | <0.1  | 19.8  | 9.3   | 313   | 2.76  | 9.0   | 0.8   | 14.0  | 6.7   | 17    | <0.1  | 0.4   | 0.2   | 55    | 0.13  | 0.018 |
| 11KJ0448 | Soil                             | 0.6   | 17.5  | 8.2   | 39    | <0.1  | 20.2  | 7.7   | 235   | 2.38  | 8.8   | 0.8   | 3.7   | 6.5   | 18    | <0.1  | 0.4   | 0.2   | 51    | 0.16  | 0.018 |
| 11KJ0449 | Soil                             | 0.6   | 22.6  | 7.4   | 47    | <0.1  | 25.6  | 8.0   | 360   | 2.39  | 5.9   | 1.0   | 8.9   | 8.1   | 35    | <0.1  | 0.4   | 0.1   | 48    | 0.34  | 0.051 |
| 11KJ0450 | Soil                             | 0.6   | 40.2  | 25.5  | 66    | <0.1  | 47.6  | 15.6  | 686   | 2.90  | 4.3   | 2.0   | 3.2   | 14.1  | 73    | <0.1  | 0.4   | 0.3   | 69    | 0.60  | 0.118 |
| 11KJ0451 | Soil                             | 0.7   | 18.3  | 11.6  | 68    | <0.1  | 27.0  | 13.1  | 501   | 3.44  | 4.1   | 1.0   | 9.7   | 7.5   | 21    | <0.1  | 0.4   | 0.2   | 77    | 0.19  | 0.046 |
| 11KJ0452 | Soil                             | 1.3   | 12.1  | 11.2  | 51    | <0.1  | 17.4  | 8.4   | 562   | 2.75  | 6.1   | 0.8   | 20.5  | 6.0   | 15    | <0.1  | 0.4   | 0.2   | 58    | 0.09  | 0.046 |
| 11KJ0453 | Soil                             | 1.0   | 11.8  | 9.3   | 44    | <0.1  | 10.5  | 8.8   | 614   | 2.77  | 6.3   | 0.7   | 3.5   | 10.3  | 18    | 0.1   | 0.3   | 0.1   | 31    | 0.11  | 0.042 |
| 11KJ0454 | Soil                             | 0.5   | 16.7  | 8.8   | 46    | <0.1  | 23.8  | 9.1   | 402   | 2.55  | 6.2   | 0.9   | 2.5   | 12.1  | 24    | <0.1  | 0.4   | 0.1   | 49    | 0.22  | 0.031 |
| 11KJ0455 | Soil                             | 0.6   | 9.1   | 6.6   | 39    | <0.1  | 6.8   | 6.2   | 431   | 2.60  | 2.3   | 0.6   | <0.5  | 16.4  | 27    | <0.1  | 0.2   | <0.1  | 25    | 0.12  | 0.023 |
| 11KJ0456 | Soil                             | 2.2   | 147.3 | 13.5  | 107   | <0.1  | 13.7  | 14.6  | 411   | 5.36  | 4.7   | 1.6   | 3.1   | 10.4  | 23    | 0.2   | 1.9   | 0.9   | 43    | 0.21  | 0.055 |
| 11KJ0457 | Soil                             | 2.1   | 54.4  | 21.6  | 59    | <0.1  | 16.9  | 8.6   | 276   | 2.84  | 6.7   | 1.1   | 36.4  | 9.2   | 19    | <0.1  | 1.2   | 0.4   | 45    | 0.14  | 0.016 |
| 11KJ0458 | Soil                             | 0.7   | 28.6  | 8.4   | 54    | 0.2   | 38.6  | 12.1  | 402   | 3.06  | 6.5   | 0.8   | 7.5   | 6.5   | 27    | <0.1  | 0.5   | 0.2   | 63    | 0.35  | 0.045 |





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**Project:** None Given  
**Report Date:** November 27, 2011

**Page:** 6 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001380.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11KJ0445 | Soil                             | 10    | 31    | 0.47  | 144   | 0.078 | <1    | 1.81  | 0.009 | 0.10  | <0.1  | 0.03  | 3.9   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 11KJ0446 | Soil                             | 11    | 33    | 0.45  | 199   | 0.061 | <1    | 2.45  | 0.010 | 0.07  | 0.2   | 0.04  | 2.9   | <0.1  | <0.05 | 6     | 1.0   | <0.2  |
| 11KJ0447 | Soil                             | 13    | 31    | 0.52  | 220   | 0.063 | 1     | 2.18  | 0.011 | 0.06  | <0.1  | 0.04  | 3.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0448 | Soil                             | 16    | 29    | 0.49  | 209   | 0.069 | 3     | 2.01  | 0.010 | 0.06  | <0.1  | 0.02  | 3.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0449 | Soil                             | 29    | 35    | 0.69  | 371   | 0.099 | 2     | 1.67  | 0.017 | 0.10  | 0.1   | 0.03  | 5.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0450 | Soil                             | 41    | 121   | 1.31  | 722   | 0.135 | <1    | 1.99  | 0.019 | 0.16  | <0.1  | 0.03  | 6.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0451 | Soil                             | 11    | 77    | 1.25  | 250   | 0.124 | 2     | 3.07  | 0.014 | 0.21  | <0.1  | 0.01  | 6.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0452 | Soil                             | 13    | 46    | 0.62  | 186   | 0.078 | <1    | 1.83  | 0.013 | 0.11  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0453 | Soil                             | 15    | 22    | 0.46  | 135   | 0.072 | <1    | 1.75  | 0.009 | 0.26  | <0.1  | 0.01  | 3.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0454 | Soil                             | 27    | 33    | 0.64  | 334   | 0.080 | 1     | 1.96  | 0.011 | 0.10  | 0.1   | 0.01  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0455 | Soil                             | 40    | 10    | 0.43  | 255   | 0.066 | <1    | 1.80  | 0.009 | 0.30  | <0.1  | 0.02  | 3.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0456 | Soil                             | 28    | 14    | 0.39  | 700   | 0.041 | 2     | 2.22  | 0.008 | 0.32  | 0.1   | 0.01  | 6.8   | 0.3   | <0.05 | 5     | <0.5  | 0.3   |
| 11KJ0457 | Soil                             | 24    | 27    | 0.36  | 401   | 0.031 | 1     | 1.96  | 0.010 | 0.08  | <0.1  | 0.02  | 3.5   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11KJ0458 | Soil                             | 24    | 57    | 0.74  | 1044  | 0.057 | <1    | 1.88  | 0.018 | 0.06  | <0.1  | 0.04  | 6.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |



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Project: None Given

Report Date: November 27, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001380.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11KJ0115            | Soil                             | 0.7   | 18.0  | 8.4   | 67    | <0.1  | 14.7  | 12.6  | 478   | 3.21  | 6.0   | 0.8   | 3.4   | 2.8   | 28    | 0.1   | 0.3   | 0.1   | 75    | 0.38  | 0.074  |
| REP 11KJ0115        | QC                               | 0.7   | 17.4  | 8.4   | 67    | <0.1  | 14.9  | 12.4  | 464   | 3.14  | 5.7   | 0.8   | 8.1   | 2.9   | 29    | 0.1   | 0.4   | 0.1   | 74    | 0.39  | 0.074  |
| 11KJ0158            | Soil                             | 0.5   | 12.9  | 5.6   | 58    | <0.1  | 14.8  | 12.7  | 547   | 3.85  | 5.2   | 0.5   | 1.9   | 4.8   | 17    | <0.1  | 0.3   | <0.1  | 84    | 0.20  | 0.041  |
| REP 11KJ0158        | QC                               | 0.5   | 12.9  | 5.4   | 54    | <0.1  | 14.2  | 12.4  | 553   | 3.82  | 5.2   | 0.5   | <0.5  | 4.7   | 17    | <0.1  | 0.3   | <0.1  | 84    | 0.21  | 0.040  |
| 11KJ0187            | Soil                             | 2.0   | 7.9   | 124.4 | 150   | 0.4   | 6.7   | 15.6  | 2179  | 3.56  | 42.1  | 3.0   | 10.6  | 13.8  | 20    | 0.6   | 0.2   | 0.5   | 18    | 0.21  | 0.066  |
| REP 11KJ0187        | QC                               | 1.9   | 8.0   | 126.2 | 151   | 0.4   | 6.9   | 16.0  | 2178  | 3.57  | 42.0  | 3.0   | 10.5  | 13.8  | 21    | 0.6   | 0.2   | 0.5   | 18    | 0.20  | 0.071  |
| 11KJ0205            | Soil                             | 1.2   | 15.0  | 9.9   | 42    | <0.1  | 6.4   | 4.3   | 421   | 1.59  | 4.0   | 0.5   | 3.2   | 1.9   | 18    | 0.2   | 0.8   | 0.2   | 35    | 0.19  | 0.042  |
| REP 11KJ0205        | QC                               | 1.3   | 15.0  | 9.8   | 41    | <0.1  | 6.3   | 4.6   | 429   | 1.59  | 3.7   | 0.5   | 0.9   | 1.9   | 17    | 0.1   | 0.9   | 0.2   | 34    | 0.20  | 0.039  |
| 11KJ0389            | Soil                             | 0.2   | 16.2  | 4.2   | 56    | <0.1  | 11.8  | 9.8   | 753   | 2.99  | 2.2   | 0.9   | 4.7   | 13.6  | 32    | <0.1  | 0.2   | <0.1  | 41    | 0.36  | 0.108  |
| REP 11KJ0389        | QC                               | 0.3   | 16.2  | 4.3   | 55    | <0.1  | 10.9  | 9.5   | 713   | 2.83  | 2.0   | 0.9   | 4.3   | 13.4  | 31    | <0.1  | 0.2   | <0.1  | 41    | 0.36  | 0.104  |
| 11KJ0417            | Soil                             | 0.5   | 20.2  | 6.1   | 59    | <0.1  | 41.0  | 11.4  | 368   | 2.87  | 5.8   | 0.8   | 1.2   | 4.9   | 45    | <0.1  | 0.4   | 0.1   | 63    | 0.47  | 0.094  |
| REP 11KJ0417        | QC                               | 0.5   | 20.1  | 5.9   | 55    | <0.1  | 40.5  | 11.1  | 356   | 2.85  | 5.7   | 0.8   | 3.3   | 4.9   | 45    | <0.1  | 0.4   | 0.1   | 63    | 0.46  | 0.094  |
| 11KJ0445            | Soil                             | 1.4   | 23.9  | 8.6   | 42    | <0.1  | 15.0  | 7.7   | 298   | 2.90  | 7.7   | 0.7   | 4.5   | 3.7   | 16    | <0.1  | 0.7   | 0.2   | 72    | 0.15  | 0.024  |
| REP 11KJ0445        | QC                               | 1.4   | 22.7  | 8.5   | 42    | <0.1  | 13.8  | 7.3   | 285   | 2.70  | 6.9   | 0.7   | 5.0   | 3.4   | 16    | <0.1  | 0.6   | 0.2   | 70    | 0.13  | 0.022  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 12.0  | 97.0  | 117.3 | 272   | 1.6   | 35.4  | 6.3   | 632   | 2.10  | 21.3  | 3.1   | 115.9 | 6.8   | 70    | 2.1   | 5.0   | 7.1   | 37    | 0.59  | 0.071  |
| STD DS8             | Standard                         | 15.1  | 112.4 | 133.2 | 311   | 1.8   | 39.1  | 7.9   | 615   | 2.47  | 25.1  | 3.1   | 122.2 | 7.4   | 74    | 2.1   | 5.6   | 6.7   | 44    | 0.69  | 0.077  |
| STD DS8             | Standard                         | 14.0  | 113.4 | 129.9 | 315   | 1.8   | 39.9  | 7.7   | 644   | 2.48  | 26.9  | 3.0   | 121.6 | 7.3   | 74    | 2.4   | 6.0   | 6.8   | 42    | 0.71  | 0.080  |
| STD DS8             | Standard                         | 12.4  | 105.8 | 124.6 | 293   | 1.8   | 37.2  | 7.4   | 589   | 2.36  | 25.9  | 2.8   | 98.4  | 6.5   | 72    | 2.1   | 5.6   | 7.0   | 40    | 0.65  | 0.076  |
| STD DS8             | Standard                         | 13.3  | 104.9 | 125.4 | 301   | 1.8   | 35.8  | 7.4   | 599   | 2.37  | 26.1  | 2.9   | 111.0 | 7.0   | 72    | 2.2   | 5.5   | 6.6   | 40    | 0.67  | 0.076  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Project: None Given

Report Date: November 27, 2011

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001380.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11KJ0115            | Soil                             | 14    | 28    | 0.70   | 350   | 0.122  | 2     | 2.06  | 0.018  | 0.10  | 0.1   | 0.03  | 5.6   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11KJ0115        | QC                               | 14    | 29    | 0.68   | 348   | 0.119  | 2     | 2.05  | 0.017  | 0.10  | 0.1   | 0.04  | 5.6   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| 11KJ0158            | Soil                             | 11    | 26    | 1.44   | 230   | 0.254  | 1     | 2.95  | 0.014  | 0.69  | 0.1   | <0.01 | 8.3   | 0.2   | <0.05  | 9     | <0.5  | <0.2  |
| REP 11KJ0158        | QC                               | 11    | 26    | 1.43   | 230   | 0.255  | 1     | 2.97  | 0.010  | 0.69  | 0.1   | <0.01 | 8.0   | 0.2   | <0.05  | 9     | <0.5  | <0.2  |
| 11KJ0187            | Soil                             | 17    | 9     | 0.29   | 145   | 0.028  | <1    | 1.11  | 0.008  | 0.08  | <0.1  | <0.01 | 1.3   | 0.2   | <0.05  | 3     | 1.2   | 2.2   |
| REP 11KJ0187        | QC                               | 18    | 9     | 0.30   | 143   | 0.030  | 1     | 1.13  | 0.009  | 0.09  | 0.1   | <0.01 | 1.5   | 0.2   | <0.05  | 3     | 1.6   | 2.5   |
| 11KJ0205            | Soil                             | 21    | 13    | 0.17   | 185   | 0.027  | <1    | 0.97  | 0.008  | 0.08  | <0.1  | 0.01  | 1.4   | 0.1   | <0.05  | 5     | <0.5  | <0.2  |
| REP 11KJ0205        | QC                               | 20    | 13    | 0.17   | 186   | 0.027  | <1    | 0.94  | 0.008  | 0.08  | 0.1   | 0.01  | 1.5   | 0.1   | <0.05  | 5     | <0.5  | <0.2  |
| 11KJ0389            | Soil                             | 58    | 12    | 0.33   | 614   | 0.007  | 2     | 1.03  | 0.012  | 0.20  | 0.2   | <0.01 | 6.6   | <0.1  | <0.05  | 3     | 0.8   | <0.2  |
| REP 11KJ0389        | QC                               | 56    | 11    | 0.33   | 607   | 0.007  | 2     | 1.02  | 0.012  | 0.20  | 0.1   | 0.01  | 6.3   | <0.1  | <0.05  | 3     | <0.5  | <0.2  |
| 11KJ0417            | Soil                             | 23    | 56    | 0.94   | 369   | 0.149  | 1     | 1.80  | 0.017  | 0.16  | <0.1  | 0.01  | 6.1   | <0.1  | <0.05  | 6     | 0.6   | <0.2  |
| REP 11KJ0417        | QC                               | 23    | 56    | 0.91   | 356   | 0.145  | 3     | 1.77  | 0.018  | 0.16  | 0.1   | <0.01 | 5.9   | <0.1  | <0.05  | 6     | 0.6   | <0.2  |
| 11KJ0445            | Soil                             | 10    | 31    | 0.47   | 144   | 0.078  | <1    | 1.81  | 0.009  | 0.10  | <0.1  | 0.03  | 3.9   | 0.1   | <0.05  | 7     | 0.6   | <0.2  |
| REP 11KJ0445        | QC                               | 9     | 31    | 0.45   | 136   | 0.073  | 1     | 1.65  | 0.009  | 0.09  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05  | 7     | 0.6   | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 15    | 102   | 0.55   | 254   | 0.104  | 3     | 0.80  | 0.091  | 0.35  | 2.8   | 0.18  | 1.9   | 4.9   | 0.13   | 4     | 4.1   | 5.4   |
| STD DS8             | Standard                         | 16    | 122   | 0.63   | 278   | 0.126  | 3     | 0.98  | 0.077  | 0.44  | 3.2   | 0.20  | 2.7   | 5.7   | 0.14   | 5     | 6.2   | 4.9   |
| STD DS8             | Standard                         | 18    | 121   | 0.63   | 301   | 0.132  | 3     | 0.95  | 0.118  | 0.44  | 3.1   | 0.20  | 3.0   | 5.5   | 0.16   | 5     | 5.0   | 5.1   |
| STD DS8             | Standard                         | 14    | 112   | 0.56   | 271   | 0.113  | 3     | 0.92  | 0.112  | 0.43  | 2.9   | 0.20  | 2.7   | 5.3   | 0.13   | 5     | 5.1   | 4.5   |
| STD DS8             | Standard                         | 17    | 112   | 0.61   | 288   | 0.119  | 4     | 0.93  | 0.091  | 0.42  | 3.0   | 0.20  | 2.3   | 5.6   | 0.12   | 5     | 5.3   | 4.6   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Receiving Lab: Canada-Whitehorse

Received: January 19, 2012

Report Date: February 03, 2012

Page: 1 of 6

## CERTIFICATE OF ANALYSIS

WHI11001434A.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS39  
P.O. Number  
Number of Samples: 134

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| 1DX2        | 134               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | In Progress   | VAN |

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: February 03, 2012

Page: 2 of 6 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|-----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|           |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|           |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11JM0672A | Soil                             | 0.5        | 13.5       | 2.1        | 40       | <0.1       | 7.3        | 3.4        | 499      | 0.81      | <0.5       | 0.6        | 3.0        | 0.2        | 182      | 0.2        | 0.4        | 0.9        | 5        | 3.60      |
| 11JM0673A | Soil                             | 1.0        | 14.4       | 2.5        | 44       | <0.1       | 8.4        | 3.3        | 371      | 0.82      | 0.9        | 0.3        | 1.8        | 0.2        | 136      | 0.2        | 0.3        | 0.2        | 11       | 3.27      |
| 11JM0674A | Soil                             | 0.6        | 19.8       | 3.4        | 54       | <0.1       | 14.0       | 6.1        | 724      | 1.59      | 1.5        | 0.4        | 1.6        | 0.4        | 116      | 0.2        | 0.4        | 0.1        | 25       | 2.81      |
| 11JM0675A | Soil                             | 1.2        | 14.0       | 4.2        | 73       | <0.1       | 14.3       | 7.4        | 780      | 1.95      | 1.2        | 0.5        | 2.4        | 0.6        | 292      | 0.2        | 0.4        | 0.1        | 31       | 2.51      |
| 11JM0676A | Soil                             | 1.1        | 15.9       | 3.8        | 56       | <0.1       | 17.2       | 8.1        | 1213     | 1.84      | 1.5        | 0.5        | 3.6        | 0.6        | 336      | 0.2        | 0.4        | <0.1       | 34       | 2.53      |
| 11JM0677A | Soil                             | 0.7        | 8.1        | 0.6        | 27       | <0.1       | 3.2        | 1.3        | 226      | 0.30      | <0.5       | 0.5        | 3.4        | 0.1        | 550      | 0.2        | 0.2        | <0.1       | <2       | 3.83      |
| 11CB1073A | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      |
| 11CB1074A | Soil                             | 1.1        | 14.2       | 5.6        | 26       | 0.5        | 8.9        | 3.3        | 700      | 0.94      | 0.7        | 0.2        | <0.5       | 0.2        | 26       | 0.9        | 0.2        | 0.1        | 22       | 0.58      |
| 11CB1075A | Soil                             | 0.8        | 18.5       | 4.4        | 337      | 0.3        | 9.7        | 3.5        | 7744     | 0.76      | 0.8        | 0.2        | <0.5       | 0.3        | 216      | 0.9        | 0.2        | <0.1       | 11       | 5.89      |
| 11CB1076A | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      |
| 11CB1077A | Soil                             | 0.4        | 17.8       | 6.5        | 62       | 0.2        | 5.9        | 2.4        | 875      | 0.90      | <0.5       | 0.5        | 0.6        | 0.6        | 32       | 0.3        | 0.1        | 0.1        | 16       | 0.57      |
| 11CB1078A | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      |
| 11CB1079A | Soil                             | 0.8        | 30.1       | 6.2        | 116      | 0.4        | 12.0       | 5.1        | 1956     | 0.94      | <0.5       | 0.8        | 1.1        | <0.1       | 72       | 1.3        | 0.2        | <0.1       | 7        | 1.31      |
| 11CB1080A | Soil                             | 0.7        | 11.6       | 4.6        | 46       | 0.2        | 9.2        | 9.5        | 611      | 1.82      | 1.5        | 1.1        | 2.2        | 0.2        | 64       | 0.4        | 0.3        | <0.1       | 29       | 0.90      |
| 11CB1081A | Soil                             | 0.6        | 14.0       | 4.7        | 46       | 0.2        | 10.5       | 9.7        | 642      | 1.74      | 2.1        | 1.4        | 1.0        | 0.1        | 71       | 0.5        | 0.3        | <0.1       | 27       | 1.01      |
| 11CB1082A | Soil                             | 0.6        | 27.8       | 5.8        | 43       | 0.3        | 13.5       | 6.1        | 304      | 1.58      | 2.1        | 1.4        | 1.6        | 0.1        | 60       | 0.5        | 0.3        | <0.1       | 26       | 1.04      |
| 11CB1083A | Soil                             | 0.5        | 30.3       | 4.7        | 40       | 0.2        | 14.5       | 6.8        | 312      | 1.55      | 1.5        | 1.5        | 0.7        | 0.2        | 67       | 0.5        | 0.3        | 0.1        | 25       | 1.21      |
| 11CB1084A | Soil                             | 0.6        | 30.1       | 7.1        | 54       | 0.2        | 15.2       | 7.7        | 326      | 2.23      | 3.6        | 1.6        | 2.1        | 0.3        | 60       | 0.4        | 0.3        | 0.1        | 43       | 1.03      |
| 11CB1085A | Soil                             | 0.7        | 14.6       | 4.8        | 59       | <0.1       | 16.2       | 6.8        | 309      | 1.81      | 5.0        | 0.4        | 1.6        | 1.6        | 49       | 0.5        | 0.4        | <0.1       | 37       | 0.88      |
| 11CB1086A | Soil                             | 0.8        | 20.5       | 4.2        | 75       | 0.6        | 10.9       | 3.2        | 630      | 0.68      | 1.8        | 0.2        | 1.2        | <0.1       | 32       | 1.2        | 0.5        | 0.1        | 14       | 0.51      |
| 11CB1087A | Soil                             | 0.9        | 14.9       | 5.0        | 76       | 0.3        | 8.3        | 2.8        | 1311     | 0.68      | 1.2        | 0.2        | 0.8        | <0.1       | 36       | 0.9        | 0.4        | 0.1        | 18       | 0.75      |
| 11CB1088A | Soil                             | 1.0        | 39.8       | 8.8        | 121      | 1.2        | 21.8       | 6.3        | 1672     | 1.62      | 2.4        | 0.9        | 1.0        | 0.5        | 62       | 1.7        | 0.3        | 0.2        | 29       | 0.86      |
| 11CB1089A | Soil                             | 0.9        | 40.8       | 5.5        | 129      | 1.2        | 16.4       | 3.8        | 1054     | 0.96      | 0.8        | 1.0        | <0.5       | 0.1        | 65       | 1.4        | 0.2        | 0.1        | 13       | 1.24      |
| 11CB1090A | Soil                             | 0.8        | 17.2       | 3.8        | 26       | 1.0        | 10.3       | 3.2        | 77       | 1.08      | 1.7        | 0.9        | 1.2        | <0.1       | 37       | 0.3        | 0.3        | <0.1       | 14       | 0.46      |
| 11CB1091A | Soil                             | 1.0        | 15.9       | 3.5        | 49       | 0.5        | 7.6        | 2.2        | 104      | 0.61      | 1.9        | 0.2        | <0.5       | <0.1       | 18       | 0.3        | 0.2        | <0.1       | 15       | 0.18      |
| 11CB1092A | Soil                             | 0.9        | 15.3       | 6.0        | 49       | 0.2        | 12.0       | 4.6        | 168      | 1.70      | 3.5        | 0.4        | 0.8        | 0.3        | 31       | 0.6        | 0.3        | 0.1        | 39       | 0.32      |
| 11CB1093A | Soil                             | 0.8        | 13.1       | 5.1        | 31       | 0.3        | 7.8        | 3.2        | 170      | 1.35      | 2.4        | 0.4        | 1.6        | 0.3        | 20       | 0.3        | 0.2        | 0.1        | 33       | 0.18      |
| 11CB1094A | Soil                             | 0.6        | 21.7       | 3.3        | 25       | 0.2        | 7.2        | 2.6        | 121      | 0.75      | 1.1        | 0.5        | 1.1        | <0.1       | 27       | 0.3        | 0.2        | 0.1        | 15       | 0.36      |
| 11CB1095A | Soil                             | 0.7        | 15.4       | 2.2        | 24       | 0.3        | 8.0        | 2.3        | 79       | 0.98      | 1.3        | 1.2        | 2.0        | 0.3        | 44       | 0.2        | 0.2        | <0.1       | 8        | 0.66      |
| 11CB1096A | Soil                             | 0.6        | 15.0       | 3.2        | 66       | 0.3        | 8.9        | 3.4        | 654      | 1.36      | 1.7        | 1.3        | 2.5        | 0.8        | 46       | 0.2        | 0.2        | 0.1        | 16       | 1.01      |



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Project: Mariposa  
Report Date: February 03, 2012

Page: 2 of 6 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|           |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|           |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11JM0672A | Soil                             | 6     | 9     | 0.32  | 888   | 0.013 | 10    | 0.47  | 0.014 | 0.04  | <0.1  | 0.05  | 1.4   | <0.1  | 0.31  | 1     | <0.5  | <0.2  |
| 11JM0673A | Soil                             | 6     | 9     | 0.30  | 754   | 0.010 | 8     | 0.43  | 0.013 | 0.04  | 0.1   | 0.10  | 1.1   | <0.1  | 0.25  | 1     | <0.5  | <0.2  |
| 11JM0674A | Soil                             | 7     | 13    | 0.47  | 750   | 0.018 | 6     | 0.77  | 0.014 | 0.05  | <0.1  | 0.07  | 2.1   | <0.1  | 0.19  | 3     | <0.5  | <0.2  |
| 11JM0675A | Soil                             | 7     | 19    | 0.60  | 782   | 0.022 | 5     | 0.94  | 0.015 | 0.06  | <0.1  | 0.07  | 3.8   | <0.1  | 0.17  | 4     | <0.5  | <0.2  |
| 11JM0676A | Soil                             | 8     | 18    | 0.62  | 843   | 0.019 | 4     | 0.95  | 0.014 | 0.04  | <0.1  | 0.06  | 3.4   | <0.1  | 0.17  | 4     | <0.5  | <0.2  |
| 11JM0677A | Soil                             | 1     | 4     | 0.30  | 1000  | 0.008 | 8     | 0.21  | 0.014 | 0.02  | <0.1  | 0.06  | 0.5   | <0.1  | 0.26  | <1    | <0.5  | <0.2  |
| 11CB1073A | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11CB1074A | Soil                             | 5     | 11    | 0.17  | 800   | 0.022 | 2     | 0.57  | 0.015 | 0.10  | <0.1  | 0.10  | 1.0   | <0.1  | 0.16  | 3     | <0.5  | <0.2  |
| 11CB1075A | Soil                             | 3     | 8     | 0.20  | 1338  | 0.026 | 6     | 0.39  | 0.018 | 0.11  | <0.1  | 0.01  | 1.4   | <0.1  | 0.10  | 2     | <0.5  | <0.2  |
| 11CB1076A | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11CB1077A | Soil                             | 10    | 9     | 0.12  | 567   | 0.010 | 1     | 0.81  | 0.019 | 0.16  | <0.1  | <0.01 | 2.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB1078A | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11CB1079A | Soil                             | 11    | 6     | 0.15  | 794   | 0.005 | 3     | 0.66  | 0.015 | 0.08  | <0.1  | 0.12  | 0.4   | <0.1  | 0.15  | 1     | <0.5  | <0.2  |
| 11CB1080A | Soil                             | 16    | 12    | 0.32  | 576   | 0.027 | 2     | 1.25  | 0.012 | 0.09  | <0.1  | 0.09  | 3.4   | <0.1  | 0.14  | 4     | <0.5  | <0.2  |
| 11CB1081A | Soil                             | 20    | 12    | 0.30  | 620   | 0.024 | 2     | 1.32  | 0.014 | 0.08  | <0.1  | 0.11  | 3.1   | <0.1  | 0.15  | 4     | <0.5  | <0.2  |
| 11CB1082A | Soil                             | 16    | 14    | 0.28  | 555   | 0.021 | 2     | 1.14  | 0.016 | 0.05  | 0.1   | 0.11  | 2.1   | <0.1  | 0.13  | 3     | <0.5  | <0.2  |
| 11CB1083A | Soil                             | 19    | 13    | 0.28  | 585   | 0.018 | 2     | 1.12  | 0.016 | 0.05  | <0.1  | 0.10  | 2.2   | <0.1  | 0.17  | 3     | <0.5  | <0.2  |
| 11CB1084A | Soil                             | 17    | 20    | 0.42  | 538   | 0.036 | 2     | 1.63  | 0.017 | 0.07  | 0.1   | 0.09  | 3.8   | <0.1  | 0.12  | 5     | <0.5  | <0.2  |
| 11CB1085A | Soil                             | 8     | 22    | 0.47  | 220   | 0.062 | 3     | 1.06  | 0.027 | 0.07  | 0.1   | 0.04  | 2.6   | <0.1  | 0.11  | 4     | <0.5  | <0.2  |
| 11CB1086A | Soil                             | 3     | 9     | 0.13  | 364   | 0.003 | 2     | 0.62  | 0.018 | 0.09  | <0.1  | 0.11  | 0.2   | <0.1  | 0.08  | 2     | <0.5  | <0.2  |
| 11CB1087A | Soil                             | 3     | 9     | 0.13  | 286   | 0.006 | 2     | 0.45  | 0.015 | 0.08  | <0.1  | 0.08  | 0.2   | <0.1  | 0.13  | 2     | <0.5  | <0.2  |
| 11CB1088A | Soil                             | 25    | 16    | 0.19  | 785   | 0.042 | 2     | 1.10  | 0.023 | 0.14  | <0.1  | 0.02  | 2.7   | <0.1  | 0.09  | 4     | <0.5  | <0.2  |
| 11CB1089A | Soil                             | 29    | 11    | 0.17  | 532   | 0.010 | 3     | 0.70  | 0.020 | 0.08  | <0.1  | 0.06  | 0.7   | <0.1  | 0.11  | 2     | <0.5  | <0.2  |
| 11CB1090A | Soil                             | 22    | 11    | 0.15  | 435   | 0.013 | 2     | 0.87  | 0.015 | 0.06  | <0.1  | 0.13  | 0.9   | <0.1  | 0.16  | 2     | <0.5  | <0.2  |
| 11CB1091A | Soil                             | 4     | 9     | 0.08  | 206   | 0.007 | 1     | 0.45  | 0.016 | 0.06  | <0.1  | 0.07  | 0.2   | <0.1  | 0.07  | 1     | <0.5  | <0.2  |
| 11CB1092A | Soil                             | 8     | 16    | 0.30  | 291   | 0.043 | <1    | 1.16  | 0.012 | 0.09  | <0.1  | 0.07  | 1.7   | <0.1  | 0.07  | 5     | <0.5  | <0.2  |
| 11CB1093A | Soil                             | 7     | 14    | 0.23  | 188   | 0.055 | <1    | 0.90  | 0.012 | 0.09  | <0.1  | 0.05  | 1.7   | <0.1  | 0.07  | 5     | <0.5  | <0.2  |
| 11CB1094A | Soil                             | 15    | 11    | 0.11  | 316   | 0.012 | <1    | 0.54  | 0.015 | 0.07  | <0.1  | 0.08  | 0.4   | <0.1  | 0.08  | 3     | <0.5  | <0.2  |
| 11CB1095A | Soil                             | 45    | 8     | 0.11  | 441   | 0.020 | 2     | 0.72  | 0.012 | 0.05  | <0.1  | 0.10  | 1.9   | <0.1  | 0.17  | 2     | <0.5  | <0.2  |
| 11CB1096A | Soil                             | 45    | 13    | 0.18  | 469   | 0.042 | 2     | 1.12  | 0.013 | 0.08  | <0.1  | 0.08  | 3.4   | <0.1  | 0.15  | 4     | <0.5  | <0.2  |



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Report Date: February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|           |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|           |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11CB1097A | Soil                             | 0.6   | 14.5  | 3.6   | 36    | 0.3   | 9.1   | 3.7   | 123   | 1.59  | 2.0   | 1.2   | 1.7   | 1.2   | 34    | 0.2   | 0.2   | 0.1   | 23    | 0.50  | 0.080 |
| 11CB1098A | Soil                             | 0.6   | 15.7  | 3.6   | 36    | 0.2   | 9.7   | 3.9   | 116   | 1.76  | 2.5   | 1.3   | 2.4   | 1.2   | 32    | 0.2   | 0.2   | 0.1   | 24    | 0.50  | 0.086 |
| 11CB1099A | Soil                             | 0.6   | 12.6  | 2.2   | 22    | 0.3   | 7.0   | 2.2   | 73    | 1.14  | 1.2   | 1.3   | 3.9   | 0.6   | 40    | 0.2   | 0.2   | <0.1  | 7     | 0.67  | 0.099 |
| 11AN0251A | Soil                             | 0.7   | 28.1  | 6.2   | 21    | 0.3   | 7.1   | 2.2   | 54    | 0.95  | 1.9   | 0.6   | 1.0   | <0.1  | 17    | 0.7   | 0.2   | 0.1   | 23    | 0.13  | 0.052 |
| 11AN0252A | Soil                             | 0.8   | 25.1  | 10.1  | 32    | 0.4   | 6.8   | 2.6   | 88    | 1.00  | 2.1   | 0.7   | 0.9   | <0.1  | 28    | 0.8   | 0.2   | 0.1   | 21    | 0.23  | 0.055 |
| 11AN0253A | Soil                             | 0.8   | 17.9  | 6.4   | 18    | 0.4   | 5.7   | 1.7   | 64    | 0.69  | 1.3   | 0.6   | 0.5   | <0.1  | 21    | 0.7   | 0.2   | 0.1   | 15    | 0.14  | 0.069 |
| 11AN0254A | Soil                             | 0.6   | 17.5  | 7.4   | 28    | 0.2   | 8.2   | 2.9   | 72    | 1.24  | 1.9   | 0.7   | 0.6   | <0.1  | 20    | 0.6   | 0.2   | 0.1   | 23    | 0.15  | 0.057 |
| 11AN0255A | Soil                             | 0.7   | 20.7  | 7.1   | 21    | 0.4   | 7.1   | 1.8   | 80    | 0.96  | 1.4   | 1.0   | 1.7   | <0.1  | 21    | 0.6   | 0.2   | 0.1   | 13    | 0.18  | 0.074 |
| 11AN0256A | Soil                             | 1.1   | 28.5  | 8.2   | 41    | 0.7   | 10.0  | 3.7   | 160   | 1.10  | 2.4   | 0.9   | 1.0   | <0.1  | 31    | 1.3   | 0.2   | 0.1   | 22    | 0.34  | 0.086 |
| 11AN0257A | Soil                             | 0.7   | 40.9  | 17.7  | 68    | 0.9   | 13.8  | 14.2  | 1730  | 2.35  | 3.5   | 1.9   | 6.3   | 0.8   | 71    | 1.0   | 0.4   | 1.0   | 33    | 0.86  | 0.091 |
| 11AN0258A | Soil                             | 0.9   | 29.5  | 9.0   | 34    | 0.9   | 8.2   | 3.3   | 121   | 1.24  | 2.4   | 1.3   | 2.6   | 0.2   | 50    | 0.5   | 0.2   | 0.4   | 15    | 0.57  | 0.132 |
| 11AN0259A | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11AN0260A | Soil                             | 0.6   | 28.8  | 6.4   | 25    | 0.3   | 9.3   | 3.0   | 110   | 0.81  | 2.0   | 2.1   | 0.6   | 0.7   | 38    | 0.5   | 0.2   | 0.1   | 8     | 0.40  | 0.106 |
| 11AN0261A | Soil                             | 0.6   | 33.8  | 7.9   | 23    | 0.3   | 9.5   | 2.8   | 80    | 0.97  | 2.1   | 2.6   | 1.2   | 0.6   | 33    | 0.5   | 0.2   | 0.1   | 10    | 0.32  | 0.097 |
| 11AN0262A | Soil                             | 0.6   | 13.4  | 7.1   | 36    | 0.1   | 9.4   | 6.3   | 808   | 1.79  | 5.1   | 0.3   | 1.7   | 0.5   | 15    | 0.2   | 0.2   | 0.1   | 37    | 0.19  | 0.038 |
| 11AN0263A | Soil                             | 0.8   | 11.6  | 6.3   | 56    | 0.3   | 9.1   | 16.0  | 3820  | 1.41  | 3.0   | 0.1   | 2.6   | 0.1   | 64    | 0.6   | 0.4   | 0.1   | 31    | 1.05  | 0.092 |
| 11AN0264A | Soil                             | 0.4   | 7.8   | 5.0   | 87    | 0.1   | 6.5   | 6.6   | 543   | 1.37  | 1.9   | <0.1  | 0.9   | 0.1   | 70    | 0.7   | 0.2   | 0.1   | 27    | 0.85  | 0.078 |
| 11AN0265A | Soil                             | 0.5   | 18.0  | 6.6   | 17    | 0.2   | 5.8   | 1.9   | 65    | 0.90  | 2.8   | 0.2   | <0.5  | <0.1  | 13    | 0.3   | 0.2   | 0.1   | 18    | 0.08  | 0.057 |
| 11AN0266A | Soil                             | 0.5   | 15.0  | 4.1   | 19    | 0.3   | 8.2   | 2.7   | 54    | 0.74  | 2.2   | 0.2   | 0.6   | <0.1  | 25    | 0.5   | 0.2   | 0.1   | 11    | 0.12  | 0.088 |
| 11AN0267A | Soil                             | 0.6   | 19.2  | 5.4   | 25    | 0.1   | 8.4   | 3.4   | 91    | 1.34  | 4.1   | 0.7   | 1.2   | <0.1  | 34    | 0.3   | 0.2   | 0.1   | 26    | 0.23  | 0.063 |
| 11AN0268A | Soil                             | 0.5   | 10.5  | 5.6   | 15    | <0.1  | 3.9   | 1.8   | 53    | 0.93  | 2.6   | 0.4   | <0.5  | <0.1  | 16    | 0.2   | 0.2   | 0.1   | 20    | 0.07  | 0.055 |
| 11AN0269A | Soil                             | 0.6   | 10.2  | 4.9   | 24    | 0.2   | 5.7   | 3.0   | 100   | 1.19  | 3.6   | 0.5   | 1.3   | <0.1  | 27    | 0.2   | 0.1   | 0.1   | 23    | 0.20  | 0.075 |
| 11AN0270A | Soil                             | 1.2   | 12.8  | 6.3   | 54    | 0.1   | 11.7  | 13.2  | 1050  | 1.97  | 5.6   | 1.4   | 2.0   | 0.8   | 75    | 0.3   | 0.3   | 0.1   | 36    | 0.94  | 0.066 |
| 11AN0271A | Soil                             | 0.9   | 29.1  | 4.5   | 32    | <0.1  | 14.9  | 4.9   | 111   | 1.07  | 4.4   | 0.4   | <0.5  | 0.1   | 38    | 1.0   | 0.3   | <0.1  | 21    | 0.52  | 0.055 |
| 11AN0272A | Soil                             | 0.6   | 19.0  | 5.5   | 66    | <0.1  | 16.3  | 6.9   | 359   | 1.72  | 7.5   | 0.4   | 1.0   | 0.9   | 39    | 0.5   | 0.4   | 0.1   | 36    | 0.73  | 0.067 |
| 11AN0273A | Soil                             | 0.6   | 14.6  | 5.9   | 19    | 0.2   | 5.5   | 3.1   | 59    | 1.16  | 4.1   | 0.3   | 2.1   | <0.1  | 9     | 0.2   | 0.2   | 0.1   | 28    | 0.09  | 0.053 |
| 11AN0274A | Soil                             | 0.7   | 9.8   | 1.3   | 52    | 0.1   | 3.5   | 2.3   | 999   | 0.37  | 0.8   | 0.3   | 3.0   | <0.1  | 87    | 0.5   | 0.2   | <0.1  | 3     | 2.95  | 0.067 |
| 11AN0275A | Soil                             | 2.3   | 19.8  | 1.7   | 37    | 0.2   | 8.1   | 5.6   | 2282  | 0.64  | 11.2  | 0.4   | 2.5   | 0.1   | 96    | 0.4   | 0.4   | <0.1  | 6     | 2.78  | 0.091 |
| 11AN0276A | Soil                             | 2.0   | 18.3  | 8.5   | 70    | 0.2   | 13.7  | 11.2  | 574   | 2.63  | 18.9  | 0.5   | 6.7   | 1.3   | 51    | 0.1   | 0.3   | 0.1   | 66    | 1.02  | 0.056 |
| 11AN0277A | Soil                             | 1.7   | 22.7  | 3.9   | 49    | 0.2   | 8.7   | 16.6  | 810   | 1.76  | 3.6   | 0.6   | 6.2   | 0.6   | 52    | 0.3   | 0.3   | 0.1   | 41    | 1.07  | 0.071 |



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Report Date: February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|           |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|           |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB1097A | Soil                             | 39    | 14    | 0.25  | 400   | 0.053 | 1     | 1.24  | 0.012 | 0.10  | 0.1   | 0.07  | 3.9   | <0.1  | 0.11  | 5     | <0.5  | <0.2  |
| 11CB1098A | Soil                             | 46    | 16    | 0.26  | 420   | 0.058 | 1     | 1.43  | 0.014 | 0.10  | 0.1   | 0.08  | 4.4   | <0.1  | 0.12  | 5     | <0.5  | <0.2  |
| 11CB1099A | Soil                             | 51    | 9     | 0.13  | 433   | 0.021 | 1     | 0.83  | 0.012 | 0.06  | <0.1  | 0.11  | 2.5   | <0.1  | 0.20  | 2     | 0.6   | <0.2  |
| 11AN0251A | Soil                             | 11    | 12    | 0.13  | 176   | 0.016 | <1    | 0.75  | 0.013 | 0.07  | <0.1  | 0.05  | 0.3   | <0.1  | 0.05  | 4     | <0.5  | <0.2  |
| 11AN0252A | Soil                             | 7     | 11    | 0.15  | 148   | 0.031 | <1    | 0.69  | 0.014 | 0.09  | <0.1  | 0.05  | 0.5   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11AN0253A | Soil                             | 12    | 10    | 0.08  | 191   | 0.011 | <1    | 0.54  | 0.013 | 0.06  | <0.1  | 0.06  | 0.2   | <0.1  | 0.05  | 3     | <0.5  | <0.2  |
| 11AN0254A | Soil                             | 9     | 14    | 0.19  | 176   | 0.013 | <1    | 0.88  | 0.011 | 0.08  | <0.1  | 0.04  | 0.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0255A | Soil                             | 12    | 13    | 0.08  | 197   | 0.007 | <1    | 0.73  | 0.018 | 0.04  | <0.1  | 0.06  | 0.4   | <0.1  | 0.06  | 3     | <0.5  | <0.2  |
| 11AN0256A | Soil                             | 22    | 13    | 0.15  | 241   | 0.011 | 1     | 0.77  | 0.014 | 0.07  | <0.1  | 0.08  | 0.3   | <0.1  | 0.05  | 3     | <0.5  | <0.2  |
| 11AN0257A | Soil                             | 45    | 16    | 0.36  | 369   | 0.038 | 1     | 1.67  | 0.018 | 0.08  | 0.1   | 0.13  | 4.1   | <0.1  | 0.07  | 4     | 0.8   | <0.2  |
| 11AN0258A | Soil                             | 17    | 9     | 0.18  | 222   | 0.010 | 1     | 0.73  | 0.022 | 0.06  | <0.1  | 0.10  | 0.8   | <0.1  | 0.10  | 2     | 0.6   | 0.3   |
| 11AN0259A | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11AN0260A | Soil                             | 23    | 7     | 0.06  | 245   | 0.006 | 1     | 0.49  | 0.012 | 0.03  | <0.1  | 0.11  | 0.8   | <0.1  | 0.09  | <1    | <0.5  | <0.2  |
| 11AN0261A | Soil                             | 27    | 8     | 0.07  | 229   | 0.004 | 1     | 0.56  | 0.010 | 0.03  | <0.1  | 0.10  | 0.7   | <0.1  | 0.05  | 1     | <0.5  | <0.2  |
| 11AN0262A | Soil                             | 8     | 12    | 0.23  | 363   | 0.018 | <1    | 0.85  | 0.007 | 0.04  | 0.1   | 0.04  | 0.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0263A | Soil                             | 3     | 12    | 0.23  | 692   | 0.023 | 2     | 0.72  | 0.012 | 0.10  | <0.1  | 0.17  | 0.9   | <0.1  | 0.08  | 3     | 0.6   | <0.2  |
| 11AN0264A | Soil                             | 1     | 8     | 0.29  | 476   | 0.037 | 1     | 0.63  | 0.007 | 0.06  | <0.1  | 0.07  | 0.4   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11AN0265A | Soil                             | 3     | 8     | 0.07  | 156   | 0.007 | <1    | 0.58  | 0.008 | 0.02  | <0.1  | 0.05  | 0.2   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11AN0266A | Soil                             | 3     | 6     | 0.07  | 240   | 0.004 | <1    | 0.56  | 0.011 | 0.03  | <0.1  | 0.09  | 0.4   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| 11AN0267A | Soil                             | 8     | 13    | 0.18  | 292   | 0.011 | <1    | 1.04  | 0.009 | 0.04  | <0.1  | 0.07  | 0.5   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0268A | Soil                             | 3     | 9     | 0.08  | 117   | 0.007 | <1    | 0.63  | 0.008 | 0.02  | <0.1  | 0.05  | 0.2   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11AN0269A | Soil                             | 4     | 11    | 0.17  | 176   | 0.009 | <1    | 0.75  | 0.009 | 0.03  | <0.1  | 0.08  | 0.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0270A | Soil                             | 21    | 17    | 0.41  | 362   | 0.020 | 1     | 1.04  | 0.011 | 0.04  | 0.1   | 0.06  | 1.3   | <0.1  | 0.11  | 4     | <0.5  | <0.2  |
| 11AN0271A | Soil                             | 6     | 11    | 0.20  | 263   | 0.010 | 1     | 0.55  | 0.011 | 0.04  | 0.1   | 0.07  | 0.6   | <0.1  | 0.07  | 2     | 0.5   | <0.2  |
| 11AN0272A | Soil                             | 6     | 17    | 0.45  | 210   | 0.033 | 2     | 0.86  | 0.014 | 0.07  | 0.2   | 0.04  | 1.3   | <0.1  | 0.06  | 3     | <0.5  | <0.2  |
| 11AN0273A | Soil                             | 4     | 10    | 0.13  | 121   | 0.009 | <1    | 0.75  | 0.007 | 0.03  | <0.1  | 0.04  | 0.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0274A | Soil                             | 9     | 4     | 0.15  | 468   | 0.004 | 4     | 0.34  | 0.013 | 0.03  | <0.1  | 0.12  | 0.5   | <0.1  | 0.17  | <1    | 0.5   | <0.2  |
| 11AN0275A | Soil                             | 6     | 5     | 0.17  | 548   | 0.004 | 5     | 0.41  | 0.013 | 0.02  | 0.2   | 0.10  | 0.4   | <0.1  | 0.18  | <1    | <0.5  | <0.2  |
| 11AN0276A | Soil                             | 8     | 25    | 0.75  | 297   | 0.099 | 1     | 1.56  | 0.015 | 0.07  | 0.2   | 0.04  | 3.0   | 0.1   | 0.05  | 6     | 0.5   | 0.2   |
| 11AN0277A | Soil                             | 12    | 11    | 0.43  | 324   | 0.069 | 3     | 0.95  | 0.017 | 0.16  | 0.2   | 0.09  | 2.0   | 0.1   | 0.09  | 3     | 0.6   | <0.2  |





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Project: Mariposa  
Report Date: February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|-----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|           |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|           |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11AN0278A | Soil                             | 1.8        | 19.8       | 8.5        | 44       | 0.5        | 8.4        | 7.3        | 210      | 2.20      | 2.9        | 1.0        | 4.4        | 0.7        | 27       | 0.2        | 0.2        | 0.5        | 43       | 0.44      |
| 11AN0279A | Soil                             | 1.3        | 21.8       | 11.1       | 63       | 0.4        | 10.2       | 8.3        | 391      | 2.56      | 3.8        | 0.7        | 1.1        | 1.3        | 22       | 0.3        | 0.2        | 0.1        | 58       | 0.25      |
| 11AN0280A | Soil                             | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.     | I.S.       | I.S.       | I.S.       | I.S.     | I.S.      |
| 11AN0281A | Soil                             | 1.1        | 15.3       | 5.2        | 21       | 0.3        | 4.7        | 2.4        | 96       | 0.88      | 1.8        | 0.4        | 1.3        | 0.1        | 19       | 0.1        | 0.2        | 0.2        | 22       | 0.17      |
| 11AN0282A | Soil                             | 1.1        | 16.1       | 6.8        | 28       | 0.5        | 6.7        | 3.8        | 95       | 1.40      | 3.3        | 0.6        | 0.8        | 0.4        | 24       | <0.1       | 0.1        | <0.1       | 30       | 0.22      |
| 11AN0283A | Soil                             | 1.1        | 22.3       | 7.3        | 60       | 0.3        | 11.4       | 8.6        | 204      | 2.38      | 4.2        | 0.6        | 1.0        | 0.7        | 25       | 0.2        | 0.1        | <0.1       | 54       | 0.26      |
| 11AN0284A | Soil                             | 0.8        | 19.5       | 5.3        | 33       | 0.2        | 7.7        | 5.0        | 110      | 1.62      | 4.0        | 0.6        | 1.8        | 0.5        | 25       | 0.1        | 0.2        | <0.1       | 30       | 0.27      |
| 11AN0285A | Soil                             | 0.9        | 19.1       | 7.1        | 59       | 0.2        | 13.0       | 9.2        | 212      | 2.22      | 5.5        | 0.6        | 3.6        | 1.0        | 21       | 0.1        | 0.2        | <0.1       | 47       | 0.22      |
| 11AN0286A | Soil                             | 0.7        | 17.0       | 2.9        | 20       | 0.2        | 7.3        | 4.2        | 93       | 1.22      | 3.1        | 0.6        | 1.1        | 0.3        | 34       | 0.2        | 0.2        | <0.1       | 13       | 0.37      |
| 11AN0287A | Soil                             | 0.7        | 13.7       | 3.0        | 27       | 0.3        | 6.4        | 4.6        | 82       | 1.14      | 3.7        | 0.5        | 0.6        | 0.2        | 23       | 0.2        | 0.2        | <0.1       | 19       | 0.28      |
| 11AN0288A | Soil                             | 0.8        | 10.5       | 6.0        | 44       | 0.1        | 8.2        | 5.8        | 142      | 1.74      | 5.4        | 0.3        | 3.4        | 0.5        | 13       | 0.1        | 0.2        | 0.1        | 43       | 0.15      |
| 11AN0289A | Soil                             | 0.8        | 18.5       | 6.5        | 39       | 0.2        | 8.5        | 6.3        | 122      | 1.70      | 4.7        | 0.5        | 2.1        | 0.3        | 16       | 0.2        | 0.2        | <0.1       | 36       | 0.17      |
| 11AN0290A | Soil                             | 0.7        | 13.4       | 5.6        | 49       | 0.1        | 9.5        | 7.6        | 157      | 1.96      | 5.1        | 0.3        | 1.5        | 0.6        | 10       | 0.1        | 0.2        | <0.1       | 49       | 0.13      |
| 11AN0291A | Soil                             | 5.4        | 10.9       | 1.3        | 27       | 0.2        | 2.5        | 1.7        | 175      | 0.41      | <0.5       | 1.0        | 2.9        | 0.2        | 110      | 0.2        | 0.2        | 0.1        | 6        | 3.17      |
| 11AN0292A | Soil                             | 1.6        | 31.5       | 4.8        | 39       | 0.4        | 9.2        | 14.0       | 1256     | 1.28      | 2.4        | 1.3        | 2.1        | 0.2        | 91       | 0.5        | 0.3        | <0.1       | 19       | 1.88      |
| 11AN0293A | Soil                             | 1.2        | 32.2       | 8.4        | 53       | 0.4        | 13.6       | 11.6       | 391      | 2.33      | 3.3        | 1.4        | 3.8        | 1.4        | 52       | 0.3        | 0.3        | 0.2        | 48       | 0.79      |
| 11AN0294A | Soil                             | 0.7        | 28.6       | 11.1       | 52       | 0.4        | 8.6        | 6.4        | 214      | 1.97      | 2.1        | 0.9        | 2.5        | 1.5        | 21       | 0.4        | 0.2        | 0.1        | 48       | 0.21      |
| 11AN0295A | Soil                             | 1.3        | 22.8       | 10.3       | 47       | 0.4        | 12.1       | 5.8        | 189      | 1.81      | 3.4        | 0.5        | 2.6        | 0.5        | 24       | 0.6        | 0.3        | 0.1        | 37       | 0.18      |
| 11AN0296A | Soil                             | 1.2        | 18.5       | 13.6       | 85       | 0.3        | 10.4       | 6.8        | 351      | 2.09      | 3.8        | 0.4        | 5.0        | 1.3        | 32       | 1.3        | 0.2        | 0.1        | 47       | 0.51      |
| 11AN0297A | Soil                             | 1.4        | 77.8       | 27.7       | 117      | 0.4        | 21.7       | 18.1       | 957      | 2.83      | 4.6        | 2.7        | 7.0        | 1.6        | 88       | 2.1        | 0.5        | 0.2        | 54       | 1.56      |
| 11AN0298A | Soil                             | 1.5        | 51.9       | 14.0       | 76       | 3.7        | 16.0       | 11.1       | 433      | 2.30      | 4.1        | 3.0        | 15.0       | 0.8        | 82       | 1.9        | 0.3        | 0.4        | 32       | 1.01      |
| 11AN0299A | Soil                             | 1.4        | 58.7       | 18.7       | 77       | 1.7        | 10.0       | 5.1        | 180      | 2.00      | 3.6        | 1.2        | 3.9        | 1.0        | 31       | 1.1        | 0.2        | 0.6        | 44       | 0.30      |
| 11AN0300A | Soil                             | 0.5        | 16.7       | 6.2        | 54       | <0.1       | 11.9       | 7.9        | 482      | 1.92      | 3.5        | 0.6        | 3.4        | 1.5        | 83       | 0.3        | 0.4        | 0.1        | 35       | 1.93      |
| 11AN0301A | Soil                             | 0.5        | 19.4       | 6.3        | 72       | 0.1        | 13.1       | 6.7        | 589      | 1.73      | 2.5        | 0.6        | 2.7        | 1.3        | 95       | 0.5        | 0.4        | 0.1        | 30       | 2.35      |
| 11AN0302A | Soil                             | 1.2        | 10.9       | 10.1       | 33       | 0.1        | 8.6        | 4.1        | 234      | 2.08      | 4.3        | 0.3        | 3.3        | 1.6        | 41       | 0.3        | 0.3        | 0.2        | 58       | 0.26      |
| 11AN0303A | Soil                             | 0.7        | 10.3       | 7.5        | 40       | 0.1        | 7.9        | 5.2        | 294      | 2.19      | 3.1        | 0.3        | 2.1        | 0.2        | 67       | 0.1        | 0.2        | 0.1        | 49       | 0.28      |
| 11AN0304A | Soil                             | 1.3        | 9.6        | 10.1       | 41       | 0.2        | 10.3       | 5.3        | 301      | 2.06      | 4.1        | 0.2        | 1.5        | 0.6        | 31       | 0.3        | 0.4        | 0.2        | 48       | 0.16      |
| 11AN0305A | Soil                             | 1.0        | 9.8        | 8.8        | 40       | <0.1       | 9.0        | 4.3        | 372      | 1.75      | 3.3        | 0.2        | 0.9        | 0.2        | 34       | 0.4        | 0.4        | 0.2        | 44       | 0.26      |
| 11AN0306A | Soil                             | 0.8        | 9.8        | 9.9        | 18       | <0.1       | 5.1        | 2.2        | 86       | 1.41      | 3.2        | 0.3        | 1.5        | 0.5        | 14       | 0.2        | 0.3        | 0.2        | 41       | 0.08      |
| 11AN0307A | Soil                             | 0.8        | 11.6       | 5.8        | 19       | 0.2        | 5.5        | 2.1        | 121      | 0.99      | 1.9        | 0.3        | 1.4        | <0.1       | 32       | 0.2        | 0.2        | 0.1        | 23       | 0.14      |



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**Project:** Mariposa  
**Report Date:** February 03, 2012

**Page:** 4 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|           |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|           |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11AN0278A | Soil                             | 11    | 16    | 0.39  | 223   | 0.064 | 2     | 1.11  | 0.014 | 0.10  | 0.1   | 0.09  | 2.5   | <0.1  | 0.08  | 3     | 0.6   | <0.2  |
| 11AN0279A | Soil                             | 10    | 20    | 0.54  | 152   | 0.102 | <1    | 1.47  | 0.013 | 0.16  | 0.2   | 0.08  | 2.7   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11AN0280A | Soil                             | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  | I.S.  |
| 11AN0281A | Soil                             | 7     | 11    | 0.10  | 141   | 0.029 | <1    | 0.60  | 0.013 | 0.08  | <0.1  | 0.08  | 0.9   | <0.1  | 0.05  | 3     | <0.5  | <0.2  |
| 11AN0282A | Soil                             | 9     | 12    | 0.23  | 170   | 0.051 | <1    | 0.74  | 0.008 | 0.09  | <0.1  | 0.08  | 1.1   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0283A | Soil                             | 9     | 19    | 0.60  | 206   | 0.094 | <1    | 1.25  | 0.009 | 0.13  | 0.2   | 0.04  | 1.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11AN0284A | Soil                             | 7     | 14    | 0.28  | 188   | 0.045 | <1    | 0.78  | 0.010 | 0.06  | 0.1   | 0.10  | 1.3   | <0.1  | 0.08  | 3     | <0.5  | <0.2  |
| 11AN0285A | Soil                             | 7     | 20    | 0.56  | 177   | 0.069 | <1    | 1.25  | 0.009 | 0.09  | 0.2   | 0.05  | 1.9   | <0.1  | 0.06  | 4     | <0.5  | <0.2  |
| 11AN0286A | Soil                             | 10    | 7     | 0.09  | 265   | 0.016 | 1     | 0.53  | 0.013 | 0.04  | <0.1  | 0.10  | 1.0   | <0.1  | 0.11  | 1     | <0.5  | <0.2  |
| 11AN0287A | Soil                             | 6     | 10    | 0.16  | 194   | 0.021 | 1     | 0.60  | 0.009 | 0.06  | <0.1  | 0.08  | 0.8   | <0.1  | 0.08  | 2     | <0.5  | <0.2  |
| 11AN0288A | Soil                             | 5     | 15    | 0.37  | 107   | 0.059 | <1    | 0.87  | 0.007 | 0.05  | 0.2   | 0.04  | 1.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0289A | Soil                             | 8     | 15    | 0.32  | 120   | 0.033 | <1    | 0.88  | 0.008 | 0.04  | <0.1  | 0.05  | 1.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0290A | Soil                             | 4     | 19    | 0.49  | 82    | 0.064 | <1    | 1.03  | 0.008 | 0.08  | 0.2   | 0.03  | 1.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11AN0291A | Soil                             | 3     | 5     | 0.27  | 1132  | 0.019 | 6     | 0.25  | 0.017 | 0.04  | <0.1  | 0.11  | 1.2   | <0.1  | 0.16  | <1    | 1.4   | <0.2  |
| 11AN0292A | Soil                             | 15    | 9     | 0.26  | 405   | 0.019 | 3     | 0.74  | 0.014 | 0.05  | <0.1  | 0.14  | 1.2   | <0.1  | 0.15  | 2     | 0.7   | <0.2  |
| 11AN0293A | Soil                             | 16    | 20    | 0.51  | 361   | 0.089 | 2     | 1.55  | 0.020 | 0.10  | 0.1   | 0.10  | 3.9   | <0.1  | 0.10  | 5     | <0.5  | <0.2  |
| 11AN0294A | Soil                             | 10    | 18    | 0.48  | 246   | 0.117 | <1    | 1.38  | 0.016 | 0.10  | 0.1   | 0.05  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11AN0295A | Soil                             | 7     | 15    | 0.35  | 183   | 0.051 | <1    | 0.91  | 0.013 | 0.08  | 0.1   | 0.05  | 1.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0296A | Soil                             | 7     | 14    | 0.51  | 135   | 0.071 | 1     | 1.20  | 0.018 | 0.07  | 0.2   | 0.08  | 2.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0297A | Soil                             | 44    | 21    | 0.51  | 394   | 0.047 | 1     | 1.92  | 0.020 | 0.07  | 0.1   | 0.15  | 6.1   | <0.1  | 0.07  | 5     | <0.5  | <0.2  |
| 11AN0298A | Soil                             | 30    | 18    | 0.43  | 1268  | 0.027 | <1    | 1.44  | 0.017 | 0.07  | 0.1   | 0.15  | 5.2   | <0.1  | 0.07  | 4     | <0.5  | <0.2  |
| 11AN0299A | Soil                             | 11    | 17    | 0.39  | 253   | 0.053 | <1    | 1.36  | 0.015 | 0.06  | <0.1  | 0.06  | 2.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0300A | Soil                             | 14    | 17    | 0.48  | 832   | 0.030 | 2     | 1.06  | 0.021 | 0.05  | <0.1  | 0.06  | 3.2   | <0.1  | 0.07  | 4     | <0.5  | <0.2  |
| 11AN0301A | Soil                             | 14    | 15    | 0.44  | 913   | 0.025 | 2     | 0.99  | 0.019 | 0.06  | <0.1  | 0.07  | 3.2   | <0.1  | 0.08  | 3     | <0.5  | <0.2  |
| 11AN0302A | Soil                             | 8     | 16    | 0.28  | 296   | 0.066 | <1    | 1.04  | 0.014 | 0.07  | <0.1  | <0.01 | 2.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0303A | Soil                             | 5     | 12    | 0.50  | 219   | 0.035 | <1    | 1.40  | 0.015 | 0.06  | <0.1  | 0.05  | 2.1   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0304A | Soil                             | 5     | 17    | 0.28  | 203   | 0.052 | <1    | 0.87  | 0.011 | 0.06  | 0.1   | 0.05  | 1.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11AN0305A | Soil                             | 5     | 14    | 0.23  | 193   | 0.040 | <1    | 0.84  | 0.012 | 0.05  | <0.1  | 0.06  | 1.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11AN0306A | Soil                             | 8     | 13    | 0.14  | 97    | 0.053 | <1    | 0.71  | 0.010 | 0.04  | <0.1  | 0.02  | 1.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11AN0307A | Soil                             | 4     | 9     | 0.12  | 130   | 0.017 | <1    | 0.65  | 0.015 | 0.05  | <0.1  | 0.07  | 0.4   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |      |
|-----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|           |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|           |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|           |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11AN0308A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0309A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0310A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0311A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0312A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0313A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0314A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0315A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0316A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0317A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0318A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0319A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0320A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0321A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0322A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0323A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0324A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0325A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0326A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0327A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0328A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0329A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0330A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0331A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0332A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0333A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0334A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0335A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0336A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |
| 11AN0337A | Soil   |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |      |



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**Report Date:** February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    |
|           |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|           |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 11AN0308A | Soil                             | 6     | 13    | 0.20  | 151   | 0.014 | <1    | 0.98  | 0.014 | 0.04  | <0.1  | 0.06  | 0.6   | <0.1  | <0.05 | 4     | <0.5  |
| 11AN0309A | Soil                             | 6     | 9     | 0.07  | 187   | 0.016 | <1    | 0.40  | 0.018 | 0.04  | <0.1  | 0.04  | 0.5   | <0.1  | <0.05 | 2     | <0.5  |
| 11AN0310A | Soil                             | 5     | 10    | 0.44  | 196   | 0.065 | <1    | 1.08  | 0.020 | 0.08  | <0.1  | 0.05  | 2.4   | <0.1  | <0.05 | 6     | <0.5  |
| 11AN0311A | Soil                             | 16    | 18    | 0.53  | 429   | 0.059 | 1     | 1.66  | 0.021 | 0.08  | 0.3   | 0.10  | 4.5   | <0.1  | 0.06  | 6     | <0.5  |
| 11AN0312A | Soil                             | 8     | 6     | 0.20  | 421   | 0.014 | 5     | 0.35  | 0.019 | 0.05  | <0.1  | 0.10  | 1.1   | <0.1  | 0.18  | <1    | <0.5  |
| 11AN0313A | Soil                             | 6     | 17    | 0.44  | 226   | 0.047 | 3     | 0.84  | 0.022 | 0.06  | 0.2   | 0.07  | 2.1   | <0.1  | 0.10  | 3     | <0.5  |
| 11AN0314A | Soil                             | 11    | 28    | 0.49  | 287   | 0.060 | <1    | 1.33  | 0.015 | 0.06  | <0.1  | 0.07  | 3.0   | <0.1  | 0.05  | 5     | <0.5  |
| 11AN0315A | Soil                             | 8     | 40    | 0.68  | 648   | 0.082 | 1     | 1.19  | 0.019 | 0.09  | <0.1  | 0.05  | 2.8   | <0.1  | 0.13  | 4     | <0.5  |
| 11AN0316A | Soil                             | 8     | 17    | 0.47  | 476   | 0.057 | 1     | 0.89  | 0.018 | 0.05  | <0.1  | 0.06  | 1.5   | <0.1  | 0.11  | 4     | <0.5  |
| 11AN0317A | Soil                             | 4     | 10    | 0.21  | 235   | 0.022 | 1     | 0.46  | 0.018 | 0.05  | <0.1  | 0.08  | 1.1   | <0.1  | 0.15  | 2     | <0.5  |
| 11AN0318A | Soil                             | 7     | 22    | 0.83  | 319   | 0.162 | <1    | 1.52  | 0.017 | 0.19  | 0.1   | 0.06  | 2.7   | 0.2   | 0.08  | 6     | <0.5  |
| 11AN0319A | Soil                             | 7     | 6     | 0.13  | 286   | 0.019 | 2     | 0.45  | 0.015 | 0.05  | 0.6   | 0.13  | 1.4   | <0.1  | 0.16  | <1    | <0.5  |
| 11AN0320A | Soil                             | 6     | 21    | 0.69  | 159   | 0.165 | <1    | 1.44  | 0.014 | 0.19  | 0.1   | 0.03  | 2.5   | 0.2   | <0.05 | 7     | <0.5  |
| 11AN0321A | Soil                             | 7     | 23    | 0.79  | 213   | 0.178 | <1    | 1.67  | 0.017 | 0.19  | 0.2   | 0.03  | 2.7   | 0.2   | 0.06  | 7     | <0.5  |
| 11AN0322A | Soil                             | 9     | 23    | 0.76  | 272   | 0.142 | <1    | 1.61  | 0.016 | 0.13  | 0.2   | 0.06  | 3.2   | 0.2   | 0.07  | 6     | <0.5  |
| 11AN0323A | Soil                             | 7     | 15    | 0.47  | 207   | 0.085 | 1     | 0.94  | 0.016 | 0.08  | 0.2   | 0.06  | 2.2   | 0.1   | 0.08  | 4     | <0.5  |
| 11AN0324A | Soil                             | 8     | 23    | 0.77  | 185   | 0.130 | <1    | 1.59  | 0.017 | 0.09  | 0.2   | 0.04  | 3.0   | 0.1   | <0.05 | 6     | <0.5  |
| 11AN0325A | Soil                             | 9     | 10    | 0.38  | 254   | 0.058 | <1    | 0.78  | 0.014 | 0.07  | <0.1  | 0.12  | 1.9   | <0.1  | 0.08  | 3     | <0.5  |
| 11AN0326A | Soil                             | 9     | 17    | 0.50  | 196   | 0.093 | <1    | 1.21  | 0.015 | 0.08  | 0.1   | 0.06  | 2.7   | <0.1  | 0.06  | 5     | <0.5  |
| 11AN0327A | Soil                             | 11    | 16    | 0.41  | 199   | 0.053 | 1     | 1.12  | 0.017 | 0.05  | 0.2   | 0.06  | 2.3   | <0.1  | 0.07  | 3     | <0.5  |
| 11AN0328A | Soil                             | 7     | 20    | 0.49  | 109   | 0.051 | 1     | 1.09  | 0.014 | 0.05  | 0.2   | 0.05  | 2.4   | <0.1  | <0.05 | 4     | <0.5  |
| 11AN0329A | Soil                             | 10    | 14    | 0.42  | 383   | 0.099 | 2     | 0.87  | 0.018 | 0.16  | 0.1   | 0.07  | 3.8   | 0.1   | <0.05 | 5     | <0.5  |
| 11AN0330A | Soil                             | 29    | 27    | 0.99  | 542   | 0.177 | 2     | 2.15  | 0.018 | 0.30  | 0.1   | <0.01 | 7.7   | 0.2   | <0.05 | 8     | <0.5  |
| 11AN0331A | Soil                             | 13    | 24    | 0.65  | 431   | 0.134 | 1     | 1.55  | 0.016 | 0.21  | 0.1   | 0.05  | 4.7   | 0.1   | <0.05 | 7     | <0.5  |
| 11AN0332A | Soil                             | 7     | 14    | 0.42  | 239   | 0.050 | <1    | 1.00  | 0.013 | 0.19  | <0.1  | 0.04  | 1.5   | <0.1  | <0.05 | 5     | <0.5  |
| 11AN0333A | Soil                             | 10    | 12    | 0.13  | 481   | 0.022 | <1    | 0.66  | 0.018 | 0.08  | <0.1  | 0.07  | 0.8   | <0.1  | <0.05 | 3     | <0.5  |
| 11AN0334A | Soil                             | 36    | 13    | 0.30  | 708   | 0.027 | 2     | 0.95  | 0.020 | 0.14  | <0.1  | 0.07  | 2.8   | <0.1  | <0.05 | 3     | 0.5   |
| 11AN0335A | Soil                             | 37    | 15    | 0.47  | 1047  | 0.060 | 2     | 1.27  | 0.019 | 0.16  | <0.1  | 0.10  | 6.0   | <0.1  | <0.05 | 4     | <0.5  |
| 11AN0336A | Soil                             | 36    | 17    | 0.67  | 576   | 0.094 | 2     | 1.62  | 0.018 | 0.28  | <0.1  | 0.09  | 9.5   | 0.2   | 0.05  | 6     | 0.5   |
| 11AN0337A | Soil                             | 25    | 17    | 0.67  | 491   | 0.108 | 2     | 1.54  | 0.015 | 0.33  | 0.1   | 0.08  | 8.1   | 0.2   | 0.07  | 6     | <0.5  |



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**Project:** Mariposa  
**Report Date:** February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|           |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|           |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11AN0338A | Soil                             | 1.0   | 27.2  | 12.7  | 86    | 0.2   | 12.8  | 10.7  | 558   | 2.01  | 3.0   | 0.8   | 6.6   | 1.1   | 55    | 1.5   | 0.4   | 0.1   | 42    | 0.98  | 0.070 |
| 11AN0339A | Soil                             | 1.2   | 32.4  | 11.0  | 92    | 0.6   | 13.4  | 12.9  | 1133  | 2.01  | 4.0   | 0.9   | 9.0   | 0.7   | 73    | 1.3   | 0.5   | 0.3   | 39    | 1.24  | 0.103 |
| 11AN0340A | Soil                             | 0.4   | 26.0  | 1.0   | 8     | <0.1  | 8.2   | 3.0   | 798   | 0.40  | <0.5  | 1.7   | 2.4   | 0.2   | 115   | 0.2   | 0.5   | <0.1  | 9     | 4.29  | 0.090 |
| 11AN0341A | Soil                             | 0.5   | 25.2  | 1.7   | 9     | 0.1   | 7.8   | 3.1   | 884   | 0.41  | <0.5  | 1.8   | 2.3   | 0.2   | 113   | 0.2   | 0.6   | <0.1  | 9     | 4.26  | 0.087 |
| 11AN0342A | Soil                             | 1.1   | 13.8  | 6.6   | 52    | 0.3   | 7.4   | 4.2   | 312   | 1.57  | 2.0   | 0.5   | 0.6   | 1.4   | 56    | 0.5   | 0.2   | 0.1   | 41    | 0.47  | 0.098 |
| 11AN0343A | Soil                             | 0.8   | 22.4  | 8.8   | 62    | 0.5   | 20.7  | 8.7   | 800   | 2.28  | 4.3   | 0.8   | 1.1   | 1.7   | 107   | 0.6   | 0.3   | 0.2   | 53    | 1.13  | 0.110 |
| 11AN0344A | Soil                             | 1.0   | 10.0  | 7.7   | 42    | <0.1  | 10.2  | 5.7   | 238   | 2.16  | 4.9   | 0.3   | 1.5   | 0.9   | 42    | 0.2   | 0.3   | 0.2   | 59    | 0.24  | 0.064 |
| 11AN0345A | Soil                             | 0.9   | 9.9   | 6.1   | 37    | <0.1  | 7.9   | 3.5   | 249   | 1.30  | 3.2   | 0.2   | 0.9   | 0.4   | 32    | 0.3   | 0.3   | 0.2   | 37    | 0.27  | 0.064 |
| 11AN0346A | Soil                             | 0.8   | 38.6  | 7.7   | 27    | 0.2   | 12.7  | 4.0   | 121   | 1.26  | 1.9   | 1.2   | 1.4   | 0.1   | 44    | 0.4   | 0.2   | 0.1   | 24    | 0.32  | 0.084 |
| 11AN0347A | Soil                             | 1.1   | 12.6  | 7.0   | 46    | 0.3   | 10.6  | 12.4  | 1146  | 1.35  | 2.4   | 0.3   | <0.5  | 0.4   | 40    | 0.5   | 0.3   | 0.1   | 32    | 0.39  | 0.112 |
| 11AN0348A | Soil                             | 0.4   | 9.8   | 4.5   | 24    | 0.1   | 3.2   | 1.4   | 73    | 0.69  | 0.8   | 0.2   | 3.0   | <0.1  | 15    | 0.5   | 0.1   | 0.1   | 23    | 0.10  | 0.051 |
| 11AN0349A | Soil                             | 0.5   | 12.6  | 6.2   | 30    | <0.1  | 6.3   | 3.1   | 139   | 1.31  | 2.4   | 0.3   | 1.5   | 0.1   | 36    | 0.2   | 0.2   | 0.1   | 41    | 0.20  | 0.040 |
| 11AN0350A | Soil                             | 0.6   | 23.7  | 7.1   | 26    | 0.3   | 8.8   | 4.0   | 114   | 1.29  | 1.4   | 0.6   | 0.9   | <0.1  | 38    | 0.6   | 0.2   | <0.1  | 28    | 0.28  | 0.100 |
| 11CB1135A | Soil                             | 1.2   | 13.3  | 5.8   | 17    | 0.4   | 5.9   | 2.0   | 34    | 0.81  | 2.2   | 0.4   | 8.0   | 0.1   | 15    | 0.5   | 0.2   | 0.3   | 18    | 0.11  | 0.125 |



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**Project:** Mariposa  
**Report Date:** February 03, 2012

**Page:** 6 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001434A.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|           |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|           |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11AN0338A | Soil                             | 12    | 20    | 0.51  | 277   | 0.065 | 2     | 1.32  | 0.019 | 0.07  | 0.2   | 0.07  | 3.1   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0339A | Soil                             | 13    | 18    | 0.49  | 469   | 0.040 | 3     | 1.21  | 0.017 | 0.07  | 0.1   | 0.10  | 2.7   | <0.1  | 0.07  | 4     | 0.7   | <0.2  |
| 11AN0340A | Soil                             | 7     | 6     | 0.20  | 1313  | 0.007 | 8     | 0.40  | 0.014 | 0.02  | <0.1  | 0.12  | 0.9   | <0.1  | 0.16  | <1    | 1.1   | <0.2  |
| 11AN0341A | Soil                             | 7     | 6     | 0.20  | 1319  | 0.008 | 8     | 0.42  | 0.014 | 0.02  | <0.1  | 0.12  | 0.9   | <0.1  | 0.16  | <1    | 1.1   | <0.2  |
| 11AN0342A | Soil                             | 9     | 14    | 0.28  | 439   | 0.068 | <1    | 1.07  | 0.017 | 0.14  | <0.1  | <0.01 | 2.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0343A | Soil                             | 15    | 27    | 0.46  | 552   | 0.065 | 2     | 1.68  | 0.017 | 0.08  | <0.1  | 0.02  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0344A | Soil                             | 7     | 17    | 0.35  | 181   | 0.072 | <1    | 1.31  | 0.012 | 0.06  | 0.1   | 0.04  | 1.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0345A | Soil                             | 6     | 14    | 0.18  | 215   | 0.046 | <1    | 0.79  | 0.012 | 0.06  | 0.1   | 0.06  | 1.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0346A | Soil                             | 11    | 15    | 0.19  | 302   | 0.030 | <1    | 1.03  | 0.014 | 0.06  | <0.1  | 0.11  | 1.6   | <0.1  | <0.05 | 4     | 0.6   | <0.2  |
| 11AN0347A | Soil                             | 7     | 14    | 0.21  | 544   | 0.037 | <1    | 0.76  | 0.015 | 0.14  | <0.1  | 0.06  | 1.4   | <0.1  | <0.05 | 3     | 0.5   | <0.2  |
| 11AN0348A | Soil                             | 5     | 10    | 0.07  | 150   | 0.029 | <1    | 0.47  | 0.013 | 0.06  | <0.1  | 0.03  | 0.7   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0349A | Soil                             | 6     | 13    | 0.20  | 162   | 0.044 | <1    | 0.90  | 0.013 | 0.05  | <0.1  | 0.03  | 1.1   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11AN0350A | Soil                             | 10    | 11    | 0.17  | 247   | 0.013 | <1    | 0.87  | 0.012 | 0.07  | <0.1  | 0.06  | 0.5   | <0.1  | <0.05 | 3     | 0.8   | <0.2  |
| 11CB1135A | Soil                             | 5     | 11    | 0.06  | 120   | 0.008 | 2     | 0.55  | 0.015 | 0.06  | <0.1  | 0.13  | 0.4   | <0.1  | 0.11  | 2     | 0.7   | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: January 19, 2012

Report Date: February 03, 2012

Page: 1 of 6

## CERTIFICATE OF ANALYSIS

WHI11001434B.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS39  
P.O. Number  
Number of Samples: 134

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| 1F02        | 134               | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | In Progress   | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: February 03, 2012

Page: 2 of 6 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11JM0672A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11JM0673A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11JM0674A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11JM0675A | Soil                             | 1.31        | 16.67       | 4.80        | 80.7       | 43       | 16.9       | 9.2        | 893      | 2.12      | 2.2        | 0.7        | 3.1        | 0.8        | 342.1      | 0.29        | 0.49        | 0.27        | 39       | 2.90      |
| 11JM0676A | Soil                             | 1.23        | 17.74       | 4.26        | 58.3       | 73       | 18.3       | 8.8        | 1318     | 1.87      | 2.6        | 0.6        | 4.5        | 0.7        | 364.1      | 0.26        | 0.38        | 0.10        | 41       | 2.73      |
| 11JM0677A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11CB1073A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11CB1074A | Soil                             | 1.02        | 14.77       | 5.87        | 25.2       | 481      | 8.8        | 3.2        | 695      | 0.91      | 1.4        | 0.2        | 1.2        | 0.4        | 30.4       | 0.86        | 0.24        | 0.23        | 25       | 0.59      |
| 11CB1075A | Soil                             | 0.71        | 15.52       | 3.51        | 271.7      | 194      | 7.7        | 2.9        | 7391     | 0.52      | 1.2        | 0.2        | 0.9        | 0.2        | 185.6      | 0.77        | 0.17        | 0.08        | 15       | 5.93      |
| 11CB1076A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11CB1077A | Soil                             | 0.55        | 20.59       | 7.70        | 66.8       | 237      | 6.9        | 2.9        | 999      | 1.03      | 1.1        | 0.6        | 0.9        | 0.6        | 39.5       | 0.48        | 0.14        | 0.14        | 19       | 0.65      |
| 11CB1078A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11CB1079A | Soil                             | 0.90        | 36.77       | 6.94        | 133.1      | 446      | 14.5       | 5.7        | 2277     | 1.02      | 0.9        | 1.0        | 2.1        | <0.1       | 83.1       | 1.40        | 0.26        | 0.11        | 11       | 1.54      |
| 11CB1080A | Soil                             | 0.72        | 13.40       | 5.20        | 51.0       | 205      | 10.0       | 10.4       | 667      | 1.95      | 2.7        | 1.3        | 2.2        | 0.2        | 69.7       | 0.41        | 0.33        | 0.16        | 32       | 0.99      |
| 11CB1081A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11CB1082A | Soil                             | 0.67        | 31.69       | 6.05        | 46.4       | 231      | 14.2       | 6.8        | 312      | 1.59      | 2.5        | 1.6        | 1.6        | 0.1        | 68.5       | 0.56        | 0.32        | 0.14        | 25       | 1.12      |
| 11CB1083A | Soil                             | 0.56        | 35.42       | 5.15        | 43.9       | 238      | 16.8       | 7.8        | 326      | 1.64      | 2.5        | 1.8        | 2.2        | 0.1        | 74.0       | 0.47        | 0.35        | 0.12        | 25       | 1.34      |
| 11CB1084A | Soil                             | 0.67        | 33.45       | 7.56        | 58.4       | 243      | 16.8       | 8.2        | 335      | 2.29      | 3.9        | 1.8        | 2.3        | 0.4        | 66.3       | 0.43        | 0.37        | 0.17        | 42       | 1.09      |
| 11CB1085A | Soil                             | 0.76        | 15.16       | 5.36        | 60.9       | 90       | 16.8       | 7.1        | 311      | 1.79      | 5.1        | 0.5        | 1.8        | 1.9        | 54.5       | 0.54        | 0.45        | 0.12        | 37       | 0.93      |
| 11CB1086A | Soil                             | 0.78        | 18.63       | 3.82        | 64.1       | 522      | 9.7        | 2.9        | 534      | 0.61      | 1.3        | 0.2        | 1.4        | <0.1       | 30.0       | 0.96        | 0.49        | 0.12        | 13       | 0.40      |
| 11CB1087A | Soil                             | 1.00        | 16.79       | 5.16        | 80.9       | 323      | 8.4        | 3.1        | 1390     | 0.72      | 1.8        | 0.2        | 1.4        | <0.1       | 38.6       | 0.87        | 0.39        | 0.13        | 17       | 0.79      |
| 11CB1088A | Soil                             | 1.19        | 44.25       | 9.64        | 127.0      | 1187     | 23.1       | 7.0        | 1751     | 1.70      | 3.0        | 1.1        | 1.0        | 0.6        | 66.0       | 1.75        | 0.37        | 0.19        | 29       | 0.92      |
| 11CB1089A | Soil                             | 0.97        | 46.56       | 6.41        | 143.1      | 1246     | 17.9       | 4.3        | 1182     | 1.02      | 2.0        | 1.3        | 1.1        | <0.1       | 70.2       | 1.66        | 0.25        | 0.14        | 16       | 1.43      |
| 11CB1090A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11CB1091A | Soil                             | 0.92        | 16.31       | 3.48        | 45.9       | 450      | 7.0        | 2.2        | 98       | 0.58      | 1.3        | 0.2        | 3.0        | <0.1       | 17.8       | 0.34        | 0.22        | 0.09        | 15       | 0.16      |
| 11CB1092A | Soil                             | 0.98        | 16.92       | 6.45        | 50.9       | 213      | 13.6       | 5.2        | 178      | 1.84      | 3.9        | 0.5        | 1.4        | 0.3        | 33.6       | 0.63        | 0.29        | 0.13        | 41       | 0.34      |
| 11CB1093A | Soil                             | 0.87        | 13.69       | 5.03        | 33.0       | 288      | 8.1        | 3.6        | 184      | 1.43      | 2.6        | 0.5        | 1.8        | 0.4        | 20.9       | 0.28        | 0.24        | 0.26        | 32       | 0.19      |
| 11CB1094A | Soil                             | 0.61        | 25.46       | 3.98        | 28.0       | 272      | 8.3        | 3.1        | 136      | 0.88      | 1.8        | 0.6        | 2.3        | <0.1       | 30.4       | 0.33        | 0.25        | 0.19        | 17       | 0.38      |
| 11CB1095A | Soil                             | 0.70        | 16.84       | 2.64        | 25.6       | 295      | 8.8        | 2.5        | 86       | 1.06      | 2.3        | 1.4        | 2.7        | 0.3        | 48.6       | 0.28        | 0.26        | 0.11        | 7        | 0.75      |
| 11CB1096A | Soil                             | 0.59        | 16.55       | 3.45        | 72.1       | 290      | 9.2        | 3.6        | 728      | 1.45      | 2.9        | 1.5        | 5.9        | 1.2        | 53.7       | 0.33        | 0.25        | 0.15        | 16       | 1.14      |





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**Project:** Mariposa  
**Report Date:** February 03, 2012

**Page:** 2 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11JM0672A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11JM0673A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11JM0674A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11JM0675A | Soil                             | 8.5  | 21.0 | 0.66 | 846.4 | 0.030 | 6    | 1.02 | 0.015 | 0.07 | <0.1 | 4.4  | 0.10 | 0.12  | 80   | 0.5  | 0.02  |
| 11JM0676A | Soil                             | 8.7  | 19.4 | 0.69 | 883.3 | 0.023 | 5    | 1.10 | 0.015 | 0.05 | <0.1 | 3.6  | 0.08 | 0.12  | 70   | 0.5  | 0.02  |
| 11JM0677A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB1073A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB1074A | Soil                             | 5.2  | 10.5 | 0.18 | 782.4 | 0.029 | 3    | 0.58 | 0.015 | 0.10 | 0.1  | 1.2  | 0.08 | 0.06  | 108  | 0.2  | 0.05  |
| 11CB1075A | Soil                             | 2.4  | 6.0  | 0.16 | 1346  | 0.019 | 4    | 0.30 | 0.018 | 0.10 | <0.1 | 1.1  | 0.04 | 0.04  | 17   | 0.3  | 0.02  |
| 11CB1076A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB1077A | Soil                             | 10.6 | 10.0 | 0.12 | 596.6 | 0.012 | <1   | 0.90 | 0.019 | 0.17 | <0.1 | 2.3  | 0.06 | <0.02 | 20   | <0.1 | <0.02 |
| 11CB1078A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB1079A | Soil                             | 12.6 | 7.1  | 0.17 | 831.7 | 0.008 | 3    | 0.71 | 0.016 | 0.09 | <0.1 | 0.5  | 0.05 | 0.08  | 124  | 0.5  | <0.02 |
| 11CB1080A | Soil                             | 17.3 | 12.8 | 0.36 | 579.7 | 0.039 | 3    | 1.40 | 0.011 | 0.10 | 0.1  | 4.1  | 0.10 | 0.09  | 114  | 0.4  | <0.02 |
| 11CB1081A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB1082A | Soil                             | 17.0 | 13.4 | 0.30 | 544.9 | 0.028 | 2    | 1.12 | 0.014 | 0.05 | <0.1 | 2.4  | 0.09 | 0.09  | 116  | 0.5  | <0.02 |
| 11CB1083A | Soil                             | 20.8 | 14.3 | 0.30 | 595.3 | 0.026 | 3    | 1.20 | 0.015 | 0.05 | <0.1 | 2.5  | 0.08 | 0.09  | 117  | 0.4  | <0.02 |
| 11CB1084A | Soil                             | 18.7 | 21.0 | 0.45 | 543.2 | 0.047 | 2    | 1.65 | 0.014 | 0.07 | 0.1  | 4.2  | 0.10 | 0.07  | 88   | 0.5  | 0.05  |
| 11CB1085A | Soil                             | 8.4  | 22.5 | 0.49 | 236.6 | 0.064 | 3    | 1.14 | 0.026 | 0.06 | 0.2  | 2.6  | 0.08 | 0.05  | 45   | 0.3  | <0.02 |
| 11CB1086A | Soil                             | 2.8  | 8.2  | 0.12 | 309.8 | 0.003 | 1    | 0.59 | 0.018 | 0.08 | <0.1 | 0.2  | 0.05 | 0.06  | 94   | 0.4  | <0.02 |
| 11CB1087A | Soil                             | 3.4  | 8.6  | 0.13 | 295.2 | 0.009 | 2    | 0.47 | 0.016 | 0.07 | <0.1 | 0.2  | 0.06 | 0.05  | 88   | 0.3  | <0.02 |
| 11CB1088A | Soil                             | 26.5 | 16.0 | 0.20 | 856.3 | 0.042 | 2    | 1.17 | 0.022 | 0.14 | <0.1 | 2.9  | 0.05 | 0.04  | 29   | 0.3  | 0.04  |
| 11CB1089A | Soil                             | 31.6 | 11.5 | 0.18 | 566.9 | 0.009 | 3    | 0.78 | 0.021 | 0.08 | <0.1 | 0.6  | 0.05 | 0.05  | 73   | 0.3  | <0.02 |
| 11CB1090A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11CB1091A | Soil                             | 3.5  | 7.3  | 0.07 | 208.2 | 0.006 | 1    | 0.42 | 0.014 | 0.05 | <0.1 | 0.2  | 0.03 | 0.06  | 85   | 0.2  | 0.02  |
| 11CB1092A | Soil                             | 8.4  | 17.2 | 0.32 | 319.3 | 0.050 | <1   | 1.22 | 0.010 | 0.09 | 0.1  | 1.9  | 0.06 | 0.05  | 82   | 0.3  | 0.02  |
| 11CB1093A | Soil                             | 7.7  | 14.7 | 0.24 | 211.1 | 0.059 | <1   | 0.93 | 0.009 | 0.08 | 0.1  | 1.9  | 0.06 | 0.04  | 67   | 0.3  | 0.03  |
| 11CB1094A | Soil                             | 16.7 | 12.5 | 0.13 | 366.8 | 0.015 | 2    | 0.63 | 0.016 | 0.07 | <0.1 | 0.5  | 0.08 | 0.06  | 76   | 0.2  | 0.04  |
| 11CB1095A | Soil                             | 47.2 | 9.5  | 0.12 | 481.4 | 0.021 | 2    | 0.74 | 0.011 | 0.05 | <0.1 | 2.2  | 0.06 | 0.14  | 113  | 0.4  | <0.02 |
| 11CB1096A | Soil                             | 46.5 | 14.2 | 0.20 | 508.8 | 0.044 | 2    | 1.21 | 0.011 | 0.07 | <0.1 | 4.1  | 0.09 | 0.12  | 92   | 0.3  | <0.02 |



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Report Date: February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11CB1097A | Soil                             | 0.66        | 16.10       | 3.95        | 39.1       | 266      | 9.8        | 4.1        | 134      | 1.75      | 3.2        | 1.4        | 3.3        | 1.5        | 36.9       | 0.21        | 0.25        | 0.17        | 24       | 0.58      |
| 11CB1098A | Soil                             | 0.62        | 16.46       | 3.90        | 37.9       | 267      | 10.6       | 4.4        | 125      | 1.84      | 3.7        | 1.5        | 2.8        | 1.6        | 34.4       | 0.18        | 0.23        | 0.17        | 23       | 0.50      |
| 11CB1099A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0251A | Soil                             | 0.71        | 28.85       | 6.19        | 20.3       | 251      | 7.1        | 2.3        | 52       | 1.02      | 1.7        | 0.7        | 1.6        | <0.1       | 17.6       | 0.68        | 0.20        | 0.15        | 22       | 0.12      |
| 11AN0252A | Soil                             | 0.89        | 27.45       | 10.12       | 34.2       | 462      | 7.2        | 3.0        | 91       | 1.07      | 2.0        | 0.8        | 0.9        | <0.1       | 29.5       | 0.81        | 0.25        | 0.13        | 22       | 0.23      |
| 11AN0253A | Soil                             | 0.82        | 19.55       | 6.40        | 19.5       | 478      | 6.3        | 1.8        | 70       | 0.75      | 1.8        | 0.7        | 1.5        | <0.1       | 22.9       | 0.75        | 0.24        | 0.13        | 16       | 0.15      |
| 11AN0254A | Soil                             | 0.69        | 19.61       | 8.29        | 29.9       | 224      | 8.9        | 3.2        | 77       | 1.34      | 2.3        | 0.8        | 1.1        | <0.1       | 22.6       | 0.62        | 0.21        | 0.14        | 26       | 0.16      |
| 11AN0255A | Soil                             | 0.73        | 22.27       | 7.59        | 22.0       | 371      | 6.8        | 1.9        | 86       | 0.98      | 1.5        | 1.1        | 1.5        | <0.1       | 22.9       | 0.62        | 0.21        | 0.15        | 14       | 0.19      |
| 11AN0256A | Soil                             | 1.01        | 29.18       | 7.97        | 37.9       | 674      | 9.3        | 3.8        | 152      | 1.07      | 2.3        | 0.9        | 1.2        | <0.1       | 30.4       | 1.26        | 0.25        | 0.14        | 21       | 0.32      |
| 11AN0257A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0258A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0259A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0260A | Soil                             | 0.88        | 30.71       | 6.03        | 28.0       | 314      | 10.0       | 3.0        | 123      | 0.96      | 1.0        | 2.1        | 2.7        | 0.2        | 42.4       | 0.36        | 0.27        | 0.21        | 10       | 0.41      |
| 11AN0261A | Soil                             | 0.87        | 37.58       | 8.12        | 26.1       | 320      | 11.1       | 3.2        | 94       | 1.22      | 1.5        | 2.7        | 1.9        | 0.2        | 39.9       | 0.42        | 0.25        | 0.17        | 12       | 0.36      |
| 11AN0262A | Soil                             | 0.74        | 17.21       | 7.32        | 44.8       | 104      | 13.1       | 7.9        | 886      | 2.38      | 4.3        | 0.5        | 0.9        | 1.2        | 24.9       | 0.23        | 0.36        | 0.13        | 57       | 0.27      |
| 11AN0263A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0264A | Soil                             | 0.63        | 10.22       | 5.22        | 108.5      | 117      | 9.6        | 8.3        | 627      | 1.84      | 2.0        | 0.2        | 2.5        | 0.7        | 89.8       | 0.91        | 0.31        | 0.14        | 45       | 1.09      |
| 11AN0265A | Soil                             | 0.77        | 21.41       | 6.95        | 22.8       | 228      | 8.0        | 2.5        | 91       | 1.24      | 2.5        | 0.3        | 0.6        | <0.1       | 20.4       | 0.31        | 0.23        | 0.17        | 31       | 0.12      |
| 11AN0266A | Soil                             | 0.82        | 17.14       | 3.83        | 21.5       | 303      | 9.3        | 3.4        | 67       | 0.90      | 2.1        | 0.2        | 0.8        | <0.1       | 30.8       | 0.49        | 0.25        | 0.12        | 17       | 0.15      |
| 11AN0267A | Soil                             | 0.81        | 21.01       | 5.17        | 29.3       | 123      | 10.4       | 3.9        | 106      | 1.65      | 3.6        | 0.8        | 1.9        | <0.1       | 40.9       | 0.21        | 0.27        | 0.15        | 36       | 0.26      |
| 11AN0268A | Soil                             | 0.68        | 12.32       | 5.75        | 20.4       | 41       | 4.9        | 2.3        | 79       | 1.30      | 2.2        | 0.5        | 1.6        | <0.1       | 22.8       | 0.11        | 0.21        | 0.14        | 35       | 0.12      |
| 11AN0269A | Soil                             | 0.88        | 11.74       | 4.86        | 30.4       | 144      | 7.5        | 3.6        | 127      | 1.60      | 2.5        | 0.5        | 2.0        | <0.1       | 35.6       | 0.12        | 0.20        | 0.13        | 36       | 0.26      |
| 11AN0270A | Soil                             | 1.36        | 14.12       | 6.45        | 60.3       | 147      | 15.5       | 14.0       | 1060     | 2.33      | 4.6        | 1.6        | 2.9        | 2.0        | 87.6       | 0.23        | 0.34        | 0.12        | 46       | 1.08      |
| 11AN0271A | Soil                             | 1.22        | 32.21       | 4.60        | 37.8       | 102      | 17.5       | 6.0        | 144      | 1.35      | 3.3        | 0.5        | 0.9        | 0.2        | 50.3       | 1.08        | 0.44        | 0.12        | 29       | 0.67      |
| 11AN0272A | Soil                             | 0.73        | 21.84       | 5.44        | 72.2       | 63       | 19.7       | 8.0        | 413      | 2.11      | 6.7        | 0.5        | 2.0        | 2.4        | 56.2       | 0.52        | 0.52        | 0.11        | 50       | 0.97      |
| 11AN0273A | Soil                             | 0.78        | 16.97       | 6.25        | 24.5       | 211      | 6.9        | 3.7        | 89       | 1.57      | 2.8        | 0.4        | 2.5        | 0.1        | 14.6       | 0.15        | 0.21        | 0.16        | 42       | 0.14      |
| 11AN0274A | Soil                             | 0.95        | 11.93       | 1.32        | 60.8       | 144      | 4.5        | 2.9        | 1079     | 0.45      | 0.9        | 0.3        | 3.5        | 0.2        | 106.3      | 0.47        | 0.24        | 0.07        | 7        | 3.35      |
| 11AN0275A | Soil                             | 2.93        | 21.40       | 1.77        | 39.4       | 202      | 9.8        | 5.9        | 2530     | 0.75      | 12.5       | 0.5        | 4.0        | 0.1        | 111.6      | 0.39        | 0.51        | 0.06        | 11       | 3.14      |
| 11AN0276A | Soil                             | 2.02        | 17.76       | 7.75        | 68.5       | 158      | 12.9       | 10.8       | 524      | 2.62      | 18.4       | 0.6        | 5.8        | 1.7        | 51.4       | 0.07        | 0.40        | 0.11        | 71       | 1.03      |
| 11AN0277A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |



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**Project:** Mariposa  
**Report Date:** February 03, 2012

**Page:** 3 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11CB1097A | Soil                             | 42.0 | 16.5 | 0.28 | 451.0 | 0.063 | 1    | 1.40 | 0.010 | 0.10 | 0.1  | 4.9  | 0.11 | 0.11 | 91   | 0.4  | 0.03  |
| 11CB1098A | Soil                             | 46.5 | 17.2 | 0.28 | 448.1 | 0.064 | 1    | 1.51 | 0.011 | 0.09 | 0.1  | 4.9  | 0.12 | 0.10 | 78   | 0.3  | 0.02  |
| 11CB1099A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11AN0251A | Soil                             | 11.3 | 12.6 | 0.13 | 194.5 | 0.015 | <1   | 0.77 | 0.011 | 0.06 | <0.1 | 0.3  | 0.06 | 0.04 | 54   | 0.2  | 0.02  |
| 11AN0252A | Soil                             | 7.8  | 11.5 | 0.16 | 169.3 | 0.028 | 1    | 0.75 | 0.012 | 0.08 | <0.1 | 0.6  | 0.07 | 0.04 | 64   | 0.3  | 0.02  |
| 11AN0253A | Soil                             | 12.5 | 10.1 | 0.08 | 223.3 | 0.010 | <1   | 0.52 | 0.012 | 0.05 | <0.1 | 0.3  | 0.06 | 0.06 | 74   | 0.2  | <0.02 |
| 11AN0254A | Soil                             | 9.5  | 14.8 | 0.20 | 196.6 | 0.011 | <1   | 0.92 | 0.010 | 0.08 | <0.1 | 0.3  | 0.07 | 0.04 | 55   | 0.2  | 0.02  |
| 11AN0255A | Soil                             | 12.0 | 12.8 | 0.08 | 222.1 | 0.004 | <1   | 0.70 | 0.016 | 0.04 | <0.1 | 0.2  | 0.06 | 0.05 | 65   | 0.3  | 0.02  |
| 11AN0256A | Soil                             | 20.8 | 11.9 | 0.14 | 249.5 | 0.010 | <1   | 0.72 | 0.012 | 0.06 | <0.1 | 0.4  | 0.07 | 0.05 | 90   | 0.3  | 0.03  |
| 11AN0257A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11AN0258A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11AN0259A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11AN0260A | Soil                             | 22.7 | 9.1  | 0.08 | 248.6 | 0.010 | 2    | 0.54 | 0.015 | 0.04 | <0.1 | 0.8  | 0.02 | 0.11 | 111  | 0.4  | 0.03  |
| 11AN0261A | Soil                             | 28.4 | 10.7 | 0.09 | 260.5 | 0.007 | 2    | 0.70 | 0.014 | 0.04 | 0.2  | 0.7  | 0.02 | 0.10 | 94   | 0.3  | <0.02 |
| 11AN0262A | Soil                             | 11.9 | 19.1 | 0.37 | 413.6 | 0.037 | <1   | 1.52 | 0.014 | 0.06 | <0.1 | 2.8  | 0.07 | 0.02 | 52   | 0.3  | <0.02 |
| 11AN0263A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |
| 11AN0264A | Soil                             | 3.7  | 13.8 | 0.44 | 549.7 | 0.071 | 2    | 1.01 | 0.018 | 0.07 | <0.1 | 1.7  | 0.06 | 0.06 | 87   | 0.1  | <0.02 |
| 11AN0265A | Soil                             | 6.4  | 13.4 | 0.12 | 180.4 | 0.020 | 2    | 0.81 | 0.013 | 0.04 | <0.1 | 0.5  | 0.07 | 0.03 | 49   | 0.2  | 0.03  |
| 11AN0266A | Soil                             | 4.7  | 9.5  | 0.10 | 260.5 | 0.004 | 2    | 0.69 | 0.014 | 0.04 | <0.1 | 0.3  | 0.02 | 0.05 | 101  | 0.2  | 0.03  |
| 11AN0267A | Soil                             | 9.7  | 17.3 | 0.26 | 305.8 | 0.018 | 2    | 1.40 | 0.013 | 0.05 | <0.1 | 0.8  | 0.06 | 0.06 | 73   | 0.2  | <0.02 |
| 11AN0268A | Soil                             | 5.6  | 14.6 | 0.15 | 134.2 | 0.015 | 1    | 0.87 | 0.013 | 0.03 | <0.1 | 0.4  | 0.04 | 0.04 | 43   | 0.1  | 0.03  |
| 11AN0269A | Soil                             | 6.4  | 15.7 | 0.25 | 189.8 | 0.020 | <1   | 1.12 | 0.014 | 0.05 | <0.1 | 0.8  | 0.07 | 0.05 | 60   | 0.2  | 0.02  |
| 11AN0270A | Soil                             | 24.1 | 22.5 | 0.47 | 392.1 | 0.043 | 3    | 1.57 | 0.019 | 0.06 | 0.1  | 3.5  | 0.08 | 0.10 | 68   | 0.3  | 0.03  |
| 11AN0271A | Soil                             | 9.1  | 16.0 | 0.30 | 303.6 | 0.034 | 2    | 0.83 | 0.022 | 0.05 | 0.1  | 1.5  | 0.04 | 0.06 | 67   | 0.4  | 0.03  |
| 11AN0272A | Soil                             | 10.2 | 24.1 | 0.54 | 246.3 | 0.080 | 3    | 1.32 | 0.034 | 0.10 | 0.2  | 3.3  | 0.08 | 0.04 | 48   | 0.3  | <0.02 |
| 11AN0273A | Soil                             | 7.8  | 16.1 | 0.21 | 136.1 | 0.020 | <1   | 1.05 | 0.011 | 0.06 | <0.1 | 0.8  | 0.08 | 0.03 | 44   | <0.1 | <0.02 |
| 11AN0274A | Soil                             | 10.0 | 5.2  | 0.20 | 517.3 | 0.010 | 7    | 0.46 | 0.018 | 0.04 | <0.1 | 1.0  | 0.05 | 0.16 | 126  | 0.5  | <0.02 |
| 11AN0275A | Soil                             | 6.0  | 7.0  | 0.21 | 605.1 | 0.010 | 6    | 0.49 | 0.020 | 0.03 | <0.1 | 0.8  | 0.06 | 0.21 | 80   | 0.4  | 0.02  |
| 11AN0276A | Soil                             | 8.6  | 25.5 | 0.76 | 304.6 | 0.107 | 2    | 1.71 | 0.018 | 0.07 | 0.1  | 3.6  | 0.13 | 0.07 | 50   | 0.1  | 0.06  |
| 11AN0277A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  |



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**Project:** Mariposa  
**Report Date:** February 03, 2012

**Page:** 4 of 6 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11AN0278A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0279A | Soil                             | 1.54        | 20.67       | 9.95        | 57.4       | 401      | 10.5       | 8.2        | 328      | 2.54      | 3.7        | 0.7        | 4.5        | 1.7        | 22.6       | 0.13        | 0.20        | 0.10        | 62       | 0.25      |
| 11AN0280A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0281A | Soil                             | 1.18        | 16.77       | 5.31        | 21.8       | 281      | 5.1        | 2.3        | 93       | 0.97      | 1.6        | 0.4        | 1.2        | 0.2        | 20.1       | 0.06        | 0.19        | 0.11        | 25       | 0.20      |
| 11AN0282A | Soil                             | 1.35        | 17.59       | 6.62        | 33.5       | 512      | 8.6        | 4.5        | 126      | 1.76      | 2.4        | 0.7        | 2.8        | 0.8        | 31.3       | 0.09        | 0.18        | 0.10        | 42       | 0.29      |
| 11AN0283A | Soil                             | 1.23        | 23.07       | 6.97        | 62.1       | 315      | 13.0       | 9.3        | 239      | 2.65      | 3.0        | 0.7        | 1.9        | 1.4        | 34.2       | 0.12        | 0.18        | 0.10        | 66       | 0.37      |
| 11AN0284A | Soil                             | 0.84        | 19.87       | 5.04        | 34.5       | 204      | 9.1        | 5.5        | 138      | 1.92      | 2.8        | 0.7        | 2.0        | 0.9        | 32.3       | 0.06        | 0.29        | 0.10        | 40       | 0.35      |
| 11AN0285A | Soil                             | 1.08        | 19.67       | 7.59        | 63.4       | 162      | 15.0       | 9.5        | 236      | 2.55      | 4.3        | 0.6        | 2.1        | 2.0        | 29.5       | 0.15        | 0.27        | 0.09        | 58       | 0.32      |
| 11AN0286A | Soil                             | 0.82        | 16.68       | 3.54        | 22.2       | 145      | 6.8        | 4.2        | 100      | 1.31      | 1.8        | 0.6        | 2.4        | 0.2        | 37.7       | 0.15        | 0.27        | 0.09        | 17       | 0.38      |
| 11AN0287A | Soil                             | 0.82        | 13.30       | 2.81        | 27.9       | 249      | 7.6        | 4.8        | 91       | 1.31      | 2.0        | 0.6        | 1.9        | 0.2        | 26.6       | 0.10        | 0.19        | 0.07        | 23       | 0.29      |
| 11AN0288A | Soil                             | 0.80        | 10.86       | 5.92        | 45.9       | 110      | 9.5        | 6.1        | 172      | 2.03      | 4.3        | 0.4        | 3.4        | 1.3        | 21.4       | 0.08        | 0.23        | 0.09        | 56       | 0.26      |
| 11AN0289A | Soil                             | 1.02        | 21.46       | 7.10        | 48.4       | 223      | 11.6       | 7.3        | 166      | 2.24      | 4.3        | 0.6        | 2.0        | 0.7        | 24.7       | 0.13        | 0.22        | 0.12        | 55       | 0.29      |
| 11AN0290A | Soil                             | 0.76        | 13.98       | 5.62        | 50.7       | 100      | 11.5       | 8.5        | 209      | 2.45      | 3.9        | 0.4        | 1.5        | 1.4        | 17.6       | 0.12        | 0.19        | 0.08        | 67       | 0.25      |
| 11AN0291A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0292A | Soil                             | 1.74        | 35.07       | 5.17        | 44.3       | 435      | 11.4       | 14.9       | 1346     | 1.54      | 3.3        | 1.4        | 4.3        | 0.3        | 103.7      | 0.45        | 0.44        | 0.96        | 30       | 2.18      |
| 11AN0293A | Soil                             | 1.18        | 33.05       | 7.42        | 54.9       | 443      | 14.4       | 11.7       | 381      | 2.27      | 4.7        | 1.3        | 3.7        | 1.4        | 44.2       | 0.30        | 0.34        | 0.13        | 48       | 0.82      |
| 11AN0294A | Soil                             | 0.83        | 28.34       | 9.87        | 51.9       | 409      | 8.9        | 6.5        | 174      | 1.97      | 2.8        | 0.8        | 2.1        | 1.3        | 18.2       | 0.37        | 0.18        | 0.10        | 47       | 0.21      |
| 11AN0295A | Soil                             | 1.35        | 24.11       | 9.40        | 48.7       | 397      | 12.0       | 6.1        | 161      | 1.87      | 4.5        | 0.5        | 2.3        | 0.6        | 21.1       | 0.64        | 0.29        | 0.12        | 39       | 0.19      |
| 11AN0296A | Soil                             | 1.08        | 21.26       | 12.25       | 88.2       | 240      | 10.5       | 7.7        | 370      | 2.26      | 4.3        | 0.4        | 2.3        | 1.5        | 29.1       | 1.34        | 0.26        | 0.11        | 51       | 0.54      |
| 11AN0297A | Soil                             | 1.24        | 70.36       | 21.74       | 106.9      | 341      | 18.6       | 16.4       | 817      | 2.55      | 5.0        | 2.1        | 3.8        | 1.3        | 65.6       | 1.84        | 0.37        | 0.16        | 48       | 1.38      |
| 11AN0298A | Soil                             | 1.47        | 53.90       | 12.42       | 75.7       | 3446     | 16.4       | 11.7       | 421      | 2.24      | 5.0        | 2.8        | 12.1       | 0.6        | 72.2       | 1.77        | 0.33        | 0.39        | 32       | 1.02      |
| 11AN0299A | Soil                             | 1.48        | 58.06       | 16.15       | 74.7       | 1656     | 9.6        | 5.3        | 148      | 1.99      | 4.3        | 1.0        | 2.1        | 1.0        | 25.9       | 1.01        | 0.20        | 0.48        | 43       | 0.29      |
| 11AN0300A | Soil                             | 0.39        | 14.58       | 4.80        | 44.2       | 70       | 10.1       | 6.4        | 388      | 1.60      | 3.2        | 0.5        | 1.4        | 1.2        | 61.4       | 0.24        | 0.28        | 0.10        | 30       | 1.73      |
| 11AN0301A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |
| 11AN0302A | Soil                             | 1.04        | 10.16       | 8.27        | 29.6       | 119      | 8.2        | 3.9        | 178      | 1.93      | 4.7        | 0.3        | 1.4        | 1.5        | 32.8       | 0.19        | 0.28        | 0.17        | 57       | 0.24      |
| 11AN0303A | Soil                             | 0.90        | 11.56       | 6.92        | 42.5       | 136      | 8.4        | 5.7        | 260      | 2.33      | 3.7        | 0.3        | 0.4        | 0.2        | 62.8       | 0.18        | 0.22        | 0.09        | 52       | 0.30      |
| 11AN0304A | Soil                             | 1.19        | 10.35       | 8.72        | 45.1       | 173      | 9.9        | 5.4        | 312      | 2.20      | 4.9        | 0.3        | 0.5        | 0.8        | 28.1       | 0.31        | 0.39        | 0.16        | 54       | 0.19      |
| 11AN0305A | Soil                             | 1.05        | 10.34       | 7.54        | 41.1       | 88       | 9.0        | 4.7        | 363      | 1.81      | 4.1        | 0.2        | 0.6        | 0.2        | 29.9       | 0.44        | 0.35        | 0.14        | 46       | 0.28      |
| 11AN0306A | Soil                             | 0.77        | 9.79        | 8.39        | 18.1       | 54       | 5.3        | 2.3        | 85       | 1.29      | 3.8        | 0.3        | 1.3        | 0.6        | 13.3       | 0.11        | 0.24        | 0.18        | 42       | 0.13      |
| 11AN0307A | Soil                             | I.S.        | I.S.        | I.S.        | I.S.       | I.S.     | I.S.       | I.S.       | I.S.     | I.S.      | I.S.       | I.S.       | I.S.       | I.S.       | I.S.       | I.S.        | I.S.        | I.S.        | I.S.     | I.S.      |



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**Project:** Mariposa  
**Report Date:** February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0278A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0279A | Soil                             | 10.4 | 20.7 | 0.54 | 141.4 | 0.100 | 1    | 1.55 | 0.015 | 0.14 | 0.1  | 3.1  | 0.11 | 0.05  | 64   | 0.2  | 0.04  |
| 11AN0280A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0281A | Soil                             | 7.7  | 12.1 | 0.12 | 144.7 | 0.036 | <1   | 0.59 | 0.013 | 0.07 | 0.1  | 1.3  | 0.08 | 0.07  | 77   | <0.1 | 0.04  |
| 11AN0282A | Soil                             | 11.1 | 16.9 | 0.33 | 183.6 | 0.085 | 1    | 1.15 | 0.016 | 0.11 | 0.1  | 2.5  | 0.10 | 0.06  | 59   | 0.2  | <0.02 |
| 11AN0283A | Soil                             | 11.1 | 22.4 | 0.67 | 213.0 | 0.135 | 2    | 1.70 | 0.017 | 0.15 | 0.2  | 3.3  | 0.14 | 0.05  | 39   | 0.2  | 0.05  |
| 11AN0284A | Soil                             | 9.6  | 17.5 | 0.37 | 193.2 | 0.074 | 2    | 1.09 | 0.019 | 0.07 | 0.1  | 2.6  | 0.10 | 0.06  | 85   | 0.3  | 0.04  |
| 11AN0285A | Soil                             | 10.1 | 24.3 | 0.64 | 182.8 | 0.109 | 2    | 1.62 | 0.019 | 0.11 | 0.1  | 3.4  | 0.12 | 0.04  | 39   | 0.3  | <0.02 |
| 11AN0286A | Soil                             | 10.0 | 8.6  | 0.12 | 260.9 | 0.029 | 3    | 0.64 | 0.016 | 0.05 | <0.1 | 2.0  | 0.05 | 0.12  | 94   | <0.1 | <0.02 |
| 11AN0287A | Soil                             | 7.4  | 12.4 | 0.21 | 189.3 | 0.035 | 2    | 0.78 | 0.014 | 0.07 | <0.1 | 1.5  | 0.08 | 0.11  | 75   | 0.2  | 0.03  |
| 11AN0288A | Soil                             | 8.9  | 19.8 | 0.49 | 114.2 | 0.097 | 1    | 1.27 | 0.016 | 0.08 | 0.1  | 2.4  | 0.09 | 0.03  | 34   | <0.1 | <0.02 |
| 11AN0289A | Soil                             | 12.4 | 21.4 | 0.49 | 148.4 | 0.062 | 1    | 1.46 | 0.017 | 0.07 | 0.1  | 3.0  | 0.09 | 0.06  | 43   | 0.2  | 0.03  |
| 11AN0290A | Soil                             | 8.4  | 24.5 | 0.63 | 92.1  | 0.100 | 1    | 1.62 | 0.021 | 0.10 | 0.1  | 3.0  | 0.09 | 0.02  | 28   | <0.1 | <0.02 |
| 11AN0291A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0292A | Soil                             | 15.4 | 13.4 | 0.32 | 442.2 | 0.034 | 6    | 1.17 | 0.020 | 0.07 | 0.1  | 3.1  | 0.06 | 0.15  | 145  | 0.3  | 0.08  |
| 11AN0293A | Soil                             | 16.5 | 21.2 | 0.52 | 343.4 | 0.084 | 2    | 1.62 | 0.015 | 0.10 | 0.2  | 4.5  | 0.09 | 0.04  | 97   | 0.3  | <0.02 |
| 11AN0294A | Soil                             | 10.8 | 18.6 | 0.47 | 238.6 | 0.111 | 2    | 1.46 | 0.012 | 0.10 | 0.1  | 3.8  | 0.12 | 0.03  | 54   | 0.3  | 0.04  |
| 11AN0295A | Soil                             | 8.4  | 16.5 | 0.30 | 182.1 | 0.052 | 2    | 1.07 | 0.011 | 0.08 | 0.1  | 2.2  | 0.05 | 0.03  | 49   | 0.2  | 0.03  |
| 11AN0296A | Soil                             | 7.9  | 16.1 | 0.47 | 136.9 | 0.075 | 2    | 1.41 | 0.015 | 0.08 | 0.2  | 3.5  | 0.06 | 0.03  | 66   | 0.2  | <0.02 |
| 11AN0297A | Soil                             | 38.9 | 19.7 | 0.46 | 343.1 | 0.044 | 2    | 1.86 | 0.013 | 0.07 | 0.1  | 5.6  | 0.08 | 0.06  | 121  | 0.4  | <0.02 |
| 11AN0298A | Soil                             | 32.3 | 18.3 | 0.38 | 1578  | 0.026 | 3    | 1.49 | 0.013 | 0.08 | 0.1  | 5.4  | 0.11 | 0.06  | 157  | 0.3  | 0.07  |
| 11AN0299A | Soil                             | 11.4 | 17.1 | 0.33 | 235.3 | 0.044 | 2    | 1.45 | 0.011 | 0.06 | <0.1 | 2.8  | 0.10 | 0.02  | 55   | 0.2  | 0.09  |
| 11AN0300A | Soil                             | 12.3 | 13.2 | 0.34 | 835.3 | 0.027 | 2    | 0.98 | 0.015 | 0.05 | 0.1  | 2.9  | 0.03 | 0.06  | 54   | 0.2  | <0.02 |
| 11AN0301A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0302A | Soil                             | 7.9  | 16.1 | 0.22 | 263.7 | 0.061 | 1    | 1.09 | 0.011 | 0.07 | <0.1 | 2.1  | 0.06 | <0.02 | 13   | <0.1 | <0.02 |
| 11AN0303A | Soil                             | 6.0  | 13.7 | 0.45 | 206.5 | 0.035 | 2    | 1.75 | 0.013 | 0.07 | <0.1 | 2.6  | 0.05 | 0.03  | 42   | 0.2  | <0.02 |
| 11AN0304A | Soil                             | 7.5  | 18.4 | 0.31 | 209.1 | 0.069 | 3    | 1.08 | 0.011 | 0.07 | 0.2  | 2.0  | 0.09 | 0.02  | 55   | 0.4  | <0.02 |
| 11AN0305A | Soil                             | 5.7  | 15.6 | 0.21 | 188.4 | 0.040 | 2    | 1.00 | 0.010 | 0.06 | <0.1 | 1.2  | 0.05 | 0.02  | 54   | 0.1  | <0.02 |
| 11AN0306A | Soil                             | 8.5  | 14.7 | 0.15 | 111.2 | 0.050 | <1   | 0.80 | 0.008 | 0.04 | <0.1 | 1.3  | 0.06 | <0.02 | 27   | 0.1  | <0.02 |
| 11AN0307A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |



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Project: Mariposa  
Report Date: February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11AN0308A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0309A | Soil                             | 0.53 | 14.43 | 4.64  | 13.6  | 193  | 4.6  | 1.7  | 48   | 0.68 | 1.3  | 0.4  | 1.5  | <0.1 | 22.0 | 0.21 | 0.12 | 0.08 | 19   | 0.16 |
| 11AN0310A | Soil                             | 0.62 | 11.99 | 5.13  | 52.8  | 131  | 5.4  | 4.8  | 337  | 1.76 | 1.9  | 0.4  | 0.4  | 0.3  | 32.7 | 0.24 | 0.14 | 0.09 | 47   | 0.38 |
| 11AN0311A | Soil                             | 0.58 | 14.51 | 5.36  | 64.1  | 141  | 11.3 | 8.9  | 767  | 2.35 | 3.5  | 0.8  | 1.1  | 1.1  | 77.4 | 0.44 | 0.30 | 0.10 | 54   | 0.96 |
| 11AN0312A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0313A | Soil                             | 0.91 | 19.88 | 4.54  | 44.9  | 86   | 14.0 | 7.0  | 498  | 1.37 | 4.4  | 0.4  | 1.8  | 0.8  | 72.9 | 0.37 | 0.40 | 0.09 | 31   | 1.22 |
| 11AN0314A | Soil                             | 1.48 | 12.24 | 7.08  | 47.5  | 366  | 15.4 | 9.7  | 223  | 2.28 | 4.0  | 0.5  | 22.5 | 0.4  | 27.5 | 0.39 | 0.27 | 0.12 | 48   | 0.37 |
| 11AN0315A | Soil                             | 1.97 | 18.13 | 4.13  | 60.7  | 214  | 30.2 | 11.3 | 675  | 2.08 | 3.0  | 0.6  | 20.5 | 1.0  | 80.9 | 0.32 | 0.30 | 0.39 | 38   | 2.28 |
| 11AN0316A | Soil                             | 6.48 | 23.19 | 5.24  | 52.4  | 244  | 11.9 | 10.1 | 2353 | 1.65 | 3.1  | 0.7  | 2.4  | 0.3  | 47.1 | 0.39 | 0.24 | 0.11 | 34   | 1.03 |
| 11AN0317A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0318A | Soil                             | 2.12 | 20.26 | 4.94  | 67.4  | 269  | 13.3 | 12.0 | 365  | 2.73 | 4.0  | 0.6  | 3.6  | 1.1  | 39.0 | 0.13 | 0.21 | 0.08 | 55   | 0.55 |
| 11AN0319A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0320A | Soil                             | 1.66 | 14.63 | 5.42  | 60.3  | 157  | 10.3 | 8.4  | 224  | 2.51 | 4.2  | 0.4  | 10.0 | 1.0  | 19.7 | 0.07 | 0.18 | 0.09 | 65   | 0.25 |
| 11AN0321A | Soil                             | 2.11 | 15.98 | 6.48  | 71.2  | 188  | 13.1 | 14.1 | 519  | 3.01 | 5.4  | 0.5  | 4.3  | 1.3  | 24.3 | 0.09 | 0.19 | 0.10 | 75   | 0.36 |
| 11AN0322A | Soil                             | 1.65 | 13.70 | 5.63  | 65.8  | 172  | 13.1 | 10.0 | 268  | 2.42 | 3.7  | 0.5  | 4.2  | 1.4  | 27.0 | 0.10 | 0.21 | 0.08 | 50   | 0.45 |
| 11AN0323A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0324A | Soil                             | 1.32 | 12.27 | 7.31  | 79.1  | 120  | 14.3 | 10.3 | 279  | 2.69 | 3.8  | 0.5  | 4.6  | 1.7  | 23.0 | 0.11 | 0.20 | 0.09 | 58   | 0.42 |
| 11AN0325A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0326A | Soil                             | 1.32 | 13.99 | 6.55  | 58.5  | 173  | 10.5 | 10.1 | 323  | 2.40 | 3.8  | 0.6  | 2.2  | 1.3  | 25.8 | 0.12 | 0.21 | 0.10 | 45   | 0.37 |
| 11AN0327A | Soil                             | 0.80 | 19.01 | 7.01  | 42.8  | 131  | 12.8 | 7.0  | 132  | 2.04 | 4.1  | 0.8  | 2.5  | 0.6  | 27.4 | 0.17 | 0.26 | 0.09 | 32   | 0.33 |
| 11AN0328A | Soil                             | 0.85 | 11.51 | 5.80  | 43.4  | 96   | 10.5 | 5.9  | 147  | 1.80 | 4.1  | 0.5  | 1.9  | 0.9  | 17.8 | 0.12 | 0.20 | 0.11 | 39   | 0.24 |
| 11AN0329A | Soil                             | 1.14 | 24.11 | 5.40  | 51.1  | 879  | 7.9  | 4.8  | 243  | 1.66 | 2.3  | 0.9  | 3.4  | 0.8  | 50.1 | 0.28 | 0.28 | 0.27 | 41   | 1.12 |
| 11AN0330A | Soil                             | 2.26 | 35.05 | 7.73  | 91.1  | 1489 | 16.1 | 12.1 | 530  | 3.86 | 5.6  | 1.2  | 2.6  | 3.1  | 37.6 | 0.24 | 0.28 | 0.16 | 90   | 0.73 |
| 11AN0331A | Soil                             | 1.16 | 37.67 | 8.44  | 67.6  | 745  | 14.3 | 9.6  | 668  | 2.80 | 4.1  | 1.0  | 2.9  | 2.1  | 23.6 | 0.36 | 0.22 | 0.16 | 69   | 0.36 |
| 11AN0332A | Soil                             | 1.12 | 15.06 | 6.55  | 51.7  | 627  | 6.4  | 5.6  | 196  | 1.85 | 2.5  | 0.5  | 0.8  | 0.1  | 14.4 | 0.35 | 0.17 | 0.14 | 46   | 0.16 |
| 11AN0333A | Soil                             | 1.11 | 28.42 | 7.88  | 32.8  | 1489 | 9.0  | 4.0  | 557  | 1.23 | 2.2  | 0.7  | 2.5  | <0.1 | 19.1 | 0.66 | 0.19 | 0.17 | 24   | 0.18 |
| 11AN0334A | Soil                             | I.S. | I.S.  | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0335A | Soil                             | 1.02 | 65.32 | 8.86  | 66.4  | 1538 | 14.6 | 14.7 | 768  | 2.21 | 3.7  | 1.9  | 4.6  | 0.5  | 59.8 | 1.04 | 0.27 | 0.13 | 49   | 0.95 |
| 11AN0336A | Soil                             | 2.49 | 30.87 | 14.71 | 101.6 | 1092 | 11.1 | 23.4 | 2329 | 3.33 | 4.9  | 1.9  | 5.3  | 1.9  | 42.3 | 0.77 | 0.36 | 0.10 | 73   | 0.72 |
| 11AN0337A | Soil                             | 3.57 | 18.79 | 37.73 | 128.8 | 957  | 9.3  | 27.5 | 1947 | 3.38 | 4.3  | 1.1  | 4.7  | 1.7  | 33.1 | 0.59 | 0.30 | 0.11 | 71   | 0.56 |



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Project: Mariposa  
Report Date: February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0308A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0309A | Soil                             | 5.7  | 9.3  | 0.07 | 167.8 | 0.017 | 1    | 0.41 | 0.019 | 0.04 | <0.1 | 0.7  | 0.04 | 0.03  | 34   | 0.3  | <0.02 |
| 11AN0310A | Soil                             | 5.0  | 10.6 | 0.36 | 179.4 | 0.063 | 2    | 1.13 | 0.015 | 0.08 | <0.1 | 2.6  | 0.05 | 0.03  | 37   | 0.2  | <0.02 |
| 11AN0311A | Soil                             | 14.3 | 15.8 | 0.46 | 373.8 | 0.046 | 1    | 1.61 | 0.014 | 0.07 | 0.2  | 4.3  | 0.07 | 0.06  | 67   | 0.2  | <0.02 |
| 11AN0312A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0313A | Soil                             | 7.4  | 17.1 | 0.42 | 223.0 | 0.048 | 4    | 0.86 | 0.019 | 0.06 | 0.1  | 2.3  | 0.07 | 0.09  | 67   | 0.4  | <0.02 |
| 11AN0314A | Soil                             | 10.1 | 27.3 | 0.46 | 268.1 | 0.050 | 1    | 1.33 | 0.010 | 0.06 | 0.1  | 3.3  | 0.07 | 0.05  | 60   | 0.2  | 0.03  |
| 11AN0315A | Soil                             | 9.7  | 49.2 | 0.75 | 729.0 | 0.100 | <1   | 1.38 | 0.017 | 0.11 | <0.1 | 3.4  | 0.16 | 0.13  | 89   | 0.5  | <0.02 |
| 11AN0316A | Soil                             | 7.3  | 17.9 | 0.38 | 443.5 | 0.051 | 2    | 0.87 | 0.015 | 0.05 | <0.1 | 1.8  | 0.11 | 0.09  | 50   | 0.3  | <0.02 |
| 11AN0317A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0318A | Soil                             | 7.9  | 21.9 | 0.80 | 299.6 | 0.167 | 2    | 1.62 | 0.011 | 0.20 | 0.1  | 3.0  | 0.23 | 0.07  | 37   | 0.5  | 0.03  |
| 11AN0319A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0320A | Soil                             | 5.8  | 20.2 | 0.67 | 139.2 | 0.143 | <1   | 1.50 | 0.009 | 0.18 | 0.1  | 2.6  | 0.18 | 0.04  | 28   | 0.2  | <0.02 |
| 11AN0321A | Soil                             | 7.3  | 24.8 | 0.82 | 198.2 | 0.160 | 1    | 1.78 | 0.010 | 0.20 | 0.1  | 3.0  | 0.21 | 0.04  | 37   | 0.3  | 0.03  |
| 11AN0322A | Soil                             | 8.5  | 22.4 | 0.71 | 234.6 | 0.117 | <1   | 1.59 | 0.011 | 0.12 | 0.1  | 3.1  | 0.16 | 0.04  | 50   | 0.2  | <0.02 |
| 11AN0323A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0324A | Soil                             | 9.3  | 25.6 | 0.80 | 183.7 | 0.133 | 1    | 1.73 | 0.013 | 0.09 | 0.2  | 3.7  | 0.17 | 0.04  | 40   | 0.2  | 0.02  |
| 11AN0325A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0326A | Soil                             | 11.0 | 19.0 | 0.53 | 205.6 | 0.105 | 2    | 1.33 | 0.012 | 0.09 | 0.2  | 3.2  | 0.13 | 0.06  | 51   | 0.4  | <0.02 |
| 11AN0327A | Soil                             | 11.5 | 17.1 | 0.34 | 196.3 | 0.056 | 1    | 1.20 | 0.013 | 0.04 | 0.2  | 2.6  | 0.08 | 0.07  | 64   | 0.3  | <0.02 |
| 11AN0328A | Soil                             | 8.4  | 20.8 | 0.39 | 104.6 | 0.066 | 2    | 1.24 | 0.012 | 0.06 | 0.1  | 2.5  | 0.09 | 0.04  | 58   | 0.2  | <0.02 |
| 11AN0329A | Soil                             | 12.1 | 15.9 | 0.44 | 435.5 | 0.113 | 2    | 0.97 | 0.022 | 0.16 | 0.2  | 4.3  | 0.16 | 0.05  | 87   | 0.2  | 0.05  |
| 11AN0330A | Soil                             | 30.1 | 29.1 | 0.99 | 562.1 | 0.168 | 2    | 2.26 | 0.020 | 0.29 | 0.1  | 7.6  | 0.16 | <0.02 | 7    | 0.2  | 0.05  |
| 11AN0331A | Soil                             | 13.9 | 25.8 | 0.68 | 416.5 | 0.132 | 2    | 1.69 | 0.019 | 0.22 | 0.1  | 5.1  | 0.15 | <0.02 | 42   | 0.2  | 0.04  |
| 11AN0332A | Soil                             | 8.2  | 15.4 | 0.45 | 245.4 | 0.054 | 1    | 1.08 | 0.016 | 0.20 | <0.1 | 1.7  | 0.12 | 0.03  | 54   | 0.1  | <0.02 |
| 11AN0333A | Soil                             | 10.7 | 13.4 | 0.14 | 498.9 | 0.028 | 1    | 0.69 | 0.020 | 0.08 | <0.1 | 1.0  | 0.07 | 0.03  | 71   | 0.2  | <0.02 |
| 11AN0334A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0335A | Soil                             | 42.2 | 16.1 | 0.47 | 1127  | 0.071 | 2    | 1.32 | 0.023 | 0.17 | <0.1 | 6.9  | 0.13 | 0.07  | 109  | 0.3  | 0.04  |
| 11AN0336A | Soil                             | 38.9 | 18.6 | 0.67 | 598.7 | 0.105 | 1    | 1.70 | 0.022 | 0.28 | 0.1  | 10.4 | 0.21 | 0.08  | 106  | 0.3  | <0.02 |
| 11AN0337A | Soil                             | 25.6 | 18.7 | 0.71 | 481.6 | 0.133 | 1    | 1.64 | 0.018 | 0.36 | 0.1  | 9.3  | 0.29 | 0.09  | 71   | 0.3  | <0.02 |



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**Project:** Mariposa  
**Report Date:** February 03, 2012

**Page:** 6 of 6 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb    | Zn   | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm   | ppm  | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1  | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11AN0338A | Soil                             | 0.98 | 28.18 | 13.08 | 87.9 | 216  | 13.5 | 11.4 | 582  | 2.12 | 4.2  | 0.9  | 3.5  | 1.4  | 57.6  | 1.43 | 0.43 | 0.15 | 44   | 1.09 |
| 11AN0339A | Soil                             | 1.35 | 33.47 | 10.98 | 90.9 | 617  | 13.6 | 13.3 | 1133 | 2.02 | 5.0  | 0.9  | 5.2  | 0.9  | 74.6  | 1.17 | 0.53 | 0.32 | 39   | 1.28 |
| 11AN0340A | Soil                             | 0.38 | 27.79 | 0.99  | 7.7  | 90   | 8.7  | 3.1  | 837  | 0.43 | 1.3  | 1.8  | 0.3  | 0.2  | 120.8 | 0.20 | 0.55 | 0.09 | 9    | 4.33 |
| 11AN0341A | Soil                             | 0.44 | 26.04 | 1.43  | 9.1  | 97   | 7.7  | 3.3  | 926  | 0.42 | 1.2  | 1.8  | <0.2 | 0.3  | 118.2 | 0.22 | 0.63 | 0.07 | 8    | 4.18 |
| 11AN0342A | Soil                             | 1.20 | 13.38 | 6.55  | 51.3 | 262  | 7.3  | 4.1  | 309  | 1.67 | 3.2  | 0.5  | <0.2 | 1.7  | 58.2  | 0.48 | 0.21 | 0.15 | 42   | 0.47 |
| 11AN0343A | Soil                             | 0.86 | 22.52 | 8.49  | 61.7 | 460  | 20.8 | 8.9  | 797  | 2.35 | 5.5  | 0.8  | 0.3  | 1.9  | 108.8 | 0.57 | 0.36 | 0.16 | 53   | 1.19 |
| 11AN0344A | Soil                             | 1.04 | 10.81 | 7.66  | 42.9 | 82   | 10.6 | 6.1  | 257  | 2.32 | 5.5  | 0.3  | 1.1  | 1.2  | 45.5  | 0.21 | 0.34 | 0.15 | 61   | 0.27 |
| 11AN0345A | Soil                             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. |
| 11AN0346A | Soil                             | 0.86 | 42.68 | 8.08  | 28.6 | 151  | 13.8 | 4.4  | 134  | 1.44 | 3.2  | 1.3  | 1.1  | 0.1  | 48.8  | 0.44 | 0.26 | 0.15 | 26   | 0.35 |
| 11AN0347A | Soil                             | 1.08 | 12.91 | 7.25  | 49.6 | 247  | 11.2 | 13.0 | 1209 | 1.51 | 3.0  | 0.3  | 0.5  | 0.6  | 44.0  | 0.52 | 0.32 | 0.14 | 33   | 0.42 |
| 11AN0348A | Soil                             | 0.38 | 10.44 | 4.69  | 26.0 | 158  | 3.5  | 1.5  | 81   | 0.76 | 1.2  | 0.2  | 1.5  | 0.2  | 17.0  | 0.38 | 0.14 | 0.24 | 24   | 0.12 |
| 11AN0349A | Soil                             | 0.56 | 12.65 | 6.25  | 31.0 | 82   | 6.3  | 3.2  | 146  | 1.38 | 2.9  | 0.3  | 1.4  | 0.2  | 36.4  | 0.23 | 0.21 | 0.16 | 41   | 0.21 |
| 11AN0350A | Soil                             | 0.67 | 26.27 | 7.42  | 31.7 | 315  | 9.5  | 4.3  | 129  | 1.51 | 2.4  | 0.7  | 0.9  | <0.1 | 43.6  | 0.57 | 0.21 | 0.12 | 30   | 0.32 |
| 11CB1135A | Soil                             | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S. |





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**Project:** Mariposa  
**Report Date:** February 03, 2012

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## CERTIFICATE OF ANALYSIS

WHI11001434B.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0338A | Soil                             | 13.0 | 22.1 | 0.53 | 288.6 | 0.069 | 2    | 1.43 | 0.021 | 0.08 | 0.2  | 3.5  | 0.09 | 0.06  | 59   | 0.3  | 0.03  |
| 11AN0339A | Soil                             | 14.1 | 19.2 | 0.50 | 484.3 | 0.041 | 2    | 1.26 | 0.019 | 0.08 | 0.1  | 3.1  | 0.10 | 0.09  | 100  | 0.4  | 0.07  |
| 11AN0340A | Soil                             | 7.4  | 7.2  | 0.22 | 1356  | 0.009 | 9    | 0.43 | 0.016 | 0.02 | <0.1 | 1.5  | 0.03 | 0.18  | 107  | 0.9  | <0.02 |
| 11AN0341A | Soil                             | 6.8  | 5.9  | 0.21 | 1284  | 0.009 | 9    | 0.43 | 0.016 | 0.02 | <0.1 | 1.4  | 0.03 | 0.17  | 131  | 0.9  | <0.02 |
| 11AN0342A | Soil                             | 9.8  | 16.0 | 0.27 | 445.9 | 0.068 | 1    | 1.18 | 0.020 | 0.14 | <0.1 | 3.1  | 0.05 | <0.02 | 5    | 0.1  | 0.03  |
| 11AN0343A | Soil                             | 15.3 | 29.8 | 0.48 | 561.6 | 0.065 | 1    | 1.75 | 0.021 | 0.09 | <0.1 | 4.1  | 0.06 | <0.02 | 22   | 0.2  | 0.04  |
| 11AN0344A | Soil                             | 7.8  | 20.8 | 0.36 | 186.7 | 0.076 | <1   | 1.49 | 0.014 | 0.06 | 0.1  | 2.3  | 0.08 | <0.02 | 33   | 0.1  | 0.02  |
| 11AN0345A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |
| 11AN0346A | Soil                             | 12.8 | 17.0 | 0.21 | 329.5 | 0.042 | <1   | 1.11 | 0.017 | 0.06 | <0.1 | 2.3  | 0.06 | 0.06  | 85   | 0.4  | <0.02 |
| 11AN0347A | Soil                             | 7.4  | 16.7 | 0.22 | 579.3 | 0.039 | <1   | 0.83 | 0.017 | 0.14 | <0.1 | 1.8  | 0.05 | 0.03  | 69   | 0.3  | 0.02  |
| 11AN0348A | Soil                             | 5.9  | 12.5 | 0.09 | 162.6 | 0.034 | <1   | 0.51 | 0.015 | 0.06 | <0.1 | 1.0  | 0.03 | 0.02  | 34   | 0.1  | 0.02  |
| 11AN0349A | Soil                             | 6.7  | 14.9 | 0.20 | 165.4 | 0.044 | <1   | 0.94 | 0.015 | 0.05 | <0.1 | 1.3  | 0.05 | 0.02  | 37   | 0.1  | <0.02 |
| 11AN0350A | Soil                             | 11.0 | 13.8 | 0.19 | 271.2 | 0.015 | <1   | 0.97 | 0.014 | 0.07 | <0.1 | 0.8  | 0.04 | 0.06  | 83   | 0.3  | 0.04  |
| 11CB1135A | Soil                             | I.S. | I.S. | I.S. | I.S.  | I.S.  | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S. | I.S. | I.S.  | I.S. | I.S. | I.S.  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: September 15, 2011

Report Date: December 05, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001435.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-35  
P.O. Number  
Number of Samples: 125

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 119               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 119               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 119               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 119               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: December 05, 2011

Page: 2 of 6 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001435.1

|          | Method | Analyte | Unit   | MDL   | SS80   | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |     |     |
|----------|--------|---------|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
|          |        |         |        |       | -80 Wt | +80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi  | V   |
|          |        |         |        |       | g      | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm | ppm |
|          |        |         |        |       | 0      | 0.01   | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1 | 2   |
| 11KJ0400 | Soil   |         | 90.00  | 522.0 | 0.6    | 14.2   | 7.3   | 40    | <0.1  | 14.2  | 7.5   | 222   | 2.25  | 6.2   | 0.6   | 3.0   | 2.8   | 25    | <0.1  | 0.4   | 0.1   | 55    |     |     |
| 11KJ0401 | Soil   |         | 34.00  | 606.0 | 0.6    | 12.7   | 6.0   | 73    | <0.1  | 12.5  | 11.2  | 490   | 3.68  | 5.0   | 0.7   | 2.2   | 2.7   | 39    | <0.1  | 0.5   | 0.1   | 89    |     |     |
| 11KJ0402 | Soil   |         | 58.00  | 530.0 | 0.6    | 13.7   | 8.9   | 54    | <0.1  | 12.6  | 9.1   | 316   | 3.04  | 6.6   | 0.6   | 18.8  | 3.5   | 25    | <0.1  | 0.5   | 0.1   | 63    |     |     |
| 11KJ0403 | Soil   |         | 68.00  | 474.0 | 0.8    | 20.3   | 9.9   | 70    | 0.2   | 18.2  | 9.1   | 296   | 2.92  | 6.7   | 1.0   | 222.3 | 5.0   | 26    | <0.1  | 1.1   | 0.1   | 54    |     |     |
| 11KJ0404 | Soil   |         | 70.00  | 364.0 | 0.7    | 14.3   | 8.8   | 53    | <0.1  | 17.3  | 9.2   | 246   | 3.03  | 7.7   | 0.4   | 36.5  | 3.5   | 18    | <0.1  | 0.6   | 0.2   | 64    |     |     |
| 11KJ0405 | Soil   |         | 84.00  | 426.0 | 0.8    | 13.6   | 9.9   | 50    | <0.1  | 18.3  | 8.9   | 261   | 3.01  | 6.9   | 0.5   | 22.9  | 3.4   | 17    | <0.1  | 0.6   | 0.1   | 66    |     |     |
| 11KJ0406 | Soil   |         | 76.00  | 426.0 | 0.6    | 17.0   | 8.5   | 58    | <0.1  | 23.2  | 10.1  | 327   | 2.93  | 6.9   | 0.7   | 28.1  | 3.8   | 28    | <0.1  | 0.4   | 0.1   | 64    |     |     |
| 11KJ0407 | Soil   |         | 42.00  | 480.0 | 0.8    | 15.6   | 15.2  | 62    | 0.1   | 42.0  | 14.1  | 778   | 2.75  | 4.9   | 0.8   | 6.9   | 2.3   | 79    | 0.2   | 0.5   | 0.1   | 49    |     |     |
| 11KJ0408 | Soil   |         | 98.00  | 558.0 | 0.5    | 17.8   | 7.9   | 43    | <0.1  | 16.9  | 7.0   | 211   | 2.17  | 5.1   | 0.7   | 5.8   | 2.9   | 43    | <0.1  | 0.5   | 0.1   | 46    |     |     |
| 11KJ0409 | Soil   |         | 92.00  | 620.0 | 0.8    | 15.3   | 11.8  | 77    | <0.1  | 20.0  | 14.5  | 629   | 4.15  | 7.5   | 1.0   | 13.6  | 4.1   | 23    | <0.1  | 0.6   | 0.1   | 66    |     |     |
| 11KJ0410 | Soil   |         | 84.00  | 562.0 | 0.9    | 11.4   | 9.1   | 41    | <0.1  | 15.7  | 7.8   | 313   | 2.71  | 6.2   | 0.6   | 10.9  | 3.0   | 36    | <0.1  | 0.5   | 0.2   | 68    |     |     |
| 11KJ0411 | Soil   |         | 126.0  | 650.0 | 0.8    | 19.7   | 12.3  | 50    | <0.1  | 26.0  | 10.8  | 456   | 2.92  | 8.2   | 0.8   | 14.5  | 4.0   | 50    | <0.1  | 0.7   | 0.2   | 64    |     |     |
| 11KJ0412 | Soil   |         | 76.00  | 472.0 | 0.5    | 10.9   | 7.2   | 65    | <0.1  | 17.4  | 12.0  | 503   | 3.43  | 4.9   | 0.5   | 209.9 | 3.4   | 45    | <0.1  | 0.4   | 0.1   | 77    |     |     |
| 11KJ0413 | Soil   |         | 108.0  | 536.0 | 0.5    | 10.4   | 9.5   | 69    | 0.2   | 16.7  | 11.7  | 652   | 3.57  | 6.7   | 0.9   | 99.7  | 3.6   | 53    | <0.1  | 0.5   | 0.1   | 71    |     |     |
| 11KJ0414 | Soil   |         | 60.00  | 610.0 | 0.9    | 14.5   | 13.2  | 56    | <0.1  | 23.2  | 11.8  | 439   | 3.42  | 6.3   | 0.5   | 56.3  | 3.5   | 30    | <0.1  | 0.9   | 0.1   | 70    |     |     |
| 11KJ0415 | Soil   |         | 54.00  | 448.0 | 1.1    | 12.4   | 11.7  | 72    | <0.1  | 15.5  | 12.6  | 718   | 3.62  | 5.7   | 0.4   | 20.3  | 2.3   | 36    | 0.2   | 0.4   | 0.1   | 72    |     |     |
| 11KJ0416 | Soil   |         | 98.00  | 478.0 | 0.8    | 15.6   | 12.0  | 58    | <0.1  | 50.6  | 14.9  | 427   | 3.51  | 6.6   | 0.7   | 33.7  | 5.6   | 55    | <0.1  | 0.5   | 0.1   | 81    |     |     |
| 11KJ0417 | Soil   |         | 140.0  | 322.0 | 0.9    | 7.2    | 9.1   | 71    | <0.1  | 8.6   | 7.7   | 839   | 2.26  | 4.5   | 0.3   | 4.6   | 2.0   | 47    | 0.2   | 0.4   | 0.2   | 63    |     |     |
| 11KJ0418 | Soil   |         | 106.0  | 470.0 | 0.6    | 9.4    | 8.6   | 40    | <0.1  | 10.5  | 7.4   | 411   | 2.83  | 4.6   | 0.5   | 2.7   | 2.9   | 59    | <0.1  | 0.4   | <0.1  | 44    |     |     |
| 11KJ0419 | Soil   |         | 100.00 | 278.0 | 1.4    | 12.3   | 11.5  | 38    | <0.1  | 20.9  | 7.6   | 205   | 3.07  | 9.4   | 0.4   | 1.4   | 2.9   | 19    | <0.1  | 0.5   | 0.2   | 74    |     |     |
| 11KJ0422 | Soil   |         | 62.00  | 572.0 | 1.0    | 15.0   | 10.4  | 75    | <0.1  | 29.0  | 14.3  | 908   | 4.36  | 6.0   | 0.7   | 26.7  | 2.4   | 46    | <0.1  | 0.6   | <0.1  | 54    |     |     |
| 11KJ0423 | Soil   |         | 78.00  | 440.0 | 0.7    | 24.0   | 11.2  | 60    | 0.1   | 26.9  | 12.0  | 701   | 3.05  | 6.7   | 0.5   | 17.1  | 2.6   | 65    | 0.1   | 0.7   | 0.1   | 48    |     |     |
| 11KJ0424 | Soil   |         | 74.00  | 544.0 | 0.6    | 19.4   | 10.0  | 76    | <0.1  | 25.4  | 13.4  | 862   | 3.59  | 5.5   | 0.8   | 4.8   | 3.6   | 55    | <0.1  | 0.7   | <0.1  | 64    |     |     |
| 11KJ0425 | Soil   |         | 80.00  | 560.0 | 0.7    | 26.5   | 11.0  | 85    | 0.1   | 29.3  | 15.1  | 994   | 3.60  | 7.0   | 0.6   | 5.5   | 3.1   | 64    | 0.1   | 0.6   | 0.2   | 76    |     |     |
| 11KJ0426 | Soil   |         | 38.00  | 566.0 | 0.5    | 19.3   | 11.6  | 80    | <0.1  | 17.3  | 13.1  | 676   | 4.03  | 6.3   | 0.9   | 1.3   | 3.0   | 41    | <0.1  | 0.9   | 0.1   | 86    |     |     |
| 11KJ0427 | Soil   |         | 48.00  | 492.0 | 0.5    | 9.1    | 6.4   | 91    | <0.1  | 11.8  | 14.9  | 704   | 4.06  | 4.5   | 0.3   | <0.5  | 1.0   | 61    | <0.1  | 0.4   | <0.1  | 92    |     |     |
| 11KJ0428 | Soil   |         | 66.00  | 506.0 | 0.5    | 10.1   | 6.0   | 93    | <0.1  | 12.5  | 15.2  | 803   | 4.62  | 6.5   | 0.3   | 1.6   | 1.7   | 42    | <0.1  | 0.4   | <0.1  | 106   |     |     |
| 11KJ0429 | Soil   |         | 100.00 | 494.0 | 0.7    | 13.3   | 10.8  | 81    | <0.1  | 15.6  | 15.0  | 715   | 4.01  | 7.6   | 0.4   | 0.8   | 2.0   | 32    | 0.1   | 0.4   | 0.1   | 93    |     |     |
| 11KJ0430 | Soil   |         | 88.00  | 618.0 | 0.3    | 9.0    | 4.3   | 118   | <0.1  | 7.3   | 20.0  | 1527  | 5.56  | 4.4   | 0.4   | <0.5  | 1.5   | 46    | <0.1  | 0.3   | <0.1  | 113   |     |     |
| 11KJ0431 | Soil   |         | 74.00  | 624.0 | 0.3    | 8.5    | 7.5   | 111   | <0.1  | 11.1  | 19.9  | 1104  | 4.37  | 3.2   | 0.4   | <0.5  | 0.9   | 45    | <0.1  | 0.2   | <0.1  | 98    |     |     |



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Project: Mariposa  
Report Date: December 05, 2011

Page: 2 of 6 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001435.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Ca    | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | %     | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.01  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11KJ0400 | Soil                             | 0.28  | 0.027 | 11    | 26    | 0.50  | 203   | 0.067 | 1     | 1.48  | 0.013 | 0.03  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0401 | Soil                             | 0.58  | 0.131 | 13    | 20    | 0.92  | 232   | 0.050 | <1    | 2.20  | 0.019 | 0.03  | <0.1  | 0.01  | 5.2   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0402 | Soil                             | 0.48  | 0.096 | 17    | 22    | 0.55  | 457   | 0.024 | <1    | 1.80  | 0.010 | 0.05  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0403 | Soil                             | 0.34  | 0.047 | 21    | 29    | 0.43  | 497   | 0.035 | 1     | 1.50  | 0.011 | 0.06  | 0.1   | 0.05  | 5.5   | <0.1  | <0.05 | 4     | <0.5  | 0.2   |
| 11KJ0404 | Soil                             | 0.17  | 0.037 | 11    | 26    | 0.48  | 376   | 0.037 | 1     | 1.74  | 0.011 | 0.06  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0405 | Soil                             | 0.16  | 0.037 | 12    | 28    | 0.55  | 241   | 0.033 | 1     | 1.89  | 0.009 | 0.05  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0406 | Soil                             | 0.36  | 0.065 | 16    | 31    | 0.68  | 438   | 0.038 | <1    | 2.11  | 0.013 | 0.05  | <0.1  | 0.01  | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0407 | Soil                             | 0.66  | 0.093 | 11    | 40    | 0.37  | 1032  | 0.015 | 2     | 1.24  | 0.012 | 0.10  | 0.1   | 0.05  | 6.5   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11KJ0408 | Soil                             | 0.35  | 0.063 | 14    | 25    | 0.47  | 356   | 0.046 | 1     | 1.35  | 0.013 | 0.05  | 0.1   | 0.02  | 4.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11KJ0409 | Soil                             | 0.29  | 0.087 | 21    | 27    | 0.58  | 440   | 0.022 | 1     | 2.12  | 0.009 | 0.09  | 0.2   | 0.02  | 8.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0410 | Soil                             | 0.47  | 0.042 | 12    | 25    | 0.46  | 404   | 0.033 | <1    | 1.65  | 0.011 | 0.04  | 0.1   | 0.02  | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0411 | Soil                             | 0.67  | 0.053 | 19    | 34    | 0.58  | 630   | 0.041 | 1     | 1.74  | 0.016 | 0.05  | 0.2   | 0.03  | 5.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0412 | Soil                             | 0.51  | 0.079 | 11    | 22    | 0.92  | 434   | 0.029 | <1    | 2.10  | 0.014 | 0.07  | <0.1  | 0.02  | 7.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0413 | Soil                             | 0.65  | 0.077 | 13    | 23    | 0.63  | 482   | 0.026 | 1     | 1.71  | 0.013 | 0.07  | 0.1   | 0.02  | 7.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0414 | Soil                             | 0.38  | 0.050 | 13    | 33    | 0.59  | 375   | 0.029 | 1     | 1.65  | 0.011 | 0.10  | 0.2   | 0.02  | 4.9   | <0.1  | <0.05 | 6     | <0.5  | 0.3   |
| 11KJ0415 | Soil                             | 0.45  | 0.056 | 9     | 24    | 0.78  | 473   | 0.021 | 1     | 2.05  | 0.011 | 0.10  | 0.1   | 0.01  | 5.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0416 | Soil                             | 0.54  | 0.047 | 16    | 74    | 1.48  | 503   | 0.039 | 2     | 2.20  | 0.021 | 0.11  | 0.1   | 0.02  | 6.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0417 | Soil                             | 0.31  | 0.031 | 9     | 19    | 0.33  | 505   | 0.031 | <1    | 1.12  | 0.009 | 0.07  | 0.1   | <0.01 | 2.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0418 | Soil                             | 0.40  | 0.072 | 12    | 16    | 0.32  | 956   | 0.014 | 1     | 1.10  | 0.010 | 0.09  | <0.1  | 0.01  | 5.0   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11KJ0419 | Soil                             | 0.19  | 0.034 | 12    | 34    | 0.37  | 310   | 0.049 | <1    | 1.69  | 0.007 | 0.05  | 0.1   | 0.01  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0422 | Soil                             | 0.80  | 0.087 | 16    | 21    | 0.37  | 1315  | 0.011 | 1     | 1.12  | 0.008 | 0.14  | 0.2   | 0.02  | 9.9   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11KJ0423 | Soil                             | 1.73  | 0.096 | 16    | 25    | 0.56  | 659   | 0.040 | 1     | 1.11  | 0.025 | 0.08  | 0.2   | 0.03  | 5.6   | <0.1  | <0.05 | 3     | 0.5   | <0.2  |
| 11KJ0424 | Soil                             | 1.15  | 0.155 | 26    | 25    | 0.77  | 923   | 0.031 | <1    | 1.48  | 0.017 | 0.09  | 0.1   | 0.03  | 7.6   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11KJ0425 | Soil                             | 1.57  | 0.177 | 23    | 30    | 1.00  | 511   | 0.046 | 2     | 1.63  | 0.026 | 0.08  | 0.1   | 0.05  | 7.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0426 | Soil                             | 0.65  | 0.130 | 15    | 25    | 0.98  | 387   | 0.040 | <1    | 2.10  | 0.016 | 0.08  | 0.2   | 0.02  | 8.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0427 | Soil                             | 1.04  | 0.260 | 4     | 20    | 1.48  | 208   | 0.069 | <1    | 2.41  | 0.028 | 0.11  | <0.1  | 0.01  | 6.5   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11KJ0428 | Soil                             | 0.69  | 0.152 | 6     | 21    | 1.41  | 204   | 0.071 | <1    | 2.53  | 0.013 | 0.08  | <0.1  | <0.01 | 5.3   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11KJ0429 | Soil                             | 0.45  | 0.117 | 7     | 28    | 1.11  | 334   | 0.095 | 1     | 2.67  | 0.021 | 0.06  | 0.1   | <0.01 | 4.5   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11KJ0430 | Soil                             | 0.95  | 0.344 | 7     | 11    | 1.62  | 232   | 0.020 | <1    | 2.81  | 0.016 | 0.05  | <0.1  | <0.01 | 10.3  | <0.1  | <0.05 | 13    | <0.5  | <0.2  |
| 11KJ0431 | Soil                             | 0.88  | 0.290 | 3     | 15    | 1.63  | 233   | 0.194 | <1    | 2.71  | 0.030 | 0.47  | <0.1  | <0.01 | 3.2   | 0.2   | <0.05 | 11    | <0.5  | <0.2  |



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December 05, 2011

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Part 1

## CERTIFICATE OF ANALYSIS

WHI11001435.1

|          | Method<br>Analyte<br>Unit<br>MDL | SS80   | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | -80 Wt | +80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     |
|          |                                  | g      | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   |
|          |                                  | 0      | 0.01   | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     |
| 11KJ0432 | Soil                             | 84.00  | 594.0  | 0.5   | 14.3  | 7.1   | 86    | <0.1  | 16.4  | 15.3  | 645   | 3.57  | 5.7   | 0.5   | <0.5  | 2.2   | 38    | <0.1  | 0.3   | <0.1  | 77    |
| 11KJ0433 | Soil                             | 46.00  | 494.0  | 0.9   | 10.3  | 11.4  | 72    | <0.1  | 18.5  | 12.1  | 634   | 3.43  | 8.4   | 0.4   | <0.5  | 2.1   | 39    | <0.1  | 0.5   | 0.1   | 81    |
| 11KJ0434 | Soil                             | 18.00  | 522.0  | 0.9   | 15.3  | 10.2  | 62    | <0.1  | 22.0  | 9.0   | 283   | 3.20  | 11.7  | 0.6   | 2.8   | 3.5   | 26    | 0.2   | 0.7   | 0.2   | 75    |
| 11KJ0435 | Soil                             | 78.00  | 552.0  | 1.1   | 15.1  | 11.6  | 72    | <0.1  | 17.7  | 11.0  | 420   | 3.34  | 8.1   | 0.5   | 0.5   | 2.6   | 30    | <0.1  | 0.5   | 0.1   | 81    |
| 11KJ0436 | Soil                             | 40.00  | 542.0  | 1.3   | 40.7  | 9.9   | 69    | 0.6   | 20.2  | 10.7  | 483   | 3.51  | 4.6   | 3.0   | 5.7   | 4.2   | 88    | 0.2   | 0.3   | <0.1  | 137   |
| 11KJ0437 | Soil                             | 70.00  | 730.0  | 0.9   | 13.1  | 8.3   | 81    | <0.1  | 10.7  | 9.5   | 701   | 3.87  | 5.9   | 0.7   | 0.5   | 3.1   | 83    | <0.1  | 0.2   | <0.1  | 115   |
| 11KJ0438 | Soil                             | 72.00  | 436.0  | 1.4   | 22.9  | 7.9   | 52    | 0.3   | 16.0  | 7.9   | 427   | 2.22  | 5.8   | 0.6   | 3.8   | 2.0   | 25    | 0.2   | 0.3   | 0.2   | 61    |
| 11KJ0439 | Soil                             | 87.00  | 454.0  | 1.3   | 19.0  | 13.1  | 42    | <0.1  | 18.5  | 8.3   | 254   | 2.48  | 7.4   | 0.7   | 2.1   | 3.5   | 18    | 0.2   | 0.4   | 0.2   | 57    |
| 11KJ0440 | Soil                             | 170.0  | 636.0  | 0.5   | 32.7  | 4.9   | 59    | <0.1  | 16.1  | 9.6   | 422   | 3.15  | 5.1   | 0.5   | 1.0   | 4.0   | 14    | 0.1   | 0.3   | <0.1  | 64    |
| 11KJ0441 | Soil                             | 136.0  | 630.0  | 1.7   | 42.9  | 8.1   | 102   | <0.1  | 18.0  | 7.5   | 558   | 4.52  | 5.8   | 0.5   | <0.5  | 5.0   | 9     | 0.1   | 0.2   | 0.1   | 105   |
| 11KJ0442 | Soil                             | 174.0  | 512.0  | 0.8   | 24.7  | 10.4  | 49    | <0.1  | 8.8   | 4.4   | 273   | 2.82  | 6.1   | 0.5   | <0.5  | 3.3   | 12    | 0.1   | 0.3   | 0.1   | 59    |
| 11KJ0443 | Soil                             | 188.0  | 472.0  | 2.2   | 36.1  | 15.7  | 73    | <0.1  | 18.1  | 8.7   | 672   | 3.91  | 12.3  | 0.5   | 0.7   | 3.4   | 12    | 0.2   | 0.5   | <0.1  | 61    |
| 11KJ0444 | Soil                             | 142.0  | 480.0  | 3.4   | 167.0 | 8.7   | 62    | <0.1  | 19.5  | 10.8  | 448   | 3.54  | 9.0   | 1.0   | 4.0   | 3.7   | 21    | <0.1  | 0.7   | 0.1   | 69    |
| 11KJ0445 | Soil                             | 220.0  | 504.0  | 1.4   | 39.6  | 16.2  | 57    | <0.1  | 23.3  | 9.5   | 226   | 3.03  | 9.5   | 0.6   | <0.5  | 2.5   | 23    | 0.1   | 0.5   | 0.2   | 67    |
| 11KJ0446 | Soil                             | 98.00  | 436.0  | 0.6   | 48.2  | 7.7   | 87    | 0.1   | 20.0  | 15.2  | 645   | 4.34  | 3.6   | 1.1   | <0.5  | 1.5   | 42    | 0.3   | 0.3   | 0.1   | 104   |
| 11JM0657 | Soil                             | 242.0  | 526.0  | 0.4   | 11.2  | 11.8  | 102   | <0.1  | 15.5  | 15.3  | 958   | 4.20  | 5.0   | 0.4   | 1.4   | 2.3   | 52    | <0.1  | 0.5   | 0.1   | 88    |
| 11JM0658 | Soil                             | 242.0  | 580.0  | 0.4   | 11.3  | 8.0   | 84    | <0.1  | 14.1  | 12.1  | 782   | 3.62  | 5.9   | 0.5   | 5.3   | 2.6   | 35    | 0.1   | 0.3   | 0.1   | 75    |
| 11JM0659 | Soil                             | 158.0  | 442.0  | 0.6   | 21.4  | 10.6  | 64    | <0.1  | 19.5  | 9.8   | 488   | 2.98  | 6.8   | 0.9   | 12.9  | 3.8   | 33    | <0.1  | 0.5   | 0.1   | 66    |
| 11JM0660 | Soil                             | 188.0  | 526.0  | 0.4   | 16.0  | 7.1   | 76    | <0.1  | 14.7  | 10.6  | 602   | 3.32  | 5.2   | 0.6   | 14.0  | 2.9   | 39    | <0.1  | 0.3   | <0.1  | 72    |
| 11JM0661 | Soil                             | 222.0  | 506.0  | 0.5   | 15.6  | 10.9  | 100   | <0.1  | 13.9  | 14.1  | 1022  | 4.36  | 4.8   | 0.8   | 30.1  | 4.3   | 40    | <0.1  | 0.4   | <0.1  | 81    |
| 11JM0662 | Soil                             | 96.00  | 434.0  | 0.7   | 22.4  | 9.1   | 68    | <0.1  | 19.5  | 10.9  | 525   | 3.32  | 6.7   | 0.5   | 27.2  | 4.2   | 32    | <0.1  | 0.5   | 0.1   | 73    |
| 11JM0663 | Soil                             | 202.0  | 486.0  | 0.9   | 7.8   | 14.5  | 58    | <0.1  | 15.2  | 9.0   | 405   | 2.82  | 5.7   | 0.4   | 1.2   | 2.4   | 29    | <0.1  | 0.3   | <0.1  | 62    |
| 11JM0664 | Soil                             | 194.0  | 532.0  | 0.7   | 7.8   | 7.6   | 85    | <0.1  | 11.0  | 12.8  | 714   | 4.06  | 5.7   | 0.4   | <0.5  | 3.1   | 38    | <0.1  | 0.3   | <0.1  | 88    |
| 11JM0665 | Soil                             | 230.0  | 514.0  | 0.5   | 12.1  | 9.6   | 88    | <0.1  | 13.6  | 13.8  | 935   | 3.81  | 3.6   | 0.6   | 24.6  | 4.7   | 41    | <0.1  | 0.3   | <0.1  | 80    |
| 11JM0666 | Soil                             | 246.0  | 584.0  | 0.4   | 12.7  | 6.5   | 104   | <0.1  | 10.8  | 14.3  | 1162  | 4.29  | 3.9   | 0.7   | 10.7  | 3.8   | 62    | <0.1  | 0.3   | <0.1  | 89    |
| 11JM0667 | Soil                             | 288.0  | 572.0  | 0.4   | 10.8  | 8.4   | 107   | <0.1  | 12.1  | 15.3  | 979   | 4.53  | 3.6   | 0.4   | 1.3   | 3.6   | 42    | <0.1  | 0.3   | <0.1  | 85    |
| 11JM0668 | Soil                             | 254.0  | 592.0  | 0.4   | 9.4   | 6.2   | 115   | <0.1  | 9.9   | 16.6  | 1223  | 4.77  | 3.5   | 0.9   | 252.4 | 5.6   | 32    | 0.1   | 0.3   | <0.1  | 87    |
| 11JM0669 | Soil                             | 378.0  | 662.0  | 0.6   | 8.9   | 10.8  | 86    | <0.1  | 11.0  | 12.2  | 982   | 3.94  | 3.9   | 0.6   | 8.8   | 5.6   | 29    | <0.1  | 1.1   | <0.1  | 70    |
| 11JM0670 | Soil                             | 136.0  | 474.0  | 0.7   | 14.8  | 8.3   | 63    | <0.1  | 18.4  | 9.5   | 411   | 2.84  | 6.8   | 0.8   | 10.0  | 4.1   | 26    | <0.1  | 0.5   | 0.1   | 64    |
| 11JM0671 | Soil                             | 342.0  | 626.0  | 0.4   | 11.3  | 10.4  | 83    | <0.1  | 16.8  | 10.4  | 618   | 3.27  | 3.8   | 0.6   | 27.7  | 3.0   | 39    | 0.1   | 0.3   | <0.1  | 66    |



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Report Date: December 05, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001435.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Ca    | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    |
|          |                                  | %     | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|          |                                  | 0.01  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.01  | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 11KJ0432 | Soil                             | 0.59  | 0.160 | 7     | 25    | 1.06  | 211   | 0.100 | 1     | 2.41  | 0.024 | 0.06  | <0.1  | <0.01 | 4.3   | <0.1  | <0.05 | 9     | <0.5  |
| 11KJ0433 | Soil                             | 0.54  | 0.093 | 7     | 34    | 0.83  | 222   | 0.076 | 1     | 2.23  | 0.016 | 0.09  | 0.1   | <0.01 | 4.6   | <0.1  | <0.05 | 8     | <0.5  |
| 11KJ0434 | Soil                             | 0.23  | 0.037 | 8     | 36    | 0.60  | 165   | 0.092 | <1    | 2.25  | 0.010 | 0.09  | 0.1   | 0.01  | 3.6   | <0.1  | <0.05 | 7     | 0.5   |
| 11KJ0435 | Soil                             | 0.36  | 0.086 | 10    | 32    | 0.78  | 247   | 0.078 | <1    | 2.24  | 0.014 | 0.07  | 0.1   | <0.01 | 4.0   | <0.1  | <0.05 | 8     | <0.5  |
| 11KJ0436 | Soil                             | 1.01  | 0.158 | 54    | 35    | 0.52  | 295   | 0.063 | <1    | 3.05  | 0.039 | 0.07  | <0.1  | 0.23  | 18.5  | <0.1  | 0.05  | 11    | 0.8   |
| 11KJ0437 | Soil                             | 1.03  | 0.173 | 16    | 20    | 0.66  | 241   | 0.070 | <1    | 2.10  | 0.041 | 0.10  | <0.1  | <0.01 | 7.3   | <0.1  | <0.05 | 9     | <0.5  |
| 11KJ0438 | Soil                             | 0.40  | 0.051 | 12    | 38    | 0.49  | 371   | 0.049 | 2     | 1.52  | 0.012 | 0.04  | 0.1   | 0.04  | 4.5   | <0.1  | 0.06  | 6     | <0.5  |
| 11KJ0439 | Soil                             | 0.19  | 0.031 | 16    | 41    | 0.46  | 186   | 0.057 | 2     | 1.43  | 0.010 | 0.05  | 0.1   | 0.02  | 3.5   | <0.1  | <0.05 | 5     | <0.5  |
| 11KJ0440 | Soil                             | 0.16  | 0.046 | 11    | 28    | 0.78  | 162   | 0.142 | 2     | 1.94  | 0.010 | 0.27  | <0.1  | 0.02  | 5.8   | 0.1   | <0.05 | 6     | <0.5  |
| 11KJ0441 | Soil                             | 0.12  | 0.071 | 12    | 41    | 0.96  | 289   | 0.251 | 1     | 2.32  | 0.009 | 0.64  | 0.1   | 0.01  | 10.8  | 0.2   | 0.07  | 10    | 0.7   |
| 11KJ0442 | Soil                             | 0.11  | 0.049 | 13    | 21    | 0.48  | 192   | 0.134 | 1     | 1.55  | 0.010 | 0.24  | 0.1   | 0.03  | 5.2   | 0.1   | <0.05 | 8     | <0.5  |
| 11KJ0443 | Soil                             | 0.12  | 0.120 | 13    | 36    | 0.57  | 126   | 0.052 | 1     | 1.97  | 0.011 | 0.16  | <0.1  | 0.02  | 6.1   | <0.1  | <0.05 | 6     | <0.5  |
| 11KJ0444 | Soil                             | 0.26  | 0.077 | 17    | 32    | 0.62  | 373   | 0.047 | 1     | 2.13  | 0.012 | 0.07  | 0.1   | 0.02  | 6.3   | <0.1  | <0.05 | 6     | <0.5  |
| 11KJ0445 | Soil                             | 0.25  | 0.047 | 11    | 36    | 0.53  | 265   | 0.063 | 1     | 2.05  | 0.014 | 0.04  | 0.2   | 0.03  | 3.7   | <0.1  | <0.05 | 7     | <0.5  |
| 11KJ0446 | Soil                             | 1.50  | 0.149 | 11    | 28    | 1.46  | 330   | 0.158 | 2     | 2.55  | 0.018 | 0.12  | 0.1   | 0.03  | 6.5   | <0.1  | 0.07  | 9     | <0.5  |
| 11JM0657 | Soil                             | 0.86  | 0.221 | 11    | 24    | 1.36  | 279   | 0.062 | 1     | 2.53  | 0.018 | 0.05  | <0.1  | 0.02  | 6.9   | <0.1  | <0.05 | 10    | <0.5  |
| 11JM0658 | Soil                             | 0.59  | 0.148 | 11    | 23    | 1.00  | 270   | 0.074 | <1    | 2.24  | 0.016 | 0.06  | 0.1   | 0.02  | 4.9   | <0.1  | <0.05 | 8     | <0.5  |
| 11JM0659 | Soil                             | 0.40  | 0.064 | 19    | 33    | 0.73  | 300   | 0.068 | <1    | 1.97  | 0.015 | 0.05  | 0.1   | 0.03  | 5.4   | <0.1  | <0.05 | 6     | <0.5  |
| 11JM0660 | Soil                             | 0.59  | 0.116 | 14    | 24    | 0.89  | 270   | 0.088 | <1    | 1.96  | 0.014 | 0.06  | 0.1   | 0.02  | 4.9   | <0.1  | <0.05 | 7     | <0.5  |
| 11JM0661 | Soil                             | 0.55  | 0.136 | 25    | 18    | 1.22  | 249   | 0.010 | <1    | 2.50  | 0.009 | 0.06  | <0.1  | 0.03  | 9.0   | <0.1  | <0.05 | 11    | <0.5  |
| 11JM0662 | Soil                             | 0.39  | 0.070 | 18    | 32    | 0.89  | 250   | 0.079 | 1     | 2.09  | 0.017 | 0.04  | 0.1   | 0.03  | 6.1   | <0.1  | <0.05 | 7     | <0.5  |
| 11JM0663 | Soil                             | 0.36  | 0.122 | 8     | 25    | 0.63  | 131   | 0.040 | <1    | 1.86  | 0.011 | 0.06  | 0.1   | 0.01  | 2.6   | <0.1  | <0.05 | 7     | <0.5  |
| 11JM0664 | Soil                             | 0.53  | 0.167 | 10    | 16    | 1.13  | 129   | 0.094 | 1     | 2.67  | 0.020 | 0.05  | 0.1   | 0.01  | 4.5   | <0.1  | 0.05  | 11    | <0.5  |
| 11JM0665 | Soil                             | 0.66  | 0.141 | 18    | 20    | 1.04  | 231   | 0.062 | <1    | 2.06  | 0.019 | 0.06  | <0.1  | 0.01  | 5.9   | <0.1  | <0.05 | 9     | <0.5  |
| 11JM0666 | Soil                             | 0.81  | 0.209 | 22    | 15    | 1.33  | 227   | 0.098 | <1    | 2.37  | 0.016 | 0.06  | 0.1   | 0.02  | 7.2   | <0.1  | <0.05 | 10    | <0.5  |
| 11JM0667 | Soil                             | 0.49  | 0.158 | 10    | 19    | 1.40  | 160   | 0.048 | <1    | 2.89  | 0.016 | 0.05  | <0.1  | <0.01 | 4.4   | <0.1  | <0.05 | 11    | <0.5  |
| 11JM0668 | Soil                             | 0.65  | 0.232 | 39    | 14    | 1.52  | 272   | 0.021 | 1     | 2.77  | 0.010 | 0.12  | <0.1  | 0.01  | 7.1   | <0.1  | <0.05 | 11    | <0.5  |
| 11JM0669 | Soil                             | 0.53  | 0.172 | 28    | 15    | 0.94  | 299   | 0.024 | 2     | 1.95  | 0.013 | 0.10  | 0.4   | <0.01 | 7.1   | <0.1  | <0.05 | 8     | <0.5  |
| 11JM0670 | Soil                             | 0.31  | 0.062 | 16    | 28    | 0.64  | 298   | 0.053 | 1     | 1.86  | 0.013 | 0.06  | 0.2   | 0.02  | 4.7   | <0.1  | <0.05 | 6     | <0.5  |
| 11JM0671 | Soil                             | 0.63  | 0.145 | 17    | 25    | 0.93  | 373   | 0.058 | 1     | 1.87  | 0.014 | 0.07  | 0.2   | 0.03  | 5.2   | <0.1  | <0.05 | 7     | <0.5  |



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Report Date: December 05, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001435.1

|          | Method<br>Analyte | Unit<br>MDL | SS80   | SS80   | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |     |
|----------|-------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
|          |                   |             | -80 Wt | +80 Wt | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V   |
|          |                   |             | g      | g      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm |
|          |                   |             | 0      | 0.01   | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 1      | 0.01   | 0.5    | 0.1    | 0.5    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 2   |
| 11JM0672 | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |     |
| 11JM0673 | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |     |
| 11JM0674 | Soil              |             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |     |
| 11JM0678 | Soil              |             | 302.0  | 640.0  | 0.7    | 9.6    | 8.8    | 92     | <0.1   | 12.6   | 14.3   | 994    | 4.66   | 5.2    | 0.4    | <0.5   | 2.2    | 26     | <0.1   | 0.4    | <0.1   | 83  |
| 11JM0679 | Soil              |             | 328.0  | 612.0  | 0.3    | 7.9    | 8.0    | 105    | <0.1   | 11.7   | 14.5   | 926    | 4.55   | 3.0    | 0.6    | 1.6    | 1.3    | 48     | <0.1   | 2.4    | <0.1   | 100 |
| 11JM0680 | Soil              |             | 300.0  | 638.0  | 0.4    | 8.9    | 7.0    | 126    | <0.1   | 13.3   | 17.5   | 1408   | 4.99   | 4.5    | 0.6    | 3.0    | 1.8    | 46     | <0.1   | 2.3    | <0.1   | 104 |
| 11JM0681 | Soil              |             | 168.0  | 452.0  | 0.6    | 14.1   | 11.4   | 74     | <0.1   | 52.7   | 16.0   | 607    | 3.61   | 6.1    | 0.6    | <0.5   | 4.1    | 76     | 0.1    | 0.5    | 0.1    | 89  |
| 11JM0682 | Soil              |             | 266.0  | 604.0  | 1.0    | 9.1    | 12.8   | 93     | <0.1   | 14.1   | 15.3   | 818    | 4.64   | 6.6    | 0.6    | <0.5   | 2.1    | 25     | <0.1   | 0.4    | 0.1    | 83  |
| 11JM0683 | Soil              |             | 258.0  | 542.0  | 0.8    | 12.4   | 14.6   | 79     | <0.1   | 20.2   | 13.7   | 551    | 4.05   | 8.4    | 0.6    | 1.3    | 3.2    | 45     | <0.1   | 1.3    | 0.1    | 80  |
| 11JM0684 | Soil              |             | 320.0  | 658.0  | 0.6    | 15.2   | 14.2   | 79     | <0.1   | 16.6   | 14.1   | 787    | 4.17   | 6.5    | 0.7    | <0.5   | 3.5    | 42     | <0.1   | 0.5    | <0.1   | 73  |
| 11JM0685 | Soil              |             | 436.0  | 420.0  | 0.7    | 8.9    | 17.6   | 93     | <0.1   | 15.2   | 16.2   | 1027   | 5.09   | 3.4    | 0.8    | 27.9   | 3.3    | 32     | <0.1   | 0.4    | <0.1   | 70  |
| 11JM0686 | Soil              |             | 282.0  | 620.0  | 0.9    | 10.2   | 10.3   | 57     | <0.1   | 15.3   | 10.4   | 598    | 3.03   | 6.2    | 0.6    | 13.4   | 2.9    | 31     | <0.1   | 0.4    | <0.1   | 55  |
| 11JM0687 | Soil              |             | 340.0  | 624.0  | 2.3    | 15.3   | 14.0   | 72     | <0.1   | 13.2   | 14.1   | 1300   | 4.32   | 3.5    | 0.8    | 4.5    | 1.7    | 181    | 0.1    | 0.8    | <0.1   | 42  |
| 11JM0688 | Soil              |             | 182.0  | 520.0  | 1.0    | 13.2   | 12.1   | 70     | <0.1   | 31.7   | 14.9   | 970    | 4.20   | 7.1    | 0.7    | 20.2   | 2.8    | 62     | 0.1    | 0.7    | 0.1    | 61  |
| 11JM0689 | Soil              |             | 326.0  | 610.0  | 1.2    | 48.5   | 12.8   | 64     | <0.1   | 131.1  | 27.1   | 779    | 4.95   | 5.7    | 0.8    | 1.6    | 4.8    | 43     | <0.1   | 0.5    | <0.1   | 113 |
| 11JM0690 | Soil              |             | 248.0  | 586.0  | 0.4    | 22.8   | 18.3   | 84     | <0.1   | 58.4   | 15.9   | 723    | 3.88   | 5.4    | 1.1    | 32.4   | 9.0    | 91     | <0.1   | 0.6    | 0.1    | 85  |
| 11JM0691 | Soil              |             | 228.0  | 512.0  | 0.6    | 18.6   | 11.4   | 78     | <0.1   | 44.3   | 16.2   | 716    | 4.14   | 6.8    | 0.8    | 1.3    | 4.3    | 59     | <0.1   | 0.8    | 0.2    | 95  |
| 11JM0692 | Soil              |             | 260.0  | 598.0  | 0.4    | 20.1   | 6.6    | 100    | <0.1   | 36.6   | 20.0   | 854    | 5.25   | 9.5    | 0.6    | <0.5   | 3.2    | 84     | <0.1   | 0.4    | <0.1   | 129 |
| 11JM0693 | Soil              |             | 330.0  | 614.0  | 0.4    | 69.2   | 3.0    | 96     | <0.1   | 16.3   | 12.5   | 835    | 4.74   | 1.7    | 0.8    | 0.6    | 5.6    | 62     | <0.1   | <0.1   | <0.1   | 125 |
| 11JM0694 | Soil              |             | 290.0  | 628.0  | 0.6    | 26.6   | 5.6    | 77     | <0.1   | 37.1   | 13.5   | 628    | 4.08   | 6.5    | 1.0    | 1.7    | 4.9    | 86     | <0.1   | 0.2    | <0.1   | 117 |
| 11JM0695 | Soil              |             | 288.0  | 572.0  | 0.8    | 8.1    | 7.9    | 63     | <0.1   | 11.7   | 9.2    | 762    | 3.35   | 4.3    | 0.4    | 1.0    | 2.4    | 130    | <0.1   | 0.1    | <0.1   | 91  |
| 11JM0696 | Soil              |             | 268.0  | 606.0  | 0.9    | 38.0   | 6.5    | 85     | <0.1   | 58.5   | 15.6   | 847    | 4.58   | 5.0    | 0.7    | 1.3    | 5.9    | 63     | <0.1   | 0.3    | <0.1   | 102 |
| 11JM0697 | Soil              |             | 100.00 | 616.0  | 4.2    | 92.9   | 23.0   | 100    | <0.1   | 45.3   | 16.2   | 527    | 4.16   | 14.1   | 0.7    | 2.4    | 2.9    | 31     | 0.1    | 0.5    | 0.1    | 128 |
| 11JM0698 | Soil              |             | 164.0  | 442.0  | 1.7    | 60.0   | 7.1    | 156    | <0.1   | 16.3   | 11.7   | 1135   | 5.26   | 4.0    | 0.8    | 0.7    | 4.9    | 13     | 0.2    | 0.2    | <0.1   | 107 |
| 11JM0699 | Soil              |             | 116.0  | 608.0  | 0.8    | 43.5   | 2.9    | 83     | <0.1   | 13.3   | 10.0   | 752    | 4.67   | 3.6    | 0.6    | <0.5   | 7.8    | 7      | <0.1   | 0.1    | 0.2    | 74  |
| 11JM0700 | Soil              |             | 108.0  | 650.0  | 0.8    | 44.2   | 3.7    | 88     | <0.1   | 13.9   | 10.3   | 804    | 4.80   | 3.6    | 0.6    | <0.5   | 9.3    | 8      | <0.1   | 0.1    | <0.1   | 75  |
| 11JM0701 | Soil              |             | 120.0  | 538.0  | 2.5    | 50.7   | 3.2    | 85     | <0.1   | 26.2   | 10.2   | 642    | 3.62   | 3.5    | 0.4    | <0.5   | 6.9    | 9      | <0.1   | 0.1    | <0.1   | 87  |
| 11JM0702 | Soil              |             | 136.0  | 594.0  | 1.5    | 51.4   | 6.6    | 99     | <0.1   | 35.3   | 10.5   | 565    | 4.52   | 5.0    | 1.2    | 2.7    | 5.6    | 26     | 0.1    | 0.3    | 0.1    | 70  |
| 11JM0703 | Soil              |             | 112.0  | 580.0  | 0.9    | 43.6   | 8.3    | 101    | <0.1   | 16.3   | 12.9   | 817    | 5.23   | 4.3    | 0.5    | 0.8    | 2.9    | 17     | 0.2    | 0.3    | <0.1   | 101 |
| 11JM0704 | Soil              |             | 80.00  | 370.0  | 1.3    | 42.4   | 8.3    | 95     | <0.1   | 20.0   | 11.8   | 793    | 4.83   | 6.2    | 0.6    | <0.5   | 3.9    | 11     | <0.1   | 0.3    | 0.1    | 97  |



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Report Date: December 05, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001435.1

| Method<br>Analyte<br>Unit<br>MDL |      | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                  |      | Ca     | P      | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Tl     | S      | Ga     | Se     | Te     |
|                                  |      | %      | %      | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppm    |
|                                  |      | 0.01   | 0.001  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.01   | 0.1    | 0.1    | 0.05   | 1      | 0.5    | 0.2    |
| 11JM0672                         | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11JM0673                         | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11JM0674                         | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11JM0678                         | Soil | 0.42   | 0.155  | 12     | 19     | 1.27   | 606    | 0.028  | <1     | 2.46   | 0.009  | 0.11   | 0.1    | <0.01  | 5.3    | <0.1   | 0.05   | 9      | <0.5   | <0.2   |
| 11JM0679                         | Soil | 0.99   | 0.299  | 14     | 12     | 1.28   | 449    | 0.050  | <1     | 2.32   | 0.018  | 0.16   | 0.2    | 0.02   | 8.9    | <0.1   | 0.06   | 10     | <0.5   | <0.2   |
| 11JM0680                         | Soil | 0.92   | 0.292  | 17     | 15     | 1.13   | 483    | 0.034  | 1      | 2.20   | 0.012  | 0.12   | 0.1    | 0.02   | 9.4    | <0.1   | 0.05   | 10     | <0.5   | <0.2   |
| 11JM0681                         | Soil | 0.63   | 0.222  | 22     | 79     | 1.40   | 404    | 0.129  | 1      | 2.20   | 0.015  | 0.13   | 0.1    | 0.03   | 4.9    | <0.1   | 0.06   | 9      | 0.6    | <0.2   |
| 11JM0682                         | Soil | 0.34   | 0.120  | 12     | 23     | 0.45   | 426    | 0.025  | <1     | 2.05   | 0.010  | 0.10   | 0.1    | <0.01  | 6.2    | 0.1    | 0.05   | 7      | <0.5   | <0.2   |
| 11JM0683                         | Soil | 0.57   | 0.105  | 13     | 33     | 0.59   | 599    | 0.028  | 1      | 1.95   | 0.010  | 0.18   | 0.2    | 0.02   | 6.0    | <0.1   | <0.05  | 6      | <0.5   | <0.2   |
| 11JM0684                         | Soil | 0.55   | 0.120  | 24     | 23     | 1.02   | 711    | 0.031  | 1      | 2.16   | 0.013  | 0.14   | <0.1   | 0.03   | 8.5    | <0.1   | <0.05  | 8      | <0.5   | <0.2   |
| 11JM0685                         | Soil | 0.51   | 0.138  | 22     | 19     | 0.80   | 1128   | 0.010  | <1     | 2.10   | 0.008  | 0.16   | 0.1    | 0.01   | 10.5   | <0.1   | <0.05  | 7      | <0.5   | <0.2   |
| 11JM0686                         | Soil | 0.39   | 0.051  | 13     | 24     | 0.56   | 630    | 0.035  | <1     | 1.62   | 0.013  | 0.13   | 0.1    | 0.02   | 4.9    | <0.1   | <0.05  | 5      | <0.5   | <0.2   |
| 11JM0687                         | Soil | 3.17   | 0.186  | 14     | 10     | 0.42   | 1362   | 0.004  | 3      | 0.69   | 0.009  | 0.19   | <0.1   | 0.04   | 8.6    | <0.1   | 0.08   | 2      | <0.5   | <0.2   |
| 11JM0688                         | Soil | 0.97   | 0.077  | 15     | 23     | 0.48   | 944    | 0.018  | 2      | 1.40   | 0.011  | 0.16   | 0.1    | 0.03   | 9.0    | <0.1   | 0.07   | 3      | <0.5   | <0.2   |
| 11JM0689                         | Soil | 0.58   | 0.089  | 19     | 114    | 1.70   | 616    | 0.074  | 4      | 2.24   | 0.010  | 0.49   | 0.1    | <0.01  | 12.0   | 0.1    | <0.05  | 8      | <0.5   | <0.2   |
| 11JM0690                         | Soil | 1.01   | 0.252  | 42     | 71     | 1.60   | 546    | 0.111  | 2      | 2.01   | 0.020  | 0.13   | 0.2    | 0.03   | 7.7    | 0.1    | <0.05  | 9      | <0.5   | <0.2   |
| 11JM0691                         | Soil | 0.78   | 0.185  | 24     | 70     | 1.26   | 427    | 0.069  | 2      | 2.32   | 0.016  | 0.16   | 0.2    | 0.02   | 8.3    | <0.1   | <0.05  | 9      | <0.5   | <0.2   |
| 11JM0692                         | Soil | 1.18   | 0.250  | 13     | 64     | 2.33   | 341    | 0.125  | 3      | 2.96   | 0.026  | 0.10   | <0.1   | 0.01   | 11.1   | <0.1   | <0.05  | 13     | <0.5   | <0.2   |
| 11JM0693                         | Soil | 0.56   | 0.129  | 23     | 21     | 1.58   | 377    | 0.279  | 1      | 2.92   | 0.022  | 1.05   | <0.1   | <0.01  | 12.2   | 0.3    | 0.05   | 11     | <0.5   | <0.2   |
| 11JM0694                         | Soil | 1.05   | 0.166  | 32     | 61     | 1.20   | 285    | 0.109  | 2      | 2.60   | 0.056  | 0.09   | <0.1   | 0.03   | 10.6   | <0.1   | <0.05  | 10     | <0.5   | <0.2   |
| 11JM0695                         | Soil | 0.86   | 0.151  | 11     | 21     | 0.71   | 212    | 0.067  | 1      | 2.09   | 0.019  | 0.06   | <0.1   | 0.01   | 5.1    | <0.1   | <0.05  | 9      | <0.5   | <0.2   |
| 11JM0696                         | Soil | 0.91   | 0.238  | 30     | 81     | 1.31   | 292    | 0.029  | 1      | 2.51   | 0.012  | 0.10   | <0.1   | 0.01   | 8.1    | <0.1   | <0.05  | 10     | <0.5   | <0.2   |
| 11JM0697                         | Soil | 0.55   | 0.106  | 10     | 98     | 1.17   | 219    | 0.099  | 2      | 2.47   | 0.019  | 0.05   | 0.1    | 0.02   | 7.8    | <0.1   | <0.05  | 8      | <0.5   | <0.2   |
| 11JM0698                         | Soil | 0.24   | 0.095  | 19     | 36     | 1.06   | 355    | 0.181  | 1      | 2.52   | 0.010  | 0.55   | <0.1   | <0.01  | 15.1   | 0.2    | <0.05  | 10     | <0.5   | <0.2   |
| 11JM0699                         | Soil | 0.15   | 0.083  | 14     | 17     | 1.05   | 204    | 0.285  | 1      | 2.64   | 0.009  | 0.84   | <0.1   | <0.01  | 10.6   | 0.3    | 0.05   | 10     | <0.5   | <0.2   |
| 11JM0700                         | Soil | 0.17   | 0.097  | 17     | 22     | 1.07   | 212    | 0.320  | 1      | 2.79   | 0.009  | 0.96   | <0.1   | <0.01  | 11.4   | 0.2    | 0.05   | 11     | <0.5   | <0.2   |
| 11JM0701                         | Soil | 0.13   | 0.038  | 15     | 50     | 1.21   | 206    | 0.172  | <1     | 2.40   | 0.007  | 0.50   | <0.1   | <0.01  | 10.0   | 0.2    | <0.05  | 8      | <0.5   | <0.2   |
| 11JM0702                         | Soil | 0.41   | 0.118  | 29     | 44     | 0.66   | 432    | 0.073  | 2      | 1.84   | 0.011  | 0.26   | <0.1   | 0.02   | 11.5   | 0.1    | 0.07   | 6      | <0.5   | <0.2   |
| 11JM0703                         | Soil | 0.22   | 0.072  | 11     | 35     | 1.13   | 246    | 0.061  | 1      | 2.92   | 0.010  | 0.15   | <0.1   | 0.02   | 11.9   | 0.1    | <0.05  | 10     | <0.5   | <0.2   |
| 11JM0704                         | Soil | 0.15   | 0.057  | 12     | 43     | 1.03   | 209    | 0.188  | 2      | 2.56   | 0.010  | 0.45   | 0.1    | 0.02   | 9.0    | 0.2    | <0.05  | 9      | <0.5   | <0.2   |





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Project: Mariposa  
Report Date: December 05, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001435.1

| Method<br>Analyte | Unit<br>MDL | SS80   | SS80   | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|-------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                   |             | -80 Wt | +80 Wt | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      |
|                   |             | g      | g      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|                   |             | 0      | 0.01   | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 1      | 0.01   | 0.5    | 0.1    | 0.5    | 0.1    | 1      | 0.1    | 0.1    | 0.1    | 2      |
| 11JM0705          | Soil        | 72.00  | 482.0  | 1.5    | 33.1   | 5.6    | 79     | <0.1   | 24.8   | 11.7   | 548    | 3.86   | 8.5    | 0.9    | 52.3   | 3.9    | 19     | <0.1   | 0.3    | 0.1    | 100    |
| 11JM0706          | Soil        | 102.0  | 484.0  | 0.6    | 29.6   | 3.0    | 92     | <0.1   | 22.3   | 33.3   | 1135   | 8.20   | 3.1    | 0.4    | 0.8    | 1.4    | 39     | <0.1   | 0.2    | <0.1   | 126    |
| 11JM0707          | Soil        | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11JM0708          | Soil        | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11JM0709          | Soil        | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0575          | Soil        | 50.00  | 610.0  | 6.5    | 13.9   | 11.1   | 67     | <0.1   | 19.7   | 10.5   | 445    | 3.53   | 5.8    | 0.5    | 11.3   | 2.6    | 48     | <0.1   | 0.6    | 0.1    | 71     |
| 11BH0576          | Soil        | 74.00  | 682.0  | 28.7   | 45.0   | 19.8   | 91     | 0.3    | 38.5   | 17.2   | 1201   | 4.94   | 5.5    | 0.5    | 132.1  | 2.3    | 71     | <0.1   | 1.1    | 0.2    | 69     |
| 11BH0577          | Soil        | 76.00  | 452.0  | 1.4    | 16.2   | 9.8    | 69     | <0.1   | 20.6   | 11.9   | 557    | 4.15   | 8.1    | 1.0    | 4.8    | 3.7    | 57     | <0.1   | 0.5    | 0.1    | 76     |
| 11BH0578          | Soil        | 66.00  | 514.0  | 1.7    | 18.6   | 9.7    | 53     | <0.1   | 22.1   | 10.5   | 454    | 3.72   | 5.0    | 0.8    | 98.7   | 2.3    | 19     | <0.1   | 0.6    | <0.1   | 47     |
| 11BH0579          | Soil        | 36.00  | 464.0  | 0.7    | 27.2   | 26.6   | 57     | 0.1    | 75.5   | 16.1   | 645    | 3.28   | 9.8    | 0.9    | 4.0    | 7.1    | 75     | <0.1   | 0.5    | 0.2    | 70     |
| 11BH0580          | Soil        | 76.00  | 438.0  | 1.1    | 19.1   | 11.3   | 64     | <0.1   | 32.4   | 14.3   | 778    | 3.97   | 8.8    | 0.8    | 95.4   | 3.5    | 38     | <0.1   | 0.7    | 0.1    | 65     |
| 11BH0581          | Soil        | 36.00  | 558.0  | 3.4    | 10.2   | 8.9    | 57     | <0.1   | 16.8   | 12.5   | 1129   | 3.92   | 4.9    | 0.7    | 12.1   | 3.4    | 57     | <0.1   | 0.5    | <0.1   | 47     |
| 11BH0582          | Soil        | 74.00  | 612.0  | 1.6    | 24.5   | 13.0   | 70     | <0.1   | 33.2   | 14.9   | 594    | 4.12   | 9.5    | 0.8    | 74.7   | 3.5    | 41     | <0.1   | 0.9    | 0.1    | 77     |
| 11BH0583          | Soil        | 26.00  | 364.0  | 1.2    | 19.8   | 9.0    | 69     | <0.1   | 32.6   | 14.5   | 782    | 4.04   | 8.1    | 0.7    | 8.0    | 3.1    | 26     | <0.1   | 0.5    | 0.1    | 72     |
| 11BH0584          | Soil        | 62.00  | 460.0  | 1.8    | 19.4   | 13.1   | 55     | <0.1   | 43.7   | 14.8   | 726    | 3.90   | 9.2    | 0.7    | 46.7   | 4.4    | 31     | <0.1   | 0.6    | 0.2    | 84     |
| 11BH0585          | Soil        | 78.00  | 552.0  | 0.7    | 35.4   | 5.2    | 59     | <0.1   | 10.5   | 11.7   | 249    | 3.82   | 5.4    | 0.6    | 1.8    | 1.9    | 20     | <0.1   | 2.2    | <0.1   | 39     |
| 11BH0586          | Soil        | 48.00  | 562.0  | 3.4    | 25.3   | 10.7   | 78     | <0.1   | 48.8   | 15.3   | 415    | 3.79   | 2.8    | 0.6    | 3.3    | 5.2    | 18     | <0.1   | 0.5    | 0.1    | 52     |
| 11BH0587          | Soil        | 40.00  | 432.0  | 0.8    | 8.8    | 7.4    | 50     | <0.1   | 10.9   | 7.2    | 339    | 2.32   | 5.6    | 0.4    | 1.2    | 1.7    | 25     | <0.1   | 0.3    | 0.1    | 65     |
| 11BH0588          | Soil        | 60.00  | 410.0  | 1.7    | 12.1   | 10.1   | 123    | <0.1   | 17.3   | 17.2   | 1141   | 4.99   | 5.2    | 0.4    | 2.1    | 1.6    | 46     | <0.1   | 0.3    | <0.1   | 109    |
| 11BH0589          | Soil        | 20.00  | 628.0  | 1.2    | 13.4   | 11.3   | 83     | <0.1   | 23.3   | 13.6   | 897    | 3.54   | 4.8    | 0.6    | 3.0    | 1.8    | 60     | 0.1    | 0.6    | 0.1    | 78     |
| 11BH0590          | Soil        | 76.00  | 474.0  | 0.8    | 19.5   | 8.8    | 62     | <0.1   | 20.9   | 9.0    | 505    | 3.36   | 5.6    | 0.6    | 1.2    | 2.4    | 106    | <0.1   | 0.2    | 0.1    | 100    |
| 11BH0591          | Soil        | 37.00  | 460.0  | 0.4    | 19.4   | 4.3    | 82     | <0.1   | 15.0   | 13.1   | 599    | 5.25   | 4.4    | 0.3    | <0.5   | 1.6    | 114    | <0.1   | 0.1    | <0.1   | 154    |
| 11BH0592          | Soil        | 108.0  | 586.0  | 0.4    | 13.2   | 5.6    | 97     | <0.1   | 13.8   | 14.7   | 1240   | 5.34   | 4.7    | 0.8    | 0.7    | 3.4    | 170    | <0.1   | 0.2    | <0.1   | 151    |
| 11BH0593          | Soil        | 48.00  | 706.0  | 0.4    | 12.0   | 5.5    | 59     | <0.1   | 13.0   | 9.9    | 666    | 3.57   | 4.6    | 0.4    | <0.5   | 2.5    | 122    | <0.1   | 0.2    | <0.1   | 104    |
| 11BH0594          | Soil        | 80.00  | 510.0  | 0.3    | 7.3    | 4.7    | 61     | <0.1   | 5.9    | 9.5    | 877    | 3.49   | 0.7    | 0.5    | 1.8    | 4.2    | 26     | <0.1   | 0.2    | <0.1   | 61     |
| 11BH0595          | Soil        | 54.00  | 718.0  | 1.2    | 136.9  | 6.5    | 57     | 0.4    | 63.8   | 10.5   | 406    | 2.75   | 8.3    | 1.3    | 4.3    | 2.7    | 41     | 0.1    | 0.4    | 0.1    | 130    |
| 11BH0596          | Soil        | 66.00  | 470.0  | 1.5    | 19.8   | 11.4   | 47     | <0.1   | 18.7   | 7.3    | 220    | 2.60   | 7.6    | 0.6    | 4.6    | 3.3    | 18     | <0.1   | 0.3    | 0.2    | 71     |
| 11BH0597          | Soil        | 114.0  | 474.0  | 0.9    | 47.3   | 6.5    | 69     | <0.1   | 20.1   | 10.2   | 361    | 3.83   | 7.8    | 0.7    | 1.9    | 4.2    | 14     | 0.1    | 0.4    | 0.1    | 69     |
| 11BH0598          | Soil        | 140.0  | 592.0  | 0.5    | 59.9   | 4.3    | 136    | <0.1   | 30.1   | 17.1   | 734    | 5.74   | 2.7    | 0.7    | 1.0    | 4.4    | 10     | <0.1   | 0.1    | <0.1   | 119    |
| 11BH0599          | Soil        | 106.0  | 586.0  | 0.7    | 39.3   | 6.7    | 62     | <0.1   | 47.9   | 13.1   | 447    | 3.13   | 6.6    | 0.8    | 3.7    | 6.6    | 24     | 0.1    | 0.4    | 0.1    | 67     |



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Report Date: December 05, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001435.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  | 1DX15  |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | Ca     | P      | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Hg     | Sc     | Tl     | S      | Ga     | Se     |
|          |                                  | %      | %      | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | ppm    | %      | ppm    | ppm    |
|          |                                  | 0.01   | 0.001  | 1      | 1      | 0.01   | 1      | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.01   | 0.01   | 0.1    | 0.01   | 0.05   | 1      | 0.5    |
| 11JM0705 | Soil                             | 0.27   | 0.062  | 17     | 44     | 0.95   | 328    | 0.153  | 2      | 2.29   | 0.012  | 0.25   | <0.1   | 0.02   | 8.5    | 0.2    | <0.05  | 8      | <0.5   |
| 11JM0706 | Soil                             | 1.44   | 0.349  | 16     | 15     | 1.68   | 448    | 0.202  | 2      | 3.11   | 0.020  | 0.65   | <0.1   | 0.01   | 8.6    | 0.2    | <0.05  | 13     | <0.5   |
| 11JM0707 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11JM0708 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11JM0709 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11BH0575 | Soil                             | 0.50   | 0.111  | 14     | 27     | 0.51   | 976    | 0.023  | 2      | 2.06   | 0.011  | 0.11   | 0.1    | 0.02   | 6.2    | 0.1    | <0.05  | 6      | <0.5   |
| 11BH0576 | Soil                             | 0.71   | 0.189  | 13     | 41     | 0.43   | 1270   | 0.017  | 3      | 1.49   | 0.011  | 0.17   | 0.1    | 0.06   | 10.5   | 0.1    | 0.10   | 5      | <0.5   |
| 11BH0577 | Soil                             | 0.40   | 0.095  | 16     | 32     | 0.54   | 494    | 0.055  | 2      | 2.02   | 0.012  | 0.13   | 0.1    | 0.02   | 7.5    | 0.1    | <0.05  | 6      | <0.5   |
| 11BH0578 | Soil                             | 0.28   | 0.059  | 13     | 28     | 0.25   | 840    | 0.008  | 2      | 1.45   | 0.005  | 0.16   | 0.3    | 0.05   | 6.1    | 0.1    | <0.05  | 3      | <0.5   |
| 11BH0579 | Soil                             | 0.74   | 0.088  | 44     | 81     | 0.63   | 1521   | 0.035  | 2      | 1.93   | 0.017  | 0.09   | 0.1    | 0.03   | 7.1    | 0.1    | <0.05  | 6      | <0.5   |
| 11BH0580 | Soil                             | 0.61   | 0.070  | 18     | 30     | 0.53   | 1039   | 0.043  | 2      | 1.59   | 0.020  | 0.14   | 0.2    | 0.03   | 10.2   | <0.1   | 0.06   | 5      | <0.5   |
| 11BH0581 | Soil                             | 0.50   | 0.089  | 19     | 15     | 0.25   | 970    | 0.005  | 3      | 1.36   | 0.009  | 0.21   | <0.1   | 0.02   | 7.6    | 0.1    | <0.05  | 3      | <0.5   |
| 11BH0582 | Soil                             | 0.57   | 0.038  | 16     | 45     | 0.51   | 962    | 0.036  | 1      | 2.16   | 0.013  | 0.15   | 0.2    | 0.02   | 8.2    | 0.1    | 0.09   | 6      | <0.5   |
| 11BH0583 | Soil                             | 0.42   | 0.074  | 14     | 42     | 0.46   | 628    | 0.037  | 2      | 1.81   | 0.012  | 0.15   | 0.1    | 0.02   | 7.7    | 0.1    | 0.07   | 5      | <0.5   |
| 11BH0584 | Soil                             | 0.43   | 0.054  | 19     | 70     | 0.43   | 1073   | 0.032  | 2      | 2.16   | 0.010  | 0.14   | 0.2    | 0.01   | 5.2    | 0.1    | <0.05  | 7      | <0.5   |
| 11BH0585 | Soil                             | 0.25   | 0.081  | 11     | 12     | 0.20   | 707    | 0.006  | 2      | 1.27   | 0.005  | 0.19   | 0.1    | <0.01  | 4.2    | 0.1    | <0.05  | 3      | <0.5   |
| 11BH0586 | Soil                             | 0.41   | 0.123  | 37     | 26     | 0.17   | 548    | 0.004  | 2      | 0.99   | 0.005  | 0.17   | 0.2    | 0.03   | 7.5    | <0.1   | <0.05  | 3      | <0.5   |
| 11BH0587 | Soil                             | 0.37   | 0.092  | 10     | 21     | 0.51   | 237    | 0.098  | 1      | 1.52   | 0.016  | 0.10   | 0.1    | 0.02   | 2.6    | <0.1   | <0.05  | 7      | <0.5   |
| 11BH0588 | Soil                             | 0.90   | 0.257  | 10     | 21     | 1.47   | 555    | 0.111  | 3      | 2.79   | 0.022  | 0.19   | 0.1    | <0.01  | 6.8    | 0.1    | 0.08   | 10     | <0.5   |
| 11BH0589 | Soil                             | 1.16   | 0.144  | 17     | 40     | 0.80   | 817    | 0.044  | 2      | 1.92   | 0.018  | 0.11   | 0.1    | 0.03   | 7.1    | <0.1   | 0.08   | 7      | <0.5   |
| 11BH0590 | Soil                             | 0.78   | 0.084  | 14     | 41     | 0.67   | 238    | 0.108  | <1     | 2.41   | 0.037  | 0.08   | <0.1   | 0.02   | 5.2    | <0.1   | 0.06   | 10     | <0.5   |
| 11BH0591 | Soil                             | 1.23   | 0.134  | 8      | 21     | 1.28   | 257    | 0.212  | <1     | 3.18   | 0.057  | 0.12   | <0.1   | 0.01   | 7.5    | <0.1   | <0.05  | 11     | <0.5   |
| 11BH0592 | Soil                             | 1.08   | 0.205  | 20     | 25     | 1.00   | 284    | 0.125  | <1     | 2.90   | 0.028  | 0.18   | <0.1   | 0.02   | 9.7    | <0.1   | <0.05  | 13     | <0.5   |
| 11BH0593 | Soil                             | 1.10   | 0.155  | 10     | 17     | 0.76   | 194    | 0.106  | 1      | 2.77   | 0.053  | 0.08   | <0.1   | <0.01  | 5.4    | <0.1   | 0.06   | 10     | <0.5   |
| 11BH0594 | Soil                             | 0.44   | 0.162  | 19     | 10     | 0.67   | 263    | 0.010  | <1     | 1.77   | 0.007  | 0.09   | <0.1   | <0.01  | 4.2    | <0.1   | <0.05  | 7      | <0.5   |
| 11BH0595 | Soil                             | 1.15   | 0.412  | 13     | 72     | 0.65   | 246    | 0.039  | 1      | 1.54   | 0.012  | 0.04   | 0.1    | 0.03   | 5.9    | <0.1   | <0.05  | 5      | 0.8    |
| 11BH0596 | Soil                             | 0.20   | 0.039  | 12     | 40     | 0.52   | 179    | 0.055  | 1      | 1.67   | 0.010  | 0.04   | 0.1    | 0.03   | 3.6    | <0.1   | <0.05  | 7      | <0.5   |
| 11BH0597 | Soil                             | 0.08   | 0.037  | 9      | 31     | 0.67   | 190    | 0.135  | <1     | 2.45   | 0.008  | 0.33   | <0.1   | 0.02   | 7.9    | 0.2    | <0.05  | 7      | <0.5   |
| 11BH0598 | Soil                             | 0.15   | 0.064  | 11     | 67     | 1.39   | 282    | 0.266  | <1     | 2.90   | 0.009  | 0.91   | <0.1   | <0.01  | 13.0   | 0.3    | <0.05  | 12     | <0.5   |
| 11BH0599 | Soil                             | 0.39   | 0.073  | 28     | 77     | 1.01   | 349    | 0.128  | 2      | 2.11   | 0.016  | 0.14   | 0.1    | 0.01   | 6.5    | 0.1    | <0.05  | 6      | <0.5   |



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Project: Mariposa  
Report Date: December 05, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001435.1

|          | Method<br>Analyte<br>Unit<br>MDL | SS80   | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | -80 Wt | +80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    |
|          |                                  | g      | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   |
|          |                                  | 0      | 0.01   | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   |
| 11BH0600 | Soil                             | 84.00  | 506.0  | 0.7   | 34.9  | 8.5   | 58    | <0.1  | 31.5  | 11.0  | 370   | 2.90  | 5.8   | 0.7   | 2.7   | 4.1   | 16    | 0.1   | 0.4   | 0.1   |
| 11BH0601 | Soil                             | 66.00  | 512.0  | 0.3   | 48.9  | 3.3   | 89    | <0.1  | 69.8  | 18.0  | 788   | 4.57  | 2.4   | 0.6   | 1.8   | 5.0   | 24    | 0.1   | 0.1   | <0.1  |
| 11BH0602 | Soil                             | 92.00  | 504.0  | 0.5   | 47.0  | 6.2   | 85    | <0.1  | 34.7  | 13.4  | 707   | 4.04  | 3.6   | 0.7   | 1.6   | 4.5   | 16    | 0.1   | 0.1   | <0.1  |
| 11BH0603 | Soil                             | 100.00 | 510.0  | 2.2   | 62.9  | 10.1  | 71    | <0.1  | 42.2  | 15.8  | 420   | 3.39  | 5.2   | 0.6   | 2.7   | 3.2   | 23    | 0.1   | 0.2   | 0.1   |
| 11BH0604 | Soil                             | 84.00  | 496.0  | 1.3   | 38.1  | 7.1   | 61    | 0.1   | 24.4  | 8.7   | 286   | 2.91  | 4.9   | 0.8   | 2.9   | 3.6   | 16    | 0.1   | 0.2   | 0.1   |



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**Project:** Mariposa  
**Report Date:** December 05, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001435.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Ca    | P     | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | %     | %     | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 0.01  | 0.001 | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BH0600 | Soil                             | 0.24  | 0.049 | 16    | 51    | 0.84  | 237   | 0.112 | <1    | 1.69  | 0.012 | 0.19  | <0.1  | 0.02  | 5.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11BH0601 | Soil                             | 0.46  | 0.106 | 23    | 150   | 2.32  | 510   | 0.244 | <1    | 2.83  | 0.012 | 0.84  | <0.1  | <0.01 | 11.2  | 0.3   | <0.05 | 10    | <0.5  | <0.2  |
| 11BH0602 | Soil                             | 0.45  | 0.163 | 17    | 58    | 1.45  | 310   | 0.187 | <1    | 2.27  | 0.012 | 0.62  | <0.1  | 0.01  | 8.1   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0603 | Soil                             | 0.44  | 0.118 | 12    | 55    | 0.83  | 185   | 0.115 | 1     | 1.93  | 0.015 | 0.08  | 0.1   | 0.02  | 5.0   | 0.1   | 0.06  | 7     | <0.5  | <0.2  |
| 11BH0604 | Soil                             | 0.26  | 0.071 | 13    | 48    | 0.80  | 158   | 0.135 | 1     | 1.80  | 0.011 | 0.16  | 0.1   | 0.02  | 5.4   | 0.1   | 0.06  | 7     | <0.5  | <0.2  |



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Project: Mariposa

Report Date: December 05, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001435.1

| Method              | Analyte  | SS80   | SS80   | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |          | -80 Wt | +80 Wt | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     |
| Unit                |          | g      | g      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   |
| MDL                 |          | 0      | 0.01   | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     |
| Pulp Duplicates     |          |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11KJ0409            | Soil     | 92.00  | 620.0  | 0.8   | 15.3  | 11.8  | 77    | <0.1  | 20.0  | 14.5  | 629   | 4.15  | 7.5   | 1.0   | 13.6  | 4.1   | 23    | <0.1  | 0.6   | 0.1   | 66    |
| REP 11KJ0409        | QC       |        |        | 0.8   | 16.1  | 12.1  | 76    | <0.1  | 21.0  | 15.1  | 654   | 4.40  | 7.6   | 1.0   | 16.6  | 4.1   | 24    | <0.1  | 0.6   | 0.1   | 68    |
| 11KJ0427            | Soil     | 48.00  | 492.0  | 0.5   | 9.1   | 6.4   | 91    | <0.1  | 11.8  | 14.9  | 704   | 4.06  | 4.5   | 0.3   | <0.5  | 1.0   | 61    | <0.1  | 0.4   | <0.1  | 92    |
| REP 11KJ0427        | QC       |        |        | 0.5   | 9.1   | 6.4   | 91    | <0.1  | 11.5  | 14.9  | 711   | 4.01  | 4.6   | 0.3   | <0.5  | 0.9   | 61    | <0.1  | 0.5   | <0.1  | 93    |
| 11JM0665            | Soil     | 230.0  | 514.0  | 0.5   | 12.1  | 9.6   | 88    | <0.1  | 13.6  | 13.8  | 935   | 3.81  | 3.6   | 0.6   | 24.6  | 4.7   | 41    | <0.1  | 0.3   | <0.1  | 80    |
| REP 11JM0665        | QC       |        |        | 0.5   | 12.2  | 9.7   | 88    | <0.1  | 13.5  | 13.6  | 931   | 3.71  | 3.8   | 0.6   | 16.1  | 4.7   | 39    | <0.1  | 0.3   | <0.1  | 79    |
| 11JM0686            | Soil     | 282.0  | 620.0  | 0.9   | 10.2  | 10.3  | 57    | <0.1  | 15.3  | 10.4  | 598   | 3.03  | 6.2   | 0.6   | 13.4  | 2.9   | 31    | <0.1  | 0.4   | <0.1  | 55    |
| REP 11JM0686        | QC       |        |        | 0.9   | 11.1  | 10.2  | 57    | <0.1  | 15.5  | 10.5  | 614   | 3.18  | 6.0   | 0.6   | 6.4   | 2.9   | 32    | <0.1  | 0.4   | <0.1  | 56    |
| 11JM0691            | Soil     | 228.0  | 512.0  | 0.6   | 18.6  | 11.4  | 78    | <0.1  | 44.3  | 16.2  | 716   | 4.14  | 6.8   | 0.8   | 1.3   | 4.3   | 59    | <0.1  | 0.8   | 0.2   | 95    |
| REP 11JM0691        | QC       |        |        | 0.6   | 18.3  | 11.6  | 78    | <0.1  | 44.1  | 16.0  | 717   | 4.09  | 7.1   | 0.7   | 1.7   | 4.4   | 59    | <0.1  | 0.8   | 0.2   | 93    |
| 11BH0577            | Soil     | 76.00  | 452.0  | 1.4   | 16.2  | 9.8   | 69    | <0.1  | 20.6  | 11.9  | 557   | 4.15  | 8.1   | 1.0   | 4.8   | 3.7   | 57    | <0.1  | 0.5   | 0.1   | 76    |
| REP 11BH0577        | QC       |        |        | 1.5   | 16.4  | 9.8   | 71    | <0.1  | 21.1  | 12.2  | 558   | 4.25  | 8.2   | 1.1   | 6.3   | 3.8   | 61    | <0.1  | 0.5   | 0.2   | 79    |
| 11BH0598            | Soil     | 140.0  | 592.0  | 0.5   | 59.9  | 4.3   | 136   | <0.1  | 30.1  | 17.1  | 734   | 5.74  | 2.7   | 0.7   | 1.0   | 4.4   | 10    | <0.1  | 0.1   | <0.1  | 119   |
| REP 11BH0598        | QC       |        |        | 0.5   | 59.4  | 3.7   | 130   | <0.1  | 30.5  | 16.7  | 722   | 5.86  | 2.8   | 0.7   | <0.5  | 4.5   | 10    | <0.1  | 0.1   | <0.1  | 120   |
| Reference Materials |          |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS8             | Standard |        |        | 13.0  | 110.7 | 132.9 | 311   | 1.8   | 37.4  | 7.4   | 620   | 2.56  | 27.4  | 3.0   | 113.7 | 6.9   | 71    | 2.3   | 5.9   | 7.3   | 44    |
| STD DS8             | Standard |        |        | 12.9  | 106.0 | 125.6 | 315   | 1.7   | 35.8  | 7.2   | 601   | 2.36  | 26.5  | 2.8   | 108.1 | 6.5   | 68    | 2.4   | 5.6   | 6.8   | 41    |
| STD DS8             | Standard |        |        | 12.4  | 104.6 | 123.2 | 293   | 1.8   | 35.6  | 7.1   | 568   | 2.30  | 25.1  | 2.7   | 119.8 | 6.7   | 58    | 2.2   | 5.2   | 6.2   | 39    |
| STD DS8             | Standard |        |        | 14.0  | 104.4 | 123.2 | 297   | 1.8   | 35.8  | 7.3   | 613   | 2.48  | 26.0  | 2.8   | 112.5 | 7.2   | 68    | 2.2   | 5.4   | 5.6   | 42    |
| STD DS8             | Standard |        |        | 13.9  | 105.3 | 120.1 | 298   | 1.7   | 35.7  | 7.1   | 601   | 2.36  | 25.2  | 3.1   | 102.0 | 7.8   | 71    | 2.4   | 5.9   | 7.2   | 41    |
| STD DS8 Expected    |          |        |        | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  |
| BLK                 | Blank    |        |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    |
| BLK                 | Blank    |        |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    |
| BLK                 | Blank    |        |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    |
| BLK                 | Blank    |        |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    |
| BLK                 | Blank    |        |        | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    |



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Project: Mariposa

Report Date: December 05, 2011

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001435.1

| Method<br>Analyte<br>Unit<br>MDL |          | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|----------------------------------|----------|-------|--------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                                  |          | Ca    | P      | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S      | Ga    | Se    | Te    |
|                                  |          | %     | %      | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                                  |          | 0.01  | 0.001  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.05  | 1      | 0.5   | 0.2   |       |
| Pulp Duplicates                  |          |       |        |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11KJ0409                         | Soil     | 0.29  | 0.087  | 21    | 27    | 0.58   | 440   | 0.022  | 1     | 2.12  | 0.009  | 0.09  | 0.2   | 0.02  | 8.1   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11KJ0409                     | QC       | 0.29  | 0.089  | 21    | 28    | 0.57   | 443   | 0.023  | <1    | 2.19  | 0.009  | 0.09  | 0.2   | 0.03  | 8.4   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| 11KJ0427                         | Soil     | 1.04  | 0.260  | 4     | 20    | 1.48   | 208   | 0.069  | <1    | 2.41  | 0.028  | 0.11  | <0.1  | 0.01  | 6.5   | <0.1  | <0.05  | 10    | <0.5  | <0.2  |
| REP 11KJ0427                     | QC       | 1.06  | 0.249  | 4     | 19    | 1.46   | 212   | 0.063  | <1    | 2.39  | 0.026  | 0.11  | <0.1  | <0.01 | 6.3   | <0.1  | <0.05  | 10    | <0.5  | <0.2  |
| 11JM0665                         | Soil     | 0.66  | 0.141  | 18    | 20    | 1.04   | 231   | 0.062  | <1    | 2.06  | 0.019  | 0.06  | <0.1  | 0.01  | 5.9   | <0.1  | <0.05  | 9     | <0.5  | <0.2  |
| REP 11JM0665                     | QC       | 0.67  | 0.147  | 18    | 21    | 1.02   | 221   | 0.062  | 1     | 1.98  | 0.018  | 0.06  | <0.1  | 0.02  | 5.5   | <0.1  | <0.05  | 9     | <0.5  | <0.2  |
| 11JM0686                         | Soil     | 0.39  | 0.051  | 13    | 24    | 0.56   | 630   | 0.035  | <1    | 1.62  | 0.013  | 0.13  | 0.1   | 0.02  | 4.9   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| REP 11JM0686                     | QC       | 0.39  | 0.054  | 14    | 24    | 0.55   | 653   | 0.034  | <1    | 1.60  | 0.013  | 0.14  | 0.1   | 0.02  | 4.9   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| 11JM0691                         | Soil     | 0.78  | 0.185  | 24    | 70    | 1.26   | 427   | 0.069  | 2     | 2.32  | 0.016  | 0.16  | 0.2   | 0.02  | 8.3   | <0.1  | <0.05  | 9     | <0.5  | <0.2  |
| REP 11JM0691                     | QC       | 0.77  | 0.189  | 24    | 66    | 1.36   | 426   | 0.075  | 3     | 2.38  | 0.017  | 0.15  | 0.2   | 0.02  | 8.7   | <0.1  | 0.07   | 9     | <0.5  | <0.2  |
| 11BH0577                         | Soil     | 0.40  | 0.095  | 16    | 32    | 0.54   | 494   | 0.055  | 2     | 2.02  | 0.012  | 0.13  | 0.1   | 0.02  | 7.5   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| REP 11BH0577                     | QC       | 0.40  | 0.096  | 16    | 34    | 0.55   | 509   | 0.058  | 2     | 2.09  | 0.014  | 0.14  | 0.1   | 0.03  | 7.7   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| 11BH0598                         | Soil     | 0.15  | 0.064  | 11    | 67    | 1.39   | 282   | 0.266  | <1    | 2.90  | 0.009  | 0.91  | <0.1  | <0.01 | 13.0  | 0.3   | <0.05  | 12    | <0.5  | <0.2  |
| REP 11BH0598                     | QC       | 0.16  | 0.061  | 11    | 66    | 1.37   | 283   | 0.274  | <1    | 2.85  | 0.010  | 0.96  | <0.1  | <0.01 | 13.6  | 0.4   | <0.05  | 12    | <0.5  | <0.2  |
| Reference Materials              |          |       |        |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8                          | Standard | 0.69  | 0.084  | 15    | 121   | 0.63   | 268   | 0.125  | 4     | 0.94  | 0.097  | 0.42  | 3.2   | 0.19  | 2.3   | 5.7   | 0.21   | 5     | 5.2   | 4.7   |
| STD DS8                          | Standard | 0.68  | 0.078  | 15    | 114   | 0.59   | 275   | 0.118  | 2     | 0.90  | 0.093  | 0.42  | 3.0   | 0.18  | 2.2   | 5.3   | 0.15   | 5     | 5.0   | 4.5   |
| STD DS8                          | Standard | 0.67  | 0.078  | 14    | 114   | 0.60   | 263   | 0.105  | 3     | 0.89  | 0.085  | 0.40  | 2.8   | 0.19  | 2.2   | 5.2   | 0.23   | 4     | 4.7   | 4.7   |
| STD DS8                          | Standard | 0.72  | 0.083  | 17    | 123   | 0.62   | 274   | 0.119  | 3     | 0.96  | 0.091  | 0.41  | 2.8   | 0.20  | 2.4   | 5.5   | 0.21   | 5     | 4.9   | 4.8   |
| STD DS8                          | Standard | 0.69  | 0.074  | 17    | 116   | 0.59   | 272   | 0.126  | 2     | 0.93  | 0.095  | 0.43  | 3.0   | 0.18  | 2.3   | 5.3   | 0.16   | 5     | 5.5   | 4.5   |
| STD DS8 Expected                 |          | 0.7   | 0.08   | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                              | Blank    | <0.01 | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                              | Blank    | <0.01 | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                              | Blank    | <0.01 | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                              | Blank    | <0.01 | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                              | Blank    | <0.01 | <0.001 | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: September 17, 2011

Report Date: November 10, 2011

Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001442.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS42  
P.O. Number  
Number of Samples: 25

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 25                | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 25                | Dry at 60C                                 |              |               | WHI |
| RJSV        | 25                | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 25                | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: November 10, 2011

Page: 2 of 2 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001442.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11GR0003 | Soil                             | 0.6        | 15.2       | 7.3        | 77       | <0.1       | 14.7       | 12.8       | 567      | 3.01      | 5.6        | 0.9        | 5.3        | 3.0        | 41       | <0.1       | 0.4        | 0.2        | 65       | 0.70      |
| 11GR0004 | Soil                             | 0.4        | 16.6       | 5.1        | 91       | <0.1       | 13.9       | 12.4       | 803      | 3.82      | 22.2       | 0.8        | 9.3        | 3.1        | 41       | <0.1       | 1.2        | 0.1        | 83       | 0.81      |
| 11GR0008 | Soil                             | 0.6        | 11.6       | 13.1       | 68       | <0.1       | 15.5       | 10.5       | 597      | 2.66      | 6.9        | 0.8        | 114.9      | 4.0        | 33       | <0.1       | 0.5        | 0.2        | 58       | 0.49      |
| 11GR0009 | Soil                             | 0.4        | 9.9        | 5.5        | 68       | <0.1       | 12.4       | 11.1       | 514      | 2.88      | 6.2        | 0.8        | 27.0       | 2.9        | 36       | <0.1       | 0.4        | 0.1        | 66       | 0.64      |
| 11GR0019 | Soil                             | 0.4        | 9.9        | 6.7        | 69       | <0.1       | 12.7       | 11.0       | 375      | 3.04      | 5.6        | 1.0        | 57.3       | 2.6        | 40       | <0.1       | 0.5        | 0.2        | 72       | 0.73      |
| 11GR0020 | Soil                             | 0.5        | 16.0       | 8.8        | 66       | <0.1       | 16.9       | 10.7       | 375      | 2.91      | 6.1        | 1.0        | 27.7       | 4.0        | 36       | <0.1       | 0.5        | 0.2        | 66       | 0.52      |
| 11GR0021 | Soil                             | 0.5        | 15.0       | 7.6        | 64       | <0.1       | 16.2       | 9.7        | 363      | 2.76      | 6.2        | 0.9        | 167.1      | 3.4        | 37       | <0.1       | 0.4        | 0.2        | 66       | 0.46      |
| 11GR0022 | Soil                             | 0.4        | 11.2       | 6.7        | 75       | <0.1       | 11.3       | 9.8        | 529      | 3.26      | 4.1        | 0.6        | 293.8      | 3.4        | 31       | <0.1       | 0.6        | 0.1        | 67       | 0.53      |
| 11GR0023 | Soil                             | 0.7        | 9.3        | 13.1       | 59       | <0.1       | 14.2       | 9.0        | 552      | 2.53      | 4.7        | 0.6        | 450.1      | 3.5        | 22       | <0.1       | 0.5        | 0.2        | 55       | 0.28      |
| 11GR0024 | Soil                             | 0.8        | 9.5        | 8.5        | 46       | <0.1       | 16.3       | 6.3        | 275      | 2.11      | 5.4        | 0.4        | 8.8        | 2.0        | 16       | <0.1       | 0.3        | 0.2        | 62       | 0.15      |
| 11GR0025 | Soil                             | 0.6        | 9.0        | 6.6        | 64       | <0.1       | 15.8       | 8.8        | 396      | 2.98      | 4.3        | 0.5        | 42.7       | 3.3        | 21       | <0.1       | 0.3        | 0.1        | 55       | 0.23      |
| 11GR0026 | Soil                             | 0.6        | 17.1       | 6.2        | 51       | <0.1       | 15.3       | 7.8        | 337      | 2.63      | 4.3        | 0.7        | 25.2       | 3.0        | 39       | <0.1       | 0.4        | 0.1        | 65       | 0.48      |
| 11GR0027 | Soil                             | 0.7        | 45.2       | 8.8        | 54       | <0.1       | 16.9       | 9.6        | 319      | 2.71      | 6.1        | 0.8        | 17.7       | 3.5        | 33       | <0.1       | 0.5        | 0.2        | 61       | 0.38      |
| 11GR0028 | Soil                             | 0.5        | 20.6       | 7.3        | 48       | <0.1       | 14.3       | 7.6        | 244      | 2.23      | 4.5        | 0.7        | 8.0        | 4.0        | 31       | <0.1       | 0.5        | 0.1        | 48       | 0.40      |
| 11GR0029 | Soil                             | 0.4        | 16.6       | 6.6        | 67       | <0.1       | 13.4       | 9.0        | 570      | 2.78      | 4.5        | 1.1        | 10.5       | 6.4        | 39       | <0.1       | 0.5        | 0.1        | 56       | 0.63      |
| 11GR0035 | Soil                             | 0.7        | 29.5       | 8.9        | 72       | <0.1       | 23.0       | 11.2       | 498      | 3.17      | 5.3        | 1.2        | 28.9       | 4.8        | 51       | 0.1        | 0.7        | 0.2        | 72       | 0.70      |
| 11GR0038 | Soil                             | 0.6        | 23.3       | 9.5        | 78       | <0.1       | 21.6       | 11.4       | 515      | 3.28      | 4.1        | 1.2        | 10.7       | 5.3        | 50       | <0.1       | 0.5        | 0.2        | 73       | 0.75      |
| 11GR0040 | Soil                             | 0.5        | 30.5       | 10.8       | 66       | 0.1        | 22.5       | 9.9        | 577      | 2.50      | 4.1        | 1.9        | 9.0        | 2.6        | 71       | 0.2        | 0.5        | 0.5        | 55       | 1.22      |
| 11GR0041 | Soil                             | 0.5        | 20.0       | 12.8       | 59       | <0.1       | 18.0       | 9.8        | 510      | 2.35      | 4.5        | 1.6        | 4.9        | 3.8        | 44       | 0.1        | 0.5        | 0.3        | 51       | 0.63      |
| 11GR0044 | Soil                             | 0.5        | 15.9       | 5.5        | 71       | <0.1       | 19.0       | 8.8        | 453      | 2.81      | 4.1        | 0.9        | 10.5       | 5.8        | 46       | 0.1        | 0.6        | <0.1       | 55       | 0.71      |
| 11GR0046 | Soil                             | 0.7        | 14.0       | 6.5        | 55       | <0.1       | 21.0       | 9.7        | 433      | 2.82      | 5.3        | 0.7        | 2.3        | 3.7        | 32       | <0.1       | 0.4        | 0.2        | 62       | 0.42      |
| 11GR0047 | Soil                             | 0.6        | 25.5       | 7.2        | 64       | <0.1       | 25.3       | 11.6       | 566      | 3.15      | 4.9        | 1.2        | 4.4        | 4.2        | 50       | <0.1       | 0.5        | 0.2        | 75       | 0.93      |
| 11GR0048 | Soil                             | 0.7        | 26.2       | 7.6        | 69       | <0.1       | 27.2       | 13.0       | 679      | 3.44      | 5.3        | 1.0        | 4.0        | 4.4        | 45       | 0.1        | 0.5        | 0.2        | 83       | 0.74      |
| 11GR0050 | Soil                             | 0.7        | 23.8       | 8.6        | 79       | <0.1       | 20.4       | 11.1       | 524      | 3.68      | 4.3        | 0.6        | 76.8       | 4.5        | 48       | <0.1       | 0.5        | 0.1        | 78       | 0.79      |
| 11GR0052 | Soil                             | 0.7        | 19.1       | 7.9        | 66       | <0.1       | 18.1       | 13.7       | 642      | 3.19      | 4.6        | 0.9        | 23.1       | 3.4        | 51       | <0.1       | 0.5        | 0.2        | 70       | 0.73      |





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Project: Mariposa  
Report Date: November 10, 2011

Page: 2 of 2 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001442.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11GR0003 | Soil                             | 16    | 22    | 0.62  | 631   | 0.047 | 2     | 1.67  | 0.016 | 0.07  | 0.2   | 0.04  | 6.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11GR0004 | Soil                             | 14    | 18    | 1.13  | 402   | 0.069 | 2     | 1.78  | 0.020 | 0.08  | <0.1  | 0.03  | 8.0   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11GR0008 | Soil                             | 17    | 23    | 0.58  | 417   | 0.041 | 1     | 1.64  | 0.012 | 0.06  | 0.2   | 0.03  | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11GR0009 | Soil                             | 13    | 19    | 0.74  | 349   | 0.086 | 1     | 1.52  | 0.017 | 0.08  | 0.2   | 0.02  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11GR0019 | Soil                             | 12    | 20    | 0.70  | 357   | 0.059 | 2     | 1.59  | 0.018 | 0.05  | 0.2   | 0.03  | 5.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11GR0020 | Soil                             | 13    | 27    | 0.66  | 401   | 0.067 | <1    | 1.68  | 0.019 | 0.06  | 0.1   | 0.05  | 5.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11GR0021 | Soil                             | 18    | 25    | 0.69  | 364   | 0.075 | 1     | 1.69  | 0.017 | 0.04  | 0.2   | 0.03  | 5.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11GR0022 | Soil                             | 19    | 18    | 0.71  | 449   | 0.036 | 1     | 1.49  | 0.012 | 0.07  | 0.2   | 0.03  | 5.0   | <0.1  | <0.05 | 6     | <0.5  | 0.3   |
| 11GR0023 | Soil                             | 14    | 24    | 0.52  | 310   | 0.026 | <1    | 1.63  | 0.009 | 0.05  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | 0.3   |
| 11GR0024 | Soil                             | 12    | 38    | 0.56  | 147   | 0.050 | <1    | 1.31  | 0.009 | 0.04  | 0.1   | 0.02  | 3.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11GR0025 | Soil                             | 8     | 23    | 0.68  | 257   | 0.025 | <1    | 1.89  | 0.008 | 0.10  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11GR0026 | Soil                             | 19    | 27    | 0.63  | 536   | 0.051 | <1    | 1.72  | 0.012 | 0.06  | 0.1   | <0.01 | 4.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11GR0027 | Soil                             | 18    | 27    | 0.60  | 393   | 0.053 | <1    | 1.68  | 0.013 | 0.06  | 0.1   | 0.02  | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11GR0028 | Soil                             | 17    | 23    | 0.48  | 403   | 0.043 | <1    | 1.49  | 0.013 | 0.06  | 0.1   | 0.02  | 3.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11GR0029 | Soil                             | 30    | 21    | 0.67  | 461   | 0.043 | <1    | 1.56  | 0.017 | 0.08  | 0.1   | 0.03  | 7.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11GR0035 | Soil                             | 23    | 33    | 0.94  | 396   | 0.104 | <1    | 1.99  | 0.023 | 0.08  | 0.1   | 0.04  | 7.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11GR0038 | Soil                             | 24    | 35    | 1.06  | 374   | 0.136 | <1    | 2.31  | 0.024 | 0.09  | 0.1   | 0.04  | 7.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11GR0040 | Soil                             | 37    | 26    | 0.67  | 569   | 0.043 | <1    | 1.64  | 0.019 | 0.06  | 0.1   | 0.05  | 6.3   | <0.1  | 0.09  | 6     | 0.6   | <0.2  |
| 11GR0041 | Soil                             | 25    | 26    | 0.61  | 479   | 0.050 | <1    | 1.51  | 0.017 | 0.06  | 0.1   | 0.07  | 5.6   | <0.1  | 0.06  | 5     | <0.5  | <0.2  |
| 11GR0044 | Soil                             | 24    | 26    | 0.74  | 405   | 0.054 | 1     | 1.48  | 0.017 | 0.07  | 0.2   | 0.04  | 5.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11GR0046 | Soil                             | 19    | 40    | 0.76  | 392   | 0.074 | <1    | 1.95  | 0.015 | 0.06  | 0.1   | 0.03  | 5.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11GR0047 | Soil                             | 26    | 40    | 0.90  | 465   | 0.092 | <1    | 1.86  | 0.020 | 0.09  | 0.1   | 0.04  | 8.2   | <0.1  | 0.05  | 7     | <0.5  | <0.2  |
| 11GR0048 | Soil                             | 25    | 44    | 1.02  | 495   | 0.111 | <1    | 2.09  | 0.018 | 0.08  | 0.2   | 0.03  | 8.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11GR0050 | Soil                             | 18    | 34    | 1.00  | 555   | 0.106 | <1    | 1.89  | 0.020 | 0.11  | 0.1   | 0.02  | 7.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11GR0052 | Soil                             | 15    | 27    | 0.86  | 376   | 0.095 | <1    | 1.73  | 0.020 | 0.05  | 0.2   | 0.04  | 5.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |



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Project: Mariposa

Report Date: November 10, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001442.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11GR0027            | Soil                             | 0.7   | 45.2  | 8.8   | 54    | <0.1  | 16.9  | 9.6   | 319   | 2.71  | 6.1   | 0.8   | 17.7  | 3.5   | 33    | <0.1  | 0.5   | 0.2   | 61    | 0.38  | 0.062  |
| REP 11GR0027        | QC                               | 0.7   | 44.4  | 8.6   | 53    | <0.1  | 17.1  | 9.5   | 320   | 2.67  | 5.8   | 0.8   | 10.5  | 3.5   | 32    | <0.1  | 0.5   | 0.2   | 60    | 0.36  | 0.061  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 14.0  | 110.0 | 126.0 | 318   | 1.8   | 38.2  | 7.8   | 589   | 2.41  | 23.9  | 3.2   | 114.5 | 7.4   | 77    | 2.3   | 6.1   | 9.0   | 43    | 0.70  | 0.081  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: September 17, 2011

Report Date: November 20, 2011

Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001444.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS41  
P.O. Number  
Number of Samples: 27

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
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Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 27                | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 27                | Dry at 60C                                            |              |               | WHI |
| RJSV        | 27                | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F02        | 27                | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: November 20, 2011

Page: 2 of 2 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001444.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb   | Zn   | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01 | 0.1  | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11GR0001A | Soil                             | 0.86 | 20.47 | 4.64 | 35.5 | 89   | 11.2 | 8.8  | 2044 | 1.78 | 4.3  | 1.1  | 14.3 | 0.8  | 89.3  | 0.19 | 0.51 | 0.10 | 29   | 2.28 |
| 11GR0002A | Soil                             | 0.49 | 25.00 | 4.43 | 39.2 | 107  | 10.4 | 6.6  | 1050 | 1.44 | 2.8  | 2.0  | 9.2  | 0.5  | 81.1  | 0.28 | 0.62 | 0.08 | 27   | 2.44 |
| 11GR0005A | Soil                             | 0.49 | 22.21 | 6.82 | 70.5 | 99   | 14.8 | 8.3  | 536  | 2.31 | 4.0  | 1.1  | 20.0 | 1.6  | 94.5  | 0.17 | 0.62 | 0.14 | 48   | 1.99 |
| 11GR0006A | Soil                             | 0.48 | 19.54 | 6.24 | 40.5 | 113  | 10.5 | 5.0  | 380  | 1.57 | 2.7  | 0.9  | 70.1 | 1.1  | 110.4 | 0.13 | 0.36 | 0.10 | 32   | 2.64 |
| 11GR0007A | Soil                             | 0.40 | 24.88 | 3.36 | 19.2 | 162  | 6.3  | 3.1  | 137  | 1.09 | 1.4  | 1.2  | 45.7 | 0.4  | 150.3 | 0.08 | 0.36 | 0.08 | 20   | 2.40 |
| 11GR0010A | Soil                             | 0.79 | 48.16 | 5.05 | 38.7 | 232  | 12.7 | 7.6  | 1769 | 1.69 | 2.6  | 2.5  | 17.9 | 0.7  | 86.9  | 0.36 | 1.32 | 0.11 | 27   | 2.49 |
| 11GR0011A | Soil                             | 0.47 | 22.46 | 6.90 | 50.0 | 128  | 12.8 | 7.8  | 511  | 2.02 | 3.6  | 1.2  | 18.5 | 1.2  | 86.4  | 0.12 | 0.43 | 0.11 | 43   | 2.01 |
| 11GR0012A | Soil                             | 0.42 | 25.98 | 1.86 | 37.3 | 101  | 8.0  | 3.1  | 553  | 0.74 | 1.1  | 1.0  | 12.2 | 0.3  | 143.0 | 0.35 | 0.50 | 0.06 | 9    | 4.16 |
| 11GR0013A | Soil                             | 0.38 | 19.80 | 3.37 | 36.5 | 94   | 9.7  | 5.6  | 630  | 1.45 | 1.9  | 1.4  | 10.3 | 0.5  | 92.6  | 0.23 | 0.53 | 0.07 | 26   | 2.46 |
| 11GR0014A | Soil                             | 0.92 | 13.10 | 3.80 | 32.2 | 71   | 8.0  | 13.2 | 1835 | 2.12 | 6.6  | 0.7  | 7.9  | 0.4  | 102.6 | 0.29 | 0.33 | 0.07 | 37   | 2.77 |
| 11GR0015A | Soil                             | 0.70 | 19.41 | 4.19 | 34.6 | 80   | 11.3 | 5.9  | 880  | 1.55 | 2.8  | 0.8  | 10.9 | 0.5  | 107.8 | 0.16 | 0.40 | 0.08 | 29   | 2.87 |
| 11GR0016A | Soil                             | 0.77 | 28.32 | 4.70 | 39.1 | 94   | 15.3 | 7.5  | 1885 | 1.87 | 2.8  | 1.9  | 22.8 | 0.8  | 98.3  | 0.22 | 0.56 | 0.08 | 30   | 2.64 |
| 11GR0017A | Soil                             | 0.47 | 31.40 | 2.65 | 16.7 | 113  | 11.9 | 5.4  | 1141 | 0.97 | 1.4  | 4.7  | 20.9 | 0.7  | 112.5 | 0.11 | 0.64 | 0.05 | 15   | 3.73 |
| 11GR0018A | Soil                             | 0.15 | 21.93 | 6.10 | 57.2 | 101  | 15.3 | 7.0  | 243  | 1.87 | 2.1  | 2.0  | 24.0 | 3.0  | 60.2  | 0.29 | 0.49 | 0.11 | 35   | 1.88 |
| 11GR0031A | Soil                             | 0.70 | 20.74 | 5.85 | 43.0 | 100  | 11.7 | 9.1  | 1716 | 2.24 | 4.7  | 1.4  | 10.7 | 1.1  | 126.2 | 0.23 | 0.39 | 0.12 | 44   | 2.52 |
| 11GR0032A | Soil                             | 1.13 | 20.29 | 3.57 | 38.6 | 81   | 12.0 | 11.5 | 2653 | 1.64 | 4.3  | 0.7  | 8.0  | 0.6  | 139.7 | 0.27 | 0.40 | 0.09 | 28   | 2.87 |
| 11GR0033A | Soil                             | 0.80 | 24.52 | 2.34 | 18.1 | 126  | 11.9 | 4.6  | 829  | 0.97 | 1.9  | 0.7  | 9.6  | 0.5  | 131.1 | 0.20 | 0.76 | 0.08 | 18   | 2.96 |
| 11GR0034A | Soil                             | 0.63 | 21.94 | 4.67 | 27.6 | 138  | 12.9 | 5.0  | 344  | 1.54 | 2.1  | 0.9  | 19.4 | 0.6  | 111.9 | 0.09 | 0.60 | 0.09 | 28   | 2.22 |
| 11GR0036A | Soil                             | 0.64 | 20.28 | 5.77 | 59.5 | 66   | 14.8 | 9.9  | 728  | 2.21 | 4.0  | 0.8  | 5.2  | 1.6  | 84.8  | 0.20 | 0.37 | 0.10 | 51   | 2.01 |
| 11GR0037A | Soil                             | 0.84 | 24.84 | 4.13 | 35.8 | 103  | 15.1 | 9.5  | 1231 | 1.72 | 2.7  | 0.8  | 7.0  | 0.7  | 97.6  | 0.19 | 0.37 | 0.26 | 38   | 2.32 |
| 11GR0039A | Soil                             | 0.50 | 14.99 | 4.30 | 37.3 | 76   | 9.9  | 5.3  | 316  | 1.56 | 2.1  | 0.6  | 8.1  | 1.0  | 114.4 | 0.20 | 0.42 | 0.16 | 32   | 2.87 |
| 11GR0049A | Soil                             | 0.50 | 31.23 | 3.81 | 26.5 | 186  | 15.3 | 3.9  | 205  | 1.37 | 1.6  | 0.8  | 22.3 | 1.0  | 121.5 | 0.14 | 0.55 | 0.09 | 22   | 3.17 |
| 11GR0051A | Soil                             | 0.53 | 37.06 | 5.21 | 38.8 | 140  | 26.2 | 8.7  | 601  | 2.39 | 3.4  | 1.3  | 10.7 | 1.8  | 84.0  | 0.08 | 0.94 | 0.11 | 41   | 1.60 |
| 11GR0053A | Soil                             | 1.51 | 21.46 | 3.63 | 21.5 | 141  | 11.7 | 6.2  | 1104 | 1.15 | 2.1  | 0.7  | 9.2  | 0.3  | 112.4 | 0.27 | 0.93 | 0.08 | 19   | 2.26 |
| 11GR0054A | Soil                             | 0.49 | 18.36 | 2.78 | 23.1 | 71   | 9.4  | 3.9  | 280  | 1.20 | 2.7  | 1.6  | 3.6  | 0.3  | 124.3 | 0.17 | 0.37 | 0.09 | 25   | 3.56 |
| 11GR0055A | Soil                             | 0.44 | 17.38 | 2.47 | 15.4 | 79   | 6.6  | 3.3  | 322  | 0.83 | 2.3  | 1.0  | 6.2  | 0.2  | 255.7 | 0.10 | 0.37 | 0.06 | 16   | 3.97 |
| 11GR0030A | Soil                             | 0.36 | 30.34 | 2.88 | 17.5 | 116  | 13.2 | 5.1  | 822  | 1.04 | 2.0  | 3.4  | 15.4 | 0.7  | 179.5 | 0.22 | 0.70 | 0.06 | 17   | 4.36 |



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Project: Mariposa  
Report Date: November 20, 2011

Page: 2 of 2 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001444.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11GR0001A | Soil                             | 12.5 | 16.1 | 0.32 | 1224  | 0.021 | 3    | 0.97 | 0.020 | 0.04 | <0.1 | 2.8  | 0.05 | 0.12 | 85   | 0.6  | 0.03  |
| 11GR0002A | Soil                             | 20.4 | 13.7 | 0.27 | 1127  | 0.013 | 4    | 0.91 | 0.013 | 0.06 | <0.1 | 3.1  | 0.06 | 0.11 | 73   | 0.4  | 0.03  |
| 11GR0005A | Soil                             | 15.2 | 22.5 | 0.65 | 631.0 | 0.042 | 3    | 1.45 | 0.017 | 0.07 | 0.1  | 4.2  | 0.08 | 0.08 | 59   | 0.3  | 0.07  |
| 11GR0006A | Soil                             | 29.6 | 16.2 | 0.37 | 718.3 | 0.024 | 3    | 1.24 | 0.014 | 0.06 | <0.1 | 3.2  | 0.06 | 0.12 | 68   | 0.3  | 0.20  |
| 11GR0007A | Soil                             | 33.6 | 12.9 | 0.21 | 727.2 | 0.012 | 2    | 0.80 | 0.011 | 0.03 | <0.1 | 2.0  | 0.05 | 0.11 | 93   | 0.2  | 0.06  |
| 11GR0010A | Soil                             | 33.8 | 15.8 | 0.26 | 1431  | 0.012 | 2    | 1.16 | 0.013 | 0.05 | 0.1  | 4.6  | 0.08 | 0.10 | 124  | 0.2  | 0.07  |
| 11GR0011A | Soil                             | 14.9 | 20.5 | 0.45 | 813.4 | 0.031 | 1    | 1.42 | 0.017 | 0.04 | 0.1  | 4.4  | 0.07 | 0.08 | 98   | 0.4  | 0.06  |
| 11GR0012A | Soil                             | 19.9 | 7.8  | 0.19 | 1324  | 0.008 | 5    | 0.57 | 0.013 | 0.02 | <0.1 | 2.3  | 0.04 | 0.16 | 86   | 0.3  | 0.03  |
| 11GR0013A | Soil                             | 18.3 | 12.0 | 0.30 | 1148  | 0.017 | 2    | 0.89 | 0.013 | 0.04 | 0.1  | 2.6  | 0.04 | 0.08 | 67   | 0.3  | 0.02  |
| 11GR0014A | Soil                             | 6.6  | 10.1 | 0.25 | 1124  | 0.014 | 4    | 0.59 | 0.014 | 0.04 | 0.1  | 1.8  | 0.04 | 0.13 | 46   | 0.4  | 0.02  |
| 11GR0015A | Soil                             | 9.7  | 14.7 | 0.34 | 816.3 | 0.020 | 3    | 1.06 | 0.017 | 0.04 | <0.1 | 1.9  | 0.06 | 0.13 | 53   | 0.5  | 0.03  |
| 11GR0016A | Soil                             | 27.6 | 15.1 | 0.38 | 1111  | 0.017 | 3    | 1.25 | 0.016 | 0.05 | <0.1 | 3.4  | 0.06 | 0.13 | 124  | 0.6  | 0.05  |
| 11GR0017A | Soil                             | 65.7 | 9.4  | 0.19 | 1555  | 0.009 | 3    | 0.81 | 0.014 | 0.03 | <0.1 | 2.8  | 0.04 | 0.14 | 124  | 0.5  | 0.03  |
| 11GR0018A | Soil                             | 23.2 | 20.6 | 0.45 | 799.3 | 0.028 | 1    | 1.31 | 0.016 | 0.06 | 0.1  | 4.9  | 0.06 | 0.07 | 80   | 0.5  | 0.04  |
| 11GR0031A | Soil                             | 19.9 | 18.9 | 0.38 | 741.7 | 0.022 | 3    | 1.07 | 0.016 | 0.04 | <0.1 | 3.5  | 0.07 | 0.11 | 86   | 0.5  | <0.02 |
| 11GR0032A | Soil                             | 9.1  | 14.4 | 0.34 | 757.3 | 0.019 | 4    | 0.84 | 0.016 | 0.03 | <0.1 | 1.9  | 0.05 | 0.13 | 64   | 0.4  | <0.02 |
| 11GR0033A | Soil                             | 15.7 | 12.1 | 0.31 | 627.7 | 0.023 | 4    | 0.74 | 0.018 | 0.03 | <0.1 | 2.0  | 0.06 | 0.14 | 94   | 0.5  | <0.02 |
| 11GR0034A | Soil                             | 20.8 | 16.5 | 0.40 | 514.3 | 0.026 | 2    | 1.09 | 0.014 | 0.04 | 0.1  | 2.6  | 0.04 | 0.09 | 82   | 0.5  | 0.03  |
| 11GR0036A | Soil                             | 12.1 | 24.3 | 0.68 | 510.9 | 0.064 | 2    | 1.41 | 0.020 | 0.07 | 0.1  | 4.4  | 0.06 | 0.08 | 63   | 0.4  | 0.03  |
| 11GR0037A | Soil                             | 13.2 | 19.8 | 0.50 | 521.7 | 0.035 | 3    | 1.06 | 0.018 | 0.05 | <0.1 | 3.4  | 0.05 | 0.13 | 88   | 0.6  | 0.02  |
| 11GR0039A | Soil                             | 9.2  | 17.0 | 0.49 | 482.8 | 0.042 | 3    | 1.15 | 0.019 | 0.05 | <0.1 | 3.0  | 0.07 | 0.10 | 59   | 0.2  | 0.03  |
| 11GR0049A | Soil                             | 32.5 | 17.4 | 0.32 | 1365  | 0.018 | 2    | 1.15 | 0.013 | 0.04 | <0.1 | 4.0  | 0.06 | 0.11 | 84   | 0.5  | <0.02 |
| 11GR0051A | Soil                             | 27.0 | 28.9 | 0.54 | 956.0 | 0.044 | 2    | 1.46 | 0.016 | 0.04 | 0.1  | 4.9  | 0.07 | 0.09 | 107  | 0.8  | 0.03  |
| 11GR0053A | Soil                             | 10.8 | 15.1 | 0.29 | 492.9 | 0.020 | 5    | 0.66 | 0.016 | 0.03 | 0.1  | 1.6  | 0.06 | 0.17 | 97   | 0.8  | <0.02 |
| 11GR0054A | Soil                             | 9.4  | 13.7 | 0.29 | 588.1 | 0.017 | 4    | 0.96 | 0.012 | 0.03 | <0.1 | 2.0  | 0.04 | 0.13 | 74   | 0.7  | <0.02 |
| 11GR0055A | Soil                             | 17.5 | 11.2 | 0.25 | 901.5 | 0.009 | 5    | 0.62 | 0.014 | 0.02 | <0.1 | 1.9  | 0.05 | 0.18 | 69   | 0.6  | 0.02  |
| 11GR0030A | Soil                             | 34.4 | 12.4 | 0.25 | 1202  | 0.012 | 4    | 0.78 | 0.013 | 0.02 | <0.1 | 2.1  | 0.05 | 0.14 | 117  | 0.4  | 0.03  |



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Project: Mariposa

Report Date: November 20, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001444.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15  |
|---------------------|----------------------------------|-------|-------|-------|-------|------|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|------|-------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe    | As   | U    | Au    | Th   | Sr   | Cd    | Sb    | Bi    | V    | Ca    |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %     | ppm  | ppm  | ppb   | ppm  | ppm  | ppm   | ppm   | ppm   | ppm  | %     |
|                     |                                  | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01  | 0.1  | 0.1  | 0.2   | 0.1  | 0.5  | 0.01  | 0.02  | 0.02  | 2    | 0.01  |
| Pulp Duplicates     |                                  |       |       |       |       |      |      |      |      |       |      |      |       |      |      |       |       |       |      |       |
| 11GR0018A           | Soil                             | 0.15  | 21.93 | 6.10  | 57.2  | 101  | 15.3 | 7.0  | 243  | 1.87  | 2.1  | 2.0  | 24.0  | 3.0  | 60.2 | 0.29  | 0.49  | 0.11  | 35   | 1.88  |
| REP 11GR0018A       | QC                               | 0.18  | 22.59 | 6.42  | 60.8  | 90   | 16.0 | 7.4  | 248  | 2.02  | 2.3  | 2.1  | 36.3  | 3.1  | 63.9 | 0.27  | 0.52  | 0.14  | 38   | 1.92  |
| Reference Materials |                                  |       |       |       |       |      |      |      |      |       |      |      |       |      |      |       |       |       |      |       |
| STD DS8             | Standard                         | 13.29 | 107.6 | 129.0 | 306.7 | 1898 | 36.1 | 7.2  | 585  | 2.49  | 23.4 | 2.9  | 115.5 | 7.3  | 66.4 | 2.20  | 5.17  | 6.01  | 40   | 0.71  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1690 | 38.1 | 7.5  | 615  | 2.46  | 26   | 2.8  | 107   | 6.89 | 67.7 | 2.38  | 5.7   | 6.67  | 41.1 | 0.7   |
| BLK                 | Blank                            | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   | <0.01 |



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**Project:** Mariposa  
**Report Date:** November 20, 2011

**Page:** 1 of 1 **Part** 2

## QUALITY CONTROL REPORT

WHI11001444.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15   | 1F15  | 1F15   | 1F15 | 1F15  | 1F15   | 1F15  | 1F15 | 1F15 | 1F15  | 1F15   | 1F15 | 1F15 | 1F15  | 1F15 |
|---------------------|----------------------------------|------|-------|--------|-------|--------|------|-------|--------|-------|------|------|-------|--------|------|------|-------|------|
|                     |                                  | La   | Cr    | Mg     | Ba    | Ti     | B    | Al    | Na     | K     | W    | Sc   | Tl    | S      | Hg   | Se   | Te    | Ga   |
|                     |                                  | ppm  | ppm   | %      | ppm   | %      | ppm  | %     | %      | %     | ppm  | ppm  | ppm   | %      | ppb  | ppm  | ppm   | ppm  |
|                     |                                  | 0.5  | 0.5   | 0.01   | 0.5   | 0.001  | 1    | 0.01  | 0.001  | 0.01  | 0.1  | 0.1  | 0.02  | 0.02   | 5    | 0.1  | 0.02  | 0.1  |
|                     |                                  |      |       |        |       |        |      |       |        |       |      |      |       |        |      |      |       |      |
| Pulp Duplicates     |                                  |      |       |        |       |        |      |       |        |       |      |      |       |        |      |      |       |      |
| 11GR0018A           | Soil                             | 23.2 | 20.6  | 0.45   | 799.3 | 0.028  | 1    | 1.31  | 0.016  | 0.06  | 0.1  | 4.9  | 0.06  | 0.07   | 80   | 0.5  | 0.04  | 4.1  |
| REP 11GR0018A       | QC                               | 24.7 | 22.2  | 0.47   | 846.4 | 0.032  | 2    | 1.37  | 0.018  | 0.06  | 0.1  | 5.3  | 0.07  | 0.07   | 94   | 0.5  | 0.03  | 4.5  |
| Reference Materials |                                  |      |       |        |       |        |      |       |        |       |      |      |       |        |      |      |       |      |
| STD DS8             | Standard                         | 16.8 | 126.5 | 0.61   | 277.2 | 0.115  | 3    | 0.91  | 0.089  | 0.42  | 3.0  | 2.3  | 5.67  | 0.16   | 207  | 5.1  | 5.05  | 4.6  |
| STD DS8 Expected    |                                  | 14.6 | 115   | 0.6045 | 279   | 0.113  | 2.6  | 0.93  | 0.0883 | 0.41  | 3    | 2.3  | 5.4   | 0.1679 | 192  | 5.23 | 5     | 4.7  |
| BLK                 | Blank                            | <0.5 | <0.5  | <0.01  | <0.5  | <0.001 | <1   | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02  | <5   | <0.1 | <0.02 | <0.1 |



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**Project:** Mariposa

**Report Date:** November 10, 2011

**Page:** 1 of 1 **Part** 2

## QUALITY CONTROL REPORT

WHI11001442.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11GR0027            | Soil                             | 18    | 27    | 0.60   | 393   | 0.053  | <1    | 1.68  | 0.013  | 0.06  | 0.1   | 0.02  | 4.4   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| REP 11GR0027        | QC                               | 18    | 27    | 0.59   | 393   | 0.052  | <1    | 1.70  | 0.013  | 0.05  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 19    | 117   | 0.59   | 273   | 0.131  | 3     | 0.88  | 0.082  | 0.38  | 2.8   | 0.21  | 2.6   | 5.4   | 0.19   | 5     | 4.8   | 4.8   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |





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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: September 17, 2011

Report Date: November 20, 2011

Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001444.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS41  
P.O. Number  
Number of Samples: 27

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 27                | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 27                | Dry at 60C                                            |              |               | WHI |
| RJSV        | 27                | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F02        | 27                | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: November 20, 2011

Page: 2 of 2 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001444.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|
|           |                                  | Mo   | Cu    | Pb   | Zn   | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   | P     |
|           |                                  | ppm  | ppm   | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    | %     |
|           |                                  | 0.01 | 0.01  | 0.01 | 0.1  | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 | 0.001 |
| 11GR0001A | Soil                             | 0.86 | 20.47 | 4.64 | 35.5 | 89   | 11.2 | 8.8  | 2044 | 1.78 | 4.3  | 1.1  | 14.3 | 0.8  | 89.3  | 0.19 | 0.51 | 0.10 | 29   | 2.28 | 0.103 |
| 11GR0002A | Soil                             | 0.49 | 25.00 | 4.43 | 39.2 | 107  | 10.4 | 6.6  | 1050 | 1.44 | 2.8  | 2.0  | 9.2  | 0.5  | 81.1  | 0.28 | 0.62 | 0.08 | 27   | 2.44 | 0.084 |
| 11GR0005A | Soil                             | 0.49 | 22.21 | 6.82 | 70.5 | 99   | 14.8 | 8.3  | 536  | 2.31 | 4.0  | 1.1  | 20.0 | 1.6  | 94.5  | 0.17 | 0.62 | 0.14 | 48   | 1.99 | 0.081 |
| 11GR0006A | Soil                             | 0.48 | 19.54 | 6.24 | 40.5 | 113  | 10.5 | 5.0  | 380  | 1.57 | 2.7  | 0.9  | 70.1 | 1.1  | 110.4 | 0.13 | 0.36 | 0.10 | 32   | 2.64 | 0.104 |
| 11GR0007A | Soil                             | 0.40 | 24.88 | 3.36 | 19.2 | 162  | 6.3  | 3.1  | 137  | 1.09 | 1.4  | 1.2  | 45.7 | 0.4  | 150.3 | 0.08 | 0.36 | 0.08 | 20   | 2.40 | 0.086 |
| 11GR0010A | Soil                             | 0.79 | 48.16 | 5.05 | 38.7 | 232  | 12.7 | 7.6  | 1769 | 1.69 | 2.6  | 2.5  | 17.9 | 0.7  | 86.9  | 0.36 | 1.32 | 0.11 | 27   | 2.49 | 0.094 |
| 11GR0011A | Soil                             | 0.47 | 22.46 | 6.90 | 50.0 | 128  | 12.8 | 7.8  | 511  | 2.02 | 3.6  | 1.2  | 18.5 | 1.2  | 86.4  | 0.12 | 0.43 | 0.11 | 43   | 2.01 | 0.083 |
| 11GR0012A | Soil                             | 0.42 | 25.98 | 1.86 | 37.3 | 101  | 8.0  | 3.1  | 553  | 0.74 | 1.1  | 1.0  | 12.2 | 0.3  | 143.0 | 0.35 | 0.50 | 0.06 | 9    | 4.16 | 0.093 |
| 11GR0013A | Soil                             | 0.38 | 19.80 | 3.37 | 36.5 | 94   | 9.7  | 5.6  | 630  | 1.45 | 1.9  | 1.4  | 10.3 | 0.5  | 92.6  | 0.23 | 0.53 | 0.07 | 26   | 2.46 | 0.069 |
| 11GR0014A | Soil                             | 0.92 | 13.10 | 3.80 | 32.2 | 71   | 8.0  | 13.2 | 1835 | 2.12 | 6.6  | 0.7  | 7.9  | 0.4  | 102.6 | 0.29 | 0.33 | 0.07 | 37   | 2.77 | 0.097 |
| 11GR0015A | Soil                             | 0.70 | 19.41 | 4.19 | 34.6 | 80   | 11.3 | 5.9  | 880  | 1.55 | 2.8  | 0.8  | 10.9 | 0.5  | 107.8 | 0.16 | 0.40 | 0.08 | 29   | 2.87 | 0.105 |
| 11GR0016A | Soil                             | 0.77 | 28.32 | 4.70 | 39.1 | 94   | 15.3 | 7.5  | 1885 | 1.87 | 2.8  | 1.9  | 22.8 | 0.8  | 98.3  | 0.22 | 0.56 | 0.08 | 30   | 2.64 | 0.117 |
| 11GR0017A | Soil                             | 0.47 | 31.40 | 2.65 | 16.7 | 113  | 11.9 | 5.4  | 1141 | 0.97 | 1.4  | 4.7  | 20.9 | 0.7  | 112.5 | 0.11 | 0.64 | 0.05 | 15   | 3.73 | 0.081 |
| 11GR0018A | Soil                             | 0.15 | 21.93 | 6.10 | 57.2 | 101  | 15.3 | 7.0  | 243  | 1.87 | 2.1  | 2.0  | 24.0 | 3.0  | 60.2  | 0.29 | 0.49 | 0.11 | 35   | 1.88 | 0.067 |
| 11GR0031A | Soil                             | 0.70 | 20.74 | 5.85 | 43.0 | 100  | 11.7 | 9.1  | 1716 | 2.24 | 4.7  | 1.4  | 10.7 | 1.1  | 126.2 | 0.23 | 0.39 | 0.12 | 44   | 2.52 | 0.100 |
| 11GR0032A | Soil                             | 1.13 | 20.29 | 3.57 | 38.6 | 81   | 12.0 | 11.5 | 2653 | 1.64 | 4.3  | 0.7  | 8.0  | 0.6  | 139.7 | 0.27 | 0.40 | 0.09 | 28   | 2.87 | 0.100 |
| 11GR0033A | Soil                             | 0.80 | 24.52 | 2.34 | 18.1 | 126  | 11.9 | 4.6  | 829  | 0.97 | 1.9  | 0.7  | 9.6  | 0.5  | 131.1 | 0.20 | 0.76 | 0.08 | 18   | 2.96 | 0.096 |
| 11GR0034A | Soil                             | 0.63 | 21.94 | 4.67 | 27.6 | 138  | 12.9 | 5.0  | 344  | 1.54 | 2.1  | 0.9  | 19.4 | 0.6  | 111.9 | 0.09 | 0.60 | 0.09 | 28   | 2.22 | 0.082 |
| 11GR0036A | Soil                             | 0.64 | 20.28 | 5.77 | 59.5 | 66   | 14.8 | 9.9  | 728  | 2.21 | 4.0  | 0.8  | 5.2  | 1.6  | 84.8  | 0.20 | 0.37 | 0.10 | 51   | 2.01 | 0.076 |
| 11GR0037A | Soil                             | 0.84 | 24.84 | 4.13 | 35.8 | 103  | 15.1 | 9.5  | 1231 | 1.72 | 2.7  | 0.8  | 7.0  | 0.7  | 97.6  | 0.19 | 0.37 | 0.26 | 38   | 2.32 | 0.094 |
| 11GR0039A | Soil                             | 0.50 | 14.99 | 4.30 | 37.3 | 76   | 9.9  | 5.3  | 316  | 1.56 | 2.1  | 0.6  | 8.1  | 1.0  | 114.4 | 0.20 | 0.42 | 0.16 | 32   | 2.87 | 0.077 |
| 11GR0049A | Soil                             | 0.50 | 31.23 | 3.81 | 26.5 | 186  | 15.3 | 3.9  | 205  | 1.37 | 1.6  | 0.8  | 22.3 | 1.0  | 121.5 | 0.14 | 0.55 | 0.09 | 22   | 3.17 | 0.073 |
| 11GR0051A | Soil                             | 0.53 | 37.06 | 5.21 | 38.8 | 140  | 26.2 | 8.7  | 601  | 2.39 | 3.4  | 1.3  | 10.7 | 1.8  | 84.0  | 0.08 | 0.94 | 0.11 | 41   | 1.60 | 0.090 |
| 11GR0053A | Soil                             | 1.51 | 21.46 | 3.63 | 21.5 | 141  | 11.7 | 6.2  | 1104 | 1.15 | 2.1  | 0.7  | 9.2  | 0.3  | 112.4 | 0.27 | 0.93 | 0.08 | 19   | 2.26 | 0.121 |
| 11GR0054A | Soil                             | 0.49 | 18.36 | 2.78 | 23.1 | 71   | 9.4  | 3.9  | 280  | 1.20 | 2.7  | 1.6  | 3.6  | 0.3  | 124.3 | 0.17 | 0.37 | 0.09 | 25   | 3.56 | 0.077 |
| 11GR0055A | Soil                             | 0.44 | 17.38 | 2.47 | 15.4 | 79   | 6.6  | 3.3  | 322  | 0.83 | 2.3  | 1.0  | 6.2  | 0.2  | 255.7 | 0.10 | 0.37 | 0.06 | 16   | 3.97 | 0.107 |
| 11GR0030A | Soil                             | 0.36 | 30.34 | 2.88 | 17.5 | 116  | 13.2 | 5.1  | 822  | 1.04 | 2.0  | 3.4  | 15.4 | 0.7  | 179.5 | 0.22 | 0.70 | 0.06 | 17   | 4.36 | 0.086 |



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Project: Mariposa  
Report Date: November 20, 2011

Page: 2 of 2 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001444.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11GR0001A | Soil                             | 12.5 | 16.1 | 0.32 | 1224  | 0.021 | 3    | 0.97 | 0.020 | 0.04 | <0.1 | 2.8  | 0.05 | 0.12 | 85   | 0.6  | 0.03  |
| 11GR0002A | Soil                             | 20.4 | 13.7 | 0.27 | 1127  | 0.013 | 4    | 0.91 | 0.013 | 0.06 | <0.1 | 3.1  | 0.06 | 0.11 | 73   | 0.4  | 0.03  |
| 11GR0005A | Soil                             | 15.2 | 22.5 | 0.65 | 631.0 | 0.042 | 3    | 1.45 | 0.017 | 0.07 | 0.1  | 4.2  | 0.08 | 0.08 | 59   | 0.3  | 0.07  |
| 11GR0006A | Soil                             | 29.6 | 16.2 | 0.37 | 718.3 | 0.024 | 3    | 1.24 | 0.014 | 0.06 | <0.1 | 3.2  | 0.06 | 0.12 | 68   | 0.3  | 0.20  |
| 11GR0007A | Soil                             | 33.6 | 12.9 | 0.21 | 727.2 | 0.012 | 2    | 0.80 | 0.011 | 0.03 | <0.1 | 2.0  | 0.05 | 0.11 | 93   | 0.2  | 0.06  |
| 11GR0010A | Soil                             | 33.8 | 15.8 | 0.26 | 1431  | 0.012 | 2    | 1.16 | 0.013 | 0.05 | 0.1  | 4.6  | 0.08 | 0.10 | 124  | 0.2  | 0.07  |
| 11GR0011A | Soil                             | 14.9 | 20.5 | 0.45 | 813.4 | 0.031 | 1    | 1.42 | 0.017 | 0.04 | 0.1  | 4.4  | 0.07 | 0.08 | 98   | 0.4  | 0.06  |
| 11GR0012A | Soil                             | 19.9 | 7.8  | 0.19 | 1324  | 0.008 | 5    | 0.57 | 0.013 | 0.02 | <0.1 | 2.3  | 0.04 | 0.16 | 86   | 0.3  | 0.03  |
| 11GR0013A | Soil                             | 18.3 | 12.0 | 0.30 | 1148  | 0.017 | 2    | 0.89 | 0.013 | 0.04 | 0.1  | 2.6  | 0.04 | 0.08 | 67   | 0.3  | 0.02  |
| 11GR0014A | Soil                             | 6.6  | 10.1 | 0.25 | 1124  | 0.014 | 4    | 0.59 | 0.014 | 0.04 | 0.1  | 1.8  | 0.04 | 0.13 | 46   | 0.4  | 0.02  |
| 11GR0015A | Soil                             | 9.7  | 14.7 | 0.34 | 816.3 | 0.020 | 3    | 1.06 | 0.017 | 0.04 | <0.1 | 1.9  | 0.06 | 0.13 | 53   | 0.5  | 0.03  |
| 11GR0016A | Soil                             | 27.6 | 15.1 | 0.38 | 1111  | 0.017 | 3    | 1.25 | 0.016 | 0.05 | <0.1 | 3.4  | 0.06 | 0.13 | 124  | 0.6  | 0.05  |
| 11GR0017A | Soil                             | 65.7 | 9.4  | 0.19 | 1555  | 0.009 | 3    | 0.81 | 0.014 | 0.03 | <0.1 | 2.8  | 0.04 | 0.14 | 124  | 0.5  | 0.03  |
| 11GR0018A | Soil                             | 23.2 | 20.6 | 0.45 | 799.3 | 0.028 | 1    | 1.31 | 0.016 | 0.06 | 0.1  | 4.9  | 0.06 | 0.07 | 80   | 0.5  | 0.04  |
| 11GR0031A | Soil                             | 19.9 | 18.9 | 0.38 | 741.7 | 0.022 | 3    | 1.07 | 0.016 | 0.04 | <0.1 | 3.5  | 0.07 | 0.11 | 86   | 0.5  | <0.02 |
| 11GR0032A | Soil                             | 9.1  | 14.4 | 0.34 | 757.3 | 0.019 | 4    | 0.84 | 0.016 | 0.03 | <0.1 | 1.9  | 0.05 | 0.13 | 64   | 0.4  | <0.02 |
| 11GR0033A | Soil                             | 15.7 | 12.1 | 0.31 | 627.7 | 0.023 | 4    | 0.74 | 0.018 | 0.03 | <0.1 | 2.0  | 0.06 | 0.14 | 94   | 0.5  | <0.02 |
| 11GR0034A | Soil                             | 20.8 | 16.5 | 0.40 | 514.3 | 0.026 | 2    | 1.09 | 0.014 | 0.04 | 0.1  | 2.6  | 0.04 | 0.09 | 82   | 0.5  | 0.03  |
| 11GR0036A | Soil                             | 12.1 | 24.3 | 0.68 | 510.9 | 0.064 | 2    | 1.41 | 0.020 | 0.07 | 0.1  | 4.4  | 0.06 | 0.08 | 63   | 0.4  | 0.03  |
| 11GR0037A | Soil                             | 13.2 | 19.8 | 0.50 | 521.7 | 0.035 | 3    | 1.06 | 0.018 | 0.05 | <0.1 | 3.4  | 0.05 | 0.13 | 88   | 0.6  | 0.02  |
| 11GR0039A | Soil                             | 9.2  | 17.0 | 0.49 | 482.8 | 0.042 | 3    | 1.15 | 0.019 | 0.05 | <0.1 | 3.0  | 0.07 | 0.10 | 59   | 0.2  | 0.03  |
| 11GR0049A | Soil                             | 32.5 | 17.4 | 0.32 | 1365  | 0.018 | 2    | 1.15 | 0.013 | 0.04 | <0.1 | 4.0  | 0.06 | 0.11 | 84   | 0.5  | <0.02 |
| 11GR0051A | Soil                             | 27.0 | 28.9 | 0.54 | 956.0 | 0.044 | 2    | 1.46 | 0.016 | 0.04 | 0.1  | 4.9  | 0.07 | 0.09 | 107  | 0.8  | 0.03  |
| 11GR0053A | Soil                             | 10.8 | 15.1 | 0.29 | 492.9 | 0.020 | 5    | 0.66 | 0.016 | 0.03 | 0.1  | 1.6  | 0.06 | 0.17 | 97   | 0.8  | <0.02 |
| 11GR0054A | Soil                             | 9.4  | 13.7 | 0.29 | 588.1 | 0.017 | 4    | 0.96 | 0.012 | 0.03 | <0.1 | 2.0  | 0.04 | 0.13 | 74   | 0.7  | <0.02 |
| 11GR0055A | Soil                             | 17.5 | 11.2 | 0.25 | 901.5 | 0.009 | 5    | 0.62 | 0.014 | 0.02 | <0.1 | 1.9  | 0.05 | 0.18 | 69   | 0.6  | 0.02  |
| 11GR0030A | Soil                             | 34.4 | 12.4 | 0.25 | 1202  | 0.012 | 4    | 0.78 | 0.013 | 0.02 | <0.1 | 2.1  | 0.05 | 0.14 | 117  | 0.4  | 0.03  |



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Project: Mariposa

Report Date: November 20, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001444.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15  |
|---------------------|----------------------------------|-------|-------|-------|-------|------|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|------|-------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe    | As   | U    | Au    | Th   | Sr   | Cd    | Sb    | Bi    | V    | Ca    |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %     | ppm  | ppm  | ppb   | ppm  | ppm  | ppm   | ppm   | ppm   | ppm  | %     |
|                     |                                  | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01  | 0.1  | 0.1  | 0.2   | 0.1  | 0.5  | 0.01  | 0.02  | 0.02  | 2    | 0.01  |
| Pulp Duplicates     |                                  |       |       |       |       |      |      |      |      |       |      |      |       |      |      |       |       |       |      |       |
| 11GR0018A           | Soil                             | 0.15  | 21.93 | 6.10  | 57.2  | 101  | 15.3 | 7.0  | 243  | 1.87  | 2.1  | 2.0  | 24.0  | 3.0  | 60.2 | 0.29  | 0.49  | 0.11  | 35   | 1.88  |
| REP 11GR0018A       | QC                               | 0.18  | 22.59 | 6.42  | 60.8  | 90   | 16.0 | 7.4  | 248  | 2.02  | 2.3  | 2.1  | 36.3  | 3.1  | 63.9 | 0.27  | 0.52  | 0.14  | 38   | 1.92  |
| Reference Materials |                                  |       |       |       |       |      |      |      |      |       |      |      |       |      |      |       |       |       |      |       |
| STD DS8             | Standard                         | 13.29 | 107.6 | 129.0 | 306.7 | 1898 | 36.1 | 7.2  | 585  | 2.49  | 23.4 | 2.9  | 115.5 | 7.3  | 66.4 | 2.20  | 5.17  | 6.01  | 40   | 0.71  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1690 | 38.1 | 7.5  | 615  | 2.46  | 26   | 2.8  | 107   | 6.89 | 67.7 | 2.38  | 5.7   | 6.67  | 41.1 | 0.7   |
| BLK                 | Blank                            | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   | <0.01 |



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**Project:** Mariposa

**Report Date:** November 20, 2011

**Page:** 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001444.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15   | 1F15  | 1F15   | 1F15 | 1F15  | 1F15   | 1F15  | 1F15 | 1F15 | 1F15  | 1F15   | 1F15 | 1F15 | 1F15  |
|---------------------|----------------------------------|------|-------|--------|-------|--------|------|-------|--------|-------|------|------|-------|--------|------|------|-------|
|                     |                                  | La   | Cr    | Mg     | Ba    | Ti     | B    | Al    | Na     | K     | W    | Sc   | Ti    | S      | Hg   | Se   | Te    |
|                     |                                  | ppm  | ppm   | %      | ppm   | %      | ppm  | %     | %      | %     | ppm  | ppm  | ppm   | %      | ppb  | ppm  | ppm   |
|                     |                                  | 0.5  | 0.5   | 0.01   | 0.5   | 0.001  | 1    | 0.01  | 0.001  | 0.01  | 0.1  | 0.1  | 0.02  | 0.02   | 5    | 0.1  | 0.02  |
| Pulp Duplicates     |                                  |      |       |        |       |        |      |       |        |       |      |      |       |        |      |      |       |
| 11GR0018A           | Soil                             | 23.2 | 20.6  | 0.45   | 799.3 | 0.028  | 1    | 1.31  | 0.016  | 0.06  | 0.1  | 4.9  | 0.06  | 0.07   | 80   | 0.5  | 0.04  |
| REP 11GR0018A       | QC                               | 24.7 | 22.2  | 0.47   | 846.4 | 0.032  | 2    | 1.37  | 0.018  | 0.06  | 0.1  | 5.3  | 0.07  | 0.07   | 94   | 0.5  | 0.03  |
| Reference Materials |                                  |      |       |        |       |        |      |       |        |       |      |      |       |        |      |      |       |
| STD DS8             | Standard                         | 16.8 | 126.5 | 0.61   | 277.2 | 0.115  | 3    | 0.91  | 0.089  | 0.42  | 3.0  | 2.3  | 5.67  | 0.16   | 207  | 5.1  | 5.05  |
| STD DS8 Expected    |                                  | 14.6 | 115   | 0.6045 | 279   | 0.113  | 2.6  | 0.93  | 0.0883 | 0.41  | 3    | 2.3  | 5.4   | 0.1679 | 192  | 5.23 | 5     |
| BLK                 | Blank                            | <0.5 | <0.5  | <0.01  | <0.5  | <0.001 | <1   | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02  | <5   | <0.1 | <0.02 |



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Vancouver BC V6E 3T5 Canada

Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 17, 2011

Report Date: October 26, 2011

Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001463.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-25  
P.O. Number  
Number of Samples: 10

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 10                | Dry at 60C sieve 100g to -80 mesh                     |              |               | WHI |
| Dry at 60C  | 10                | Dry at 60C                                            |              |               | WHI |
| RJSV        | 10                | Saving all or part of Soil Reject                     |              |               | WHI |
| 1F02        | 10                | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: October 26, 2011

Page: 2 of 2 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001463.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11TB0989A | Soil                             | 1.98 | 18.49 | 8.39  | 38.6  | 1029 | 9.9  | 4.9  | 209  | 1.33 | 5.1  | 1.0  | 2.8  | 0.2  | 26.8 | 0.33 | 0.30 | 0.41 | 26   | 0.32 |
| 11TB0990A | Soil                             | 1.97 | 28.33 | 11.20 | 122.6 | 1028 | 15.3 | 10.8 | 940  | 2.36 | 3.4  | 1.6  | 3.9  | 3.7  | 43.5 | 1.27 | 0.30 | 0.20 | 38   | 0.51 |
| 11TB0991A | Soil                             | 1.33 | 39.04 | 9.84  | 80.0  | 902  | 9.9  | 4.2  | 195  | 1.89 | 3.3  | 1.9  | 3.0  | 1.3  | 36.6 | 1.05 | 0.23 | 0.36 | 28   | 0.45 |
| 11TB0992A | Soil                             | 1.22 | 25.47 | 14.89 | 129.5 | 3443 | 11.8 | 6.3  | 2286 | 1.53 | 2.3  | 0.8  | 0.8  | 1.3  | 51.5 | 1.33 | 0.28 | 0.17 | 26   | 0.79 |
| 11TB0993A | Soil                             | 1.24 | 17.64 | 10.14 | 55.7  | 1017 | 4.8  | 4.0  | 692  | 1.24 | 3.9  | 0.7  | 1.7  | 1.8  | 31.4 | 1.49 | 0.34 | 0.28 | 27   | 0.47 |
| 11TB0994A | Soil                             | 0.82 | 22.39 | 7.09  | 147.8 | 1149 | 6.5  | 4.2  | 3966 | 0.95 | 1.3  | 0.3  | 1.2  | 0.9  | 65.1 | 2.13 | 0.17 | 0.18 | 24   | 1.29 |
| 11TB0995A | Soil                             | 0.70 | 16.86 | 5.96  | 114.6 | 1012 | 9.3  | 4.7  | 1912 | 1.04 | 1.3  | 0.2  | 0.6  | 0.5  | 58.7 | 1.96 | 0.20 | 0.15 | 26   | 0.83 |
| 11TB0996A | Soil                             | 1.00 | 13.96 | 9.61  | 82.9  | 233  | 11.1 | 8.6  | 617  | 2.61 | 4.0  | 0.2  | <0.2 | 1.3  | 27.1 | 0.69 | 0.42 | 0.16 | 73   | 0.25 |
| 11TB0997A | Soil                             | 0.86 | 19.18 | 6.88  | 27.0  | 261  | 7.2  | 2.5  | 81   | 0.86 | 2.4  | 0.3  | <0.2 | <0.1 | 19.6 | 0.50 | 0.19 | 0.15 | 27   | 0.11 |
| 11TB0998A | Soil                             | 0.96 | 23.15 | 7.01  | 86.1  | 593  | 9.3  | 4.1  | 732  | 1.08 | 1.4  | 0.5  | 0.2  | 0.2  | 54.4 | 0.91 | 0.20 | 0.12 | 22   | 0.66 |



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**Client:** Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5 Canada

**Project:** Mariposa  
**Report Date:** October 26, 2011

**Page:** 2 of 2 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001463.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti   | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm  | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02 | 0.02  | 5    | 0.1  | 0.02  |
| 11TB0989A | Soil                             | 17.4 | 15.6 | 0.25 | 232.4 | 0.034 | 1    | 0.95 | 0.012 | 0.08 | 0.1  | 1.3  | 0.08 | 0.05  | 109  | 0.3  | <0.02 |
| 11TB0990A | Soil                             | 30.3 | 19.8 | 0.33 | 547.5 | 0.055 | 3    | 1.60 | 0.018 | 0.21 | <0.1 | 4.0  | 0.09 | <0.02 | 13   | 0.2  | 0.03  |
| 11TB0991A | Soil                             | 44.1 | 14.9 | 0.31 | 334.8 | 0.052 | 1    | 1.34 | 0.014 | 0.19 | 0.1  | 2.5  | 0.12 | 0.06  | 94   | 0.3  | 0.10  |
| 11TB0992A | Soil                             | 23.8 | 15.2 | 0.24 | 455.7 | 0.032 | 2    | 0.97 | 0.012 | 0.16 | <0.1 | 2.5  | 0.05 | 0.02  | 24   | 0.3  | 0.03  |
| 11TB0993A | Soil                             | 16.4 | 10.5 | 0.21 | 222.9 | 0.062 | 1    | 0.87 | 0.014 | 0.22 | <0.1 | 2.2  | 0.12 | <0.02 | 7    | 0.1  | 0.06  |
| 11TB0994A | Soil                             | 6.6  | 9.7  | 0.15 | 434.4 | 0.035 | <1   | 0.66 | 0.015 | 0.13 | <0.1 | 1.4  | 0.06 | 0.02  | 13   | 0.2  | 0.03  |
| 11TB0995A | Soil                             | 5.0  | 10.6 | 0.13 | 642.5 | 0.033 | 1    | 0.60 | 0.017 | 0.13 | <0.1 | 1.5  | 0.05 | 0.02  | 17   | 0.2  | <0.02 |
| 11TB0996A | Soil                             | 5.9  | 17.7 | 0.33 | 372.3 | 0.078 | <1   | 1.34 | 0.014 | 0.08 | <0.1 | 1.6  | 0.13 | <0.02 | <5   | 0.1  | 0.03  |
| 11TB0997A | Soil                             | 5.2  | 11.4 | 0.10 | 153.5 | 0.007 | <1   | 0.58 | 0.009 | 0.05 | <0.1 | 0.2  | 0.04 | 0.04  | 57   | 0.2  | 0.02  |
| 11TB0998A | Soil                             | 5.9  | 12.2 | 0.12 | 421.5 | 0.029 | <1   | 0.82 | 0.019 | 0.13 | <0.1 | 1.7  | 0.05 | 0.03  | 20   | 0.3  | <0.02 |





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**Project:** Mariposa

**Report Date:** October 26, 2011

**Page:** 1 of 1 **Part** 1

## QUALITY CONTROL REPORT

WHI11001463.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15  | 1F15   |
|---------------------|----------------------------------|-------|-------|-------|-------|------|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe    | As   | U    | Au    | Th   | Sr   | Cd    | Sb    | Bi    | V    | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %     | ppm  | ppm  | ppb   | ppm  | ppm  | ppm   | ppm   | ppm   | ppm  | %     | %      |
|                     |                                  | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01  | 0.1  | 0.1  | 0.2   | 0.1  | 0.5  | 0.01  | 0.02  | 0.02  | 2    | 0.01  | 0.001  |
|                     |                                  |       |       |       |       |      |      |      |      |       |      |      |       |      |      |       |       |       |      |       |        |
| Reference Materials |                                  |       |       |       |       |      |      |      |      |       |      |      |       |      |      |       |       |       |      |       |        |
| STD DS8             | Standard                         | 12.56 | 99.33 | 116.0 | 297.0 | 1666 | 34.5 | 7.0  | 560  | 2.26  | 23.4 | 2.5  | 102.9 | 5.7  | 64.5 | 2.15  | 5.14  | 5.58  | 39   | 0.69  | 0.078  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1690 | 38.1 | 7.5  | 615  | 2.46  | 26   | 2.8  | 107   | 6.89 | 67.7 | 2.38  | 5.7   | 6.67  | 41.1 | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   | <0.01 | <0.001 |



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**Project:** Mariposa

**Report Date:** October 26, 2011

**Page:** 1 of 1 **Part** 2

## QUALITY CONTROL REPORT

WHI11001463.1

|                  | Method<br>Analyte<br>Unit<br>MDL | 1F15                | 1F15  | 1F15   | 1F15  | 1F15   | 1F15 | 1F15  | 1F15   | 1F15  | 1F15 | 1F15 | 1F15  | 1F15   | 1F15 | 1F15 | 1F15  | 1F15 |
|------------------|----------------------------------|---------------------|-------|--------|-------|--------|------|-------|--------|-------|------|------|-------|--------|------|------|-------|------|
|                  |                                  | La                  | Cr    | Mg     | Ba    | Ti     | B    | Al    | Na     | K     | W    | Sc   | Tl    | S      | Hg   | Se   | Te    | Ga   |
|                  |                                  | ppm                 | ppm   | %      | ppm   | %      | ppm  | %     | %      | %     | ppm  | ppm  | ppm   | %      | ppb  | ppm  | ppm   | ppm  |
|                  |                                  | 0.5                 | 0.5   | 0.01   | 0.5   | 0.001  | 1    | 0.01  | 0.001  | 0.01  | 0.1  | 0.1  | 0.02  | 0.02   | 5    | 0.1  | 0.02  | 0.1  |
|                  |                                  | Reference Materials |       |        |       |        |      |       |        |       |      |      |       |        |      |      |       |      |
| STD DS8          | Standard                         | 14.6                | 113.8 | 0.57   | 257.8 | 0.100  | 2    | 0.92  | 0.088  | 0.39  | 2.6  | 1.9  | 5.15  | 0.15   | 188  | 4.8  | 4.43  | 4.6  |
| STD DS8 Expected |                                  | 14.6                | 115   | 0.6045 | 279   | 0.113  | 2.6  | 0.93  | 0.0883 | 0.41  | 3    | 2.3  | 5.4   | 0.1679 | 192  | 5.23 | 5     | 4.7  |
| BLK              | Blank                            | <0.5                | <0.5  | <0.01  | <0.5  | <0.001 | <1   | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02  | <5   | <0.1 | <0.02 | <0.1 |



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**Client:** Pacific Ridge Exploration Ltd.

1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5 Canada

Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: August 29, 2011

Report Date: October 29, 2011

Page: 1 of 5

## CERTIFICATE OF ANALYSIS

WHI11001567.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 11MPS-30  
P.O. Number  
Number of Samples: 120

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 120               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 120               | Dry at 60C                                 |              |               | WHI |
| RJSV        | 120               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 120               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Pacific Ridge Exploration Ltd.**  
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Project: None Given  
Report Date: October 29, 2011

Page: 2 of 5 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001567.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11JM0436 | Soil                             | 1.3   | 15.2  | 18.0  | 69    | 0.2   | 10.3  | 15.3  | 702   | 2.97  | 10.6  | 2.4   | 17.6  | 6.7   | 27    | 0.2   | 0.3   | 0.3   | 44    | 0.31  | 0.057 |
| 11JM0437 | Soil                             | 1.0   | 11.8  | 16.2  | 64    | 0.1   | 10.9  | 11.0  | 440   | 2.93  | 9.7   | 1.6   | 5.1   | 12.0  | 20    | <0.1  | 0.2   | 0.2   | 33    | 0.18  | 0.048 |
| 11JM0438 | Soil                             | 0.7   | 13.3  | 14.7  | 143   | 0.2   | 11.2  | 11.5  | 450   | 3.49  | 9.0   | 2.7   | 8.7   | 7.4   | 42    | 0.1   | 0.2   | 0.2   | 54    | 0.48  | 0.131 |
| 11JM0439 | Soil                             | 1.7   | 18.9  | 24.7  | 110   | 0.2   | 4.6   | 10.1  | 407   | 4.61  | 32.8  | 3.1   | <0.5  | 15.6  | 72    | <0.1  | 0.4   | 0.2   | 14    | 0.18  | 0.090 |
| 11JM0460 | Soil                             | 4.0   | 30.8  | 8.9   | 48    | <0.1  | 13.5  | 10.4  | 432   | 2.59  | 5.0   | 1.0   | 121.7 | 8.0   | 13    | <0.1  | 0.5   | 0.3   | 38    | 0.12  | 0.021 |
| 11JM0461 | Soil                             | 2.0   | 27.5  | 9.8   | 52    | <0.1  | 22.5  | 9.1   | 351   | 2.81  | 9.0   | 0.8   | 79.7  | 5.0   | 22    | <0.1  | 0.5   | 0.2   | 62    | 0.18  | 0.019 |
| 11JM0462 | Soil                             | 3.1   | 31.0  | 9.4   | 55    | <0.1  | 24.7  | 10.6  | 412   | 3.04  | 8.5   | 1.1   | 224.5 | 5.9   | 27    | <0.1  | 0.5   | 0.2   | 62    | 0.24  | 0.022 |
| 11JM0463 | Soil                             | 2.7   | 25.2  | 9.5   | 85    | <0.1  | 20.1  | 11.9  | 562   | 3.13  | 6.5   | 1.3   | 4.9   | 7.7   | 36    | <0.1  | 0.3   | 0.1   | 58    | 0.41  | 0.070 |
| 11JM0464 | Soil                             | 2.7   | 30.2  | 10.8  | 54    | <0.1  | 49.5  | 13.3  | 452   | 2.96  | 7.0   | 1.2   | 11.5  | 7.6   | 34    | <0.1  | 0.5   | 0.2   | 57    | 0.30  | 0.078 |
| 11JM0466 | Soil                             | 3.9   | 456.9 | 15.4  | 121   | <0.1  | 10.5  | 6.1   | 218   | 3.67  | 6.8   | 2.0   | 4.6   | 17.4  | 10    | 0.3   | 0.5   | 0.8   | 42    | 0.10  | 0.041 |
| 11JM0467 | Soil                             | 2.2   | 136.8 | 12.5  | 145   | 0.1   | 11.8  | 12.4  | 593   | 5.22  | 14.7  | 1.2   | 6.4   | 7.0   | 28    | 0.3   | 0.3   | 0.6   | 83    | 0.47  | 0.106 |
| 11JM0469 | Soil                             | 4.0   | 57.1  | 12.3  | 72    | 0.4   | 15.0  | 10.2  | 843   | 2.97  | 6.6   | 2.3   | 16.2  | 5.8   | 34    | 0.2   | 0.4   | 0.3   | 41    | 0.41  | 0.072 |
| 11JM0470 | Soil                             | 2.6   | 44.9  | 7.4   | 110   | <0.1  | 4.4   | 9.9   | 654   | 4.15  | 2.1   | 1.3   | 2.0   | 9.5   | 17    | 0.4   | 0.3   | 0.3   | 29    | 0.18  | 0.086 |
| 11JM0471 | Soil                             | 1.9   | 42.6  | 6.3   | 98    | <0.1  | 5.2   | 8.6   | 488   | 3.85  | 2.6   | 1.1   | 0.9   | 8.6   | 18    | 0.2   | 0.3   | 0.2   | 31    | 0.14  | 0.057 |
| 11JM0472 | Soil                             | 2.3   | 87.6  | 10.1  | 67    | 0.3   | 11.5  | 7.9   | 319   | 3.26  | 7.3   | 0.7   | 2.1   | 3.4   | 21    | 0.2   | 0.3   | 0.3   | 71    | 0.21  | 0.035 |
| 11JM0473 | Soil                             | 1.7   | 194.8 | 10.2  | 151   | <0.1  | 6.5   | 14.4  | 733   | 4.58  | 3.0   | 1.3   | 3.7   | 6.8   | 21    | 0.2   | 0.1   | 0.2   | 81    | 0.33  | 0.093 |
| 11JM0474 | Soil                             | 3.3   | 163.8 | 12.2  | 257   | 0.2   | 8.0   | 6.9   | 406   | 3.81  | 5.1   | 1.3   | 12.2  | 11.2  | 12    | 0.3   | 0.2   | 0.2   | 41    | 0.11  | 0.040 |
| 11JM0475 | Soil                             | 9.5   | 145.7 | 12.4  | 148   | 0.2   | 6.5   | 7.9   | 1025  | 2.79  | 4.1   | 0.8   | <0.5  | 10.5  | 17    | 0.3   | 0.2   | 1.0   | 27    | 0.14  | 0.045 |
| 11JM0476 | Soil                             | 2.6   | 78.1  | 7.7   | 178   | 0.2   | 9.3   | 7.0   | 328   | 3.49  | 4.8   | 0.6   | 13.7  | 5.2   | 20    | 0.3   | 0.3   | 0.3   | 49    | 0.13  | 0.029 |
| 11JM0477 | Soil                             | 9.9   | 87.6  | 13.9  | 66    | 0.1   | 11.5  | 6.3   | 299   | 2.71  | 6.0   | 1.0   | 153.5 | 5.6   | 19    | 0.2   | 0.7   | 0.5   | 38    | 0.15  | 0.027 |
| 11JM0478 | Soil                             | 3.7   | 51.8  | 12.8  | 60    | 0.1   | 24.8  | 9.3   | 374   | 2.81  | 9.2   | 1.1   | 61.5  | 5.6   | 26    | <0.1  | 0.7   | 0.2   | 59    | 0.26  | 0.032 |
| 11JM0479 | Soil                             | 5.9   | 64.0  | 21.1  | 63    | 0.1   | 19.7  | 9.7   | 349   | 3.10  | 8.7   | 1.2   | 81.5  | 7.3   | 15    | <0.1  | 0.7   | 0.3   | 53    | 0.12  | 0.016 |
| 11JM0480 | Soil                             | 7.8   | 179.5 | 83.0  | 111   | 0.5   | 11.0  | 5.4   | 248   | 3.33  | 6.0   | 0.8   | 102.2 | 6.7   | 10    | 0.2   | 2.2   | 1.1   | 24    | 0.10  | 0.032 |
| 11JM0481 | Soil                             | 5.2   | 91.7  | 18.0  | 68    | 0.1   | 14.7  | 7.3   | 353   | 2.80  | 6.4   | 0.5   | 55.5  | 4.4   | 13    | 0.2   | 0.8   | 0.4   | 40    | 0.10  | 0.028 |
| 11JM0482 | Soil                             | 2.7   | 73.3  | 11.2  | 58    | <0.1  | 7.7   | 5.4   | 350   | 2.43  | 5.0   | 0.8   | 12.2  | 6.1   | 19    | 0.2   | 0.6   | 0.4   | 25    | 0.08  | 0.026 |
| 11JM0483 | Soil                             | 1.7   | 40.6  | 11.5  | 64    | <0.1  | 21.4  | 9.3   | 380   | 2.56  | 7.4   | 0.9   | 66.1  | 3.7   | 21    | 0.2   | 0.6   | 0.2   | 55    | 0.27  | 0.052 |
| 11JM0484 | Soil                             | 3.6   | 36.7  | 11.3  | 60    | <0.1  | 18.1  | 8.3   | 287   | 2.97  | 8.0   | 0.6   | 58.0  | 4.7   | 18    | 0.2   | 0.7   | 0.3   | 56    | 0.14  | 0.028 |
| 11JM0485 | Soil                             | 3.0   | 41.9  | 13.1  | 68    | <0.1  | 30.7  | 10.8  | 297   | 3.07  | 8.4   | 0.9   | 49.3  | 6.2   | 18    | 0.2   | 0.5   | 0.3   | 61    | 0.17  | 0.034 |
| 11JM0492 | Soil                             | 2.9   | 86.2  | 17.5  | 71    | 0.3   | 11.2  | 6.8   | 562   | 2.69  | 4.1   | 1.0   | 33.1  | 4.7   | 24    | 0.2   | 0.5   | 0.6   | 37    | 0.28  | 0.026 |
| 11JM0493 | Soil                             | 2.3   | 46.9  | 17.0  | 50    | 0.3   | 13.8  | 6.0   | 307   | 2.38  | 6.3   | 0.6   | 9.4   | 3.3   | 16    | 0.1   | 0.5   | 0.5   | 53    | 0.19  | 0.016 |



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Project: None Given  
Report Date: October 29, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001567.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11JM0436 | Soil                             | 24    | 18    | 0.38  | 219   | 0.035 | 1     | 1.22  | 0.013 | 0.07  | 0.1   | 0.02  | 2.2   | <0.1  | <0.05 | 4     | <0.5  | 0.3   |
| 11JM0437 | Soil                             | 24    | 19    | 0.48  | 169   | 0.052 | <1    | 1.37  | 0.018 | 0.10  | <0.1  | 0.01  | 2.3   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11JM0438 | Soil                             | 25    | 21    | 0.92  | 356   | 0.120 | <1    | 1.74  | 0.022 | 0.29  | <0.1  | 0.01  | 2.1   | 0.2   | 0.06  | 5     | <0.5  | 0.3   |
| 11JM0439 | Soil                             | 50    | 6     | 0.34  | 130   | 0.026 | <1    | 0.90  | 0.135 | 0.17  | <0.1  | <0.01 | 1.6   | <0.1  | 0.62  | 3     | 1.3   | 0.4   |
| 11JM0460 | Soil                             | 19    | 22    | 0.35  | 185   | 0.040 | <1    | 1.43  | 0.007 | 0.09  | <0.1  | 0.03  | 4.2   | 0.1   | <0.05 | 4     | 0.5   | <0.2  |
| 11JM0461 | Soil                             | 20    | 40    | 0.54  | 370   | 0.068 | <1    | 1.77  | 0.016 | 0.06  | 0.1   | 0.04  | 6.8   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11JM0462 | Soil                             | 21    | 41    | 0.54  | 483   | 0.066 | <1    | 1.79  | 0.017 | 0.06  | <0.1  | 0.05  | 7.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0463 | Soil                             | 28    | 37    | 0.83  | 495   | 0.098 | <1    | 2.01  | 0.018 | 0.14  | <0.1  | 0.03  | 5.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0464 | Soil                             | 32    | 58    | 0.69  | 621   | 0.066 | <1    | 1.91  | 0.011 | 0.07  | 0.1   | 0.02  | 5.8   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11JM0466 | Soil                             | 35    | 20    | 0.38  | 222   | 0.034 | <1    | 1.55  | 0.010 | 0.30  | 0.1   | 0.01  | 2.2   | 0.2   | <0.05 | 6     | <0.5  | 0.4   |
| 11JM0467 | Soil                             | 16    | 20    | 1.10  | 897   | 0.181 | <1    | 2.44  | 0.011 | 0.76  | 0.2   | 0.02  | 3.9   | 0.4   | <0.05 | 9     | <0.5  | 0.3   |
| 11JM0469 | Soil                             | 36    | 28    | 0.44  | 534   | 0.054 | <1    | 1.59  | 0.013 | 0.20  | 0.2   | 0.05  | 4.5   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11JM0470 | Soil                             | 26    | 5     | 0.51  | 333   | 0.069 | <1    | 1.70  | 0.009 | 0.72  | 0.1   | <0.01 | 3.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0471 | Soil                             | 21    | 7     | 0.53  | 275   | 0.112 | <1    | 1.61  | 0.009 | 0.74  | 0.1   | 0.01  | 3.0   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0472 | Soil                             | 11    | 21    | 0.55  | 292   | 0.121 | <1    | 1.48  | 0.010 | 0.23  | 0.2   | 0.01  | 2.5   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0473 | Soil                             | 25    | 13    | 1.21  | 348   | 0.277 | <1    | 2.45  | 0.013 | 1.20  | 0.4   | <0.01 | 3.1   | 0.7   | <0.05 | 8     | <0.5  | 0.3   |
| 11JM0474 | Soil                             | 25    | 13    | 0.52  | 197   | 0.186 | <1    | 1.94  | 0.010 | 0.63  | 0.1   | 0.02  | 3.2   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0475 | Soil                             | 29    | 11    | 0.36  | 319   | 0.052 | <1    | 1.22  | 0.009 | 0.37  | 0.4   | 0.01  | 1.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0476 | Soil                             | 8     | 15    | 0.58  | 283   | 0.131 | <1    | 2.06  | 0.011 | 0.53  | 0.1   | 0.02  | 3.8   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0477 | Soil                             | 17    | 21    | 0.32  | 362   | 0.019 | <1    | 1.29  | 0.010 | 0.08  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 4     | <0.5  | 0.2   |
| 11JM0478 | Soil                             | 19    | 37    | 0.57  | 593   | 0.072 | <1    | 1.74  | 0.015 | 0.07  | 0.2   | 0.04  | 7.1   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11JM0479 | Soil                             | 18    | 33    | 0.48  | 308   | 0.047 | <1    | 1.92  | 0.011 | 0.07  | 0.1   | 0.03  | 4.7   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11JM0480 | Soil                             | 14    | 17    | 0.24  | 256   | 0.011 | <1    | 1.64  | 0.009 | 0.12  | <0.1  | 0.02  | 2.6   | 0.1   | <0.05 | 4     | <0.5  | 0.3   |
| 11JM0481 | Soil                             | 13    | 23    | 0.33  | 257   | 0.016 | <1    | 1.74  | 0.007 | 0.07  | <0.1  | 0.02  | 2.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11JM0482 | Soil                             | 17    | 14    | 0.20  | 260   | 0.014 | <1    | 1.19  | 0.009 | 0.09  | <0.1  | 0.01  | 2.9   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11JM0483 | Soil                             | 18    | 31    | 0.53  | 360   | 0.062 | <1    | 1.62  | 0.011 | 0.05  | 0.1   | 0.03  | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0484 | Soil                             | 11    | 32    | 0.47  | 236   | 0.043 | 1     | 1.92  | 0.009 | 0.06  | <0.1  | 0.02  | 3.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0485 | Soil                             | 17    | 52    | 0.64  | 343   | 0.058 | <1    | 2.26  | 0.009 | 0.06  | 0.1   | 0.03  | 4.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0492 | Soil                             | 21    | 19    | 0.33  | 518   | 0.034 | <1    | 1.32  | 0.011 | 0.14  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11JM0493 | Soil                             | 16    | 24    | 0.37  | 483   | 0.046 | <1    | 1.28  | 0.010 | 0.08  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |



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Project: None Given  
Report Date: October 29, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001567.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11JM0494 | Soil                             | 3.3   | 57.4  | 24.5  | 58    | 0.2   | 25.1  | 8.4   | 352   | 2.57  | 7.4   | 0.7   | 77.7  | 4.9   | 21    | 0.1   | 0.6   | 0.4   | 46    | 0.25  |
| 11JM0495 | Soil                             | 3.4   | 48.4  | 17.4  | 71    | 0.3   | 15.6  | 7.2   | 273   | 3.01  | 8.5   | 0.6   | 29.4  | 4.3   | 16    | 0.2   | 0.7   | 0.4   | 55    | 0.15  |
| 11JM0496 | Soil                             | 8.5   | 89.1  | 20.6  | 120   | 0.2   | 14.9  | 6.5   | 404   | 2.55  | 6.5   | 0.8   | 117.5 | 5.6   | 20    | 0.4   | 0.8   | 0.5   | 34    | 0.14  |
| 11JM0497 | Soil                             | 4.5   | 63.2  | 16.7  | 76    | 0.1   | 12.4  | 5.6   | 296   | 2.35  | 6.4   | 0.8   | 36.3  | 5.5   | 31    | 0.2   | 0.6   | 0.4   | 34    | 0.21  |
| 11JM0498 | Soil                             | 5.0   | 70.0  | 17.3  | 94    | 0.3   | 12.8  | 6.1   | 410   | 2.50  | 5.1   | 1.2   | 74.9  | 6.1   | 31    | 0.3   | 0.5   | 0.4   | 31    | 0.25  |
| 11JM0499 | Soil                             | 3.4   | 44.8  | 13.5  | 79    | 0.3   | 12.8  | 5.8   | 317   | 2.50  | 5.4   | 0.9   | 39.5  | 5.4   | 22    | 0.3   | 0.4   | 0.3   | 40    | 0.26  |
| 11JM0500 | Soil                             | 3.2   | 56.3  | 18.9  | 128   | <0.1  | 12.2  | 10.0  | 514   | 3.77  | 3.5   | 1.3   | 6.0   | 8.0   | 19    | 0.3   | 0.3   | 0.3   | 53    | 0.33  |
| 11JM0501 | Soil                             | 3.1   | 51.4  | 12.0  | 86    | 0.1   | 8.4   | 7.1   | 517   | 2.97  | 4.1   | 1.6   | 8.9   | 8.2   | 20    | 0.2   | 0.3   | 0.5   | 33    | 0.22  |
| 11JM0502 | Soil                             | 1.7   | 81.2  | 9.4   | 60    | 0.3   | 10.9  | 6.8   | 439   | 2.69  | 4.6   | 0.9   | 9.9   | 4.2   | 22    | 0.2   | 0.3   | 1.1   | 46    | 0.26  |
| 11JM0503 | Soil                             | 1.8   | 172.9 | 9.5   | 77    | <0.1  | 6.3   | 4.9   | 251   | 2.73  | 20.0  | 1.0   | 1.1   | 8.2   | 25    | 0.1   | 0.5   | 2.8   | 23    | 0.17  |
| 11JM0504 | Soil                             | 0.9   | 202.2 | 7.4   | 111   | 0.2   | 5.9   | 8.1   | 464   | 3.46  | 0.9   | 1.0   | 4.1   | 5.8   | 17    | <0.1  | 0.1   | 2.5   | 52    | 0.32  |
| 11JM0505 | Soil                             | 1.5   | 166.7 | 8.5   | 129   | <0.1  | 8.2   | 9.5   | 397   | 3.50  | 2.1   | 0.8   | 16.3  | 6.8   | 25    | 0.2   | 0.2   | 0.9   | 39    | 0.16  |
| 11JM0506 | Soil                             | 1.3   | 200.9 | 7.6   | 104   | <0.1  | 7.6   | 6.0   | 290   | 3.16  | 3.2   | 0.7   | 1.7   | 6.5   | 22    | 0.2   | 0.3   | 0.6   | 30    | 0.16  |
| 11JM0507 | Soil                             | 0.9   | 98.7  | 10.0  | 83    | <0.1  | 6.6   | 6.8   | 291   | 2.77  | 2.7   | 0.7   | 4.3   | 9.7   | 13    | 0.2   | 0.2   | 0.4   | 27    | 0.11  |
| 11JM0508 | Soil                             | 1.9   | 161.7 | 7.9   | 74    | <0.1  | 6.5   | 5.8   | 261   | 3.38  | 1.6   | 0.7   | 1.6   | 10.7  | 16    | <0.1  | 0.2   | 3.1   | 21    | 0.13  |
| 11JM0509 | Soil                             | 1.3   | 103.5 | 7.2   | 85    | <0.1  | 10.8  | 10.8  | 453   | 3.73  | 2.1   | 0.6   | 4.2   | 5.5   | 18    | <0.1  | 0.3   | 0.8   | 46    | 0.21  |
| 11JM0510 | Soil                             | 1.5   | 73.8  | 7.1   | 64    | <0.1  | 15.2  | 6.6   | 301   | 2.84  | 5.9   | 1.0   | 34.4  | 6.5   | 18    | <0.1  | 0.5   | 0.4   | 41    | 0.20  |
| 11JM0511 | Soil                             | 2.3   | 28.8  | 10.2  | 84    | 0.4   | 8.1   | 7.3   | 883   | 4.00  | 4.8   | 0.6   | 1.0   | 3.7   | 15    | 0.3   | 0.4   | 1.1   | 52    | 0.15  |
| 11JM0512 | Soil                             | 4.7   | 136.9 | 13.4  | 92    | 0.6   | 12.7  | 7.7   | 313   | 3.74  | 5.8   | 0.9   | 64.3  | 5.5   | 22    | 0.3   | 1.2   | 1.6   | 40    | 0.09  |
| 11JM0513 | Soil                             | 3.3   | 90.2  | 13.8  | 93    | 0.4   | 16.0  | 9.1   | 280   | 3.87  | 6.0   | 0.7   | 35.2  | 5.6   | 20    | 0.1   | 0.6   | 0.5   | 56    | 0.13  |
| 11JM0514 | Soil                             | 3.4   | 71.1  | 11.6  | 81    | 0.1   | 14.7  | 8.2   | 343   | 3.30  | 7.1   | 0.8   | 19.6  | 8.0   | 22    | 0.3   | 0.5   | 0.4   | 39    | 0.14  |
| 11JM0515 | Soil                             | 3.8   | 69.6  | 16.1  | 95    | <0.1  | 15.9  | 11.8  | 574   | 3.72  | 5.4   | 0.9   | 127.0 | 5.7   | 32    | 0.1   | 0.6   | 0.5   | 62    | 0.28  |
| 11JM0516 | Soil                             | 2.0   | 57.3  | 18.1  | 113   | 0.1   | 30.8  | 14.4  | 548   | 4.06  | 6.0   | 0.6   | 19.1  | 4.9   | 21    | 0.3   | 0.4   | 0.3   | 68    | 0.21  |
| 11JM0517 | Soil                             | 1.9   | 106.1 | 29.4  | 141   | 0.2   | 14.9  | 13.4  | 704   | 4.33  | 4.4   | 0.8   | 1.6   | 4.5   | 31    | 0.2   | 0.3   | 0.5   | 73    | 0.47  |
| 11JM0518 | Soil                             | 1.2   | 36.1  | 17.9  | 94    | <0.1  | 22.2  | 11.4  | 463   | 3.29  | 7.3   | 1.0   | 6.8   | 6.1   | 26    | <0.1  | 0.4   | 0.2   | 67    | 0.37  |
| 11JM0519 | Soil                             | 1.7   | 63.7  | 28.6  | 127   | <0.1  | 7.4   | 8.7   | 580   | 3.50  | 5.0   | 0.9   | <0.5  | 8.3   | 17    | 0.2   | 0.3   | 0.5   | 47    | 0.21  |
| 11JM0520 | Soil                             | 0.5   | 35.5  | 42.4  | 197   | <0.1  | 22.3  | 19.0  | 974   | 4.45  | 2.3   | 0.9   | 3.8   | 4.9   | 37    | 0.3   | 0.4   | 0.2   | 98    | 0.78  |
| 11JM0521 | Soil                             | 0.5   | 33.2  | 11.4  | 149   | <0.1  | 5.3   | 7.9   | 613   | 3.76  | 1.7   | 0.9   | 1.3   | 10.1  | 10    | 0.1   | 0.2   | 0.3   | 40    | 0.16  |
| 11JM0522 | Soil                             | 1.0   | 22.8  | 10.6  | 57    | 0.1   | 23.1  | 10.4  | 308   | 3.07  | 10.9  | 0.6   | 4.3   | 5.3   | 19    | <0.1  | 0.5   | 0.2   | 62    | 0.15  |
| 11JM0523 | Soil                             | 1.9   | 22.6  | 9.6   | 69    | <0.1  | 26.8  | 9.4   | 322   | 2.95  | 5.8   | 0.8   | 28.8  | 9.4   | 28    | 0.1   | 0.4   | 0.2   | 56    | 0.23  |



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**Project:** None Given  
**Report Date:** October 29, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001567.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11JM0494 | Soil                             | 15    | 31    | 0.47  | 405   | 0.044 | <1    | 1.34  | 0.011 | 0.06  | 0.2   | 0.02  | 3.7   | <0.1  | <0.05 | 4     | <0.5  | 0.7   |
| 11JM0495 | Soil                             | 13    | 27    | 0.41  | 286   | 0.044 | <1    | 1.63  | 0.009 | 0.09  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | 0.2   |
| 11JM0496 | Soil                             | 17    | 21    | 0.34  | 352   | 0.038 | <1    | 1.19  | 0.009 | 0.11  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 3     | <0.5  | 0.3   |
| 11JM0497 | Soil                             | 18    | 19    | 0.33  | 397   | 0.039 | <1    | 1.12  | 0.012 | 0.10  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11JM0498 | Soil                             | 23    | 18    | 0.35  | 446   | 0.049 | <1    | 1.19  | 0.010 | 0.17  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11JM0499 | Soil                             | 18    | 20    | 0.39  | 377   | 0.054 | <1    | 1.25  | 0.010 | 0.16  | 0.2   | 0.02  | 3.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0500 | Soil                             | 23    | 21    | 0.85  | 358   | 0.138 | <1    | 1.94  | 0.017 | 0.69  | <0.1  | <0.01 | 4.9   | 0.4   | <0.05 | 6     | 0.8   | <0.2  |
| 11JM0501 | Soil                             | 34    | 15    | 0.42  | 328   | 0.058 | <1    | 1.51  | 0.008 | 0.39  | 0.1   | <0.01 | 3.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0502 | Soil                             | 17    | 19    | 0.44  | 345   | 0.070 | <1    | 1.51  | 0.013 | 0.18  | 0.2   | 0.02  | 2.8   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11JM0503 | Soil                             | 19    | 10    | 0.32  | 276   | 0.049 | <1    | 1.24  | 0.008 | 0.21  | 0.2   | <0.01 | 2.2   | 0.1   | <0.05 | 4     | 0.8   | 0.5   |
| 11JM0504 | Soil                             | 19    | 8     | 0.79  | 391   | 0.183 | <1    | 1.93  | 0.008 | 0.72  | 0.7   | 0.01  | 4.8   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11JM0505 | Soil                             | 26    | 16    | 0.79  | 333   | 0.061 | <1    | 2.10  | 0.008 | 0.29  | 0.1   | 0.02  | 3.3   | 0.2   | <0.05 | 6     | 1.0   | <0.2  |
| 11JM0506 | Soil                             | 19    | 13    | 0.56  | 293   | 0.047 | <1    | 1.93  | 0.007 | 0.25  | 0.1   | 0.01  | 2.6   | 0.2   | <0.05 | 6     | 1.1   | <0.2  |
| 11JM0507 | Soil                             | 18    | 13    | 0.44  | 150   | 0.059 | <1    | 1.67  | 0.010 | 0.30  | 0.1   | 0.02  | 2.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0508 | Soil                             | 26    | 10    | 0.38  | 285   | 0.033 | <1    | 1.49  | 0.008 | 0.34  | 0.1   | <0.01 | 2.1   | 0.2   | <0.05 | 5     | <0.5  | 0.3   |
| 11JM0509 | Soil                             | 21    | 21    | 0.92  | 332   | 0.079 | <1    | 2.05  | 0.009 | 0.31  | 0.1   | <0.01 | 4.1   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0510 | Soil                             | 24    | 23    | 0.44  | 413   | 0.056 | <1    | 1.66  | 0.011 | 0.14  | 0.2   | 0.02  | 4.1   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0511 | Soil                             | 15    | 15    | 0.39  | 325   | 0.049 | 2     | 1.67  | 0.008 | 0.27  | 0.2   | 0.02  | 3.4   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0512 | Soil                             | 16    | 20    | 0.37  | 330   | 0.029 | <1    | 1.86  | 0.008 | 0.16  | 0.1   | 0.03  | 3.3   | 0.2   | <0.05 | 4     | 1.0   | 0.5   |
| 11JM0513 | Soil                             | 12    | 28    | 0.55  | 302   | 0.029 | <1    | 2.75  | 0.008 | 0.14  | <0.1  | 0.03  | 4.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0514 | Soil                             | 18    | 23    | 0.39  | 350   | 0.032 | <1    | 2.22  | 0.008 | 0.14  | 0.1   | 0.01  | 3.0   | 0.2   | <0.05 | 5     | 0.7   | <0.2  |
| 11JM0515 | Soil                             | 24    | 31    | 0.63  | 395   | 0.065 | <1    | 2.29  | 0.012 | 0.13  | <0.1  | 0.03  | 5.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0516 | Soil                             | 13    | 47    | 0.81  | 236   | 0.097 | <1    | 2.71  | 0.012 | 0.15  | 0.1   | 0.01  | 4.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0517 | Soil                             | 9     | 31    | 1.17  | 236   | 0.194 | <1    | 2.28  | 0.021 | 0.35  | 0.1   | <0.01 | 3.8   | 0.3   | <0.05 | 8     | 0.7   | 0.4   |
| 11JM0518 | Soil                             | 16    | 37    | 0.90  | 189   | 0.133 | 2     | 2.09  | 0.021 | 0.12  | 0.1   | 0.02  | 5.2   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11JM0519 | Soil                             | 20    | 15    | 0.84  | 188   | 0.117 | <1    | 1.91  | 0.012 | 0.36  | <0.1  | <0.01 | 4.9   | 0.3   | <0.05 | 7     | <0.5  | 0.2   |
| 11JM0520 | Soil                             | 42    | 52    | 1.90  | 242   | 0.260 | <1    | 2.67  | 0.033 | 0.18  | <0.1  | 0.02  | 6.9   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 11JM0521 | Soil                             | 17    | 7     | 0.66  | 127   | 0.201 | <1    | 1.86  | 0.009 | 0.61  | 0.1   | <0.01 | 4.0   | 0.4   | <0.05 | 8     | 0.6   | <0.2  |
| 11JM0522 | Soil                             | 11    | 35    | 0.59  | 215   | 0.094 | <1    | 1.96  | 0.015 | 0.11  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0523 | Soil                             | 21    | 43    | 0.67  | 274   | 0.083 | <1    | 2.17  | 0.011 | 0.09  | 0.1   | 0.02  | 4.9   | 0.1   | <0.05 | 6     | <0.5  | 0.2   |



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**Project:** None Given  
**Report Date:** October 29, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001567.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11JM0524 | Soil                             | 1.7        | 19.5       | 12.5       | 63       | <0.1       | 23.9       | 8.7        | 322      | 2.79      | 6.4        | 0.7        | 39.2       | 7.5        | 25       | 0.1        | 0.3        | 0.2        | 53       | 0.22      |
| 11JM0525 | Soil                             | 1.4        | 20.6       | 10.1       | 60       | <0.1       | 23.5       | 8.9        | 320      | 2.93      | 8.1        | 0.7        | 18.0       | 7.7        | 28       | 0.2        | 0.5        | 0.2        | 61       | 0.19      |
| 11JM0526 | Soil                             | 1.4        | 20.3       | 10.1       | 58       | <0.1       | 19.3       | 7.6        | 340      | 2.43      | 6.0        | 1.0        | 10.1       | 9.8        | 31       | <0.1       | 0.4        | 0.1        | 51       | 0.25      |
| 11JM0527 | Soil                             | 2.3        | 5.0        | 10.2       | 49       | <0.1       | 2.6        | 2.1        | 110      | 1.54      | 3.4        | 0.5        | 32.3       | 9.5        | 197      | <0.1       | 0.2        | <0.1       | 8        | 0.11      |
| 11JM0528 | Soil                             | 2.1        | 8.3        | 7.3        | 38       | 0.1        | 2.9        | 1.8        | 187      | 1.68      | 2.3        | 0.6        | <0.5       | 8.1        | 220      | 0.2        | 0.2        | <0.1       | 11       | 0.16      |
| 11JM0529 | Soil                             | 2.6        | 28.9       | 13.0       | 75       | 0.2        | 25.9       | 11.2       | 343      | 3.20      | 9.7        | 0.7        | 5.9        | 7.0        | 23       | 0.2        | 0.6        | 0.2        | 59       | 0.18      |
| 11JM0530 | Soil                             | 26.9       | 48.7       | 26.4       | 122      | 0.2        | 10.0       | 7.2        | 353      | 3.41      | 6.2        | 0.8        | 396.6      | 7.5        | 13       | 0.4        | 0.6        | 0.7        | 33       | 0.10      |
| 11JM0531 | Soil                             | 6.2        | 66.6       | 19.6       | 153      | 0.3        | 15.6       | 7.8        | 542      | 3.43      | 7.6        | 2.1        | 49.6       | 6.0        | 26       | 0.6        | 0.5        | 0.6        | 51       | 0.26      |
| 11JM0532 | Soil                             | 7.5        | 116.4      | 39.8       | 177      | 0.6        | 12.9       | 7.3        | 493      | 3.41      | 13.4       | 3.0        | 60.0       | 9.6        | 38       | 0.5        | 0.9        | 0.8        | 37       | 0.45      |
| 11JM0533 | Soil                             | 2.0        | 26.0       | 16.8       | 71       | 0.1        | 22.0       | 12.2       | 496      | 3.62      | 4.4        | 0.8        | 6.9        | 3.9        | 37       | <0.1       | 0.3        | 0.3        | 83       | 0.52      |
| 11JM0534 | Soil                             | 0.8        | 61.6       | 11.7       | 77       | <0.1       | 189.7      | 28.7       | 762      | 4.56      | 2.6        | 1.6        | 5.3        | 9.6        | 211      | <0.1       | 0.2        | 0.3        | 114      | 1.62      |
| 11JM0535 | Soil                             | 2.1        | 13.0       | 10.9       | 60       | 0.1        | 19.2       | 7.1        | 307      | 2.89      | 4.1        | 0.9        | 3.6        | 3.9        | 22       | 0.2        | 0.2        | 0.4        | 56       | 0.35      |
| 11JM0536 | Soil                             | 2.1        | 23.3       | 11.4       | 76       | <0.1       | 15.8       | 9.1        | 345      | 3.29      | 8.8        | 0.7        | 7.6        | 6.1        | 15       | 0.2        | 0.4        | 0.3        | 66       | 0.14      |
| 11JM0537 | Soil                             | 4.2        | 18.3       | 11.8       | 73       | <0.1       | 14.2       | 7.7        | 347      | 3.05      | 9.1        | 0.5        | 23.2       | 4.4        | 17       | 0.2        | 0.3        | 0.3        | 59       | 0.13      |
| 11JM0538 | Soil                             | 3.5        | 16.0       | 12.5       | 54       | 0.2        | 15.2       | 6.5        | 218      | 2.99      | 14.4       | 0.6        | 9.6        | 4.1        | 18       | <0.1       | 0.4        | 0.3        | 62       | 0.15      |
| 11JM0539 | Soil                             | 4.7        | 36.3       | 16.9       | 105      | 0.2        | 14.7       | 7.3        | 320      | 4.02      | 10.3       | 0.6        | 49.3       | 3.6        | 18       | 0.3        | 0.5        | 0.4        | 72       | 0.14      |
| 11KJ0218 | Soil                             | 0.7        | 14.5       | 5.7        | 78       | <0.1       | 13.8       | 10.0       | 390      | 3.17      | 3.7        | 0.6        | 1.5        | 4.6        | 16       | <0.1       | 0.3        | <0.1       | 54       | 0.39      |
| 11KJ0226 | Soil                             | 2.0        | 66.2       | 7.2        | 51       | <0.1       | 11.0       | 6.1        | 282      | 2.46      | 4.3        | 1.7        | 7.7        | 9.8        | 21       | <0.1       | 0.3        | 0.1        | 37       | 0.29      |
| 11KJ0227 | Soil                             | 5.7        | 40.0       | 14.1       | 65       | 0.3        | 21.3       | 13.0       | 846      | 3.17      | 8.5        | 1.5        | 39.8       | 4.8        | 39       | 0.2        | 0.5        | 0.2        | 54       | 0.54      |
| 11KJ0228 | Soil                             | 3.3        | 33.8       | 10.4       | 62       | 0.2        | 18.4       | 10.2       | 504      | 3.03      | 7.5        | 1.0        | 60.1       | 5.7        | 26       | <0.1       | 0.4        | 0.6        | 56       | 0.29      |
| 11KJ0229 | Soil                             | 4.1        | 42.7       | 11.2       | 81       | 0.4        | 17.9       | 10.1       | 853      | 2.94      | 7.2        | 1.1        | 76.0       | 4.6        | 28       | 0.4        | 0.5        | 0.4        | 55       | 0.32      |
| 11KJ0230 | Soil                             | 6.7        | 63.2       | 15.1       | 84       | 0.5        | 30.0       | 18.3       | 2256     | 3.83      | 8.8        | 1.8        | 56.7       | 4.9        | 31       | 0.4        | 0.5        | 0.4        | 62       | 0.33      |
| 11KJ0231 | Soil                             | 2.7        | 35.8       | 10.3       | 71       | 0.2        | 16.6       | 6.5        | 273      | 3.22      | 8.7        | 0.6        | 41.5       | 4.3        | 15       | 0.1        | 0.5        | 0.5        | 62       | 0.14      |
| 11KJ0232 | Soil                             | 2.5        | 43.4       | 10.4       | 71       | 0.2        | 17.2       | 8.8        | 350      | 3.16      | 7.5        | 0.7        | 102.5      | 5.1        | 18       | 0.2        | 0.5        | 0.4        | 62       | 0.18      |
| 11KJ0233 | Soil                             | 3.4        | 45.3       | 9.5        | 74       | 0.1        | 14.5       | 7.2        | 338      | 2.87      | 6.4        | 0.8        | 73.8       | 5.1        | 17       | 0.2        | 0.6        | 0.4        | 49       | 0.17      |
| 11KJ0234 | Soil                             | 6.0        | 37.9       | 12.2       | 111      | 0.3        | 14.8       | 6.9        | 353      | 3.13      | 8.7        | 0.6        | 148.5      | 4.3        | 15       | 0.4        | 0.6        | 0.4        | 63       | 0.15      |
| 11KJ0235 | Soil                             | 2.0        | 31.2       | 10.7       | 65       | 0.3        | 20.6       | 9.8        | 294      | 3.02      | 9.2        | 0.7        | 56.4       | 4.4        | 14       | 0.1        | 0.6        | 0.3        | 61       | 0.12      |
| 11KJ0236 | Soil                             | 1.1        | 23.5       | 9.8        | 58       | <0.1       | 19.1       | 9.9        | 351      | 3.06      | 9.0        | 1.1        | 4.2        | 5.6        | 20       | <0.1       | 0.5        | 0.2        | 59       | 0.18      |
| 11KJ0243 | Soil                             | 1.2        | 35.5       | 10.3       | 64       | 0.1        | 30.7       | 12.6       | 537      | 3.05      | 8.8        | 1.8        | 18.9       | 5.6        | 26       | <0.1       | 0.5        | 0.2        | 63       | 0.28      |
| 11KJ0245 | Soil                             | 1.0        | 47.8       | 9.1        | 55       | <0.1       | 20.2       | 9.0        | 240      | 2.89      | 10.4       | 0.6        | 3.6        | 4.7        | 19       | <0.1       | 0.4        | 0.2        | 60       | 0.18      |





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**Project:** None Given  
**Report Date:** October 29, 2011

**Page:** 4 of 5 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001567.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11JM0524 | Soil                             | 17    | 38    | 0.59  | 240   | 0.077 | 1     | 2.04  | 0.013 | 0.09  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0525 | Soil                             | 16    | 35    | 0.55  | 247   | 0.075 | 1     | 2.25  | 0.015 | 0.08  | 0.1   | 0.02  | 3.6   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11JM0526 | Soil                             | 43    | 30    | 0.53  | 295   | 0.076 | <1    | 1.56  | 0.015 | 0.08  | 0.1   | <0.01 | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0527 | Soil                             | 15    | 6     | 0.17  | 870   | 0.006 | 1     | 1.41  | 0.006 | 0.09  | 0.2   | <0.01 | 2.1   | <0.1  | <0.05 | 3     | 0.5   | <0.2  |
| 11JM0528 | Soil                             | 20    | 5     | 0.16  | 1129  | 0.003 | <1    | 1.52  | 0.007 | 0.08  | <0.1  | 0.01  | 1.6   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11JM0529 | Soil                             | 13    | 35    | 0.58  | 310   | 0.070 | 1     | 2.52  | 0.012 | 0.10  | 0.1   | 0.03  | 3.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0530 | Soil                             | 19    | 17    | 0.24  | 171   | 0.007 | 1     | 1.86  | 0.006 | 0.09  | <0.1  | 0.03  | 3.0   | 0.1   | <0.05 | 4     | <0.5  | 0.6   |
| 11JM0531 | Soil                             | 24    | 26    | 0.41  | 441   | 0.049 | <1    | 1.63  | 0.010 | 0.11  | 0.1   | 0.04  | 4.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11JM0532 | Soil                             | 37    | 19    | 0.48  | 385   | 0.068 | <1    | 1.70  | 0.014 | 0.21  | 0.2   | 0.05  | 4.8   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0533 | Soil                             | 16    | 41    | 0.92  | 389   | 0.042 | <1    | 2.58  | 0.015 | 0.06  | <0.1  | 0.01  | 6.0   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11JM0534 | Soil                             | 65    | 235   | 3.66  | 2378  | 0.154 | 2     | 2.78  | 0.046 | 0.59  | <0.1  | 0.03  | 9.8   | 0.5   | <0.05 | 9     | 0.8   | <0.2  |
| 11JM0535 | Soil                             | 18    | 30    | 0.46  | 475   | 0.034 | 1     | 1.73  | 0.010 | 0.12  | 0.2   | 0.01  | 3.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0536 | Soil                             | 13    | 30    | 0.54  | 229   | 0.063 | 2     | 2.18  | 0.012 | 0.11  | 0.1   | 0.01  | 3.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0537 | Soil                             | 15    | 25    | 0.41  | 184   | 0.055 | 1     | 1.68  | 0.011 | 0.10  | 0.2   | 0.02  | 2.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11JM0538 | Soil                             | 14    | 29    | 0.43  | 190   | 0.068 | 1     | 1.57  | 0.011 | 0.09  | 0.1   | 0.02  | 2.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11JM0539 | Soil                             | 12    | 31    | 0.43  | 231   | 0.057 | 2     | 2.07  | 0.008 | 0.10  | 0.2   | 0.02  | 3.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0218 | Soil                             | 15    | 28    | 0.64  | 248   | 0.088 | 1     | 1.58  | 0.015 | 0.27  | <0.1  | <0.01 | 5.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0226 | Soil                             | 28    | 21    | 0.43  | 352   | 0.075 | <1    | 1.34  | 0.013 | 0.17  | 0.1   | 0.01  | 3.0   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11KJ0227 | Soil                             | 24    | 40    | 0.51  | 770   | 0.053 | 2     | 2.06  | 0.016 | 0.12  | 0.1   | 0.04  | 5.0   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11KJ0228 | Soil                             | 18    | 36    | 0.52  | 510   | 0.054 | 2     | 1.99  | 0.012 | 0.09  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0229 | Soil                             | 19    | 35    | 0.48  | 681   | 0.048 | 2     | 1.95  | 0.014 | 0.11  | 0.1   | 0.04  | 4.5   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11KJ0230 | Soil                             | 28    | 52    | 0.56  | 1287  | 0.039 | 2     | 2.85  | 0.011 | 0.12  | 0.1   | 0.07  | 7.1   | 0.2   | <0.05 | 8     | 1.1   | <0.2  |
| 11KJ0231 | Soil                             | 13    | 32    | 0.49  | 392   | 0.042 | 2     | 2.24  | 0.011 | 0.09  | 0.1   | 0.03  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0232 | Soil                             | 15    | 32    | 0.52  | 419   | 0.053 | 1     | 2.17  | 0.014 | 0.09  | 0.1   | 0.03  | 4.4   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11KJ0233 | Soil                             | 14    | 26    | 0.47  | 351   | 0.046 | 2     | 1.66  | 0.018 | 0.09  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11KJ0234 | Soil                             | 14    | 30    | 0.47  | 471   | 0.038 | 2     | 2.15  | 0.009 | 0.08  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0235 | Soil                             | 12    | 34    | 0.47  | 320   | 0.055 | 2     | 2.20  | 0.015 | 0.07  | 0.1   | 0.04  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0236 | Soil                             | 16    | 33    | 0.55  | 380   | 0.067 | 1     | 2.18  | 0.011 | 0.10  | 0.1   | 0.03  | 5.1   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11KJ0243 | Soil                             | 27    | 43    | 0.64  | 678   | 0.079 | 1     | 2.13  | 0.018 | 0.07  | 0.2   | 0.06  | 6.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0245 | Soil                             | 9     | 32    | 0.59  | 189   | 0.090 | 1     | 2.08  | 0.012 | 0.11  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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**Project:** None Given  
**Report Date:** October 29, 2011

**Page:** 5 of 5 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001567.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11KJ0246 | Soil                             | 1.6        | 176.8      | 12.8       | 132      | 0.1        | 13.8       | 11.9       | 323      | 3.97      | 10.3       | 0.9        | 1.9        | 5.7        | 14       | 0.1        | 0.4        | 1.4        | 52       | 0.14      |
| 11KJ0247 | Soil                             | 1.7        | 162.2      | 8.5        | 98       | 0.2        | 5.0        | 4.7        | 335      | 2.84      | 3.4        | 0.8        | 1.2        | 8.0        | 19       | <0.1       | 0.1        | 0.3        | 28       | 0.22      |
| 11KJ0248 | Soil                             | 0.9        | 130.4      | 9.1        | 59       | 0.1        | 11.4       | 5.5        | 193      | 2.73      | 5.8        | 0.6        | 2.9        | 8.9        | 17       | 0.1        | 0.3        | 0.3        | 36       | 0.15      |
| 11KJ0249 | Soil                             | 0.8        | 156.3      | 8.7        | 84       | <0.1       | 13.1       | 7.0        | 256      | 2.90      | 5.2        | 0.8        | 5.1        | 12.1       | 26       | 0.2        | 0.3        | 0.2        | 40       | 0.18      |
| 11KJ0250 | Soil                             | 3.0        | 47.5       | 11.5       | 67       | 0.4        | 18.9       | 8.3        | 406      | 3.33      | 10.4       | 0.5        | 32.2       | 3.7        | 15       | 0.1        | 0.5        | 0.4        | 67       | 0.14      |
| 11KJ0251 | Soil                             | 2.0        | 80.9       | 11.8       | 58       | 0.2        | 21.5       | 8.4        | 285      | 2.87      | 9.5        | 1.2        | 45.4       | 6.7        | 20       | <0.1       | 0.6        | 0.3        | 61       | 0.18      |
| 11KJ0252 | Soil                             | 3.1        | 47.0       | 12.2       | 60       | 1.5        | 27.7       | 10.8       | 306      | 3.11      | 11.8       | 0.5        | 98.1       | 4.0        | 16       | 0.1        | 0.7        | 0.3        | 68       | 0.16      |
| 11KJ0253 | Soil                             | 3.2        | 40.9       | 13.2       | 68       | 1.5        | 24.4       | 9.5        | 595      | 3.01      | 12.1       | 0.4        | 120.7      | 3.6        | 22       | 0.4        | 0.7        | 0.2        | 64       | 0.27      |
| 11KJ0254 | Soil                             | 3.3        | 117.1      | 13.4       | 67       | 0.6        | 14.4       | 7.0        | 347      | 3.52      | 13.2       | 0.6        | 11.1       | 5.1        | 17       | 0.1        | 4.7        | 0.8        | 53       | 0.14      |
| 11KJ0255 | Soil                             | 4.2        | 49.4       | 13.4       | 63       | 0.8        | 10.0       | 8.4        | 459      | 3.14      | 7.3        | 0.5        | 69.4       | 5.0        | 15       | 0.2        | 0.6        | 0.3        | 48       | 0.08      |
| 11KJ0256 | Soil                             | 2.4        | 28.4       | 12.1       | 67       | 0.2        | 18.2       | 8.6        | 304      | 3.15      | 10.9       | 0.6        | 15.9       | 3.8        | 15       | 0.2        | 0.7        | 0.2        | 62       | 0.12      |
| 11KJ0258 | Soil                             | 4.5        | 33.5       | 13.1       | 60       | <0.1       | 11.6       | 5.0        | 181      | 2.34      | 4.9        | 0.6        | 91.7       | 1.6        | 25       | 0.1        | 0.4        | 0.3        | 48       | 0.20      |
| 11KJ0259 | Soil                             | 3.8        | 36.5       | 12.2       | 51       | <0.1       | 15.8       | 8.9        | 275      | 2.80      | 7.7        | 0.6        | 31.9       | 4.1        | 16       | 0.2        | 0.4        | 0.3        | 50       | 0.15      |
| 11KJ0264 | Soil                             | 2.2        | 26.8       | 13.3       | 74       | 0.1        | 16.4       | 7.6        | 305      | 3.29      | 7.2        | 0.5        | 10.3       | 2.6        | 18       | 0.3        | 0.4        | 0.3        | 66       | 0.17      |
| 11KJ0266 | Soil                             | 1.0        | 28.0       | 31.4       | 147      | <0.1       | 13.8       | 12.1       | 740      | 3.81      | 3.8        | 0.5        | 2.4        | 4.2        | 34       | 0.2        | 0.2        | 0.2        | 67       | 0.34      |
| 11KJ0267 | Soil                             | 2.6        | 32.4       | 11.0       | 81       | <0.1       | 14.4       | 7.2        | 255      | 3.09      | 4.5        | 0.6        | 11.5       | 7.9        | 17       | <0.1       | 0.3        | 0.2        | 38       | 0.10      |
| 11KJ0268 | Soil                             | 1.1        | 51.5       | 11.0       | 85       | 0.1        | 10.0       | 7.4        | 481      | 3.34      | 5.1        | 0.6        | 1.4        | 6.0        | 19       | 0.2        | 0.3        | 0.2        | 45       | 0.24      |
| 11KJ0269 | Soil                             | 2.2        | 11.5       | 11.0       | 47       | 0.1        | 13.8       | 6.6        | 556      | 2.19      | 4.0        | 0.4        | 13.8       | 3.5        | 24       | 0.2        | 0.3        | 0.2        | 53       | 0.26      |
| 11KJ0270 | Soil                             | 2.2        | 16.5       | 10.2       | 53       | 0.2        | 18.9       | 7.0        | 305      | 2.67      | 8.1        | 0.6        | 10.6       | 4.7        | 24       | 0.1        | 0.5        | 0.2        | 64       | 0.22      |
| 11KJ0271 | Soil                             | 1.5        | 79.9       | 10.6       | 52       | 0.1        | 16.1       | 7.9        | 283      | 2.81      | 7.5        | 0.9        | 3.5        | 5.0        | 18       | <0.1       | 0.4        | 0.3        | 62       | 0.15      |
| 11KJ0272 | Soil                             | 2.9        | 53.2       | 10.4       | 65       | 0.1        | 17.4       | 8.5        | 347      | 3.02      | 8.3        | 1.3        | 1.7        | 7.2        | 18       | 0.2        | 0.5        | 0.4        | 56       | 0.17      |
| 11KJ0274 | Soil                             | 4.7        | 33.7       | 16.0       | 90       | <0.1       | 21.1       | 11.6       | 353      | 3.84      | 4.6        | 1.0        | 28.2       | 6.8        | 22       | <0.1       | 0.3        | 0.4        | 64       | 0.25      |
| 11KJ0277 | Soil                             | 13.4       | 30.3       | 17.1       | 88       | 0.1        | 16.5       | 8.8        | 331      | 3.29      | 7.0        | 0.8        | 173.7      | 6.6        | 32       | 0.3        | 0.6        | 0.5        | 47       | 0.23      |
| 11KJ0278 | Soil                             | 3.1        | 36.3       | 18.9       | 90       | 0.3        | 21.8       | 9.6        | 563      | 3.14      | 9.3        | 0.6        | 9.4        | 4.3        | 15       | 0.7        | 0.6        | 0.3        | 73       | 0.16      |
| 11KJ0279 | Soil                             | 2.6        | 65.1       | 26.7       | 124      | 0.6        | 29.8       | 10.2       | 290      | 3.30      | 10.7       | 0.6        | 33.1       | 5.1        | 16       | 0.7        | 0.6        | 0.3        | 74       | 0.15      |
| 11KJ0280 | Soil                             | 7.2        | 116.3      | 25.3       | 137      | 0.4        | 20.4       | 7.0        | 265      | 3.62      | 10.3       | 0.8        | 16.3       | 4.9        | 19       | 0.6        | 0.5        | 0.7        | 65       | 0.18      |
| 11KJ0282 | Soil                             | 1.8        | 28.8       | 16.8       | 74       | 0.2        | 22.4       | 11.6       | 324      | 3.14      | 7.8        | 0.7        | 7.4        | 7.7        | 18       | 0.2        | 0.4        | 0.3        | 54       | 0.19      |
| 11KJ0283 | Soil                             | 1.5        | 42.8       | 29.0       | 270      | 0.1        | 10.1       | 12.4       | 692      | 3.53      | 2.9        | 0.7        | 8.3        | 5.0        | 34       | 0.2        | 0.3        | 0.3        | 60       | 0.48      |
| 11KJ0284 | Soil                             | 3.0        | 32.9       | 17.7       | 113      | 0.3        | 14.5       | 13.1       | 520      | 3.42      | 5.9        | 0.8        | 13.4       | 5.1        | 20       | 0.2        | 0.3        | 0.3        | 67       | 0.26      |
| 11MS0132 | Soil                             | 1.8        | 17.2       | 11.9       | 71       | <0.1       | 15.3       | 9.0        | 414      | 3.76      | 10.5       | 0.7        | <0.5       | 4.8        | 19       | <0.1       | 0.6        | 0.1        | 58       | 0.19      |



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Project: None Given  
Report Date: October 29, 2011

Page: 5 of 5 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001567.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11KJ0246 | Soil                             | 15    | 21    | 0.87  | 264   | 0.114 | 1     | 3.08  | 0.012 | 0.57  | 0.2   | 0.02  | 3.9   | 0.6   | <0.05 | 8     | <0.5  | 0.3   |
| 11KJ0247 | Soil                             | 16    | 8     | 0.62  | 281   | 0.138 | <1    | 2.17  | 0.012 | 0.45  | <0.1  | 0.01  | 2.6   | 0.4   | <0.05 | 7     | 0.6   | <0.2  |
| 11KJ0248 | Soil                             | 16    | 18    | 0.51  | 212   | 0.047 | <1    | 1.97  | 0.010 | 0.21  | <0.1  | 0.01  | 2.4   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11KJ0249 | Soil                             | 26    | 21    | 0.52  | 291   | 0.085 | <1    | 1.98  | 0.012 | 0.28  | <0.1  | 0.01  | 3.4   | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| 11KJ0250 | Soil                             | 11    | 33    | 0.50  | 311   | 0.049 | 1     | 2.23  | 0.012 | 0.09  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0251 | Soil                             | 18    | 37    | 0.54  | 537   | 0.059 | 1     | 2.24  | 0.015 | 0.07  | 0.1   | 0.03  | 5.4   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11KJ0252 | Soil                             | 10    | 38    | 0.56  | 416   | 0.065 | 1     | 2.69  | 0.010 | 0.09  | 0.1   | 0.04  | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0253 | Soil                             | 9     | 34    | 0.51  | 478   | 0.056 | 2     | 2.34  | 0.012 | 0.09  | 0.1   | 0.04  | 3.1   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11KJ0254 | Soil                             | 13    | 24    | 0.36  | 331   | 0.021 | <1    | 2.24  | 0.007 | 0.11  | 0.2   | 0.02  | 2.9   | 0.1   | <0.05 | 7     | <0.5  | 0.3   |
| 11KJ0255 | Soil                             | 15    | 22    | 0.26  | 251   | 0.019 | <1    | 1.94  | 0.010 | 0.11  | 0.1   | 0.03  | 2.5   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |
| 11KJ0256 | Soil                             | 10    | 32    | 0.46  | 269   | 0.053 | 2     | 2.27  | 0.010 | 0.07  | 0.1   | 0.03  | 3.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0258 | Soil                             | 17    | 21    | 0.33  | 311   | 0.032 | 16    | 1.65  | 0.010 | 0.07  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0259 | Soil                             | 12    | 26    | 0.42  | 211   | 0.045 | 1     | 1.80  | 0.009 | 0.07  | 0.1   | 0.02  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0264 | Soil                             | 13    | 30    | 0.51  | 223   | 0.065 | <1    | 2.24  | 0.010 | 0.08  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11KJ0266 | Soil                             | 7     | 29    | 1.15  | 255   | 0.141 | <1    | 2.27  | 0.013 | 0.27  | <0.1  | <0.01 | 3.7   | 0.2   | <0.05 | 8     | 0.7   | <0.2  |
| 11KJ0267 | Soil                             | 12    | 18    | 0.52  | 177   | 0.070 | <1    | 1.92  | 0.008 | 0.28  | <0.1  | 0.01  | 3.3   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0268 | Soil                             | 8     | 15    | 0.61  | 184   | 0.147 | <1    | 1.79  | 0.012 | 0.40  | 0.1   | 0.02  | 3.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11KJ0269 | Soil                             | 13    | 22    | 0.38  | 341   | 0.048 | <1    | 1.29  | 0.013 | 0.10  | 0.1   | <0.01 | 2.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0270 | Soil                             | 15    | 33    | 0.41  | 288   | 0.072 | 2     | 1.79  | 0.011 | 0.07  | 0.1   | 0.01  | 3.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0271 | Soil                             | 12    | 32    | 0.45  | 227   | 0.078 | <1    | 1.93  | 0.012 | 0.08  | 0.2   | 0.02  | 3.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0272 | Soil                             | 19    | 32    | 0.44  | 223   | 0.067 | <1    | 1.77  | 0.010 | 0.11  | 0.1   | 0.01  | 3.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0274 | Soil                             | 20    | 31    | 0.68  | 280   | 0.064 | <1    | 2.42  | 0.013 | 0.16  | 0.1   | 0.01  | 5.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0277 | Soil                             | 16    | 25    | 0.42  | 270   | 0.037 | 1     | 2.22  | 0.008 | 0.12  | <0.1  | 0.02  | 3.5   | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| 11KJ0278 | Soil                             | 13    | 36    | 0.47  | 374   | 0.067 | 1     | 2.30  | 0.010 | 0.08  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0279 | Soil                             | 10    | 40    | 0.58  | 389   | 0.081 | <1    | 2.67  | 0.012 | 0.07  | 0.1   | 0.03  | 3.9   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11KJ0280 | Soil                             | 16    | 31    | 0.51  | 397   | 0.054 | 1     | 2.17  | 0.009 | 0.09  | 0.1   | 0.03  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0282 | Soil                             | 13    | 31    | 0.55  | 240   | 0.072 | <1    | 2.59  | 0.010 | 0.11  | 0.1   | 0.06  | 3.6   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11KJ0283 | Soil                             | 26    | 17    | 0.95  | 361   | 0.104 | 2     | 2.45  | 0.006 | 0.33  | 0.2   | 0.02  | 3.0   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 11KJ0284 | Soil                             | 12    | 24    | 0.71  | 218   | 0.130 | <1    | 2.23  | 0.010 | 0.20  | 0.1   | 0.04  | 3.5   | 0.2   | <0.05 | 6     | 0.5   | <0.2  |
| 11MS0132 | Soil                             | 11    | 24    | 0.66  | 341   | 0.102 | 1     | 2.05  | 0.011 | 0.28  | 0.1   | 0.02  | 3.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |



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Project: None Given

Report Date: October 29, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001567.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11JM0475            | Soil                             | 9.5   | 145.7 | 12.4  | 148   | 0.2   | 6.5   | 7.9   | 1025  | 2.79  | 4.1   | 0.8   | <0.5  | 10.5  | 17    | 0.3   | 0.2   | 1.0   | 27    | 0.14  | 0.045  |
| REP 11JM0475        | QC                               | 9.8   | 144.6 | 12.8  | 149   | 0.2   | 6.3   | 7.9   | 1000  | 2.69  | 4.3   | 0.7   | 3.1   | 10.9  | 17    | 0.4   | 0.3   | 1.1   | 27    | 0.14  | 0.043  |
| 11JM0498            | Soil                             | 5.0   | 70.0  | 17.3  | 94    | 0.3   | 12.8  | 6.1   | 410   | 2.50  | 5.1   | 1.2   | 74.9  | 6.1   | 31    | 0.3   | 0.5   | 0.4   | 31    | 0.25  | 0.032  |
| REP 11JM0498        | QC                               | 5.0   | 70.6  | 17.2  | 97    | 0.3   | 12.8  | 5.9   | 407   | 2.46  | 5.2   | 1.2   | 50.7  | 6.2   | 31    | 0.3   | 0.4   | 0.5   | 31    | 0.25  | 0.031  |
| 11JM0511            | Soil                             | 2.3   | 28.8  | 10.2  | 84    | 0.4   | 8.1   | 7.3   | 883   | 4.00  | 4.8   | 0.6   | 1.0   | 3.7   | 15    | 0.3   | 0.4   | 1.1   | 52    | 0.15  | 0.047  |
| REP 11JM0511        | QC                               | 2.7   | 27.7  | 10.1  | 85    | 0.4   | 8.5   | 7.3   | 883   | 3.93  | 4.4   | 0.6   | 2.9   | 3.4   | 15    | 0.2   | 0.4   | 1.1   | 52    | 0.14  | 0.047  |
| 11JM0526            | Soil                             | 1.4   | 20.3  | 10.1  | 58    | <0.1  | 19.3  | 7.6   | 340   | 2.43  | 6.0   | 1.0   | 10.1  | 9.8   | 31    | <0.1  | 0.4   | 0.1   | 51    | 0.25  | 0.021  |
| REP 11JM0526        | QC                               | 1.2   | 20.4  | 9.7   | 60    | <0.1  | 18.5  | 7.8   | 333   | 2.45  | 5.8   | 0.9   | 5.3   | 10.1  | 30    | <0.1  | 0.4   | 0.1   | 51    | 0.23  | 0.021  |
| 11JM0534            | Soil                             | 0.8   | 61.6  | 11.7  | 77    | <0.1  | 189.7 | 28.7  | 762   | 4.56  | 2.6   | 1.6   | 5.3   | 9.6   | 211   | <0.1  | 0.2   | 0.3   | 114   | 1.62  | 0.359  |
| REP 11JM0534        | QC                               | 0.7   | 48.3  | 9.3   | 63    | <0.1  | 151.1 | 22.7  | 600   | 3.53  | 2.0   | 1.2   | 3.9   | 7.5   | 169   | <0.1  | 0.1   | 0.2   | 89    | 1.27  | 0.294  |
| 11KJ0234            | Soil                             | 6.0   | 37.9  | 12.2  | 111   | 0.3   | 14.8  | 6.9   | 353   | 3.13  | 8.7   | 0.6   | 148.5 | 4.3   | 15    | 0.4   | 0.6   | 0.4   | 63    | 0.15  | 0.027  |
| REP 11KJ0234        | QC                               | 5.9   | 38.3  | 11.9  | 107   | 0.3   | 14.4  | 6.8   | 338   | 3.01  | 8.3   | 0.6   | 72.9  | 4.1   | 15    | 0.3   | 0.5   | 0.4   | 60    | 0.14  | 0.025  |
| 11KJ0264            | Soil                             | 2.2   | 26.8  | 13.3  | 74    | 0.1   | 16.4  | 7.6   | 305   | 3.29  | 7.2   | 0.5   | 10.3  | 2.6   | 18    | 0.3   | 0.4   | 0.3   | 66    | 0.17  | 0.040  |
| REP 11KJ0264        | QC                               | 2.1   | 27.0  | 14.2  | 74    | 0.1   | 16.7  | 8.3   | 305   | 3.38  | 7.2   | 0.5   | 11.3  | 2.6   | 18    | 0.2   | 0.4   | 0.3   | 67    | 0.16  | 0.039  |
| 11KJ0272            | Soil                             | 2.9   | 53.2  | 10.4  | 65    | 0.1   | 17.4  | 8.5   | 347   | 3.02  | 8.3   | 1.3   | 1.7   | 7.2   | 18    | 0.2   | 0.5   | 0.4   | 56    | 0.17  | 0.021  |
| REP 11KJ0272        | QC                               | 2.5   | 50.5  | 9.9   | 64    | 0.1   | 16.6  | 8.1   | 331   | 2.92  | 7.7   | 1.3   | 2.2   | 6.9   | 17    | 0.1   | 0.4   | 0.4   | 53    | 0.15  | 0.021  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 11.5  | 109.5 | 127.6 | 303   | 1.8   | 39.6  | 7.8   | 586   | 2.39  | 26.7  | 2.7   | 114.4 | 6.2   | 62    | 2.5   | 5.4   | 7.0   | 43    | 0.64  | 0.081  |
| STD DS8             | Standard                         | 13.4  | 100.7 | 127.1 | 304   | 1.7   | 38.5  | 7.8   | 611   | 2.46  | 26.7  | 2.7   | 118.2 | 6.2   | 64    | 2.2   | 5.3   | 6.4   | 45    | 0.69  | 0.082  |
| STD DS8             | Standard                         | 12.7  | 104.1 | 122.1 | 293   | 1.7   | 36.2  | 7.0   | 588   | 2.33  | 24.3  | 2.9   | 147.8 | 7.0   | 73    | 2.5   | 5.5   | 6.8   | 40    | 0.70  | 0.074  |
| STD DS8             | Standard                         | 15.1  | 112.4 | 133.2 | 311   | 1.8   | 39.1  | 7.9   | 615   | 2.47  | 25.1  | 3.1   | 122.2 | 7.4   | 74    | 2.1   | 5.6   | 6.7   | 44    | 0.69  | 0.077  |
| STD DS8             | Standard                         | 13.8  | 116.0 | 120.1 | 320   | 1.8   | 38.5  | 7.7   | 616   | 2.48  | 26.4  | 3.1   | 111.4 | 7.5   | 68    | 2.4   | 5.9   | 6.2   | 43    | 0.70  | 0.076  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Report Date: October 29, 2011

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001567.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11JM0475            | Soil                             | 29    | 11    | 0.36   | 319   | 0.052  | <1    | 1.22  | 0.009  | 0.37  | 0.4   | 0.01  | 1.7   | 0.2   | <0.05  | 5     | <0.5  | <0.2  |
| REP 11JM0475        | QC                               | 29    | 11    | 0.35   | 317   | 0.052  | <1    | 1.19  | 0.009  | 0.36  | 0.4   | 0.02  | 1.7   | 0.2   | <0.05  | 5     | <0.5  | <0.2  |
| 11JM0498            | Soil                             | 23    | 18    | 0.35   | 446   | 0.049  | <1    | 1.19  | 0.010  | 0.17  | 0.1   | 0.02  | 3.2   | 0.1   | <0.05  | 4     | <0.5  | <0.2  |
| REP 11JM0498        | QC                               | 23    | 18    | 0.34   | 444   | 0.049  | <1    | 1.14  | 0.011  | 0.17  | 0.2   | 0.02  | 3.2   | 0.1   | <0.05  | 4     | <0.5  | <0.2  |
| 11JM0511            | Soil                             | 15    | 15    | 0.39   | 325   | 0.049  | 2     | 1.67  | 0.008  | 0.27  | 0.2   | 0.02  | 3.4   | 0.2   | <0.05  | 5     | <0.5  | <0.2  |
| REP 11JM0511        | QC                               | 14    | 15    | 0.38   | 313   | 0.048  | <1    | 1.61  | 0.007  | 0.28  | 0.2   | 0.02  | 3.4   | 0.2   | <0.05  | 5     | <0.5  | <0.2  |
| 11JM0526            | Soil                             | 43    | 30    | 0.53   | 295   | 0.076  | <1    | 1.56  | 0.015  | 0.08  | 0.1   | <0.01 | 3.9   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| REP 11JM0526        | QC                               | 43    | 30    | 0.53   | 286   | 0.074  | 1     | 1.56  | 0.015  | 0.07  | 0.2   | 0.01  | 3.9   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| 11JM0534            | Soil                             | 65    | 235   | 3.66   | 2378  | 0.154  | 2     | 2.78  | 0.046  | 0.59  | <0.1  | 0.03  | 9.8   | 0.5   | <0.05  | 9     | 0.8   | <0.2  |
| REP 11JM0534        | QC                               | 52    | 184   | 2.80   | 1739  | 0.119  | 2     | 2.23  | 0.031  | 0.47  | <0.1  | 0.02  | 7.7   | 0.4   | <0.05  | 7     | <0.5  | <0.2  |
| 11KJ0234            | Soil                             | 14    | 30    | 0.47   | 471   | 0.038  | 2     | 2.15  | 0.009  | 0.08  | 0.1   | 0.03  | 3.9   | 0.1   | <0.05  | 7     | <0.5  | <0.2  |
| REP 11KJ0234        | QC                               | 13    | 28    | 0.45   | 454   | 0.033  | 2     | 2.01  | 0.009  | 0.08  | 0.1   | 0.03  | 3.7   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| 11KJ0264            | Soil                             | 13    | 30    | 0.51   | 223   | 0.065  | <1    | 2.24  | 0.010  | 0.08  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11KJ0264        | QC                               | 13    | 29    | 0.49   | 220   | 0.065  | <1    | 2.18  | 0.010  | 0.08  | 0.1   | 0.02  | 3.3   | 0.2   | <0.05  | 8     | <0.5  | <0.2  |
| 11KJ0272            | Soil                             | 19    | 32    | 0.44   | 223   | 0.067  | <1    | 1.77  | 0.010  | 0.11  | 0.1   | 0.01  | 3.1   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| REP 11KJ0272        | QC                               | 18    | 30    | 0.41   | 222   | 0.063  | 2     | 1.68  | 0.010  | 0.11  | 0.1   | 0.02  | 2.8   | <0.1  | <0.05  | 5     | 0.6   | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 12    | 116   | 0.59   | 265   | 0.113  | 1     | 0.88  | 0.084  | 0.43  | 2.9   | 0.19  | 2.4   | 5.5   | 0.17   | 4     | 4.6   | 4.7   |
| STD DS8             | Standard                         | 15    | 114   | 0.59   | 282   | 0.114  | 2     | 0.93  | 0.091  | 0.42  | 3.0   | 0.19  | 2.5   | 5.5   | 0.18   | 5     | 5.2   | 5.3   |
| STD DS8             | Standard                         | 16    | 111   | 0.57   | 283   | 0.113  | 3     | 0.96  | 0.107  | 0.45  | 2.9   | 0.20  | 2.5   | 5.5   | 0.13   | 5     | 5.0   | 4.8   |
| STD DS8             | Standard                         | 16    | 122   | 0.63   | 278   | 0.126  | 3     | 0.98  | 0.077  | 0.44  | 3.2   | 0.20  | 2.7   | 5.7   | 0.14   | 5     | 6.2   | 4.9   |
| STD DS8             | Standard                         | 17    | 120   | 0.57   | 281   | 0.122  | 2     | 0.85  | 0.081  | 0.39  | 2.9   | 0.19  | 2.3   | 5.3   | 0.10   | 5     | 5.1   | 5.1   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: September 22, 2011

Report Date: December 04, 2011

Page: 1 of 6

## CERTIFICATE OF ANALYSIS

WHI11001849.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-47  
P.O. Number  
Number of Samples: 137

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 137               | Dry at 60C sieve 100g to -80 mesh          |              |               | VAN |
| Dry at 60C  | 137               | Dry at 60C                                 |              |               | VAN |
| RJSV        | 137               | Saving all or part of Soil Reject          |              |               | VAN |
| 1DX2        | 137               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: December 04, 2011

Page: 2 of 6 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11YM0141 | Soil | 1.5                              | 15.5  | 9.4   | 59    | <0.1  | 14.0  | 8.5   | 306   | 4.08  | 11.0  | 0.5   | 5.1   | 2.5   | 11    | 0.1   | 0.4   | 0.3   | 95    | 0.15  | 0.079 |      |
| 11YM0142 | Soil | 0.9                              | 15.8  | 7.7   | 70    | <0.1  | 16.1  | 13.4  | 399   | 3.67  | 7.5   | 0.4   | 1.5   | 2.5   | 19    | 0.1   | 0.4   | 0.2   | 94    | 0.24  | 0.050 |      |
| 11YM0143 | Soil | 0.7                              | 14.0  | 10.0  | 43    | <0.1  | 12.7  | 7.4   | 222   | 3.22  | 8.2   | 0.9   | 2.1   | 4.3   | 16    | <0.1  | 0.5   | 0.3   | 69    | 0.14  | 0.045 |      |
| 11YM0144 | Soil | 1.0                              | 74.6  | 6.6   | 58    | <0.1  | 16.9  | 15.4  | 569   | 3.15  | 5.4   | 0.5   | 5.2   | 3.1   | 26    | <0.1  | 0.3   | 0.2   | 69    | 0.38  | 0.051 |      |
| 11YM0145 | Soil | 5.8                              | 121.8 | 5.1   | 72    | 0.3   | 18.1  | 17.8  | 643   | 4.73  | 24.6  | 0.9   | 3.7   | 2.9   | 56    | <0.1  | 0.3   | 0.1   | 106   | 0.62  | 0.069 |      |
| 11YM0146 | Soil | 1.9                              | 36.0  | 6.8   | 48    | 0.2   | 11.8  | 8.0   | 252   | 2.15  | 3.4   | 0.7   | 2.3   | 1.6   | 39    | 0.2   | 0.3   | 0.1   | 47    | 0.84  | 0.062 |      |
| 11YM0147 | Soil | 2.2                              | 21.5  | 8.2   | 54    | 0.1   | 11.9  | 6.6   | 185   | 2.34  | 3.2   | 0.5   | 1.1   | 2.3   | 30    | <0.1  | 0.2   | 0.1   | 55    | 0.58  | 0.062 |      |
| 11YM0148 | Soil | 1.8                              | 29.5  | 6.5   | 69    | 0.2   | 11.5  | 8.6   | 186   | 2.79  | 3.5   | 0.6   | 1.2   | 2.0   | 28    | <0.1  | 0.2   | <0.1  | 69    | 0.59  | 0.114 |      |
| 11YM0149 | Soil | 1.8                              | 22.9  | 7.8   | 58    | 0.1   | 10.3  | 6.1   | 160   | 2.41  | 4.8   | 0.8   | 0.5   | 1.5   | 24    | <0.1  | 0.2   | 0.1   | 58    | 0.41  | 0.091 |      |
| 11YM0150 | Soil | 2.7                              | 21.3  | 5.9   | 69    | <0.1  | 11.5  | 10.3  | 311   | 2.91  | 5.7   | 0.6   | 1.4   | 2.5   | 22    | <0.1  | 0.2   | <0.1  | 85    | 0.40  | 0.108 |      |
| 11YM0151 | Soil | 1.6                              | 20.0  | 7.7   | 73    | 0.1   | 11.3  | 8.9   | 239   | 2.96  | 6.9   | 0.7   | 1.5   | 2.1   | 21    | <0.1  | 0.3   | <0.1  | 70    | 0.34  | 0.098 |      |
| 11YM0152 | Soil | 1.3                              | 26.4  | 7.4   | 69    | 0.1   | 12.2  | 10.8  | 314   | 3.13  | 5.6   | 0.9   | 3.6   | 1.9   | 22    | <0.1  | 0.2   | 0.1   | 74    | 0.42  | 0.136 |      |
| 11YM0153 | Soil | 0.9                              | 16.5  | 6.4   | 60    | 0.1   | 10.5  | 9.1   | 220   | 2.57  | 4.3   | 0.6   | 2.5   | 1.6   | 25    | <0.1  | 0.2   | <0.1  | 65    | 0.46  | 0.151 |      |
| 11YM0154 | Soil | 1.1                              | 18.1  | 7.1   | 69    | 0.1   | 12.7  | 9.6   | 240   | 2.92  | 4.3   | 0.6   | <0.5  | 1.6   | 23    | <0.1  | 0.2   | <0.1  | 77    | 0.40  | 0.125 |      |
| 11YM0155 | Soil | 0.8                              | 25.0  | 7.1   | 65    | <0.1  | 13.2  | 10.9  | 311   | 3.14  | 4.9   | 0.9   | 1.9   | 2.1   | 30    | <0.1  | 0.2   | <0.1  | 75    | 0.52  | 0.142 |      |
| 11YM0156 | Soil | 0.6                              | 25.1  | 8.1   | 74    | <0.1  | 17.0  | 14.0  | 458   | 3.22  | 5.6   | 1.0   | 2.5   | 2.4   | 31    | 0.2   | 0.2   | <0.1  | 70    | 0.53  | 0.114 |      |
| 11YM0157 | Soil | 0.3                              | 29.1  | 7.6   | 70    | <0.1  | 16.8  | 11.6  | 223   | 2.65  | 4.9   | 1.0   | 7.3   | 3.2   | 29    | 0.1   | 0.3   | <0.1  | 73    | 0.57  | 0.112 |      |
| 11YM0158 | Soil | 0.4                              | 34.4  | 9.9   | 75    | 0.1   | 21.8  | 10.7  | 491   | 2.92  | 4.7   | 1.4   | <0.5  | 2.5   | 57    | 0.4   | 0.3   | <0.1  | 70    | 1.77  | 0.102 |      |
| 11YM0159 | Soil | 0.6                              | 79.1  | 8.0   | 72    | 0.2   | 31.6  | 14.0  | 603   | 3.26  | 5.9   | 0.9   | 1.2   | 2.4   | 56    | 0.2   | 0.4   | 0.1   | 79    | 1.52  | 0.116 |      |
| 11YM0160 | Soil | 0.8                              | 66.9  | 6.6   | 76    | <0.1  | 51.7  | 18.7  | 946   | 3.41  | 4.5   | 0.9   | 1.6   | 1.7   | 79    | 0.3   | 0.3   | <0.1  | 80    | 2.11  | 0.201 |      |
| 11YM0161 | Soil | 0.9                              | 29.3  | 7.0   | 49    | 0.1   | 21.7  | 9.7   | 338   | 2.32  | 7.5   | 1.1   | 1.7   | 2.1   | 50    | 0.1   | 0.5   | 0.1   | 52    | 1.31  | 0.086 |      |
| 11YM0162 | Soil | 0.3                              | 36.4  | 6.0   | 44    | <0.1  | 20.2  | 8.6   | 340   | 2.12  | 6.0   | 1.0   | 1.2   | 1.4   | 72    | 0.2   | 0.5   | <0.1  | 47    | 2.38  | 0.091 |      |
| 11YM0163 | Soil | 0.2                              | 29.0  | 7.5   | 51    | <0.1  | 20.5  | 9.1   | 510   | 2.28  | 6.3   | 0.7   | 3.4   | 1.8   | 48    | 0.2   | 0.3   | <0.1  | 54    | 1.86  | 0.077 |      |
| 11YM0164 | Soil | 0.3                              | 42.4  | 6.9   | 52    | <0.1  | 21.2  | 9.0   | 475   | 2.33  | 6.4   | 0.5   | 2.7   | 2.1   | 54    | 0.2   | 0.3   | <0.1  | 56    | 2.98  | 0.071 |      |
| 11YM0165 | Soil | 0.4                              | 25.3  | 8.5   | 63    | <0.1  | 18.7  | 10.2  | 427   | 2.50  | 3.9   | 1.4   | 20.2  | 2.3   | 35    | 0.1   | 0.2   | <0.1  | 52    | 1.47  | 0.092 |      |
| 11YM0166 | Soil | 1.7                              | 21.1  | 8.3   | 44    | <0.1  | 14.7  | 6.0   | 383   | 2.25  | 4.2   | 0.7   | 24.7  | 1.9   | 27    | <0.1  | 0.2   | <0.1  | 37    | 0.53  | 0.065 |      |
| 11YM0167 | Soil | 1.5                              | 36.7  | 6.9   | 138   | <0.1  | 13.2  | 18.1  | 875   | 5.20  | 3.9   | 0.6   | 1.8   | 4.3   | 17    | 0.1   | 0.3   | <0.1  | 115   | 0.48  | 0.150 |      |
| 11YM0168 | Soil | 0.7                              | 10.9  | 6.1   | 55    | <0.1  | 14.0  | 8.5   | 506   | 2.95  | 5.8   | 0.4   | <0.5  | 2.5   | 71    | <0.1  | 0.2   | <0.1  | 79    | 0.60  | 0.085 |      |
| 11YM0169 | Soil | 0.3                              | 7.2   | 4.7   | 50    | <0.1  | 10.9  | 7.0   | 442   | 2.33  | 3.2   | 0.4   | 3.4   | 2.6   | 51    | <0.1  | 0.2   | <0.1  | 63    | 0.52  | 0.107 |      |
| 11YM0170 | Soil | 1.3                              | 9.4   | 10.0  | 41    | 0.1   | 11.4  | 5.9   | 203   | 3.34  | 9.6   | 0.5   | 1.5   | 3.2   | 22    | <0.1  | 0.4   | 0.2   | 85    | 0.16  | 0.064 |      |



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**Project:** Mariposa  
**Report Date:** December 04, 2011

**Page:** 2 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0141 | Soil                             | 9     | 32    | 0.67  | 117   | 0.099 | 1     | 2.20  | 0.010 | 0.10  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0142 | Soil                             | 8     | 31    | 0.90  | 330   | 0.140 | <1    | 2.41  | 0.023 | 0.25  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0143 | Soil                             | 14    | 32    | 0.56  | 201   | 0.086 | <1    | 2.44  | 0.009 | 0.12  | 0.1   | 0.04  | 3.3   | 0.2   | <0.05 | 7     | 0.7   | <0.2  |
| 11YM0144 | Soil                             | 12    | 33    | 1.25  | 209   | 0.152 | <1    | 2.21  | 0.022 | 0.22  | <0.1  | 0.02  | 3.5   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| 11YM0145 | Soil                             | 13    | 28    | 1.64  | 387   | 0.154 | <1    | 2.52  | 0.022 | 0.49  | <0.1  | 0.04  | 8.3   | 0.2   | 0.29  | 9     | <0.5  | <0.2  |
| 11YM0146 | Soil                             | 9     | 20    | 0.72  | 300   | 0.078 | <1    | 1.50  | 0.014 | 0.10  | <0.1  | 0.06  | 3.7   | <0.1  | 0.10  | 5     | <0.5  | <0.2  |
| 11YM0147 | Soil                             | 8     | 27    | 0.77  | 248   | 0.087 | <1    | 1.68  | 0.015 | 0.07  | <0.1  | 0.04  | 3.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0148 | Soil                             | 8     | 26    | 0.89  | 290   | 0.134 | <1    | 1.82  | 0.027 | 0.24  | <0.1  | 0.05  | 4.1   | <0.1  | 0.07  | 7     | 0.5   | <0.2  |
| 11YM0149 | Soil                             | 10    | 24    | 0.66  | 224   | 0.080 | <1    | 1.63  | 0.021 | 0.07  | 0.1   | 0.05  | 3.4   | <0.1  | 0.06  | 6     | <0.5  | <0.2  |
| 11YM0150 | Soil                             | 10    | 24    | 0.87  | 168   | 0.122 | <1    | 1.70  | 0.023 | 0.14  | <0.1  | 0.03  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0151 | Soil                             | 10    | 22    | 0.77  | 229   | 0.114 | 1     | 1.81  | 0.014 | 0.09  | 0.1   | 0.06  | 4.2   | 0.1   | 0.05  | 7     | <0.5  | <0.2  |
| 11YM0152 | Soil                             | 11    | 25    | 0.87  | 286   | 0.116 | 1     | 1.91  | 0.017 | 0.16  | 0.1   | 0.04  | 4.6   | <0.1  | 0.06  | 7     | <0.5  | <0.2  |
| 11YM0153 | Soil                             | 9     | 23    | 0.87  | 273   | 0.121 | <1    | 1.67  | 0.024 | 0.21  | <0.1  | 0.04  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0154 | Soil                             | 10    | 30    | 1.14  | 289   | 0.147 | 1     | 1.97  | 0.017 | 0.22  | <0.1  | 0.04  | 3.9   | 0.1   | 0.06  | 7     | 0.5   | <0.2  |
| 11YM0155 | Soil                             | 12    | 28    | 1.02  | 384   | 0.108 | 1     | 1.85  | 0.024 | 0.10  | 0.2   | 0.04  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0156 | Soil                             | 15    | 30    | 1.04  | 455   | 0.093 | 2     | 1.98  | 0.019 | 0.08  | 0.2   | 0.05  | 4.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0157 | Soil                             | 15    | 27    | 0.89  | 313   | 0.089 | <1    | 1.80  | 0.026 | 0.06  | <0.1  | 0.05  | 4.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0158 | Soil                             | 15    | 32    | 2.23  | 368   | 0.067 | 2     | 2.10  | 0.019 | 0.06  | <0.1  | 0.05  | 5.5   | <0.1  | 0.06  | 7     | 0.8   | <0.2  |
| 11YM0159 | Soil                             | 13    | 43    | 1.57  | 347   | 0.083 | 3     | 2.03  | 0.023 | 0.05  | 0.2   | 0.05  | 5.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0160 | Soil                             | 10    | 59    | 1.85  | 301   | 0.122 | 3     | 1.99  | 0.033 | 0.06  | 0.1   | 0.03  | 4.6   | <0.1  | 0.09  | 8     | 0.5   | <0.2  |
| 11YM0161 | Soil                             | 10    | 30    | 0.60  | 224   | 0.059 | 2     | 1.40  | 0.024 | 0.04  | 0.2   | 0.04  | 3.3   | <0.1  | 0.07  | 4     | 1.0   | <0.2  |
| 11YM0162 | Soil                             | 10    | 25    | 1.10  | 244   | 0.059 | 3     | 1.44  | 0.023 | 0.04  | 0.1   | 0.05  | 2.8   | <0.1  | 0.08  | 4     | 0.7   | <0.2  |
| 11YM0163 | Soil                             | 12    | 30    | 1.08  | 287   | 0.055 | 2     | 1.55  | 0.023 | 0.05  | <0.1  | 0.05  | 3.3   | <0.1  | 0.07  | 5     | 0.6   | <0.2  |
| 11YM0164 | Soil                             | 12    | 29    | 1.90  | 268   | 0.070 | 2     | 1.58  | 0.025 | 0.06  | 0.1   | 0.03  | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0165 | Soil                             | 14    | 25    | 1.34  | 450   | 0.056 | 2     | 1.56  | 0.017 | 0.08  | 0.1   | 0.04  | 4.4   | <0.1  | 0.07  | 5     | <0.5  | <0.2  |
| 11YM0166 | Soil                             | 13    | 18    | 0.28  | 1528  | 0.012 | 2     | 1.32  | 0.010 | 0.15  | 0.2   | 0.03  | 5.9   | <0.1  | <0.05 | 4     | 0.5   | <0.2  |
| 11YM0167 | Soil                             | 16    | 22    | 1.15  | 543   | 0.096 | <1    | 2.31  | 0.008 | 0.28  | <0.1  | <0.01 | 9.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0168 | Soil                             | 12    | 25    | 0.67  | 187   | 0.079 | 1     | 2.04  | 0.023 | 0.08  | 0.1   | <0.01 | 3.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0169 | Soil                             | 12    | 23    | 0.60  | 125   | 0.055 | <1    | 1.50  | 0.026 | 0.06  | <0.1  | 0.01  | 3.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0170 | Soil                             | 12    | 30    | 0.43  | 117   | 0.054 | <1    | 2.27  | 0.016 | 0.06  | 0.2   | 0.02  | 3.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |





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Project: Mariposa  
Report Date: December 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|          |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P    |
|          |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %    |
|          |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01 |
| 11YM0171 | Soil | 1.0                              | 11.8  | 10.2  | 49    | <0.1  | 17.8  | 9.4   | 315   | 3.10  | 10.3  | 0.6   | 2.5   | 3.3   | 21    | <0.1  | 0.5   | 0.2   | 75    | 0.17  | 0.056 |      |
| 11YM0172 | Soil | 0.3                              | 13.0  | 4.1   | 83    | <0.1  | 9.3   | 10.1  | 711   | 4.64  | 1.4   | 0.7   | 1.2   | 4.1   | 163   | <0.1  | 0.1   | <0.1  | 161   | 1.52  | 0.232 |      |
| 11YM0173 | Soil | 8.6                              | 88.5  | 9.2   | 124   | 0.3   | 51.5  | 18.9  | 741   | 5.10  | 9.1   | 2.3   | 4.7   | 2.6   | 42    | 0.4   | 0.6   | <0.1  | 121   | 1.21  | 0.425 |      |
| 11YM0174 | Soil | 3.5                              | 58.3  | 15.7  | 149   | <0.1  | 42.4  | 18.3  | 1095  | 6.63  | 22.0  | 0.7   | 2.4   | 4.6   | 16    | 0.2   | 0.4   | <0.1  | 131   | 0.19  | 0.078 |      |
| 11YM0175 | Soil | 1.0                              | 39.7  | 4.6   | 74    | <0.1  | 8.6   | 6.8   | 611   | 3.77  | 5.0   | 0.4   | 2.0   | 5.8   | 8     | <0.1  | 0.2   | <0.1  | 60    | 0.10  | 0.065 |      |
| 11YM0176 | Soil | 1.0                              | 16.7  | 7.8   | 52    | <0.1  | 20.0  | 8.7   | 227   | 2.97  | 6.5   | 0.6   | 8.3   | 3.4   | 22    | <0.1  | 0.3   | <0.1  | 63    | 0.24  | 0.039 |      |
| 11YM0177 | Soil | 1.4                              | 13.4  | 6.0   | 60    | <0.1  | 11.9  | 9.4   | 525   | 3.21  | 4.7   | 0.5   | 1.3   | 3.4   | 47    | <0.1  | 0.3   | 0.2   | 91    | 0.60  | 0.071 |      |
| 11YM0178 | Soil | 0.6                              | 43.5  | 4.9   | 74    | 0.1   | 18.0  | 14.7  | 569   | 3.78  | 3.5   | 1.0   | 3.8   | 3.3   | 117   | 0.1   | 0.2   | 0.1   | 133   | 1.10  | 0.156 |      |
| 11YM0179 | Soil | 0.6                              | 4.4   | 5.5   | 60    | <0.1  | 7.3   | 8.5   | 858   | 2.68  | 1.2   | 0.4   | <0.5  | 1.6   | 136   | <0.1  | <0.1  | <0.1  | 95    | 1.31  | 0.199 |      |
| 11YM0180 | Soil | 1.0                              | 14.5  | 9.2   | 50    | <0.1  | 18.7  | 7.9   | 308   | 3.02  | 8.1   | 0.7   | 2.1   | 3.7   | 66    | <0.1  | 0.3   | 0.2   | 92    | 0.35  | 0.048 |      |
| 11YM0181 | Soil | 0.8                              | 15.2  | 8.3   | 51    | <0.1  | 14.9  | 9.5   | 433   | 3.09  | 7.4   | 0.8   | 1.2   | 4.4   | 57    | <0.1  | 0.4   | 0.1   | 82    | 0.39  | 0.046 |      |
| 11YM0182 | Soil | 0.8                              | 5.3   | 5.9   | 82    | <0.1  | 8.7   | 11.5  | 772   | 3.94  | 3.8   | 0.3   | <0.5  | 3.8   | 69    | 0.1   | 0.1   | <0.1  | 103   | 0.76  | 0.197 |      |
| 11YM0183 | Soil | 0.8                              | 17.8  | 8.4   | 52    | 0.1   | 17.8  | 11.4  | 389   | 2.94  | 7.6   | 0.4   | <0.5  | 2.4   | 26    | <0.1  | 0.4   | 0.2   | 81    | 0.30  | 0.074 |      |
| 11YM0184 | Soil | 0.1                              | 8.7   | 3.3   | 47    | <0.1  | 12.1  | 5.1   | 304   | 1.52  | 3.3   | 0.4   | <0.5  | 1.2   | 24    | <0.1  | <0.1  | <0.1  | 76    | 0.77  | 0.017 |      |
| 11YM0185 | Soil | 0.9                              | 32.1  | 10.1  | 48    | <0.1  | 18.8  | 9.5   | 437   | 2.83  | 9.8   | 1.0   | 2.8   | 4.5   | 54    | <0.1  | 0.4   | 0.1   | 73    | 0.79  | 0.076 |      |
| 11YM0186 | Soil | 0.3                              | 21.8  | 7.0   | 33    | <0.1  | 19.4  | 6.9   | 202   | 1.65  | 2.5   | 0.6   | 1.4   | 2.0   | 71    | 0.3   | 0.2   | <0.1  | 52    | 7.27  | 0.057 |      |
| 11YM0187 | Soil | 0.5                              | 19.7  | 10.1  | 57    | 0.1   | 22.2  | 10.3  | 501   | 2.66  | 7.1   | 0.7   | 2.1   | 2.5   | 33    | 0.3   | 0.3   | 0.2   | 72    | 1.14  | 0.036 |      |
| 11YM0188 | Soil | 0.3                              | 31.8  | 11.2  | 54    | 0.2   | 28.3  | 10.1  | 471   | 2.42  | 7.5   | 0.8   | 10.5  | 2.5   | 47    | 0.2   | 0.7   | 0.1   | 59    | 1.94  | 0.069 |      |
| 11YM0189 | Soil | 0.4                              | 29.8  | 7.2   | 46    | 0.1   | 17.8  | 8.0   | 475   | 1.99  | 4.3   | 0.4   | 35.6  | 2.4   | 70    | 0.3   | 0.4   | <0.1  | 53    | 4.84  | 0.081 |      |
| 11YM0190 | Soil | 0.5                              | 58.1  | 9.5   | 65    | 0.1   | 27.0  | 11.8  | 462   | 2.61  | 5.7   | 0.6   | 2.1   | 2.7   | 66    | 0.3   | 0.5   | <0.1  | 62    | 2.40  | 0.072 |      |
| 11YM0191 | Soil | 0.2                              | 33.3  | 5.3   | 53    | <0.1  | 10.1  | 6.8   | 691   | 2.07  | 0.6   | 0.8   | 5.6   | 1.2   | 76    | 0.3   | 0.1   | <0.1  | 53    | 6.24  | 0.088 |      |
| 11YM0192 | Soil | 0.3                              | 31.5  | 10.9  | 47    | 0.1   | 16.9  | 8.1   | 332   | 2.06  | 2.5   | 0.8   | 17.6  | 2.0   | 45    | 0.1   | 0.2   | <0.1  | 50    | 2.70  | 0.046 |      |
| 11YM0193 | Soil | 0.6                              | 12.0  | 6.4   | 101   | 0.1   | 13.4  | 14.1  | 1271  | 4.53  | 2.6   | 0.5   | 67.4  | 3.7   | 36    | 0.1   | 0.4   | <0.1  | 84    | 0.98  | 0.215 |      |
| 11YM0194 | Soil | 0.5                              | 18.4  | 7.5   | 71    | 0.1   | 16.2  | 11.4  | 808   | 3.07  | 5.4   | 1.1   | 2.1   | 1.8   | 47    | 0.1   | 0.4   | 0.1   | 72    | 1.47  | 0.123 |      |
| 11YM0195 | Soil | 0.3                              | 7.2   | 5.1   | 93    | <0.1  | 8.3   | 12.1  | 924   | 4.20  | 3.0   | 0.5   | 2.1   | 2.3   | 36    | <0.1  | 0.3   | <0.1  | 83    | 0.90  | 0.212 |      |
| 11YM0196 | Soil | 0.4                              | 6.2   | 7.9   | 104   | <0.1  | 7.4   | 11.8  | 933   | 4.10  | 3.2   | 0.5   | 9.7   | 2.1   | 43    | <0.1  | 0.3   | <0.1  | 78    | 0.92  | 0.186 |      |
| 11YM0197 | Soil | 0.6                              | 19.0  | 5.1   | 98    | <0.1  | 9.9   | 12.6  | 911   | 4.23  | 3.1   | 0.4   | 5.0   | 2.6   | 39    | <0.1  | 0.3   | <0.1  | 93    | 0.80  | 0.167 |      |
| 11YM0198 | Soil | 0.4                              | 10.6  | 5.6   | 91    | <0.1  | 11.0  | 11.4  | 696   | 3.88  | 4.4   | 0.5   | 6.8   | 3.3   | 46    | 0.1   | 0.4   | <0.1  | 89    | 0.88  | 0.139 |      |
| 11YM0199 | Soil | 0.4                              | 14.2  | 6.6   | 91    | <0.1  | 13.4  | 12.0  | 604   | 3.30  | 4.2   | 0.8   | 7.8   | 3.5   | 46    | 0.1   | 0.3   | <0.1  | 77    | 0.86  | 0.139 |      |
| 11YM0200 | Soil | 0.6                              | 13.9  | 4.8   | 92    | <0.1  | 12.6  | 11.8  | 822   | 3.87  | 3.4   | 0.6   | 6.6   | 3.7   | 44    | 0.1   | 0.3   | <0.1  | 88    | 1.01  | 0.199 |      |



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Project: Mariposa  
Report Date: December 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0171 | Soil                             | 11    | 34    | 0.49  | 140   | 0.068 | 2     | 2.51  | 0.021 | 0.06  | 0.1   | 0.03  | 3.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0172 | Soil                             | 16    | 12    | 0.79  | 260   | 0.131 | <1    | 2.58  | 0.087 | 0.13  | <0.1  | <0.01 | 8.6   | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| 11YM0173 | Soil                             | 19    | 62    | 1.74  | 717   | 0.054 | 3     | 2.57  | 0.015 | 0.09  | 0.1   | 0.04  | 13.6  | <0.1  | <0.05 | 9     | 1.9   | <0.2  |
| 11YM0174 | Soil                             | 19    | 84    | 1.53  | 449   | 0.181 | <1    | 3.22  | 0.013 | 0.52  | <0.1  | <0.01 | 16.7  | 0.2   | <0.05 | 12    | <0.5  | <0.2  |
| 11YM0175 | Soil                             | 15    | 17    | 0.79  | 158   | 0.195 | 1     | 2.15  | 0.021 | 0.61  | <0.1  | 0.02  | 9.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0176 | Soil                             | 13    | 39    | 0.63  | 188   | 0.073 | 2     | 2.02  | 0.014 | 0.07  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0177 | Soil                             | 11    | 27    | 0.62  | 230   | 0.062 | 1     | 1.97  | 0.020 | 0.07  | <0.1  | 0.02  | 4.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0178 | Soil                             | 17    | 27    | 0.96  | 239   | 0.151 | 1     | 2.56  | 0.045 | 0.10  | <0.1  | 0.04  | 10.1  | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0179 | Soil                             | 11    | 14    | 0.53  | 128   | 0.082 | <1    | 2.24  | 0.059 | 0.11  | <0.1  | 0.02  | 4.7   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0180 | Soil                             | 15    | 37    | 0.55  | 222   | 0.089 | <1    | 2.45  | 0.018 | 0.05  | 0.1   | 0.03  | 4.0   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0181 | Soil                             | 14    | 31    | 0.57  | 177   | 0.085 | <1    | 2.39  | 0.026 | 0.07  | 0.1   | 0.02  | 5.5   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0182 | Soil                             | 16    | 17    | 1.07  | 118   | 0.121 | <1    | 2.66  | 0.022 | 0.08  | <0.1  | <0.01 | 4.9   | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| 11YM0183 | Soil                             | 9     | 33    | 0.59  | 239   | 0.083 | 2     | 2.05  | 0.019 | 0.07  | 0.1   | 0.01  | 3.7   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11YM0184 | Soil                             | 5     | 15    | 2.70  | 177   | 0.096 | <1    | 1.83  | 0.011 | 0.04  | <0.1  | <0.01 | 1.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0185 | Soil                             | 17    | 32    | 0.69  | 364   | 0.076 | <1    | 2.00  | 0.025 | 0.06  | 0.2   | 0.03  | 5.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0186 | Soil                             | 12    | 36    | 4.32  | 326   | 0.051 | 2     | 1.50  | 0.014 | 0.05  | <0.1  | 0.05  | 3.1   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0187 | Soil                             | 12    | 36    | 1.39  | 377   | 0.069 | 2     | 2.13  | 0.018 | 0.06  | 0.1   | 0.02  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0188 | Soil                             | 15    | 39    | 1.36  | 459   | 0.056 | 2     | 1.76  | 0.021 | 0.07  | 0.1   | 0.06  | 4.3   | <0.1  | 0.06  | 5     | <0.5  | <0.2  |
| 11YM0189 | Soil                             | 13    | 25    | 2.73  | 134   | 0.064 | 3     | 1.48  | 0.020 | 0.06  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0190 | Soil                             | 13    | 35    | 1.27  | 199   | 0.081 | 2     | 1.87  | 0.034 | 0.07  | 0.1   | 0.05  | 4.9   | <0.1  | 0.05  | 5     | <0.5  | <0.2  |
| 11YM0191 | Soil                             | 6     | 17    | 3.14  | 123   | 0.062 | 1     | 1.86  | 0.014 | 0.04  | <0.1  | 0.01  | 4.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0192 | Soil                             | 10    | 25    | 2.02  | 279   | 0.050 | 2     | 1.66  | 0.018 | 0.07  | <0.1  | 0.05  | 3.3   | 0.1   | <0.05 | 5     | <0.5  | 0.2   |
| 11YM0193 | Soil                             | 19    | 19    | 1.56  | 306   | 0.035 | <1    | 2.36  | 0.015 | 0.12  | 0.1   | 0.03  | 5.8   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11YM0194 | Soil                             | 16    | 28    | 0.85  | 359   | 0.047 | 2     | 2.00  | 0.016 | 0.06  | 0.1   | 0.04  | 5.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0195 | Soil                             | 10    | 14    | 1.04  | 223   | 0.024 | <1    | 2.13  | 0.011 | 0.09  | <0.1  | <0.01 | 5.5   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11YM0196 | Soil                             | 11    | 14    | 1.05  | 283   | 0.046 | 1     | 2.21  | 0.013 | 0.10  | <0.1  | 0.02  | 4.3   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0197 | Soil                             | 11    | 19    | 1.07  | 295   | 0.089 | <1    | 2.21  | 0.017 | 0.23  | <0.1  | 0.03  | 4.8   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0198 | Soil                             | 14    | 21    | 1.05  | 208   | 0.069 | 1     | 2.16  | 0.017 | 0.08  | 0.1   | 0.04  | 5.6   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0199 | Soil                             | 25    | 23    | 0.96  | 230   | 0.075 | <1    | 2.06  | 0.019 | 0.08  | 0.1   | 0.04  | 5.9   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0200 | Soil                             | 18    | 19    | 1.00  | 288   | 0.069 | 1     | 2.00  | 0.018 | 0.14  | <0.1  | 0.02  | 5.5   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11YM0201 | Soil                             | 0.6   | 22.3  | 5.8   | 96    | <0.1  | 12.3  | 13.4  | 948   | 3.98  | 4.2   | 0.6   | 23.3  | 3.7   | 48    | 0.3   | 0.3   | <0.1  | 95    | 1.17  |
| 11YM0202 | Soil                             | 0.5   | 15.5  | 7.5   | 106   | 0.1   | 13.2  | 14.7  | 1145  | 4.01  | 4.6   | 0.9   | 13.9  | 4.3   | 47    | 0.1   | 0.3   | <0.1  | 87    | 0.94  |
| 11YM0203 | Soil                             | 0.3   | 25.7  | 7.2   | 68    | <0.1  | 21.3  | 11.3  | 320   | 2.77  | 7.7   | 1.2   | 8.7   | 4.1   | 44    | 0.3   | 0.5   | <0.1  | 66    | 0.74  |
| 11YM0204 | Soil                             | 0.5   | 20.6  | 4.9   | 41    | <0.1  | 41.8  | 16.6  | 435   | 3.26  | 4.6   | 1.1   | 1.6   | 2.6   | 66    | 0.1   | 0.4   | <0.1  | 95    | 0.66  |
| 11YM0205 | Soil                             | 0.2   | 58.1  | 4.6   | 57    | <0.1  | 12.5  | 8.2   | 629   | 2.53  | 2.4   | 0.5   | 0.7   | 1.6   | 66    | 0.1   | 0.1   | <0.1  | 98    | 1.09  |
| 11YM0206 | Soil                             | <0.1  | 3.6   | 0.5   | 37    | <0.1  | 5.6   | 1.8   | 218   | 0.85  | 1.7   | <0.1  | 0.7   | 0.2   | 15    | <0.1  | <0.1  | <0.1  | 55    | 0.65  |
| 11YM0207 | Soil                             | 1.7   | 42.0  | 8.1   | 80    | <0.1  | 21.1  | 12.2  | 460   | 3.93  | 12.4  | 0.7   | 1.0   | 6.0   | 14    | 0.2   | 0.5   | <0.1  | 88    | 0.12  |
| 11YM0208 | Soil                             | 1.3   | 33.2  | 5.3   | 80    | <0.1  | 50.2  | 15.8  | 600   | 4.46  | 7.1   | 0.5   | <0.5  | 5.0   | 20    | 0.2   | 0.4   | <0.1  | 106   | 0.24  |
| 11YM0209 | Soil                             | 1.2   | 34.1  | 4.8   | 76    | <0.1  | 46.2  | 15.1  | 620   | 4.24  | 6.8   | 0.5   | 0.7   | 4.9   | 19    | 0.1   | 0.3   | <0.1  | 99    | 0.22  |
| 11YM0210 | Soil                             | 0.4   | 20.4  | 5.6   | 31    | <0.1  | 17.2  | 7.0   | 761   | 1.51  | 2.6   | 0.5   | 0.7   | 1.4   | 64    | 0.2   | 0.2   | <0.1  | 37    | 5.36  |
| 11YM0211 | Soil                             | 0.6   | 36.3  | 8.8   | 48    | 0.1   | 24.6  | 11.2  | 635   | 2.52  | 7.6   | 0.7   | 4.5   | 2.2   | 49    | 0.2   | 0.3   | 0.1   | 58    | 1.46  |
| 11YM0212 | Soil                             | 0.6   | 21.4  | 8.1   | 53    | <0.1  | 14.7  | 7.0   | 222   | 2.43  | 6.1   | 0.4   | 0.7   | 2.3   | 37    | <0.1  | 0.2   | <0.1  | 74    | 0.48  |
| 11YM0213 | Soil                             | 0.4   | 24.1  | 8.8   | 46    | <0.1  | 24.2  | 10.9  | 643   | 2.52  | 7.1   | 1.0   | 2.5   | 2.2   | 37    | 0.2   | 0.4   | 0.3   | 58    | 1.33  |
| 11YM0214 | Soil                             | 0.4   | 41.3  | 8.5   | 60    | 0.1   | 21.6  | 10.7  | 476   | 2.74  | 4.5   | 0.5   | 2.6   | 2.8   | 42    | 0.2   | 0.5   | 0.2   | 64    | 1.91  |
| 11YM0215 | Soil                             | 0.2   | 57.3  | 5.6   | 55    | <0.1  | 14.4  | 7.7   | 585   | 2.27  | 1.9   | 0.7   | 3.7   | 1.6   | 66    | 0.2   | 0.2   | <0.1  | 52    | 3.42  |
| 11YM0216 | Soil                             | 0.1   | 47.2  | 5.2   | 64    | <0.1  | 19.9  | 8.1   | 550   | 2.45  | 0.6   | 0.7   | 1.2   | 1.4   | 67    | 0.2   | 0.3   | <0.1  | 51    | 5.72  |
| 11YM0217 | Soil                             | 0.3   | 7.4   | 6.7   | 81    | <0.1  | 9.8   | 10.9  | 1290  | 3.93  | 2.9   | 0.4   | 4.3   | 4.3   | 27    | <0.1  | 0.4   | <0.1  | 71    | 1.03  |
| 11YM0218 | Soil                             | 0.3   | 5.6   | 5.9   | 82    | <0.1  | 6.4   | 8.7   | 958   | 3.70  | 2.9   | 0.5   | 7.5   | 2.8   | 18    | <0.1  | 1.6   | <0.1  | 68    | 0.73  |
| 11YM0219 | Soil                             | 0.4   | 7.5   | 6.5   | 101   | <0.1  | 9.1   | 12.4  | 1038  | 4.65  | 4.2   | 0.5   | 58.3  | 4.2   | 21    | <0.1  | 0.3   | <0.1  | 77    | 0.58  |
| 11YM0220 | Soil                             | 0.4   | 4.7   | 5.1   | 88    | <0.1  | 7.7   | 11.1  | 797   | 3.56  | 3.5   | 0.4   | 19.3  | 2.3   | 30    | <0.1  | 0.3   | <0.1  | 82    | 0.80  |
| 11YM0221 | Soil                             | 0.4   | 8.4   | 5.4   | 84    | <0.1  | 12.4  | 11.3  | 712   | 3.34  | 5.1   | 0.6   | 6.3   | 2.8   | 32    | 0.1   | 0.3   | <0.1  | 72    | 0.74  |
| 11YM0222 | Soil                             | 0.3   | 8.8   | 5.3   | 99    | <0.1  | 10.2  | 11.7  | 965   | 3.73  | 3.1   | 0.6   | 3.9   | 2.2   | 40    | 0.1   | 0.3   | <0.1  | 73    | 1.13  |
| 11YM0223 | Soil                             | 0.5   | 23.6  | 6.7   | 96    | <0.1  | 13.4  | 12.8  | 862   | 4.74  | 4.9   | 0.7   | 5.9   | 3.4   | 35    | 0.1   | 1.4   | <0.1  | 76    | 0.98  |
| 11YM0224 | Soil                             | 0.3   | 21.6  | 8.2   | 55    | <0.1  | 20.0  | 8.5   | 375   | 2.36  | 6.1   | 0.5   | 2.5   | 2.8   | 31    | 0.1   | 0.2   | 0.1   | 54    | 1.28  |
| 11YM0225 | Soil                             | 0.3   | 20.6  | 8.3   | 50    | <0.1  | 19.5  | 8.9   | 391   | 2.32  | 6.4   | 0.6   | 1.9   | 2.9   | 28    | 0.1   | 0.2   | 0.1   | 58    | 0.88  |
| 11YM0226 | Soil                             | 0.3   | 21.0  | 8.7   | 54    | <0.1  | 21.7  | 9.6   | 380   | 2.51  | 7.1   | 0.6   | 3.2   | 3.2   | 28    | <0.1  | 0.3   | 0.2   | 61    | 0.80  |
| 11YM0227 | Soil                             | 0.3   | 20.1  | 8.1   | 48    | <0.1  | 18.9  | 8.4   | 377   | 2.24  | 5.2   | 0.6   | 2.4   | 2.8   | 30    | 0.1   | 0.2   | 0.1   | 55    | 1.26  |
| 11YM0228 | Soil                             | 0.3   | 19.7  | 5.9   | 52    | <0.1  | 17.2  | 7.4   | 424   | 2.14  | 2.9   | 0.4   | 1.9   | 2.3   | 49    | 0.2   | 0.2   | <0.1  | 45    | 2.86  |
| 11YM0229 | Soil                             | 0.2   | 54.8  | 6.6   | 57    | <0.1  | 12.2  | 7.1   | 586   | 1.86  | 1.1   | 0.6   | 0.9   | 1.2   | 80    | 0.2   | 0.3   | <0.1  | 42    | 4.59  |
| 11YM0230 | Soil                             | 0.5   | 14.0  | 7.6   | 76    | <0.1  | 20.0  | 13.7  | 906   | 3.93  | 4.8   | 0.7   | 1.9   | 4.3   | 24    | 0.1   | 1.1   | <0.1  | 84    | 0.79  |



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Report Date: December 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0201 | Soil                             | 22    | 21    | 1.05  | 441   | 0.096 | 1     | 1.97  | 0.023 | 0.16  | <0.1  | 0.03  | 7.1   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0202 | Soil                             | 24    | 23    | 1.00  | 478   | 0.070 | 2     | 2.15  | 0.019 | 0.11  | 0.1   | 0.05  | 7.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0203 | Soil                             | 19    | 26    | 0.64  | 328   | 0.071 | 2     | 1.50  | 0.022 | 0.08  | 0.2   | 0.05  | 5.3   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11YM0204 | Soil                             | 12    | 144   | 0.75  | 234   | 0.074 | <1    | 1.36  | 0.019 | 0.06  | <0.1  | 0.03  | 7.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0205 | Soil                             | 8     | 14    | 2.90  | 177   | 0.118 | <1    | 2.06  | 0.037 | 0.08  | <0.1  | 0.02  | 3.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0206 | Soil                             | <1    | 9     | 2.43  | 51    | 0.067 | <1    | 1.37  | 0.007 | 0.02  | <0.1  | <0.01 | 0.3   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0207 | Soil                             | 13    | 35    | 0.82  | 154   | 0.075 | <1    | 2.64  | 0.012 | 0.06  | <0.1  | 0.02  | 7.1   | <0.1  | <0.05 | 9     | 0.8   | <0.2  |
| 11YM0208 | Soil                             | 15    | 133   | 1.63  | 188   | 0.134 | <1    | 2.96  | 0.010 | 0.18  | <0.1  | 0.01  | 8.5   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0209 | Soil                             | 15    | 124   | 1.56  | 192   | 0.127 | <1    | 2.74  | 0.010 | 0.18  | <0.1  | 0.01  | 8.8   | <0.1  | <0.05 | 9     | 0.6   | <0.2  |
| 11YM0210 | Soil                             | 8     | 26    | 4.17  | 234   | 0.047 | <1    | 1.32  | 0.018 | 0.05  | <0.1  | 0.04  | 2.5   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0211 | Soil                             | 15    | 32    | 1.34  | 376   | 0.060 | 2     | 1.79  | 0.029 | 0.06  | 0.1   | 0.06  | 4.2   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11YM0212 | Soil                             | 9     | 25    | 1.09  | 291   | 0.071 | <1    | 2.01  | 0.014 | 0.06  | <0.1  | 0.01  | 3.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0213 | Soil                             | 14    | 32    | 1.20  | 279   | 0.052 | 2     | 1.82  | 0.020 | 0.04  | 0.1   | 0.05  | 4.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0214 | Soil                             | 12    | 32    | 1.91  | 210   | 0.066 | 2     | 1.94  | 0.022 | 0.07  | 0.1   | 0.04  | 5.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0215 | Soil                             | 8     | 21    | 2.54  | 110   | 0.078 | 2     | 1.78  | 0.018 | 0.04  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0216 | Soil                             | 8     | 31    | 3.77  | 158   | 0.083 | 2     | 2.02  | 0.012 | 0.07  | <0.1  | 0.01  | 3.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0217 | Soil                             | 12    | 11    | 1.07  | 280   | 0.014 | 2     | 1.90  | 0.009 | 0.11  | 0.1   | 0.01  | 6.1   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0218 | Soil                             | 15    | 9     | 0.33  | 302   | 0.006 | 2     | 1.36  | 0.008 | 0.08  | 0.3   | 0.03  | 8.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0219 | Soil                             | 11    | 12    | 0.79  | 250   | 0.009 | 1     | 2.00  | 0.007 | 0.09  | <0.1  | 0.01  | 6.8   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0220 | Soil                             | 10    | 15    | 0.98  | 185   | 0.045 | 2     | 1.97  | 0.013 | 0.08  | 0.1   | <0.01 | 5.3   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0221 | Soil                             | 13    | 20    | 0.88  | 221   | 0.075 | 2     | 1.86  | 0.018 | 0.07  | <0.1  | 0.02  | 4.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0222 | Soil                             | 15    | 15    | 0.97  | 299   | 0.061 | 2     | 1.89  | 0.014 | 0.08  | <0.1  | 0.02  | 5.0   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0223 | Soil                             | 26    | 20    | 0.70  | 355   | 0.031 | 2     | 1.68  | 0.012 | 0.08  | 0.2   | 0.06  | 7.5   | <0.1  | 0.06  | 7     | <0.5  | <0.2  |
| 11YM0224 | Soil                             | 14    | 28    | 1.86  | 207   | 0.053 | 2     | 1.89  | 0.021 | 0.04  | 0.1   | 0.05  | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0225 | Soil                             | 15    | 29    | 1.42  | 230   | 0.057 | 2     | 1.89  | 0.020 | 0.04  | 0.1   | 0.04  | 4.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0226 | Soil                             | 16    | 31    | 1.34  | 238   | 0.059 | 1     | 1.97  | 0.022 | 0.04  | 0.1   | 0.06  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0227 | Soil                             | 14    | 28    | 1.77  | 211   | 0.055 | 2     | 1.92  | 0.021 | 0.04  | <0.1  | 0.04  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0228 | Soil                             | 9     | 23    | 3.48  | 145   | 0.066 | 2     | 2.19  | 0.020 | 0.05  | <0.1  | 0.02  | 4.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0229 | Soil                             | 6     | 28    | 3.07  | 248   | 0.066 | 2     | 1.93  | 0.019 | 0.05  | <0.1  | 0.01  | 3.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0230 | Soil                             | 22    | 27    | 0.82  | 257   | 0.039 | 1     | 1.64  | 0.018 | 0.07  | 0.2   | 0.02  | 7.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11YM0231 | Soil                             | 0.5   | 10.1  | 5.9   | 75    | <0.1  | 14.6  | 12.1  | 769   | 4.04  | 4.8   | 0.6   | 5.4   | 5.0   | 23    | <0.1  | 0.7   | <0.1  | 92    | 0.65  | 0.122 |
| 11YM0232 | Soil                             | 0.5   | 14.9  | 6.1   | 58    | <0.1  | 15.7  | 10.2  | 466   | 3.13  | 5.9   | 0.9   | 6.1   | 5.6   | 27    | <0.1  | 1.1   | <0.1  | 68    | 0.53  | 0.086 |
| 11YM0233 | Soil                             | 0.6   | 5.8   | 5.4   | 69    | <0.1  | 11.2  | 10.1  | 613   | 3.09  | 5.0   | 0.4   | 6.4   | 2.3   | 25    | <0.1  | 0.5   | <0.1  | 78    | 0.55  | 0.085 |
| 11YM0234 | Soil                             | 0.3   | 21.6  | 3.9   | 89    | <0.1  | 6.8   | 11.5  | 934   | 3.91  | 3.5   | 0.6   | 1.4   | 3.3   | 27    | <0.1  | 1.8   | <0.1  | 86    | 0.87  | 0.215 |
| 11YM0235 | Soil                             | 0.5   | 9.3   | 5.5   | 69    | <0.1  | 12.4  | 9.7   | 518   | 2.96  | 5.0   | 0.7   | 57.1  | 3.3   | 29    | <0.1  | 0.7   | <0.1  | 66    | 0.67  | 0.108 |
| 11YM0236 | Soil                             | 0.4   | 6.8   | 4.8   | 84    | <0.1  | 11.0  | 10.8  | 732   | 3.59  | 4.7   | 0.6   | 4.2   | 3.4   | 32    | <0.1  | 0.9   | <0.1  | 76    | 0.83  | 0.168 |
| 11YM0237 | Soil                             | 0.3   | 8.0   | 5.2   | 105   | <0.1  | 13.5  | 12.1  | 905   | 4.02  | 3.5   | 0.7   | 27.9  | 3.3   | 41    | 0.1   | 0.5   | <0.1  | 78    | 1.06  | 0.202 |
| 11YM0238 | Soil                             | 0.1   | 11.0  | 4.3   | 26    | <0.1  | 9.8   | 2.9   | 193   | 0.87  | 1.6   | 0.4   | <0.5  | 0.7   | 106   | 0.3   | <0.1  | <0.1  | 18    | 10.13 | 0.041 |
| 11YM0239 | Soil                             | 0.2   | 16.2  | 6.0   | 36    | <0.1  | 17.2  | 5.3   | 225   | 1.43  | 3.9   | 0.4   | 1.5   | 1.3   | 65    | 0.2   | 0.1   | <0.1  | 30    | 5.37  | 0.053 |
| 11YM0240 | Soil                             | 0.1   | 9.2   | 4.9   | 33    | <0.1  | 16.8  | 3.9   | 301   | 1.07  | 2.1   | 0.4   | <0.5  | 1.1   | 117   | 0.3   | <0.1  | <0.1  | 27    | 9.52  | 0.037 |
| 11YM0241 | Soil                             | <0.1  | 6.0   | 4.2   | 12    | <0.1  | 17.5  | 2.1   | 118   | 0.50  | 0.9   | 0.3   | <0.5  | 0.7   | 91    | 0.2   | <0.1  | <0.1  | 12    | 11.97 | 0.036 |
| 11YM0242 | Soil                             | 0.8   | 6.7   | 5.3   | 71    | <0.1  | 12.4  | 10.5  | 485   | 3.58  | 4.4   | 0.3   | 0.9   | 2.0   | 22    | 0.2   | 0.4   | <0.1  | 80    | 0.41  | 0.028 |
| 11YM0243 | Soil                             | 0.3   | 22.3  | 5.1   | 37    | <0.1  | 14.8  | 5.7   | 459   | 1.71  | 3.2   | 0.6   | 2.0   | 1.9   | 50    | <0.1  | 0.2   | <0.1  | 26    | 3.85  | 0.028 |
| 11YM0244 | Soil                             | 0.2   | 7.5   | 3.8   | 19    | <0.1  | 8.1   | 3.5   | 224   | 0.90  | 1.8   | 0.5   | <0.5  | 0.5   | 63    | 0.2   | 0.1   | <0.1  | 12    | 8.45  | 0.041 |
| 11YM0245 | Soil                             | 0.3   | 30.4  | 6.7   | 47    | <0.1  | 19.3  | 7.5   | 380   | 1.96  | 5.2   | 0.5   | 1.7   | 2.3   | 39    | <0.1  | 0.3   | <0.1  | 37    | 3.04  | 0.053 |
| 11YM0246 | Soil                             | 0.3   | 14.5  | 6.3   | 29    | <0.1  | 10.4  | 4.9   | 333   | 1.41  | 2.3   | 0.3   | 1.7   | 1.0   | 69    | 0.1   | 0.2   | <0.1  | 27    | 8.60  | 0.054 |
| 11YM0247 | Soil                             | 0.2   | 30.8  | 8.4   | 62    | 0.2   | 19.9  | 8.4   | 670   | 2.13  | 2.6   | 0.7   | 1.8   | 1.8   | 39    | 0.3   | 0.5   | 0.2   | 46    | 3.36  | 0.079 |
| 11YM0248 | Soil                             | 0.1   | 17.8  | 5.9   | 33    | <0.1  | 26.0  | 7.6   | 563   | 1.82  | 3.1   | 0.8   | 1.8   | 2.3   | 56    | 0.3   | 0.2   | 0.1   | 39    | 3.98  | 0.071 |
| 11YM0249 | Soil                             | 0.6   | 3.9   | 3.6   | 14    | <0.1  | 18.2  | 1.4   | 119   | 0.26  | <0.5  | 0.5   | 0.7   | 0.3   | 108   | 0.4   | <0.1  | 0.2   | 17    | 13.60 | 0.039 |
| 11YM0250 | Soil                             | 0.6   | 21.4  | 8.0   | 44    | <0.1  | 31.6  | 8.9   | 203   | 2.31  | 4.9   | 0.6   | 0.9   | 2.6   | 20    | <0.1  | 0.2   | 0.2   | 61    | 0.51  | 0.026 |
| 11YM0251 | Soil                             | 0.4   | 17.6  | 6.7   | 42    | <0.1  | 23.8  | 7.9   | 375   | 1.88  | 4.5   | 0.7   | 4.1   | 2.2   | 51    | 0.3   | 0.3   | 0.2   | 50    | 3.79  | 0.052 |
| 11YM0252 | Soil                             | 0.3   | 32.8  | 8.0   | 50    | 0.1   | 21.3  | 8.5   | 507   | 2.22  | 3.8   | 0.7   | 2.1   | 3.0   | 42    | 0.2   | 0.4   | 0.2   | 57    | 2.61  | 0.049 |
| 11YM0253 | Soil                             | 0.2   | 55.5  | 6.8   | 51    | <0.1  | 19.5  | 8.9   | 679   | 2.26  | 2.9   | 0.7   | 3.3   | 2.1   | 42    | 0.2   | 0.4   | 0.1   | 56    | 2.74  | 0.058 |
| 11YM0254 | Soil                             | 0.4   | 100.2 | 5.9   | 55    | <0.1  | 22.6  | 8.3   | 523   | 2.31  | 2.9   | 0.5   | 2.2   | 2.8   | 45    | 0.2   | 0.2   | 0.1   | 58    | 3.35  | 0.055 |
| 11YM0255 | Soil                             | 0.1   | 18.0  | 2.3   | 42    | <0.1  | 11.2  | 6.1   | 419   | 2.02  | 1.5   | 0.3   | 3.3   | 1.8   | 35    | <0.1  | <0.1  | <0.1  | 44    | 1.56  | 0.062 |
| 11YM0256 | Soil                             | 0.5   | 126.7 | 8.1   | 52    | <0.1  | 26.1  | 10.2  | 512   | 2.61  | 8.6   | 0.6   | 5.9   | 3.9   | 30    | 0.1   | 0.6   | 0.3   | 62    | 0.89  | 0.036 |
| 11YM0257 | Soil                             | 0.3   | 227.4 | 5.9   | 52    | 0.1   | 19.6  | 8.3   | 631   | 2.15  | 2.8   | 0.8   | 5.5   | 2.6   | 54    | <0.1  | 0.5   | 0.1   | 51    | 3.97  | 0.048 |
| 11YM0258 | Soil                             | 1.0   | 10.2  | 7.1   | 57    | <0.1  | 26.6  | 10.8  | 383   | 3.22  | 4.1   | 0.6   | 7.3   | 5.2   | 16    | <0.1  | 0.4   | 0.1   | 73    | 0.15  | 0.032 |
| 11YM0259 | Soil                             | 0.7   | 10.0  | 6.3   | 63    | <0.1  | 23.9  | 11.2  | 457   | 3.30  | 3.5   | 0.7   | 7.4   | 5.7   | 16    | <0.1  | 0.3   | <0.1  | 73    | 0.18  | 0.036 |
| 11YM0260 | Soil                             | 0.8   | 9.6   | 6.6   | 59    | <0.1  | 25.6  | 10.8  | 433   | 3.28  | 3.9   | 0.6   | 3.5   | 5.2   | 15    | <0.1  | 0.3   | 0.1   | 72    | 0.16  | 0.036 |



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**Project:** Mariposa  
**Report Date:** December 04, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0231 | Soil                             | 21    | 23    | 0.82  | 320   | 0.027 | 1     | 2.18  | 0.013 | 0.06  | 0.1   | 0.02  | 7.9   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0232 | Soil                             | 30    | 25    | 0.67  | 232   | 0.038 | 1     | 1.97  | 0.014 | 0.05  | 0.2   | 0.03  | 7.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0233 | Soil                             | 10    | 22    | 0.70  | 170   | 0.061 | 1     | 1.74  | 0.020 | 0.06  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0234 | Soil                             | 11    | 10    | 0.82  | 250   | 0.022 | 1     | 1.97  | 0.015 | 0.13  | 0.2   | <0.01 | 7.7   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0235 | Soil                             | 17    | 22    | 0.66  | 228   | 0.047 | 1     | 1.84  | 0.017 | 0.06  | 0.1   | 0.03  | 5.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0236 | Soil                             | 16    | 18    | 0.83  | 250   | 0.043 | 1     | 2.00  | 0.018 | 0.07  | 0.1   | 0.04  | 5.6   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0237 | Soil                             | 18    | 19    | 1.05  | 220   | 0.058 | 1     | 2.07  | 0.023 | 0.11  | 0.1   | 0.03  | 6.6   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0238 | Soil                             | 4     | 20    | 7.52  | 59    | 0.038 | 1     | 1.22  | 0.010 | 0.03  | <0.1  | 0.01  | 1.9   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0239 | Soil                             | 8     | 28    | 4.91  | 97    | 0.048 | 2     | 1.55  | 0.018 | 0.05  | <0.1  | 0.02  | 2.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0240 | Soil                             | 5     | 30    | 4.79  | 93    | 0.049 | 1     | 1.43  | 0.014 | 0.04  | <0.1  | 0.02  | 2.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0241 | Soil                             | 4     | 29    | 5.89  | 35    | 0.034 | 1     | 1.01  | 0.007 | 0.02  | <0.1  | 0.01  | 1.3   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11YM0242 | Soil                             | 8     | 21    | 1.15  | 372   | 0.197 | 1     | 2.05  | 0.016 | 0.52  | <0.1  | <0.01 | 4.3   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0243 | Soil                             | 13    | 22    | 3.65  | 155   | 0.047 | 4     | 1.38  | 0.014 | 0.04  | <0.1  | 0.02  | 4.0   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0244 | Soil                             | 5     | 16    | 4.92  | 85    | 0.019 | 1     | 0.79  | 0.008 | 0.02  | <0.1  | 0.02  | 1.5   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| 11YM0245 | Soil                             | 12    | 23    | 2.44  | 173   | 0.061 | 2     | 1.59  | 0.026 | 0.06  | <0.1  | 0.04  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0246 | Soil                             | 7     | 19    | 4.73  | 101   | 0.032 | 2     | 1.20  | 0.014 | 0.04  | <0.1  | 0.02  | 2.5   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0247 | Soil                             | 10    | 30    | 3.06  | 192   | 0.051 | 3     | 1.79  | 0.023 | 0.07  | <0.1  | 0.04  | 3.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0248 | Soil                             | 12    | 40    | 3.82  | 254   | 0.086 | 2     | 1.74  | 0.016 | 0.10  | <0.1  | 0.03  | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0249 | Soil                             | 3     | 29    | 8.69  | 48    | 0.022 | 1     | 0.57  | 0.005 | 0.01  | <0.1  | <0.01 | 0.8   | <0.1  | <0.05 | 1     | 0.5   | <0.2  |
| 11YM0250 | Soil                             | 10    | 71    | 1.30  | 224   | 0.079 | 2     | 2.00  | 0.015 | 0.04  | 0.1   | <0.01 | 2.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0251 | Soil                             | 10    | 30    | 3.14  | 178   | 0.064 | 3     | 1.48  | 0.024 | 0.06  | <0.1  | 0.03  | 3.2   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 11YM0252 | Soil                             | 13    | 30    | 2.78  | 261   | 0.057 | 2     | 1.76  | 0.018 | 0.06  | 0.1   | 0.03  | 4.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11YM0253 | Soil                             | 11    | 28    | 2.71  | 275   | 0.067 | 3     | 1.99  | 0.022 | 0.08  | <0.1  | 0.02  | 3.8   | <0.1  | <0.05 | 5     | 1.0   | <0.2  |
| 11YM0254 | Soil                             | 11    | 27    | 2.91  | 253   | 0.119 | 2     | 2.25  | 0.023 | 0.12  | <0.1  | 0.03  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0255 | Soil                             | 7     | 22    | 5.03  | 310   | 0.181 | <1    | 3.18  | 0.032 | 0.97  | <0.1  | <0.01 | 2.7   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0256 | Soil                             | 18    | 29    | 1.29  | 323   | 0.085 | 2     | 1.78  | 0.023 | 0.09  | <0.1  | 0.03  | 5.0   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11YM0257 | Soil                             | 12    | 23    | 3.19  | 264   | 0.084 | 2     | 2.03  | 0.016 | 0.06  | <0.1  | 0.03  | 4.3   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11YM0258 | Soil                             | 18    | 41    | 0.96  | 265   | 0.036 | <1    | 2.23  | 0.006 | 0.07  | 0.1   | <0.01 | 4.6   | <0.1  | <0.05 | 9     | <0.5  | 0.2   |
| 11YM0259 | Soil                             | 25    | 34    | 1.09  | 232   | 0.033 | <1    | 2.19  | 0.008 | 0.08  | <0.1  | <0.01 | 5.1   | <0.1  | <0.05 | 9     | 0.7   | <0.2  |
| 11YM0260 | Soil                             | 21    | 38    | 1.00  | 252   | 0.034 | <1    | 2.12  | 0.006 | 0.08  | <0.1  | <0.01 | 4.8   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |



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**Project:** Mariposa  
**Report Date:** December 04, 2011

**Page:** 6 of 6 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11YM0261 | Soil                             | 0.7   | 9.3   | 5.7   | 59    | <0.1  | 21.7  | 11.2  | 444   | 3.29  | 3.0   | 0.7   | 8.1   | 6.9   | 15    | <0.1  | 0.2   | <0.1  | 70    | 0.16  | 0.037 |
| 11YM0262 | Soil                             | 1.1   | 7.9   | 7.1   | 53    | <0.1  | 13.5  | 11.1  | 731   | 2.95  | 4.8   | 0.5   | 1.2   | 4.8   | 16    | <0.1  | 0.4   | 0.1   | 67    | 0.24  | 0.044 |
| 11YM0263 | Soil                             | 0.7   | 6.9   | 8.2   | 53    | <0.1  | 10.3  | 8.1   | 710   | 2.62  | 4.6   | 0.5   | 3.9   | 2.9   | 20    | <0.1  | 0.3   | 0.1   | 54    | 0.39  | 0.050 |
| 11YM0264 | Soil                             | 0.8   | 6.8   | 7.4   | 58    | <0.1  | 9.6   | 9.2   | 671   | 2.75  | 5.1   | 0.4   | <0.5  | 2.5   | 19    | <0.1  | 0.4   | 0.1   | 54    | 0.33  | 0.066 |
| 11YM0265 | Soil                             | 0.6   | 7.5   | 7.5   | 109   | <0.1  | 16.3  | 15.5  | 1378  | 4.95  | 2.4   | 0.6   | 13.6  | 3.3   | 32    | <0.1  | 0.8   | <0.1  | 95    | 0.93  | 0.258 |
| 11YM0266 | Soil                             | 0.9   | 10.0  | 8.1   | 69    | <0.1  | 11.7  | 7.7   | 554   | 2.69  | 3.8   | 0.5   | 18.4  | 3.9   | 30    | <0.1  | 0.6   | <0.1  | 53    | 0.51  | 0.103 |
| 11YM0267 | Soil                             | 0.6   | 16.2  | 8.3   | 73    | <0.1  | 21.1  | 9.7   | 513   | 3.04  | 5.2   | 0.6   | 26.8  | 4.0   | 35    | <0.1  | 0.5   | 0.1   | 67    | 0.53  | 0.086 |
| 11YM0268 | Soil                             | 0.4   | 8.6   | 8.0   | 84    | <0.1  | 10.1  | 8.4   | 747   | 3.18  | 3.8   | 0.4   | 10.9  | 4.5   | 25    | <0.1  | 4.2   | <0.1  | 59    | 0.69  | 0.154 |
| 11YM0269 | Soil                             | 0.3   | 19.3  | 7.9   | 58    | <0.1  | 24.6  | 10.5  | 786   | 2.41  | 3.7   | 0.7   | 5.9   | 2.8   | 42    | 0.2   | 0.4   | 0.1   | 54    | 1.56  | 0.075 |
| 11YM0270 | Soil                             | 0.3   | 21.6  | 8.2   | 61    | 0.1   | 22.2  | 10.1  | 742   | 2.44  | 4.6   | 1.2   | 13.2  | 2.7   | 44    | <0.1  | 0.4   | <0.1  | 53    | 1.50  | 0.088 |
| 11YM0271 | Soil                             | 0.6   | 13.5  | 7.4   | 58    | <0.1  | 18.4  | 9.4   | 527   | 2.48  | 3.7   | 0.8   | 10.1  | 3.9   | 33    | <0.1  | 0.3   | <0.1  | 51    | 0.56  | 0.098 |
| 11YM0272 | Soil                             | 0.1   | 41.3  | 10.3  | 45    | <0.1  | 118.5 | 17.0  | 632   | 2.70  | 1.3   | 1.1   | 4.4   | 5.5   | 174   | 0.3   | 0.1   | <0.1  | 79    | 4.58  | 0.234 |
| 11YM0273 | Soil                             | 0.2   | 38.9  | 4.6   | 51    | <0.1  | 44.3  | 16.6  | 532   | 4.60  | 1.2   | 0.7   | <0.5  | 3.5   | 26    | <0.1  | <0.1  | <0.1  | 117   | 1.30  | 0.098 |
| 11YM0274 | Soil                             | 0.6   | 17.9  | 11.2  | 55    | <0.1  | 18.7  | 9.9   | 774   | 2.35  | 4.9   | 1.0   | 1.5   | 3.0   | 33    | 0.2   | 0.2   | 0.1   | 67    | 1.01  | 0.028 |
| 11YM0275 | Soil                             | 0.2   | 23.6  | 3.9   | 54    | <0.1  | 23.5  | 9.7   | 501   | 2.78  | 1.0   | 0.6   | <0.5  | 2.8   | 31    | 0.1   | <0.1  | <0.1  | 75    | 1.48  | 0.097 |
| 11YM0276 | Soil                             | 0.9   | 9.7   | 8.6   | 58    | <0.1  | 14.7  | 9.0   | 240   | 2.60  | 5.2   | 0.4   | 11.8  | 2.1   | 22    | 0.2   | 0.3   | 0.1   | 74    | 0.64  | 0.017 |
| 11YM0277 | Soil                             | 0.2   | 19.6  | 3.6   | 29    | <0.1  | 30.7  | 4.9   | 267   | 1.01  | <0.5  | 0.7   | <0.5  | 1.0   | 94    | 0.3   | <0.1  | <0.1  | 31    | 10.09 | 0.051 |



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**Project:** Mariposa  
**Report Date:** December 04, 2011

**Page:** 6 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001849.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11YM0261 | Soil                             | 27    | 33    | 1.08  | 217   | 0.030 | <1    | 2.08  | 0.006 | 0.08  | <0.1  | <0.01 | 5.2   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11YM0262 | Soil                             | 12    | 23    | 0.89  | 214   | 0.045 | <1    | 1.85  | 0.010 | 0.09  | 0.1   | <0.01 | 4.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0263 | Soil                             | 6     | 18    | 0.55  | 266   | 0.021 | <1    | 1.77  | 0.010 | 0.09  | 0.1   | <0.01 | 2.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0264 | Soil                             | 8     | 18    | 0.55  | 269   | 0.023 | <1    | 1.68  | 0.008 | 0.09  | <0.1  | <0.01 | 3.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0265 | Soil                             | 28    | 16    | 1.02  | 452   | 0.010 | <1    | 2.05  | 0.007 | 0.13  | 0.1   | 0.02  | 10.8  | <0.1  | <0.05 | 9     | 0.7   | <0.2  |
| 11YM0266 | Soil                             | 16    | 18    | 0.56  | 254   | 0.034 | <1    | 1.66  | 0.010 | 0.08  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11YM0267 | Soil                             | 18    | 29    | 0.73  | 346   | 0.067 | <1    | 1.87  | 0.016 | 0.09  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0268 | Soil                             | 26    | 13    | 0.47  | 324   | 0.041 | 2     | 1.36  | 0.011 | 0.18  | 0.4   | 0.02  | 6.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0269 | Soil                             | 24    | 33    | 1.00  | 426   | 0.058 | 2     | 1.71  | 0.016 | 0.08  | 0.1   | 0.03  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0270 | Soil                             | 24    | 30    | 0.93  | 467   | 0.056 | 2     | 1.66  | 0.016 | 0.11  | 0.1   | 0.04  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0271 | Soil                             | 24    | 26    | 0.83  | 419   | 0.045 | 1     | 1.57  | 0.014 | 0.14  | <0.1  | 0.04  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0272 | Soil                             | 33    | 139   | 5.36  | 680   | 0.191 | 1     | 2.21  | 0.025 | 0.39  | <0.1  | 0.01  | 4.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11YM0273 | Soil                             | 14    | 62    | 5.34  | 383   | 0.398 | <1    | 3.32  | 0.013 | 0.55  | 0.1   | <0.01 | 10.1  | 0.1   | <0.05 | 12    | <0.5  | <0.2  |
| 11YM0274 | Soil                             | 12    | 27    | 2.46  | 192   | 0.148 | 1     | 2.20  | 0.021 | 0.07  | <0.1  | 0.02  | 4.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11YM0275 | Soil                             | 11    | 23    | 4.96  | 142   | 0.237 | <1    | 2.35  | 0.011 | 0.68  | <0.1  | <0.01 | 4.9   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 11YM0276 | Soil                             | 9     | 29    | 0.77  | 190   | 0.081 | <1    | 1.72  | 0.014 | 0.08  | 0.1   | <0.01 | 3.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11YM0277 | Soil                             | 4     | 61    | 6.56  | 90    | 0.064 | <1    | 1.19  | 0.009 | 0.06  | <0.1  | <0.01 | 1.9   | <0.1  | <0.05 | 3     | 0.6   | <0.2  |





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Report Date: December 04, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001849.1

| Method              | Analyte  | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |        |       |
|---------------------|----------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
|                     |          |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca     | P     |
|                     |          |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %      | %     |
|                     |          |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01   | 0.001 |
| Pulp Duplicates     |          |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |
| 11YM0151            | Soil     |      | 1.6  | 20.0  | 7.7   | 73    | 0.1   | 11.3  | 8.9   | 239   | 2.96  | 6.9   | 0.7   | 1.5   | 2.1   | 21    | <0.1  | 0.3   | <0.1  | 70    | 0.34  | 0.098  |       |
| REP 11YM0151        | QC       |      | 1.9  | 20.1  | 7.5   | 74    | 0.1   | 11.4  | 8.9   | 235   | 2.89  | 7.1   | 0.7   | <0.5  | 2.1   | 22    | <0.1  | 0.2   | 0.1   | 68    | 0.33  | 0.093  |       |
| 11YM0167            | Soil     |      | 1.5  | 36.7  | 6.9   | 138   | <0.1  | 13.2  | 18.1  | 875   | 5.20  | 3.9   | 0.6   | 1.8   | 4.3   | 17    | 0.1   | 0.3   | <0.1  | 115   | 0.48  | 0.150  |       |
| REP 11YM0167        | QC       |      | 1.4  | 38.3  | 6.9   | 145   | <0.1  | 13.2  | 18.7  | 904   | 5.46  | 4.1   | 0.6   | 2.6   | 4.5   | 18    | 0.2   | 0.3   | <0.1  | 119   | 0.46  | 0.147  |       |
| 11YM0183            | Soil     |      | 0.8  | 17.8  | 8.4   | 52    | 0.1   | 17.8  | 11.4  | 389   | 2.94  | 7.6   | 0.4   | <0.5  | 2.4   | 26    | <0.1  | 0.4   | 0.2   | 81    | 0.30  | 0.074  |       |
| REP 11YM0183        | QC       |      | 0.8  | 18.5  | 8.5   | 48    | 0.1   | 17.8  | 11.4  | 385   | 2.84  | 7.2   | 0.4   | 1.9   | 2.5   | 27    | <0.1  | 0.5   | 0.1   | 82    | 0.31  | 0.073  |       |
| 11YM0197            | Soil     |      | 0.6  | 19.0  | 5.1   | 98    | <0.1  | 9.9   | 12.6  | 911   | 4.23  | 3.1   | 0.4   | 5.0   | 2.6   | 39    | <0.1  | 0.3   | <0.1  | 93    | 0.80  | 0.167  |       |
| REP 11YM0197        | QC       |      | 0.6  | 17.8  | 5.3   | 99    | <0.1  | 10.3  | 12.7  | 919   | 4.17  | 3.3   | 0.4   | 4.9   | 2.6   | 39    | 0.1   | 0.3   | <0.1  | 88    | 0.77  | 0.162  |       |
| 11YM0224            | Soil     |      | 0.3  | 21.6  | 8.2   | 55    | <0.1  | 20.0  | 8.5   | 375   | 2.36  | 6.1   | 0.5   | 2.5   | 2.8   | 31    | 0.1   | 0.2   | 0.1   | 54    | 1.28  | 0.055  |       |
| REP 11YM0224        | QC       |      | 0.3  | 21.5  | 8.5   | 55    | 0.1   | 20.5  | 8.8   | 373   | 2.36  | 6.3   | 0.6   | 1.7   | 2.8   | 32    | <0.1  | 0.2   | 0.2   | 56    | 1.30  | 0.055  |       |
| 11YM0242            | Soil     |      | 0.8  | 6.7   | 5.3   | 71    | <0.1  | 12.4  | 10.5  | 485   | 3.58  | 4.4   | 0.3   | 0.9   | 2.0   | 22    | 0.2   | 0.4   | <0.1  | 80    | 0.41  | 0.028  |       |
| REP 11YM0242        | QC       |      | 0.8  | 7.0   | 5.6   | 72    | <0.1  | 12.9  | 10.8  | 494   | 3.67  | 4.7   | 0.3   | 0.6   | 2.1   | 24    | 0.2   | 0.4   | 0.1   | 84    | 0.41  | 0.032  |       |
| 11YM0261            | Soil     |      | 0.7  | 9.3   | 5.7   | 59    | <0.1  | 21.7  | 11.2  | 444   | 3.29  | 3.0   | 0.7   | 8.1   | 6.9   | 15    | <0.1  | 0.2   | <0.1  | 70    | 0.16  | 0.037  |       |
| REP 11YM0261        | QC       |      | 0.6  | 9.1   | 6.0   | 59    | <0.1  | 21.1  | 11.6  | 437   | 3.27  | 3.0   | 0.7   | 6.0   | 7.0   | 15    | <0.1  | 0.4   | <0.1  | 69    | 0.16  | 0.036  |       |
| 11YM0267            | Soil     |      | 0.6  | 16.2  | 8.3   | 73    | <0.1  | 21.1  | 9.7   | 513   | 3.04  | 5.2   | 0.6   | 26.8  | 4.0   | 35    | <0.1  | 0.5   | 0.1   | 67    | 0.53  | 0.086  |       |
| REP 11YM0267        | QC       |      | 0.7  | 15.2  | 8.2   | 71    | <0.1  | 20.7  | 10.5  | 523   | 3.07  | 5.1   | 0.6   | 15.6  | 4.1   | 35    | <0.1  | 0.4   | 0.1   | 69    | 0.53  | 0.083  |       |
| Reference Materials |          |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |
| STD DS8             | Standard |      | 13.2 | 112.5 | 131.4 | 326   | 1.9   | 38.2  | 7.6   | 640   | 2.60  | 28.3  | 3.0   | 120.0 | 6.8   | 79    | 2.4   | 5.9   | 6.3   | 43    | 0.72  | 0.089  |       |
| STD DS8             | Standard |      | 13.8 | 105.4 | 125.7 | 303   | 1.7   | 36.8  | 7.3   | 641   | 2.38  | 25.3  | 2.9   | 112.5 | 7.3   | 80    | 2.2   | 5.3   | 5.8   | 43    | 0.76  | 0.075  |       |
| STD DS8             | Standard |      | 14.1 | 111.9 | 126.8 | 309   | 1.9   | 38.0  | 7.8   | 617   | 2.42  | 25.1  | 3.0   | 103.8 | 7.0   | 75    | 2.0   | 5.9   | 6.4   | 43    | 0.70  | 0.076  |       |
| STD DS8             | Standard |      | 13.3 | 99.7  | 125.3 | 296   | 1.8   | 37.0  | 7.1   | 590   | 2.37  | 24.1  | 2.8   | 105.1 | 6.9   | 71    | 2.2   | 5.2   | 6.0   | 40    | 0.74  | 0.075  |       |
| STD DS8 Expected    |          |      |      | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7    | 0.08  |
| BLK                 | Blank    |      | <0.1 | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |       |
| BLK                 | Blank    |      | <0.1 | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |       |
| BLK                 | Blank    |      | <0.1 | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |       |
| BLK                 | Blank    |      | <0.1 | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |       |



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Report Date: December 04, 2011

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## QUALITY CONTROL REPORT

WHI11001849.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11YM0151            | Soil                             | 10    | 22    | 0.77   | 229   | 0.114  | 1     | 1.81  | 0.014  | 0.09  | 0.1   | 0.06  | 4.2   | 0.1   | 0.05   | 7     | <0.5  | <0.2  |
| REP 11YM0151        | QC                               | 10    | 22    | 0.78   | 228   | 0.111  | 1     | 1.81  | 0.014  | 0.09  | 0.1   | 0.05  | 3.9   | 0.1   | 0.05   | 7     | 0.7   | <0.2  |
| 11YM0167            | Soil                             | 16    | 22    | 1.15   | 543   | 0.096  | <1    | 2.31  | 0.008  | 0.28  | <0.1  | <0.01 | 9.2   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11YM0167        | QC                               | 16    | 23    | 1.17   | 571   | 0.099  | 2     | 2.46  | 0.023  | 0.29  | <0.1  | <0.01 | 9.4   | <0.1  | <0.05  | 8     | <0.5  | <0.2  |
| 11YM0183            | Soil                             | 9     | 33    | 0.59   | 239   | 0.083  | 2     | 2.05  | 0.019  | 0.07  | 0.1   | 0.01  | 3.7   | <0.1  | <0.05  | 7     | 0.6   | <0.2  |
| REP 11YM0183        | QC                               | 9     | 33    | 0.60   | 238   | 0.083  | <1    | 2.07  | 0.030  | 0.07  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| 11YM0197            | Soil                             | 11    | 19    | 1.07   | 295   | 0.089  | <1    | 2.21  | 0.017  | 0.23  | <0.1  | 0.03  | 4.8   | <0.1  | <0.05  | 9     | <0.5  | <0.2  |
| REP 11YM0197        | QC                               | 11    | 19    | 1.08   | 292   | 0.090  | <1    | 2.17  | 0.015  | 0.23  | <0.1  | 0.03  | 5.0   | <0.1  | <0.05  | 9     | <0.5  | <0.2  |
| 11YM0224            | Soil                             | 14    | 28    | 1.86   | 207   | 0.053  | 2     | 1.89  | 0.021  | 0.04  | 0.1   | 0.05  | 3.9   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| REP 11YM0224        | QC                               | 15    | 29    | 1.85   | 215   | 0.062  | 2     | 1.95  | 0.023  | 0.05  | 0.1   | 0.05  | 4.1   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| 11YM0242            | Soil                             | 8     | 21    | 1.15   | 372   | 0.197  | 1     | 2.05  | 0.016  | 0.52  | <0.1  | <0.01 | 4.3   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11YM0242        | QC                               | 8     | 22    | 1.24   | 378   | 0.202  | 1     | 2.25  | 0.014  | 0.54  | <0.1  | 0.01  | 4.4   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| 11YM0261            | Soil                             | 27    | 33    | 1.08   | 217   | 0.030  | <1    | 2.08  | 0.006  | 0.08  | <0.1  | <0.01 | 5.2   | <0.1  | <0.05  | 9     | <0.5  | <0.2  |
| REP 11YM0261        | QC                               | 28    | 32    | 1.08   | 222   | 0.029  | <1    | 2.08  | 0.006  | 0.08  | <0.1  | <0.01 | 5.1   | <0.1  | <0.05  | 9     | <0.5  | <0.2  |
| 11YM0267            | Soil                             | 18    | 29    | 0.73   | 346   | 0.067  | <1    | 1.87  | 0.016  | 0.09  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05  | 7     | <0.5  | <0.2  |
| REP 11YM0267        | QC                               | 19    | 29    | 0.74   | 350   | 0.069  | <1    | 1.90  | 0.015  | 0.08  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05  | 7     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 15    | 119   | 0.64   | 309   | 0.119  | 2     | 1.07  | 0.094  | 0.52  | 3.0   | 0.19  | 2.3   | 5.9   | 0.17   | 6     | 5.3   | 5.5   |
| STD DS8             | Standard                         | 18    | 119   | 0.60   | 287   | 0.125  | 2     | 1.01  | 0.094  | 0.45  | 2.7   | 0.20  | 2.9   | 5.3   | 0.10   | 5     | 5.5   | 5.5   |
| STD DS8             | Standard                         | 17    | 116   | 0.61   | 273   | 0.121  | 3     | 0.99  | 0.105  | 0.42  | 3.0   | 0.23  | 3.0   | 5.4   | 0.11   | 5     | 5.9   | 5.4   |
| STD DS8             | Standard                         | 17    | 118   | 0.60   | 286   | 0.120  | 3     | 0.97  | 0.127  | 0.43  | 3.1   | 0.17  | 3.3   | 5.4   | 0.16   | 5     | 4.6   | 4.9   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: September 23, 2011

Report Date: December 07, 2011

Page: 1 of 5

## CERTIFICATE OF ANALYSIS

WHI11001850.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-44  
P.O. Number  
Number of Samples: 98

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 98                | Dry at 60C sieve 100g to -80 mesh          |              |               | VAN |
| Dry at 60C  | 98                | Dry at 60C                                 |              |               | VAN |
| RJSV        | 98                | Saving all or part of Soil Reject          |              |               | VAN |
| 1DX2        | 98                | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: December 07, 2011

Page: 2 of 5 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001850.1

|          | Method | Analyte | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |    |      |
|----------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11CB1232 | Soil   |         | 1.1  | 46.7 | 5.3   | 58    | <0.1  | 14.2  | 11.4  | 729   | 2.79  | 3.0   | 0.6   | 1.1   | 3.8   | 28    | 0.1   | 0.2   | <0.1  | 60    | 0.70  | 0.062 |    |      |
| 11CB1233 | Soil   |         | 3.9  | 73.4 | 7.1   | 60    | 0.1   | 15.1  | 12.5  | 284   | 3.89  | 5.3   | 0.6   | 0.6   | 1.7   | 29    | <0.1  | 0.2   | <0.1  | 93    | 0.17  | 0.036 |    |      |
| 11CB1234 | Soil   |         | 1.8  | 20.6 | 10.0  | 49    | 0.2   | 21.7  | 11.7  | 226   | 3.31  | 8.9   | 0.5   | 1.5   | 3.1   | 16    | <0.1  | 0.6   | 0.2   | 65    | 0.13  | 0.030 |    |      |
| 11CB1235 | Soil   |         | 1.8  | 63.5 | 6.0   | 49    | <0.1  | 7.5   | 7.8   | 298   | 3.16  | 1.3   | 0.6   | 1.3   | 0.4   | 25    | <0.1  | 0.1   | <0.1  | 57    | 0.13  | 0.092 |    |      |
| 11CB1236 | Soil   |         | 2.2  | 26.4 | 7.9   | 47    | <0.1  | 12.7  | 10.4  | 228   | 3.50  | 8.3   | 0.6   | 2.3   | 3.5   | 13    | <0.1  | 0.3   | 0.2   | 83    | 0.14  | 0.050 |    |      |
| 11CB1237 | Soil   |         | 1.7  | 29.1 | 6.9   | 60    | <0.1  | 12.1  | 8.8   | 217   | 3.09  | 3.9   | 0.8   | 1.5   | 2.4   | 15    | <0.1  | 0.2   | 0.1   | 78    | 0.19  | 0.058 |    |      |
| 11CB1238 | Soil   |         | 1.3  | 38.1 | 7.2   | 51    | 0.1   | 11.4  | 7.4   | 163   | 2.63  | 2.7   | 1.2   | 1.6   | 1.4   | 17    | <0.1  | 0.1   | 0.1   | 70    | 0.19  | 0.054 |    |      |
| 11CB1239 | Soil   |         | 0.5  | 15.1 | 5.4   | 69    | <0.1  | 18.3  | 15.7  | 533   | 3.51  | 3.1   | 0.7   | 3.2   | 3.5   | 27    | <0.1  | 0.1   | <0.1  | 84    | 0.49  | 0.093 |    |      |
| 11CB1240 | Soil   |         | 0.4  | 16.1 | 8.1   | 75    | <0.1  | 17.1  | 13.1  | 421   | 3.25  | 4.0   | 1.0   | 1.6   | 4.1   | 28    | 0.1   | 0.2   | 0.1   | 74    | 0.45  | 0.068 |    |      |
| 11CB1241 | Soil   |         | 0.4  | 16.4 | 8.3   | 71    | <0.1  | 18.0  | 12.8  | 360   | 3.22  | 4.2   | 1.0   | 3.9   | 4.2   | 28    | 0.1   | 0.2   | 0.1   | 74    | 0.44  | 0.064 |    |      |
| 11CB1242 | Soil   |         | 0.5  | 25.5 | 6.8   | 74    | <0.1  | 17.2  | 10.5  | 449   | 2.93  | 3.3   | 0.8   | 1.4   | 2.3   | 29    | <0.1  | 0.1   | <0.1  | 71    | 0.43  | 0.083 |    |      |
| 11CB1243 | Soil   |         | 0.5  | 32.5 | 7.3   | 88    | 0.1   | 19.9  | 13.5  | 1373  | 2.79  | 1.9   | 1.7   | 1.7   | 1.9   | 39    | 0.3   | 0.2   | <0.1  | 61    | 0.93  | 0.105 |    |      |
| 11CB1244 | Soil   |         | 0.2  | 21.2 | 7.5   | 79    | <0.1  | 16.5  | 10.9  | 461   | 2.90  | 3.8   | 1.1   | 12.2  | 2.1   | 39    | 0.2   | 0.2   | <0.1  | 68    | 0.76  | 0.091 |    |      |
| 11CB1245 | Soil   |         | 0.9  | 33.8 | 3.8   | 64    | <0.1  | 16.7  | 11.6  | 778   | 2.95  | 1.2   | 0.6   | 7.7   | 1.9   | 64    | 0.1   | 0.1   | <0.1  | 80    | 1.48  | 0.126 |    |      |
| 11CB1246 | Soil   |         | 6.3  | 86.0 | 7.1   | 86    | 0.2   | 47.9  | 19.0  | 808   | 3.74  | 5.7   | 0.7   | 13.1  | 1.4   | 42    | 0.2   | 0.3   | <0.1  | 81    | 1.54  | 0.151 |    |      |
| 11CB1247 | Soil   |         | 7.0  | 99.3 | 5.9   | 83    | 0.2   | 49.9  | 20.5  | 631   | 3.39  | 3.9   | 0.8   | 7.5   | 1.0   | 61    | 0.2   | 0.2   | 0.1   | 77    | 1.76  | 0.198 |    |      |
| 11CB1248 | Soil   |         | 6.6  | 58.4 | 4.8   | 67    | 0.1   | 38.8  | 15.2  | 919   | 2.51  | 3.6   | 0.6   | 4.6   | 0.5   | 79    | 0.4   | 0.4   | 0.1   | 50    | 2.37  | 0.135 |    |      |
| 11CB1249 | Soil   |         | 2.7  | 50.2 | 7.0   | 57    | <0.1  | 30.0  | 12.9  | 476   | 2.56  | 4.6   | 0.7   | 5.3   | 0.7   | 70    | 0.2   | 0.3   | <0.1  | 51    | 2.71  | 0.122 |    |      |
| 11CB1250 | Soil   |         | 1.9  | 32.5 | 8.4   | 64    | <0.1  | 25.9  | 11.7  | 587   | 2.49  | 6.4   | 0.7   | 4.0   | 1.0   | 56    | 0.3   | 0.3   | 0.1   | 52    | 2.32  | 0.091 |    |      |
| 11CB1251 | Soil   |         | 2.5  | 31.7 | 7.9   | 57    | <0.1  | 20.8  | 10.3  | 532   | 2.24  | 5.7   | 0.5   | 4.6   | 1.1   | 55    | 0.3   | 0.3   | <0.1  | 48    | 2.94  | 0.098 |    |      |
| 11CB1252 | Soil   |         | 2.2  | 34.1 | 8.1   | 57    | <0.1  | 24.2  | 9.6   | 616   | 2.11  | 6.2   | 0.8   | 13.4  | 0.8   | 59    | 0.2   | 0.4   | 0.1   | 48    | 2.43  | 0.084 |    |      |
| 11CB1253 | Soil   |         | 0.8  | 15.5 | 3.7   | 29    | <0.1  | 10.6  | 4.9   | 348   | 1.07  | 2.2   | 0.4   | 1.3   | 0.3   | 38    | 0.1   | 0.1   | <0.1  | 22    | 1.50  | 0.036 |    |      |
| 11CB1254 | Soil   |         | 0.2  | 31.3 | 6.5   | 49    | <0.1  | 24.5  | 9.1   | 1446  | 2.07  | 4.5   | 1.8   | 12.9  | 1.6   | 52    | 0.5   | 0.4   | 0.1   | 51    | 2.36  | 0.077 |    |      |
| 11CB1255 | Soil   |         | 1.1  | 17.4 | 0.7   | 21    | <0.1  | 7.1   | 1.9   | 2262  | 0.41  | 0.7   | 4.2   | 2.4   | <0.1  | 167   | 0.2   | 0.3   | <0.1  | 7     | 4.03  | 0.088 |    |      |
| 11CB1256 | Soil   |         | 1.1  | 30.5 | 7.6   | 87    | <0.1  | 21.2  | 12.0  | 572   | 3.25  | 5.2   | 1.0   | 15.4  | 3.7   | 46    | 0.1   | 0.5   | <0.1  | 67    | 0.61  | 0.082 |    |      |
| 11CB1257 | Soil   |         | 1.1  | 38.3 | 8.0   | 83    | <0.1  | 25.2  | 13.5  | 923   | 3.46  | 6.2   | 1.2   | 36.8  | 3.8   | 57    | 0.2   | 0.5   | 0.1   | 73    | 0.69  | 0.074 |    |      |
| 11CB1258 | Soil   |         | 1.4  | 32.6 | 7.6   | 84    | <0.1  | 23.1  | 12.4  | 801   | 3.48  | 5.5   | 1.0   | 19.3  | 3.6   | 57    | <0.1  | 0.5   | <0.1  | 71    | 0.69  | 0.079 |    |      |
| 11CB1259 | Soil   |         | 1.2  | 30.9 | 7.9   | 87    | <0.1  | 22.4  | 12.9  | 694   | 3.39  | 5.4   | 1.1   | 29.5  | 3.7   | 57    | 0.2   | 0.4   | 0.1   | 70    | 0.70  | 0.088 |    |      |
| 11CB1260 | Soil   |         | 1.3  | 36.2 | 7.5   | 83    | <0.1  | 23.7  | 13.6  | 938   | 3.43  | 5.4   | 1.2   | 21.4  | 3.3   | 71    | 0.2   | 0.5   | 0.1   | 68    | 0.86  | 0.090 |    |      |
| 11CB1261 | Soil   |         | 1.3  | 27.1 | 7.0   | 86    | 0.1   | 21.0  | 13.0  | 802   | 3.43  | 4.9   | 1.0   | 25.1  | 3.3   | 66    | 0.2   | 0.4   | 0.1   | 72    | 0.81  | 0.102 |    |      |



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**Project:** Mariposa  
**Report Date:** December 07, 2011

**Page:** 2 of 5 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001850.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB1232 | Soil                             | 12    | 25    | 1.43  | 221   | 0.150 | 1     | 2.11  | 0.021 | 0.13  | 0.1   | 0.03  | 2.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1233 | Soil                             | 7     | 23    | 1.03  | 135   | 0.134 | <1    | 2.18  | 0.015 | 0.20  | <0.1  | <0.01 | 5.2   | <0.1  | 0.13  | 9     | <0.5  | <0.2  |
| 11CB1234 | Soil                             | 9     | 34    | 0.48  | 222   | 0.062 | <1    | 2.31  | 0.012 | 0.05  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1235 | Soil                             | 7     | 16    | 0.71  | 264   | 0.104 | <1    | 1.87  | 0.017 | 0.40  | <0.1  | 0.04  | 2.2   | 0.1   | 0.15  | 6     | <0.5  | <0.2  |
| 11CB1236 | Soil                             | 11    | 23    | 0.79  | 150   | 0.126 | 1     | 2.00  | 0.009 | 0.24  | 0.1   | 0.03  | 4.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1237 | Soil                             | 12    | 23    | 0.81  | 174   | 0.136 | 1     | 1.93  | 0.012 | 0.26  | <0.1  | 0.03  | 4.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1238 | Soil                             | 13    | 28    | 0.77  | 199   | 0.110 | 1     | 1.76  | 0.010 | 0.21  | <0.1  | 0.04  | 4.2   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1239 | Soil                             | 13    | 33    | 1.77  | 330   | 0.170 | <1    | 2.32  | 0.012 | 0.35  | <0.1  | 0.02  | 6.4   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11CB1240 | Soil                             | 16    | 31    | 1.21  | 323   | 0.161 | 1     | 2.05  | 0.012 | 0.13  | <0.1  | 0.04  | 4.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1241 | Soil                             | 16    | 31    | 1.25  | 322   | 0.167 | 1     | 2.10  | 0.013 | 0.14  | <0.1  | 0.03  | 4.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1242 | Soil                             | 11    | 37    | 1.18  | 273   | 0.145 | <1    | 1.92  | 0.012 | 0.14  | <0.1  | 0.03  | 3.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1243 | Soil                             | 21    | 35    | 1.76  | 369   | 0.098 | 2     | 2.07  | 0.015 | 0.09  | <0.1  | 0.07  | 5.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1244 | Soil                             | 11    | 32    | 0.89  | 239   | 0.074 | 1     | 1.66  | 0.018 | 0.05  | <0.1  | 0.06  | 4.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1245 | Soil                             | 11    | 26    | 0.87  | 216   | 0.077 | 1     | 1.71  | 0.019 | 0.11  | <0.1  | 0.03  | 6.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1246 | Soil                             | 11    | 66    | 1.04  | 270   | 0.050 | 1     | 1.66  | 0.016 | 0.06  | <0.1  | 0.05  | 7.1   | <0.1  | <0.05 | 6     | 1.0   | <0.2  |
| 11CB1247 | Soil                             | 11    | 53    | 1.16  | 270   | 0.075 | 2     | 1.77  | 0.016 | 0.09  | 0.1   | 0.03  | 4.6   | <0.1  | <0.05 | 7     | 1.3   | 0.2   |
| 11CB1248 | Soil                             | 9     | 41    | 0.76  | 351   | 0.033 | 3     | 1.26  | 0.012 | 0.05  | <0.1  | 0.06  | 3.4   | <0.1  | 0.09  | 5     | 0.7   | 0.2   |
| 11CB1249 | Soil                             | 8     | 35    | 0.80  | 237   | 0.040 | 2     | 1.27  | 0.013 | 0.04  | 0.2   | 0.04  | 2.7   | <0.1  | 0.08  | 5     | 0.7   | <0.2  |
| 11CB1250 | Soil                             | 10    | 32    | 1.00  | 294   | 0.037 | 3     | 1.28  | 0.015 | 0.05  | 0.1   | 0.05  | 2.6   | <0.1  | 0.06  | 4     | 0.7   | <0.2  |
| 11CB1251 | Soil                             | 10    | 26    | 1.48  | 208   | 0.036 | 1     | 1.07  | 0.015 | 0.05  | 0.2   | 0.03  | 2.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11CB1252 | Soil                             | 10    | 29    | 0.88  | 273   | 0.035 | 3     | 1.16  | 0.015 | 0.05  | 0.2   | 0.06  | 2.4   | <0.1  | 0.06  | 4     | 0.8   | 0.2   |
| 11CB1253 | Soil                             | 4     | 17    | 0.54  | 136   | 0.019 | 3     | 0.63  | 0.007 | 0.02  | <0.1  | 0.02  | 1.1   | <0.1  | <0.05 | 2     | <0.5  | 0.3   |
| 11CB1254 | Soil                             | 11    | 32    | 1.32  | 635   | 0.053 | 3     | 1.40  | 0.014 | 0.06  | 0.1   | 0.05  | 3.4   | <0.1  | 0.12  | 5     | 1.3   | 0.2   |
| 11CB1255 | Soil                             | 2     | 3     | 0.30  | 1124  | 0.004 | 11    | 0.20  | 0.014 | 0.02  | <0.1  | 0.08  | 0.3   | <0.1  | 0.24  | <1    | 0.9   | 0.2   |
| 11CB1256 | Soil                             | 17    | 33    | 0.77  | 540   | 0.073 | 1     | 1.72  | 0.014 | 0.14  | 0.1   | 0.05  | 7.4   | <0.1  | <0.05 | 6     | <0.5  | 0.2   |
| 11CB1257 | Soil                             | 20    | 35    | 0.78  | 646   | 0.073 | 2     | 1.88  | 0.014 | 0.12  | 0.2   | 0.05  | 8.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1258 | Soil                             | 18    | 34    | 0.80  | 603   | 0.078 | <1    | 1.80  | 0.013 | 0.14  | 0.1   | 0.03  | 7.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1259 | Soil                             | 18    | 33    | 0.80  | 567   | 0.073 | 1     | 1.80  | 0.013 | 0.14  | 0.2   | 0.05  | 7.8   | <0.1  | <0.05 | 7     | 0.7   | 0.3   |
| 11CB1260 | Soil                             | 19    | 33    | 0.77  | 682   | 0.064 | 1     | 1.80  | 0.013 | 0.13  | 0.2   | 0.06  | 8.4   | <0.1  | <0.05 | 6     | 0.9   | <0.2  |
| 11CB1261 | Soil                             | 15    | 35    | 0.81  | 619   | 0.073 | 1     | 1.83  | 0.012 | 0.15  | 0.2   | 0.04  | 8.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

Page: 3 of 5 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001850.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11CB1262 | Soil                             | 1.0        | 16.1       | 8.6        | 58       | <0.1       | 17.3       | 9.2        | 435      | 2.72      | 9.3        | 0.4        | 1.5        | 2.0        | 23       | 0.1        | 0.5        | 0.2        | 66       | 0.27      |
| 11CB1263 | Soil                             | 0.2        | 27.3       | 3.9        | 53       | <0.1       | 13.0       | 7.8        | 445      | 2.44      | 2.6        | 0.5        | 1.4        | 1.3        | 77       | <0.1       | <0.1       | <0.1       | 62       | 1.42      |
| 11CB1264 | Soil                             | 0.3        | 27.6       | 4.6        | 52       | <0.1       | 15.1       | 8.4        | 528      | 2.48      | 3.2        | 0.7        | 1.5        | 1.5        | 71       | <0.1       | 0.1        | <0.1       | 65       | 1.27      |
| 11CB1265 | Soil                             | 0.2        | 27.5       | 4.4        | 52       | 0.1        | 13.4       | 8.5        | 509      | 2.44      | 2.8        | 0.6        | 2.0        | 1.4        | 73       | <0.1       | 0.2        | <0.1       | 65       | 1.40      |
| 11CB1266 | Soil                             | 0.3        | 28.5       | 4.8        | 54       | <0.1       | 15.9       | 8.9        | 530      | 2.56      | 2.9        | 0.6        | 2.3        | 1.6        | 74       | <0.1       | 0.1        | <0.1       | 68       | 1.27      |
| 11CB1267 | Soil                             | 12.2       | 50.0       | 9.7        | 68       | 0.4        | 38.7       | 13.0       | 503      | 2.99      | 8.0        | 1.3        | 36.7       | 2.3        | 26       | 0.2        | 0.3        | 0.2        | 68       | 0.45      |
| 11CB1268 | Soil                             | 12.4       | 49.8       | 9.3        | 70       | 0.3        | 37.4       | 13.5       | 523      | 3.04      | 7.6        | 1.2        | 139.2      | 2.3        | 25       | 0.2        | 0.4        | 0.1        | 70       | 0.46      |
| 11CB1269 | Soil                             | 11.8       | 49.1       | 9.1        | 73       | 0.4        | 38.1       | 13.7       | 583      | 3.07      | 8.4        | 1.2        | 25.2       | 2.4        | 26       | 0.2        | 0.4        | 0.1        | 70       | 0.46      |
| 11CB1270 | Soil                             | 12.7       | 50.6       | 9.5        | 76       | 0.3        | 39.8       | 13.8       | 572      | 3.07      | 8.0        | 1.4        | 14.5       | 2.5        | 27       | 0.2        | 0.4        | 0.2        | 72       | 0.50      |
| 11CB1271 | Soil                             | 12.8       | 47.4       | 9.6        | 75       | 0.4        | 37.1       | 13.7       | 528      | 2.99      | 7.5        | 1.3        | 14.6       | 2.4        | 26       | 0.2        | 0.4        | 0.2        | 71       | 0.46      |
| 11CB1272 | Soil                             | 8.6        | 26.0       | 9.7        | 61       | 0.2        | 27.6       | 10.2       | 306      | 3.03      | 7.7        | 0.6        | 9.9        | 2.0        | 22       | 0.2        | 0.3        | 0.2        | 66       | 0.24      |
| 11CB1273 | Soil                             | 9.0        | 26.3       | 9.3        | 64       | 0.1        | 29.0       | 13.7       | 450      | 3.12      | 7.5        | 0.6        | 8.3        | 2.7        | 21       | 0.2        | 0.3        | 0.2        | 68       | 0.25      |
| 11CB1274 | Soil                             | 9.0        | 24.3       | 9.0        | 58       | 0.1        | 25.7       | 12.2       | 389      | 2.98      | 7.4        | 1.1        | 6.7        | 2.3        | 20       | 0.1        | 0.3        | 0.2        | 66       | 0.23      |
| 11CB1275 | Soil                             | 8.5        | 22.2       | 9.2        | 59       | 0.2        | 25.1       | 10.6       | 323      | 2.95      | 7.5        | 0.5        | 6.1        | 2.2        | 20       | <0.1       | 0.3        | 0.2        | 66       | 0.22      |
| 11CB1276 | Soil                             | 9.4        | 19.9       | 9.6        | 56       | 0.1        | 21.9       | 10.8       | 333      | 3.15      | 8.3        | 0.5        | 10.2       | 2.3        | 20       | <0.1       | 0.3        | 0.2        | 67       | 0.21      |
| 11CB1277 | Soil                             | 8.6        | 19.3       | 8.7        | 54       | <0.1       | 22.6       | 10.4       | 331      | 2.94      | 7.1        | 0.4        | 5.0        | 2.3        | 18       | 0.1        | 0.3        | 0.1        | 59       | 0.20      |
| 11AN0531 | Soil                             | 1.1        | 16.3       | 10.2       | 41       | <0.1       | 17.3       | 9.8        | 303      | 2.97      | 9.1        | 0.4        | 2.1        | 2.4        | 19       | <0.1       | 0.5        | 0.2        | 73       | 0.21      |
| 11AN0532 | Soil                             | 0.8        | 7.0        | 8.8        | 20       | 0.1        | 2.9        | 1.8        | 94       | 0.96      | 1.2        | 0.3        | 1.1        | 0.4        | 10       | <0.1       | 0.2        | 0.2        | 36       | 0.07      |
| 11AN0533 | Soil                             | 0.7        | 15.4       | 7.7        | 55       | <0.1       | 16.6       | 10.0       | 369      | 2.94      | 7.8        | 0.8        | 2.2        | 3.5        | 17       | <0.1       | 0.4        | 0.2        | 66       | 0.18      |
| 11AN0534 | Soil                             | 0.5        | 14.9       | 6.6        | 55       | <0.1       | 11.5       | 8.4        | 307      | 2.77      | 5.5        | 0.6        | 3.1        | 1.4        | 17       | <0.1       | 0.2        | 0.1        | 71       | 0.16      |
| 11AN0535 | Soil                             | 0.4        | 15.0       | 4.9        | 71       | <0.1       | 11.0       | 12.2       | 540      | 3.05      | 3.8        | 0.5        | 10.4       | 2.6        | 16       | <0.1       | 0.7        | <0.1       | 67       | 0.24      |
| 11AN0536 | Soil                             | 0.8        | 31.2       | 9.5        | 53       | 0.2        | 11.9       | 6.8        | 255      | 2.67      | 6.3        | 0.7        | 4.0        | 0.6        | 26       | <0.1       | 0.4        | 0.2        | 68       | 0.32      |
| 11AN0537 | Soil                             | 1.5        | 75.4       | 7.3        | 63       | 0.2        | 12.4       | 13.5       | 427      | 3.71      | 17.0       | 1.0        | 6.3        | 1.6        | 26       | <0.1       | 0.6        | 0.1        | 93       | 0.41      |
| 11AN0538 | Soil                             | 1.3        | 34.9       | 12.9       | 77       | 0.2        | 13.3       | 12.3       | 333      | 3.56      | 12.9       | 1.0        | 10.5       | 3.3        | 24       | <0.1       | 0.5        | 0.2        | 77       | 0.34      |
| 11AN0539 | Soil                             | 1.0        | 25.6       | 25.6       | 70       | 0.3        | 17.4       | 7.5        | 192      | 2.25      | 7.8        | 1.0        | 2.7        | 1.3        | 24       | 0.1        | 0.4        | 0.2        | 49       | 0.29      |
| 11AN0540 | Soil                             | 1.9        | 42.6       | 7.6        | 71       | 0.1        | 12.7       | 12.4       | 339      | 3.55      | 4.7        | 0.6        | 2.1        | 2.3        | 29       | <0.1       | 0.2        | 0.1        | 99       | 0.53      |
| 11AN0541 | Soil                             | 1.3        | 48.2       | 8.0        | 71       | 0.2        | 13.4       | 12.2       | 228      | 3.36      | 3.8        | 0.9        | 2.0        | 2.5        | 32       | 0.1        | 0.1        | 0.1        | 89       | 0.52      |
| 11AN0542 | Soil                             | 0.7        | 40.8       | 5.1        | 72       | 0.2        | 14.0       | 21.8       | 621      | 3.89      | 2.7        | 0.9        | 2.6        | 1.7        | 39       | 0.1        | 0.1        | <0.1       | 104      | 0.78      |
| 11AN0543 | Soil                             | 0.5        | 37.3       | 4.6        | 62       | <0.1       | 13.7       | 15.1       | 377      | 3.73      | 3.3        | 0.8        | 1.5        | 2.6        | 43       | 0.1        | <0.1       | <0.1       | 94       | 0.88      |
| 11AN0544 | Soil                             | 0.4        | 27.0       | 5.9        | 56       | <0.1       | 18.3       | 12.9       | 456      | 3.06      | 5.0        | 0.9        | 2.4        | 2.8        | 31       | 0.1        | 0.2        | 0.1        | 77       | 0.63      |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001850.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11CB1262 | Soil                             | 7     | 30    | 0.59  | 279   | 0.054 | <1    | 1.67  | 0.007 | 0.10  | 0.1   | 0.02  | 2.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1263 | Soil                             | 6     | 22    | 0.83  | 168   | 0.062 | <1    | 1.56  | 0.039 | 0.08  | <0.1  | 0.02  | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1264 | Soil                             | 7     | 23    | 0.81  | 206   | 0.059 | <1    | 1.59  | 0.034 | 0.07  | <0.1  | 0.01  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1265 | Soil                             | 6     | 23    | 0.87  | 198   | 0.058 | <1    | 1.62  | 0.036 | 0.07  | <0.1  | 0.02  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1266 | Soil                             | 7     | 25    | 0.87  | 213   | 0.063 | <1    | 1.65  | 0.036 | 0.07  | <0.1  | 0.02  | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1267 | Soil                             | 20    | 39    | 0.66  | 880   | 0.042 | 1     | 1.85  | 0.015 | 0.06  | 0.2   | 0.09  | 7.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1268 | Soil                             | 20    | 40    | 0.69  | 826   | 0.042 | 2     | 1.80  | 0.015 | 0.06  | 0.1   | 0.06  | 7.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11CB1269 | Soil                             | 19    | 39    | 0.73  | 805   | 0.042 | <1    | 1.80  | 0.012 | 0.06  | 0.2   | 0.07  | 7.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1270 | Soil                             | 20    | 42    | 0.74  | 787   | 0.043 | <1    | 1.81  | 0.013 | 0.06  | 0.2   | 0.08  | 7.5   | <0.1  | <0.05 | 6     | 0.6   | 0.2   |
| 11CB1271 | Soil                             | 20    | 40    | 0.70  | 789   | 0.043 | 1     | 1.82  | 0.016 | 0.06  | 0.1   | 0.08  | 7.5   | <0.1  | <0.05 | 6     | 0.7   | <0.2  |
| 11CB1272 | Soil                             | 12    | 34    | 0.60  | 329   | 0.045 | 1     | 1.78  | 0.010 | 0.05  | 0.1   | 0.02  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1273 | Soil                             | 11    | 37    | 0.66  | 290   | 0.052 | 1     | 1.97  | 0.010 | 0.06  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1274 | Soil                             | 11    | 34    | 0.61  | 280   | 0.050 | 2     | 1.79  | 0.009 | 0.05  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1275 | Soil                             | 11    | 33    | 0.58  | 294   | 0.047 | <1    | 1.73  | 0.009 | 0.05  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11CB1276 | Soil                             | 10    | 33    | 0.60  | 273   | 0.053 | 1     | 1.84  | 0.009 | 0.05  | 0.2   | 0.03  | 3.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11CB1277 | Soil                             | 9     | 31    | 0.56  | 228   | 0.048 | 1     | 1.77  | 0.009 | 0.05  | 0.1   | 0.03  | 3.1   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11AN0531 | Soil                             | 8     | 29    | 0.56  | 295   | 0.064 | 1     | 1.87  | 0.010 | 0.06  | 0.2   | 0.02  | 2.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0532 | Soil                             | 8     | 8     | 0.21  | 147   | 0.080 | <1    | 0.71  | 0.007 | 0.10  | <0.1  | 0.02  | 0.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0533 | Soil                             | 14    | 31    | 0.76  | 273   | 0.095 | <1    | 2.03  | 0.009 | 0.15  | 0.1   | 0.03  | 4.5   | 0.1   | <0.05 | 6     | 0.5   | <0.2  |
| 11AN0534 | Soil                             | 10    | 24    | 0.76  | 185   | 0.110 | <1    | 1.78  | 0.010 | 0.16  | 0.1   | 0.06  | 3.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0535 | Soil                             | 9     | 21    | 1.01  | 245   | 0.105 | <1    | 2.09  | 0.011 | 0.30  | 0.2   | 0.02  | 3.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0536 | Soil                             | 11    | 24    | 0.56  | 297   | 0.073 | 1     | 1.83  | 0.012 | 0.11  | <0.1  | 0.04  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0537 | Soil                             | 12    | 26    | 1.39  | 277   | 0.125 | 1     | 2.42  | 0.010 | 0.14  | <0.1  | 0.04  | 7.9   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11AN0538 | Soil                             | 12    | 28    | 0.90  | 267   | 0.119 | 1     | 2.01  | 0.014 | 0.12  | <0.1  | 0.07  | 5.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0539 | Soil                             | 13    | 37    | 0.69  | 283   | 0.070 | 2     | 1.65  | 0.014 | 0.10  | 0.1   | 0.09  | 5.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0540 | Soil                             | 10    | 27    | 0.97  | 287   | 0.144 | <1    | 1.88  | 0.019 | 0.28  | <0.1  | 0.03  | 4.9   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0541 | Soil                             | 11    | 28    | 0.96  | 429   | 0.123 | <1    | 1.93  | 0.019 | 0.22  | <0.1  | 0.03  | 5.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0542 | Soil                             | 10    | 34    | 1.48  | 520   | 0.186 | <1    | 2.21  | 0.031 | 0.37  | <0.1  | 0.04  | 6.4   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0543 | Soil                             | 11    | 29    | 1.72  | 425   | 0.192 | 1     | 2.28  | 0.029 | 0.45  | 0.1   | 0.02  | 5.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0544 | Soil                             | 12    | 34    | 1.26  | 350   | 0.144 | 2     | 1.86  | 0.019 | 0.14  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001850.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15          | 1DX15           | 1DX15            | 1DX15           | 1DX15            | 1DX15            | 1DX15          | 1DX15            | 1DX15            | 1DX15            | 1DX15         | 1DX15           | 1DX15           |
|----------|----------------------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|----------------|-----------------|------------------|-----------------|------------------|------------------|----------------|------------------|------------------|------------------|---------------|-----------------|-----------------|
|          |                                  | Mo<br>ppm<br>0.1 | Cu<br>ppm<br>0.1 | Pb<br>ppm<br>0.1 | Zn<br>ppm<br>1 | Ag<br>ppm<br>0.1 | Ni<br>ppm<br>0.1 | Co<br>ppm<br>0.1 | Mn<br>ppm<br>1 | Fe<br>%<br>0.01 | As<br>ppm<br>0.5 | U<br>ppm<br>0.1 | Au<br>ppb<br>0.5 | Th<br>ppm<br>0.1 | Sr<br>ppm<br>1 | Cd<br>ppm<br>0.1 | Sb<br>ppm<br>0.1 | Bi<br>ppm<br>0.1 | V<br>ppm<br>2 | Ca<br>%<br>0.01 | P<br>%<br>0.001 |
| 11AN0545 | Soil                             | 0.5              | 25.7             | 6.6              | 67             | 0.1              | 17.2             | 15.0             | 718            | 3.26            | 4.3              | 0.9             | 3.1              | 3.0              | 33             | 0.1              | 0.2              | 0.1              | 83            | 0.63            | 0.118           |
| 11AN0546 | Soil                             | 0.4              | 33.6             | 7.6              | 77             | <0.1             | 20.1             | 15.2             | 1239           | 3.00            | 3.6              | 1.1             | 1.2              | 3.1              | 34             | 0.3              | 0.2              | 0.1              | 80            | 0.94            | 0.120           |
| 11AN0547 | Soil                             | 0.8              | 35.0             | 7.4              | 63             | 0.1              | 20.8             | 16.9             | 5554           | 2.93            | 3.8              | 1.7             | 2.6              | 3.3              | 36             | 0.4              | 0.3              | 0.1              | 73            | 0.85            | 0.102           |
| 11AN0548 | Soil                             | 0.3              | 31.9             | 7.0              | 61             | <0.1             | 17.2             | 10.3             | 354            | 3.08            | 9.1              | 1.5             | 3.4              | 3.0              | 40             | 0.2              | 0.3              | 0.1              | 75            | 0.88            | 0.088           |
| 11AN0549 | Soil                             | 0.3              | 34.0             | 7.5              | 73             | <0.1             | 25.1             | 10.5             | 428            | 2.71            | 3.4              | 1.1             | 5.7              | 3.6              | 43             | 0.2              | 0.3              | 0.1              | 75            | 0.83            | 0.099           |
| 11AN0550 | Soil                             | 0.2              | 40.6             | 8.1              | 53             | 0.1              | 22.8             | 9.1              | 238            | 2.24            | 4.9              | 0.8             | 2.7              | 2.6              | 56             | 0.2              | 0.4              | 0.2              | 61            | 1.51            | 0.082           |
| 11AN0551 | Soil                             | 1.7              | 74.3             | 6.2              | 46             | 0.1              | 44.9             | 14.5             | 529            | 2.70            | 5.7              | 0.9             | 4.0              | 1.9              | 57             | 0.2              | 0.4              | 0.1              | 61            | 1.31            | 0.131           |
| 11AN0552 | Soil                             | 2.5              | 169.8            | 6.4              | 66             | 0.2              | 71.2             | 20.5             | 294            | 3.95            | 6.7              | 1.2             | 2.8              | 3.0              | 57             | 0.2              | 0.3              | 0.1              | 91            | 1.15            | 0.185           |
| 11AN0553 | Soil                             | 0.3              | 50.6             | 7.6              | 48             | 0.1              | 23.8             | 9.3              | 525            | 2.33            | 6.5              | 0.9             | 4.2              | 1.2              | 68             | 0.2              | 0.4              | 0.1              | 57            | 1.84            | 0.101           |
| 11AN0554 | Soil                             | 0.3              | 28.6             | 8.4              | 47             | <0.1             | 20.4             | 9.8              | 433            | 2.42            | 6.8              | 1.0             | 2.1              | 2.0              | 49             | 0.1              | 0.3              | 0.2              | 62            | 1.37            | 0.061           |
| 11AN0555 | Soil                             | 0.2              | 27.8             | 6.5              | 50             | <0.1             | 21.9             | 8.9              | 544            | 2.41            | 4.7              | 1.1             | 2.9              | 2.2              | 37             | 0.2              | 0.2              | 0.1              | 60            | 1.39            | 0.072           |
| 11AN0556 | Soil                             | 0.4              | 21.2             | 7.2              | 44             | <0.1             | 21.0             | 7.9              | 473            | 1.99            | 4.3              | 1.2             | 2.2              | 1.6              | 46             | 0.4              | 0.2              | 0.1              | 50            | 2.44            | 0.079           |
| 11AN0557 | Soil                             | 1.1              | 21.6             | 10.9             | 80             | <0.1             | 19.8             | 11.1             | 527            | 3.86            | 7.6              | 0.6             | 3.9              | 3.6              | 20             | <0.1             | 0.4              | 0.2              | 71            | 0.24            | 0.057           |
| 11AN0558 | Soil                             | 0.9              | 15.3             | 8.3              | 82             | <0.1             | 25.3             | 14.8             | 566            | 3.76            | 7.1              | 0.8             | 5.2              | 5.0              | 23             | <0.1             | 0.4              | 0.2              | 81            | 0.33            | 0.062           |
| 11AN0559 | Soil                             | 0.8              | 16.8             | 9.1              | 57             | <0.1             | 18.0             | 9.8              | 549            | 3.10            | 5.9              | 0.7             | 6.8              | 3.8              | 25             | 0.1              | 0.3              | 0.3              | 74            | 0.29            | 0.045           |
| 11AN0560 | Soil                             | 0.3              | 9.8              | 5.1              | 72             | <0.1             | 12.1             | 9.2              | 532            | 3.34            | 3.3              | 0.7             | 4.5              | 4.2              | 46             | <0.1             | 0.2              | <0.1             | 68            | 0.75            | 0.152           |
| 11AN0561 | Soil                             | 0.4              | 11.3             | 6.0              | 65             | <0.1             | 12.7             | 9.6              | 545            | 3.08            | 3.8              | 0.9             | 3.7              | 3.6              | 50             | 0.1              | 0.2              | 0.1              | 66            | 0.78            | 0.124           |
| 11AN0562 | Soil                             | 0.7              | 24.8             | 16.4             | 70             | <0.1             | 35.9             | 13.0             | 611            | 3.28            | 8.2              | 1.1             | 6.4              | 5.1              | 31             | 0.1              | 0.4              | 1.0              | 69            | 0.42            | 0.076           |
| 11AN0563 | Soil                             | 0.4              | 35.6             | 12.1             | 59             | 0.2              | 22.9             | 8.1              | 593            | 2.04            | 6.0              | 1.6             | 4.2              | 1.1              | 71             | 1.1              | 1.1              | 0.1              | 43            | 3.70            | 0.072           |
| 11AN0564 | Soil                             | 0.5              | 43.7             | 7.4              | 53             | <0.1             | 18.0             | 8.9              | 441            | 2.27            | 6.2              | 0.5             | 2.5              | 2.0              | 49             | 0.3              | 0.6              | 0.1              | 56            | 2.40            | 0.067           |
| 11AN0565 | Soil                             | 0.4              | 52.0             | 10.0             | 58             | 0.1              | 23.7             | 9.7              | 390            | 2.63            | 8.2              | 0.9             | 3.6              | 1.9              | 57             | 0.2              | 0.7              | 0.1              | 61            | 2.23            | 0.079           |
| 11AN0566 | Soil                             | 0.4              | 34.7             | 10.5             | 56             | 0.1              | 23.4             | 10.4             | 532            | 2.50            | 7.6              | 0.6             | 2.4              | 2.3              | 56             | 0.3              | 0.4              | 0.1              | 58            | 2.18            | 0.074           |
| 11AN0567 | Soil                             | 0.6              | 24.9             | 11.2             | 50             | <0.1             | 24.7             | 9.1              | 450            | 2.63            | 5.9              | 0.9             | 1.4              | 3.3              | 51             | 0.1              | 0.3              | 0.1              | 70            | 0.99            | 0.053           |
| 11AN0568 | Soil                             | 0.6              | 123.0            | 8.0              | 79             | 0.1              | 22.4             | 11.3             | 769            | 3.08            | 4.0              | 1.3             | 2.2              | 1.9              | 101            | 0.2              | 0.2              | <0.1             | 73            | 2.87            | 0.126           |
| 11AN0569 | Soil                             | 0.2              | 47.5             | 9.4              | 56             | <0.1             | 18.1             | 10.2             | 581            | 2.68            | 5.6              | 1.0             | 1.0              | 1.6              | 57             | 0.3              | 0.3              | 0.1              | 66            | 2.17            | 0.077           |
| 11AN0570 | Soil                             | 0.3              | 32.9             | 10.2             | 57             | 0.1              | 25.4             | 11.5             | 606            | 2.96            | 6.2              | 1.3             | 6.7              | 2.9              | 45             | 0.1              | 0.3              | 0.1              | 71            | 1.11            | 0.084           |
| 11AN0571 | Soil                             | 0.8              | 7.9              | 7.1              | 64             | <0.1             | 9.8              | 6.7              | 326            | 2.62            | 4.1              | 0.4             | 3.6              | 1.6              | 29             | 0.1              | 0.3              | 0.1              | 74            | 0.31            | 0.070           |
| 11AN0572 | Soil                             | 0.4              | 8.6              | 5.4              | 77             | <0.1             | 9.7              | 10.0             | 857            | 3.15            | 4.0              | 0.7             | 3.1              | 2.1              | 28             | 0.1              | 0.2              | 0.2              | 59            | 0.71            | 0.112           |
| 11AN0573 | Soil                             | 0.4              | 13.8             | 4.3              | 95             | <0.1             | 8.4              | 10.2             | 744            | 3.55            | 3.6              | 0.3             | 4.9              | 2.0              | 28             | 0.1              | 0.2              | <0.1             | 74            | 0.73            | 0.168           |
| 11AN0574 | Soil                             | 1.0              | 58.1             | 5.0              | 88             | <0.1             | 10.3             | 10.3             | 851            | 3.59            | 4.1              | 0.7             | 2.5              | 2.3              | 31             | <0.1             | 0.2              | 0.1              | 73            | 0.82            | 0.141           |





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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001850.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11AN0545 | Soil                             | 14    | 35    | 1.14  | 387   | 0.138 | 2     | 1.96  | 0.018 | 0.12  | <0.1  | 0.04  | 4.0   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0546 | Soil                             | 18    | 36    | 2.08  | 404   | 0.123 | 1     | 2.34  | 0.018 | 0.15  | <0.1  | 0.05  | 6.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0547 | Soil                             | 21    | 33    | 1.39  | 549   | 0.130 | 1     | 2.15  | 0.024 | 0.15  | 0.1   | 0.07  | 6.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0548 | Soil                             | 16    | 31    | 0.87  | 420   | 0.109 | 1     | 1.76  | 0.020 | 0.09  | 0.1   | 0.05  | 5.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0549 | Soil                             | 15    | 46    | 1.49  | 338   | 0.106 | <1    | 1.99  | 0.021 | 0.08  | <0.1  | 0.04  | 5.7   | <0.1  | <0.05 | 7     | 0.8   | <0.2  |
| 11AN0550 | Soil                             | 12    | 35    | 0.99  | 253   | 0.097 | 3     | 1.60  | 0.026 | 0.06  | 0.2   | 0.04  | 4.2   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11AN0551 | Soil                             | 10    | 49    | 0.57  | 242   | 0.079 | 1     | 1.34  | 0.021 | 0.04  | 0.1   | 0.04  | 3.4   | <0.1  | <0.05 | 4     | 1.1   | <0.2  |
| 11AN0552 | Soil                             | 13    | 78    | 0.91  | 253   | 0.129 | <1    | 1.77  | 0.024 | 0.06  | 0.1   | 0.03  | 5.1   | <0.1  | <0.05 | 6     | 1.8   | <0.2  |
| 11AN0553 | Soil                             | 13    | 31    | 0.97  | 270   | 0.065 | 2     | 1.69  | 0.029 | 0.05  | 0.1   | 0.06  | 3.1   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11AN0554 | Soil                             | 13    | 32    | 1.05  | 314   | 0.069 | 1     | 1.77  | 0.022 | 0.05  | 0.1   | 0.04  | 3.6   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |
| 11AN0555 | Soil                             | 13    | 36    | 2.37  | 255   | 0.086 | 2     | 1.95  | 0.017 | 0.04  | <0.1  | 0.04  | 4.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0556 | Soil                             | 12    | 33    | 2.40  | 334   | 0.079 | 3     | 1.70  | 0.023 | 0.05  | <0.1  | 0.05  | 3.0   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11AN0557 | Soil                             | 12    | 31    | 0.50  | 400   | 0.041 | <1    | 1.93  | 0.009 | 0.12  | 0.1   | 0.01  | 4.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0558 | Soil                             | 16    | 39    | 0.77  | 456   | 0.072 | 2     | 2.12  | 0.011 | 0.09  | <0.1  | 0.02  | 7.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0559 | Soil                             | 14    | 34    | 0.53  | 648   | 0.038 | <1    | 2.07  | 0.010 | 0.06  | <0.1  | 0.02  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0560 | Soil                             | 18    | 20    | 0.81  | 508   | 0.046 | 1     | 1.94  | 0.014 | 0.10  | <0.1  | 0.02  | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0561 | Soil                             | 23    | 21    | 0.71  | 585   | 0.051 | <1    | 1.89  | 0.014 | 0.09  | <0.1  | 0.03  | 4.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0562 | Soil                             | 15    | 40    | 0.60  | 562   | 0.066 | <1    | 1.69  | 0.015 | 0.09  | 0.1   | 0.02  | 6.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11AN0563 | Soil                             | 10    | 25    | 1.08  | 274   | 0.036 | 4     | 1.00  | 0.014 | 0.04  | 0.1   | 0.06  | 2.7   | <0.1  | 0.10  | 3     | 0.7   | <0.2  |
| 11AN0564 | Soil                             | 12    | 25    | 1.16  | 168   | 0.049 | 2     | 1.33  | 0.020 | 0.05  | 0.1   | 0.04  | 3.6   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11AN0565 | Soil                             | 15    | 31    | 0.83  | 321   | 0.059 | 2     | 1.71  | 0.021 | 0.05  | 0.2   | 0.06  | 3.9   | <0.1  | <0.05 | 5     | 0.9   | <0.2  |
| 11AN0566 | Soil                             | 14    | 30    | 1.30  | 235   | 0.068 | 2     | 1.74  | 0.024 | 0.06  | 0.1   | 0.05  | 3.9   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11AN0567 | Soil                             | 13    | 43    | 0.83  | 257   | 0.080 | <1    | 2.03  | 0.020 | 0.04  | 0.2   | 0.02  | 3.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0568 | Soil                             | 11    | 31    | 1.85  | 223   | 0.069 | 1     | 2.09  | 0.024 | 0.05  | <0.1  | 0.03  | 6.0   | <0.1  | <0.05 | 7     | 0.6   | <0.2  |
| 11AN0569 | Soil                             | 13    | 26    | 1.57  | 294   | 0.053 | <1    | 1.91  | 0.020 | 0.05  | 0.1   | 0.05  | 3.9   | <0.1  | <0.05 | 6     | 0.6   | <0.2  |
| 11AN0570 | Soil                             | 20    | 38    | 1.45  | 332   | 0.068 | 1     | 2.04  | 0.019 | 0.06  | 0.1   | 0.06  | 4.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0571 | Soil                             | 9     | 19    | 0.56  | 126   | 0.073 | <1    | 1.51  | 0.015 | 0.06  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0572 | Soil                             | 14    | 16    | 0.77  | 301   | 0.034 | 2     | 1.69  | 0.011 | 0.05  | <0.1  | 0.04  | 3.5   | <0.1  | <0.05 | 7     | 0.7   | <0.2  |
| 11AN0573 | Soil                             | 7     | 14    | 1.01  | 155   | 0.094 | 2     | 1.75  | 0.016 | 0.12  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11AN0574 | Soil                             | 18    | 17    | 0.92  | 325   | 0.063 | 1     | 1.86  | 0.014 | 0.10  | <0.1  | 0.03  | 3.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001850.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11AN0575 | Soil                             | 0.5   | 21.9  | 4.7   | 88    | <0.1  | 8.6   | 10.4  | 937   | 3.49  | 3.3   | 0.7   | 7.7   | 2.4   | 38    | 0.2   | 0.4   | 0.1   | 68    | 0.95  | 0.169 |
| 11AN0576 | Soil                             | 0.5   | 26.1  | 4.7   | 86    | <0.1  | 10.0  | 10.3  | 821   | 3.29  | 4.1   | 0.8   | 5.6   | 2.2   | 37    | 0.2   | 0.4   | 0.1   | 66    | 0.97  | 0.147 |
| 11AN0577 | Soil                             | 0.6   | 12.6  | 5.5   | 90    | 0.1   | 13.4  | 10.8  | 679   | 3.17  | 4.1   | 0.6   | 15.0  | 2.9   | 33    | 0.1   | 0.3   | <0.1  | 61    | 0.81  | 0.149 |
| 11AN0578 | Soil                             | 0.5   | 12.6  | 5.9   | 83    | 0.1   | 15.3  | 10.5  | 733   | 3.18  | 3.6   | 0.8   | 23.2  | 2.8   | 45    | 0.1   | 0.3   | <0.1  | 57    | 0.95  | 0.128 |
| 11AN0579 | Soil                             | 0.3   | 19.5  | 6.9   | 66    | <0.1  | 22.3  | 9.0   | 464   | 2.22  | 4.8   | 0.9   | 8.7   | 2.8   | 42    | 0.3   | 0.4   | <0.1  | 48    | 0.84  | 0.084 |
| 11AN0580 | Soil                             | 0.6   | 21.6  | 7.7   | 88    | 0.1   | 36.7  | 14.8  | 877   | 3.38  | 4.8   | 0.9   | 14.1  | 2.7   | 49    | 0.2   | 0.5   | <0.1  | 64    | 1.08  | 0.110 |
| 11AN0581 | Soil                             | 0.3   | 22.6  | 7.9   | 88    | 0.1   | 35.6  | 15.2  | 905   | 3.28  | 4.6   | 0.9   | 12.0  | 3.0   | 45    | 0.3   | 0.5   | <0.1  | 63    | 0.99  | 0.109 |
| 11AN0582 | Soil                             | 0.4   | 20.9  | 7.8   | 87    | 0.1   | 39.7  | 15.3  | 895   | 3.21  | 4.7   | 0.9   | 17.7  | 2.3   | 52    | 0.2   | 0.5   | 0.1   | 54    | 1.31  | 0.136 |



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**Project:** Mariposa  
**Report Date:** December 07, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001850.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11AN0575 | Soil                             | 28    | 15    | 0.95  | 258   | 0.040 | <1    | 1.82  | 0.016 | 0.07  | <0.1  | 0.03  | 5.3   | <0.1  | <0.05 | 8     | 0.6   | <0.2  |
| 11AN0576 | Soil                             | 19    | 17    | 0.85  | 242   | 0.051 | <1    | 1.75  | 0.015 | 0.07  | 0.1   | 0.04  | 3.9   | <0.1  | <0.05 | 8     | 1.2   | <0.2  |
| 11AN0577 | Soil                             | 18    | 18    | 0.84  | 322   | 0.045 | 1     | 1.61  | 0.015 | 0.07  | <0.1  | 0.04  | 4.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11AN0578 | Soil                             | 19    | 17    | 0.71  | 406   | 0.031 | 2     | 1.48  | 0.015 | 0.09  | 0.1   | 0.03  | 5.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11AN0579 | Soil                             | 12    | 24    | 0.56  | 282   | 0.047 | 2     | 1.04  | 0.019 | 0.08  | 0.2   | 0.05  | 4.0   | <0.1  | <0.05 | 4     | 0.5   | <0.2  |
| 11AN0580 | Soil                             | 16    | 37    | 0.71  | 553   | 0.029 | 2     | 1.37  | 0.015 | 0.08  | 0.1   | 0.17  | 7.3   | <0.1  | <0.05 | 5     | <0.5  | 0.5   |
| 11AN0581 | Soil                             | 17    | 33    | 0.74  | 514   | 0.028 | 1     | 1.40  | 0.015 | 0.08  | 0.1   | 0.13  | 6.8   | <0.1  | <0.05 | 6     | 0.8   | 0.5   |
| 11AN0582 | Soil                             | 20    | 33    | 0.73  | 558   | 0.025 | <1    | 1.30  | 0.014 | 0.09  | 0.2   | 0.12  | 7.5   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |



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Project: Mariposa

Report Date: December 07, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001850.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11CB1239            | Soil                             | 0.5   | 15.1  | 5.4   | 69    | <0.1  | 18.3  | 15.7  | 533   | 3.51  | 3.1   | 0.7   | 3.2   | 3.5   | 27    | <0.1  | 0.1   | <0.1  | 84    | 0.49  | 0.093  |
| REP 11CB1239        | QC                               | 0.5   | 15.1  | 5.3   | 68    | <0.1  | 18.3  | 16.0  | 538   | 3.63  | 3.1   | 0.7   | 2.0   | 3.7   | 27    | <0.1  | 0.1   | <0.1  | 87    | 0.50  | 0.091  |
| 11CB1256            | Soil                             | 1.1   | 30.5  | 7.6   | 87    | <0.1  | 21.2  | 12.0  | 572   | 3.25  | 5.2   | 1.0   | 15.4  | 3.7   | 46    | 0.1   | 0.5   | <0.1  | 67    | 0.61  | 0.082  |
| REP 11CB1256        | QC                               | 1.1   | 30.8  | 7.7   | 86    | <0.1  | 21.6  | 11.9  | 585   | 3.30  | 5.3   | 1.1   | 19.6  | 3.9   | 47    | <0.1  | 0.5   | 0.1   | 69    | 0.59  | 0.081  |
| 11CB1271            | Soil                             | 12.8  | 47.4  | 9.6   | 75    | 0.4   | 37.1  | 13.7  | 528   | 2.99  | 7.5   | 1.3   | 14.6  | 2.4   | 26    | 0.2   | 0.4   | 0.2   | 71    | 0.46  | 0.074  |
| REP 11CB1271        | QC                               | 11.9  | 49.3  | 9.6   | 72    | 0.3   | 38.2  | 13.5  | 527   | 3.01  | 7.6   | 1.2   | 17.2  | 2.4   | 27    | 0.3   | 0.3   | 0.2   | 70    | 0.45  | 0.071  |
| 11AN0543            | Soil                             | 0.5   | 37.3  | 4.6   | 62    | <0.1  | 13.7  | 15.1  | 377   | 3.73  | 3.3   | 0.8   | 1.5   | 2.6   | 43    | 0.1   | <0.1  | <0.1  | 94    | 0.88  | 0.252  |
| REP 11AN0543        | QC                               | 0.4   | 37.5  | 4.5   | 61    | <0.1  | 13.2  | 15.4  | 387   | 3.80  | 3.3   | 0.7   | 7.2   | 2.4   | 43    | 0.1   | 0.1   | 0.1   | 96    | 0.87  | 0.249  |
| 11AN0561            | Soil                             | 0.4   | 11.3  | 6.0   | 65    | <0.1  | 12.7  | 9.6   | 545   | 3.08  | 3.8   | 0.9   | 3.7   | 3.6   | 50    | 0.1   | 0.2   | 0.1   | 66    | 0.78  | 0.124  |
| REP 11AN0561        | QC                               | 0.4   | 11.8  | 7.6   | 63    | <0.1  | 12.7  | 9.6   | 540   | 3.09  | 3.9   | 0.8   | 5.7   | 3.4   | 52    | 0.2   | 0.2   | 0.1   | 66    | 0.78  | 0.122  |
| 11AN0575            | Soil                             | 0.5   | 21.9  | 4.7   | 88    | <0.1  | 8.6   | 10.4  | 937   | 3.49  | 3.3   | 0.7   | 7.7   | 2.4   | 38    | 0.2   | 0.4   | 0.1   | 68    | 0.95  | 0.169  |
| REP 11AN0575        | QC                               | 0.4   | 22.2  | 4.6   | 93    | 0.1   | 9.7   | 10.8  | 879   | 3.58  | 3.7   | 0.8   | 6.1   | 2.6   | 41    | <0.1  | 0.4   | 0.2   | 73    | 0.96  | 0.174  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 11.6  | 107.9 | 127.9 | 315   | 1.8   | 36.9  | 7.3   | 603   | 2.33  | 25.9  | 2.6   | 101.8 | 5.7   | 72    | 2.2   | 5.5   | 7.0   | 39    | 0.63  | 0.076  |
| STD DS8             | Standard                         | 13.8  | 114.1 | 124.9 | 311   | 1.8   | 38.5  | 7.9   | 631   | 2.52  | 27.2  | 3.2   | 111.7 | 7.9   | 75    | 2.5   | 5.8   | 7.5   | 45    | 0.73  | 0.081  |
| STD DS8             | Standard                         | 11.4  | 99.0  | 113.2 | 293   | 1.7   | 34.8  | 6.5   | 629   | 2.26  | 24.3  | 2.4   | 94.6  | 5.5   | 60    | 2.1   | 5.2   | 5.3   | 36    | 0.62  | 0.077  |
| STD DS8             | Standard                         | 13.4  | 107.4 | 123.1 | 293   | 1.7   | 36.5  | 7.4   | 582   | 2.37  | 24.0  | 2.8   | 98.3  | 7.0   | 61    | 2.1   | 5.1   | 6.4   | 38    | 0.68  | 0.074  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Project: Mariposa

Report Date: December 07, 2011

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001850.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11CB1239            | Soil                             | 13    | 33    | 1.77   | 330   | 0.170  | <1    | 2.32  | 0.012  | 0.35  | <0.1  | 0.02  | 6.4   | 0.2   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11CB1239        | QC                               | 13    | 34    | 1.86   | 330   | 0.173  | 1     | 2.34  | 0.012  | 0.35  | <0.1  | 0.02  | 6.4   | 0.2   | <0.05  | 8     | <0.5  | <0.2  |
| 11CB1256            | Soil                             | 17    | 33    | 0.77   | 540   | 0.073  | 1     | 1.72  | 0.014  | 0.14  | 0.1   | 0.05  | 7.4   | <0.1  | <0.05  | 6     | <0.5  | 0.2   |
| REP 11CB1256        | QC                               | 18    | 33    | 0.80   | 548   | 0.075  | 1     | 1.77  | 0.014  | 0.14  | 0.2   | 0.04  | 7.7   | <0.1  | <0.05  | 6     | <0.5  | <0.2  |
| 11CB1271            | Soil                             | 20    | 40    | 0.70   | 789   | 0.043  | 1     | 1.82  | 0.016  | 0.06  | 0.1   | 0.08  | 7.5   | <0.1  | <0.05  | 6     | 0.7   | <0.2  |
| REP 11CB1271        | QC                               | 20    | 40    | 0.70   | 798   | 0.042  | 2     | 1.79  | 0.012  | 0.06  | 0.2   | 0.07  | 7.5   | <0.1  | <0.05  | 6     | 0.7   | <0.2  |
| 11AN0543            | Soil                             | 11    | 29    | 1.72   | 425   | 0.192  | 1     | 2.28  | 0.029  | 0.45  | 0.1   | 0.02  | 5.2   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11AN0543        | QC                               | 11    | 29    | 1.74   | 435   | 0.193  | 1     | 2.29  | 0.029  | 0.47  | 0.1   | 0.02  | 5.1   | 0.1   | <0.05  | 8     | <0.5  | <0.2  |
| 11AN0561            | Soil                             | 23    | 21    | 0.71   | 585   | 0.051  | <1    | 1.89  | 0.014  | 0.09  | <0.1  | 0.03  | 4.7   | <0.1  | <0.05  | 7     | <0.5  | <0.2  |
| REP 11AN0561        | QC                               | 23    | 21    | 0.72   | 599   | 0.052  | <1    | 1.91  | 0.015  | 0.09  | <0.1  | 0.03  | 4.6   | <0.1  | <0.05  | 7     | <0.5  | <0.2  |
| 11AN0575            | Soil                             | 28    | 15    | 0.95   | 258   | 0.040  | <1    | 1.82  | 0.016  | 0.07  | <0.1  | 0.03  | 5.3   | <0.1  | <0.05  | 8     | 0.6   | <0.2  |
| REP 11AN0575        | QC                               | 28    | 15    | 0.94   | 260   | 0.048  | <1    | 1.87  | 0.018  | 0.07  | <0.1  | 0.03  | 5.6   | <0.1  | <0.05  | 8     | 1.0   | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 12    | 114   | 0.65   | 256   | 0.100  | 4     | 0.90  | 0.095  | 0.43  | 3.0   | 0.21  | 2.1   | 5.7   | 0.13   | 5     | 5.4   | 4.9   |
| STD DS8             | Standard                         | 18    | 124   | 0.62   | 292   | 0.131  | 2     | 0.95  | 0.104  | 0.42  | 3.1   | 0.20  | 2.1   | 5.4   | 0.15   | 5     | 4.7   | 5.0   |
| STD DS8             | Standard                         | 13    | 105   | 0.56   | 240   | 0.097  | 2     | 0.80  | 0.083  | 0.38  | 2.7   | 0.16  | 2.0   | 4.8   | 0.12   | 5     | 5.0   | 4.2   |
| STD DS8             | Standard                         | 15    | 118   | 0.57   | 256   | 0.115  | 2     | 0.87  | 0.094  | 0.39  | 2.8   | 0.18  | 2.4   | 5.1   | 0.13   | 4     | 5.0   | 4.6   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: September 22, 2011

Report Date: December 22, 2011

Page: 1 of 6

## CERTIFICATE OF ANALYSIS

WHI11001851.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-45  
P.O. Number  
Number of Samples: 130

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
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Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                      | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|-------------------------------------------------------|--------------|---------------|-----|
| SS80        | 85                | Dry at 60C sieve 100g to -80 mesh                     |              |               | VAN |
| Dry at 60C  | 85                | Dry at 60C                                            |              |               | VAN |
| RJSV        | 85                | Saving all or part of Soil Reject                     |              |               | VAN |
| 1F02        | 85                | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: December 22, 2011

Page: 2 of 6 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           |      | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |       |
|-----------|------|----------------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
|           |      |                                  | Mo    | Cu   | Pb   | Zn   | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    | Ca    | P     |
|           |      |                                  | ppm   | ppm  | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | %     | %     |
|           |      |                                  | 0.01  | 0.01 | 0.01 | 0.1  | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5  | 0.01 | 0.02 | 0.02 | 2    | 0.01  | 0.001 |
| 11CB1278A | Soil | 18.45                            | 41.83 | 2.45 | 16.9 | 385  | 16.9 | 10.7 | 2379 | 1.19 | 3.2  | 0.4  | 6.0  | 0.2  | 91.6 | 1.01 | 0.50 | 0.17 | 18   | 3.05 | 0.124 |       |
| 11CB1279A | Soil | 20.07                            | 37.61 | 3.03 | 26.1 | 347  | 15.9 | 14.0 | 3279 | 1.29 | 3.8  | 0.3  | 6.4  | 0.2  | 76.9 | 0.92 | 0.40 | 0.11 | 23   | 2.51 | 0.115 |       |
| 11CB1280A | Soil | 23.74                            | 44.99 | 5.94 | 28.7 | 368  | 21.0 | 18.4 | 2693 | 1.82 | 5.8  | 0.4  | 9.4  | 0.3  | 80.2 | 0.81 | 0.51 | 0.14 | 33   | 2.64 | 0.132 |       |
| 11CB1281A | Soil | 13.07                            | 33.51 | 1.84 | 19.4 | 196  | 15.7 | 7.2  | 1901 | 0.69 | 1.7  | 0.2  | 3.4  | 0.1  | 82.1 | 0.58 | 0.34 | 0.07 | 13   | 2.83 | 0.090 |       |
| 11CB1282A | Soil | 12.49                            | 31.78 | 1.48 | 21.4 | 188  | 14.2 | 5.9  | 2213 | 0.44 | 1.3  | 0.2  | 3.2  | 0.1  | 78.0 | 0.59 | 0.31 | 0.07 | 8    | 2.47 | 0.098 |       |
| 11CB1283A | Soil | 12.23                            | 30.81 | 1.75 | 19.8 | 186  | 13.8 | 6.3  | 2299 | 0.58 | 1.3  | 0.2  | 5.8  | 0.1  | 76.9 | 0.62 | 0.36 | 0.08 | 10   | 2.76 | 0.094 |       |
| 11CB1284A | Soil | 21.47                            | 43.16 | 7.34 | 21.2 | 293  | 18.5 | 9.4  | 708  | 1.54 | 3.9  | 0.4  | 9.3  | 0.4  | 62.2 | 0.32 | 0.52 | 0.07 | 34   | 1.82 | 0.100 |       |
| 11CB1285A | Soil | 17.43                            | 44.52 | 2.52 | 14.0 | 352  | 19.0 | 14.4 | 1726 | 1.48 | 3.9  | 0.3  | 5.1  | 0.2  | 81.1 | 0.56 | 0.53 | 0.07 | 21   | 2.75 | 0.108 |       |
| 11CB1286A | Soil | 22.04                            | 40.37 | 2.39 | 17.8 | 383  | 17.2 | 17.2 | 2747 | 1.38 | 3.6  | 0.3  | 4.7  | 0.2  | 79.8 | 0.74 | 0.55 | 0.07 | 20   | 2.48 | 0.126 |       |
| 11CB1287A | Soil | 7.63                             | 36.52 | 2.14 | 14.7 | 372  | 15.8 | 15.8 | 1295 | 1.33 | 3.7  | 0.3  | 3.1  | 0.2  | 88.7 | 0.54 | 0.35 | 0.09 | 19   | 2.68 | 0.107 |       |
| 11CB1288A | Soil | 7.66                             | 42.47 | 2.94 | 18.0 | 403  | 18.2 | 12.5 | 1300 | 1.26 | 3.2  | 0.4  | 4.4  | 0.2  | 86.2 | 0.63 | 0.39 | 0.09 | 18   | 2.63 | 0.110 |       |
| 11CB1289A | Soil | 26.74                            | 43.18 | 4.15 | 19.4 | 419  | 20.4 | 20.2 | 3190 | 1.69 | 4.7  | 0.4  | 6.1  | 0.3  | 79.7 | 0.71 | 0.51 | 0.07 | 25   | 2.50 | 0.125 |       |
| 11CB1290A | Soil | 16.90                            | 45.17 | 4.53 | 22.7 | 330  | 19.6 | 15.1 | 1611 | 1.57 | 4.7  | 0.3  | 6.5  | 0.2  | 81.6 | 0.69 | 0.47 | 0.08 | 25   | 2.73 | 0.113 |       |
| 11CB1291A | Soil | 22.86                            | 47.37 | 4.27 | 18.0 | 422  | 22.1 | 18.2 | 1980 | 1.92 | 4.3  | 0.4  | 6.7  | 0.3  | 80.8 | 0.65 | 0.51 | 0.07 | 25   | 2.62 | 0.121 |       |
| 11CB1292A | Soil | 3.30                             | 25.97 | 3.09 | 48.9 | 77   | 19.0 | 6.2  | 929  | 1.01 | 1.9  | 0.5  | 1.9  | 0.2  | 83.6 | 0.38 | 0.30 | 0.06 | 16   | 3.27 | 0.088 |       |
| 11CB1293A | Soil | 3.53                             | 26.15 | 3.53 | 51.4 | 77   | 19.3 | 7.0  | 1218 | 1.09 | 2.0  | 0.5  | 1.4  | 0.2  | 85.5 | 0.37 | 0.31 | 0.07 | 16   | 3.41 | 0.085 |       |
| 11CB1294A | Soil | 1.68                             | 16.49 | 2.49 | 38.0 | 58   | 9.7  | 6.0  | 1554 | 0.72 | 2.9  | 0.4  | 1.4  | 0.1  | 85.7 | 0.32 | 0.22 | 0.06 | 15   | 4.07 | 0.085 |       |
| 11CB1295A | Soil | 2.41                             | 18.79 | 3.22 | 39.2 | 93   | 13.2 | 10.4 | 2132 | 1.14 | 4.2  | 0.5  | 1.9  | 0.2  | 87.8 | 0.41 | 0.27 | 0.16 | 21   | 3.88 | 0.092 |       |
| 11CB1296A | Soil | 1.61                             | 18.53 | 3.14 | 41.7 | 70   | 10.0 | 4.8  | 1481 | 0.91 | 2.9  | 0.5  | 1.8  | 0.3  | 73.6 | 0.37 | 0.29 | 0.11 | 17   | 3.24 | 0.075 |       |
| 11CB1297A | Soil | 1.65                             | 20.30 | 3.52 | 43.9 | 79   | 11.4 | 5.3  | 1500 | 1.04 | 3.4  | 0.6  | 1.8  | 0.3  | 76.1 | 0.39 | 0.30 | 0.09 | 19   | 3.19 | 0.075 |       |
| 11CB1298A | Soil | 1.26                             | 16.72 | 5.57 | 53.4 | 109  | 10.6 | 7.1  | 703  | 1.62 | 3.1  | 0.6  | 1.8  | 0.6  | 53.9 | 0.36 | 0.31 | 0.13 | 31   | 2.06 | 0.089 |       |
| 11CB1299A | Soil | 1.22                             | 16.24 | 5.09 | 52.0 | 109  | 10.1 | 6.9  | 661  | 1.55 | 2.9  | 0.5  | 0.8  | 0.6  | 54.3 | 0.38 | 0.29 | 0.10 | 30   | 2.05 | 0.081 |       |
| 11CB1300A | Soil | 1.21                             | 16.47 | 5.28 | 50.8 | 97   | 10.2 | 7.3  | 656  | 1.62 | 3.0  | 0.5  | 1.3  | 0.7  | 51.3 | 0.29 | 0.27 | 0.10 | 31   | 1.88 | 0.080 |       |
| 11CB1301A | Soil | 1.24                             | 16.40 | 5.58 | 57.4 | 101  | 11.0 | 7.4  | 659  | 1.71 | 3.3  | 0.6  | 1.7  | 0.7  | 53.7 | 0.33 | 0.25 | 0.12 | 33   | 1.93 | 0.077 |       |
| 11CB1302A | Soil | 7.41                             | 77.28 | 4.68 | 66.8 | 144  | 41.5 | 15.7 | 588  | 2.67 | 2.7  | 0.6  | 7.8  | 0.8  | 50.4 | 0.25 | 0.20 | 0.07 | 54   | 1.66 | 0.130 |       |
| 11CB1303A | Soil | 6.99                             | 77.64 | 4.57 | 68.6 | 152  | 40.9 | 15.3 | 544  | 2.75 | 2.7  | 0.6  | 6.7  | 0.8  | 52.4 | 0.26 | 0.22 | 0.07 | 53   | 1.75 | 0.131 |       |
| 11CB1304A | Soil | 6.87                             | 61.82 | 4.04 | 68.2 | 113  | 38.2 | 14.2 | 459  | 2.62 | 2.4  | 0.5  | 8.6  | 0.8  | 43.9 | 0.20 | 0.19 | 0.05 | 51   | 1.46 | 0.129 |       |
| 11CB1305A | Soil | 7.99                             | 76.92 | 4.50 | 69.9 | 151  | 42.7 | 15.9 | 561  | 2.83 | 3.0  | 0.6  | 11.8 | 0.8  | 48.1 | 0.22 | 0.24 | 0.05 | 52   | 1.65 | 0.161 |       |
| 11CB1306A | Soil | 6.49                             | 69.21 | 4.15 | 60.6 | 131  | 36.7 | 14.1 | 500  | 2.44 | 2.5  | 0.6  | 8.0  | 0.7  | 47.2 | 0.23 | 0.19 | 0.07 | 46   | 1.60 | 0.117 |       |
| 11CB1307A | Soil | 6.39                             | 70.57 | 4.28 | 56.7 | 136  | 35.8 | 13.4 | 518  | 2.35 | 2.4  | 0.6  | 6.2  | 0.6  | 48.2 | 0.27 | 0.19 | 0.06 | 45   | 1.68 | 0.111 |       |



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**Project:** Mariposa  
**Report Date:** December 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|-------|------|------|------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K     | W    | Sc   | Ti   | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %     | ppm  | ppm  | ppm  | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01  | 0.1  | 0.1  | 0.02 | 0.02 | 5    | 0.1  | 0.02  |
| 11CB1278A | Soil                             | 4.6  | 9.3  | 0.13 | 319.5 | 0.009 | 5    | 0.55 | 0.012 | 0.01  | <0.1 | 1.0  | 0.05 | 0.19 | 116  | 1.6  | 0.05  |
| 11CB1279A | Soil                             | 3.8  | 10.9 | 0.15 | 328.4 | 0.009 | 4    | 0.56 | 0.011 | 0.01  | <0.1 | 1.2  | 0.06 | 0.15 | 104  | 1.1  | 0.04  |
| 11CB1280A | Soil                             | 5.0  | 15.3 | 0.20 | 342.1 | 0.012 | 4    | 0.70 | 0.013 | 0.02  | <0.1 | 1.8  | 0.06 | 0.15 | 110  | 1.3  | 0.04  |
| 11CB1281A | Soil                             | 2.4  | 6.9  | 0.13 | 253.4 | 0.008 | 5    | 0.41 | 0.011 | 0.01  | <0.1 | 0.7  | 0.04 | 0.17 | 94   | 0.8  | <0.02 |
| 11CB1282A | Soil                             | 2.2  | 5.5  | 0.11 | 261.6 | 0.006 | 5    | 0.35 | 0.009 | 0.01  | <0.1 | 0.6  | 0.04 | 0.16 | 115  | 0.9  | 0.03  |
| 11CB1283A | Soil                             | 2.2  | 5.8  | 0.11 | 257.8 | 0.006 | 5    | 0.36 | 0.009 | 0.01  | <0.1 | 0.6  | 0.04 | 0.17 | 98   | 0.8  | <0.02 |
| 11CB1284A | Soil                             | 5.4  | 20.1 | 0.25 | 262.5 | 0.012 | 2    | 0.76 | 0.008 | 0.01  | <0.1 | 2.0  | 0.05 | 0.10 | 73   | 1.2  | 0.06  |
| 11CB1285A | Soil                             | 4.7  | 9.1  | 0.12 | 302.0 | 0.010 | 4    | 0.61 | 0.011 | 0.01  | <0.1 | 1.2  | 0.05 | 0.16 | 101  | 1.3  | 0.03  |
| 11CB1286A | Soil                             | 4.2  | 9.9  | 0.13 | 326.9 | 0.010 | 5    | 0.60 | 0.012 | 0.02  | <0.1 | 1.1  | 0.06 | 0.16 | 105  | 1.1  | 0.03  |
| 11CB1287A | Soil                             | 3.9  | 8.8  | 0.12 | 299.1 | 0.009 | 4    | 0.53 | 0.009 | <0.01 | <0.1 | 1.1  | 0.04 | 0.14 | 87   | 1.3  | 0.03  |
| 11CB1288A | Soil                             | 4.4  | 10.8 | 0.14 | 312.4 | 0.010 | 4    | 0.59 | 0.011 | 0.01  | <0.1 | 1.3  | 0.04 | 0.14 | 97   | 1.2  | 0.04  |
| 11CB1289A | Soil                             | 5.0  | 12.4 | 0.15 | 359.5 | 0.010 | 3    | 0.67 | 0.011 | 0.02  | <0.1 | 1.5  | 0.06 | 0.15 | 119  | 1.4  | 0.06  |
| 11CB1290A | Soil                             | 4.5  | 11.7 | 0.16 | 294.5 | 0.010 | 4    | 0.59 | 0.011 | 0.01  | <0.1 | 1.5  | 0.04 | 0.14 | 92   | 1.3  | 0.04  |
| 11CB1291A | Soil                             | 5.5  | 13.2 | 0.16 | 346.0 | 0.011 | 3    | 0.71 | 0.012 | 0.02  | <0.1 | 1.8  | 0.05 | 0.16 | 107  | 1.5  | 0.06  |
| 11CB1292A | Soil                             | 4.0  | 13.5 | 0.27 | 406.3 | 0.013 | 5    | 0.59 | 0.011 | 0.02  | <0.1 | 1.1  | 0.04 | 0.14 | 62   | 0.6  | <0.02 |
| 11CB1293A | Soil                             | 3.9  | 14.2 | 0.28 | 425.2 | 0.012 | 5    | 0.60 | 0.012 | 0.02  | <0.1 | 1.0  | 0.04 | 0.14 | 74   | 0.7  | 0.02  |
| 11CB1294A | Soil                             | 2.7  | 9.5  | 0.23 | 245.6 | 0.010 | 6    | 0.42 | 0.011 | 0.01  | <0.1 | 0.5  | 0.04 | 0.13 | 52   | 0.5  | <0.02 |
| 11CB1295A | Soil                             | 4.3  | 14.0 | 0.30 | 296.4 | 0.015 | 6    | 0.66 | 0.014 | 0.02  | <0.1 | 0.9  | 0.03 | 0.12 | 66   | 0.7  | 0.03  |
| 11CB1296A | Soil                             | 4.1  | 12.8 | 0.28 | 232.5 | 0.015 | 4    | 0.70 | 0.012 | 0.02  | <0.1 | 0.9  | 0.06 | 0.10 | 38   | 0.5  | <0.02 |
| 11CB1297A | Soil                             | 4.7  | 14.9 | 0.31 | 244.7 | 0.017 | 4    | 0.76 | 0.012 | 0.02  | <0.1 | 1.1  | 0.05 | 0.10 | 57   | 0.5  | <0.02 |
| 11CB1298A | Soil                             | 7.9  | 17.7 | 0.46 | 230.7 | 0.020 | 2    | 1.13 | 0.011 | 0.02  | <0.1 | 2.0  | 0.06 | 0.08 | 88   | 0.4  | 0.04  |
| 11CB1299A | Soil                             | 7.6  | 16.9 | 0.43 | 222.2 | 0.021 | 2    | 1.10 | 0.011 | 0.03  | <0.1 | 2.0  | 0.06 | 0.08 | 89   | 0.4  | <0.02 |
| 11CB1300A | Soil                             | 8.0  | 17.4 | 0.45 | 223.1 | 0.023 | 2    | 1.12 | 0.010 | 0.02  | <0.1 | 2.2  | 0.06 | 0.07 | 79   | 0.3  | <0.02 |
| 11CB1301A | Soil                             | 7.8  | 17.9 | 0.47 | 224.1 | 0.025 | 2    | 1.19 | 0.011 | 0.03  | <0.1 | 2.4  | 0.06 | 0.07 | 72   | 0.3  | 0.02  |
| 11CB1302A | Soil                             | 8.1  | 48.7 | 0.85 | 229.8 | 0.064 | 1    | 1.42 | 0.013 | 0.04  | <0.1 | 4.0  | 0.06 | 0.05 | 60   | 0.7  | 0.05  |
| 11CB1303A | Soil                             | 8.0  | 48.2 | 0.89 | 231.2 | 0.068 | 2    | 1.51 | 0.014 | 0.05  | <0.1 | 4.2  | 0.07 | 0.06 | 42   | 0.7  | 0.07  |
| 11CB1304A | Soil                             | 7.0  | 45.7 | 0.90 | 208.7 | 0.065 | 1    | 1.46 | 0.012 | 0.03  | <0.1 | 3.7  | 0.07 | 0.04 | 34   | 0.6  | 0.05  |
| 11CB1305A | Soil                             | 8.3  | 48.9 | 0.95 | 215.8 | 0.068 | 2    | 1.51 | 0.014 | 0.04  | <0.1 | 4.1  | 0.07 | 0.05 | 40   | 0.9  | 0.06  |
| 11CB1306A | Soil                             | 7.3  | 42.8 | 0.78 | 203.3 | 0.061 | 2    | 1.30 | 0.013 | 0.04  | <0.1 | 3.6  | 0.06 | 0.05 | 45   | 0.7  | 0.05  |
| 11CB1307A | Soil                             | 7.2  | 40.2 | 0.72 | 204.3 | 0.055 | 2    | 1.26 | 0.013 | 0.03  | <0.1 | 3.4  | 0.06 | 0.06 | 53   | 0.8  | 0.04  |





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Project: Mariposa  
Report Date: December 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11CB1308A | Soil                             | 7.49   | 79.19  | 4.60   | 66.7   | 151    | 41.4   | 15.6   | 611    | 2.68   | 2.5    | 0.6    | 6.8    | 0.7    | 50.1   | 0.29   | 0.22   | 0.05   | 50     | 1.73   |
| 11CB1309A | Soil                             | 7.01   | 81.47  | 4.63   | 65.6   | 170    | 40.9   | 15.1   | 625    | 2.56   | 2.8    | 0.7    | 10.6   | 0.7    | 55.3   | 0.28   | 0.26   | 0.07   | 50     | 1.95   |
| 11CB1310A | Soil                             | 6.72   | 77.08  | 4.48   | 63.8   | 152    | 38.4   | 14.9   | 604    | 2.47   | 2.5    | 0.6    | 6.7    | 0.7    | 50.7   | 0.26   | 0.22   | 0.06   | 46     | 1.78   |
| 11CB1311A | Soil                             | 7.26   | 79.65  | 4.77   | 68.3   | 157    | 42.0   | 16.6   | 635    | 2.70   | 2.7    | 0.6    | 6.3    | 0.7    | 51.9   | 0.23   | 0.22   | 0.06   | 52     | 1.78   |
| 11CB1312A | Soil                             | 6.92   | 77.37  | 4.58   | 62.4   | 149    | 37.9   | 15.2   | 603    | 2.44   | 2.5    | 0.6    | 6.4    | 0.7    | 51.5   | 0.27   | 0.22   | 0.06   | 48     | 1.75   |
| 11CB1313A | Soil                             | 6.96   | 71.44  | 4.36   | 64.3   | 148    | 38.2   | 14.9   | 546    | 2.57   | 2.4    | 0.6    | 10.8   | 0.7    | 49.8   | 0.23   | 0.21   | 0.06   | 49     | 1.69   |
| 11CB1314A | Soil                             | 7.58   | 80.10  | 5.34   | 73.2   | 165    | 42.6   | 16.3   | 599    | 2.82   | 2.7    | 0.7    | 9.3    | 0.8    | 54.8   | 0.26   | 0.30   | 0.17   | 60     | 1.90   |
| 11CB1315A | Soil                             | 7.58   | 85.26  | 5.09   | 77.7   | 177    | 42.8   | 17.5   | 705    | 2.73   | 2.6    | 0.7    | 12.0   | 0.8    | 57.8   | 0.34   | 0.26   | 0.10   | 58     | 2.00   |
| 11CB1316A | Soil                             | 7.66   | 83.72  | 5.08   | 73.8   | 182    | 44.1   | 17.3   | 705    | 2.82   | 2.8    | 0.7    | 8.1    | 0.7    | 55.7   | 0.30   | 0.22   | 0.12   | 61     | 1.92   |
| 11CB1317A | Soil                             | 7.14   | 77.92  | 5.00   | 71.3   | 160    | 42.0   | 16.7   | 681    | 2.73   | 2.8    | 0.7    | 10.6   | 0.8    | 52.9   | 0.30   | 0.22   | 0.08   | 58     | 1.80   |
| 11CB1318A | Soil                             | 6.84   | 69.22  | 4.49   | 64.8   | 145    | 36.8   | 15.3   | 611    | 2.47   | 2.3    | 0.6    | 10.4   | 0.6    | 48.2   | 0.24   | 0.21   | 0.15   | 51     | 1.64   |
| 11CB1319A | Soil                             | 7.07   | 75.78  | 4.45   | 69.1   | 150    | 40.1   | 16.0   | 642    | 2.57   | 2.5    | 0.6    | 8.4    | 0.7    | 54.2   | 0.31   | 0.21   | 0.08   | 53     | 1.84   |
| 11CB1320A | Soil                             | 6.98   | 74.56  | 4.70   | 69.8   | 145    | 40.4   | 16.1   | 633    | 2.63   | 2.7    | 0.6    | 11.8   | 0.7    | 49.5   | 0.29   | 0.19   | 0.07   | 54     | 1.68   |
| 11CB1321A | Soil                             | 7.51   | 78.04  | 4.86   | 70.5   | 160    | 43.1   | 17.7   | 718    | 2.76   | 3.0    | 0.6    | 6.8    | 0.8    | 53.7   | 0.32   | 0.22   | 0.08   | 58     | 1.84   |
| 11AN0538A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0539A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0540A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0541A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0542A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0543A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0544A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0545A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0546A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0547A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0548A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0549A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0550A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0551A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0552A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0553A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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**Project:** Mariposa  
**Report Date:** December 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11CB1308A | Soil                             | 8.2    | 46.7   | 0.89   | 233.4  | 0.059  | 2      | 1.47   | 0.013  | 0.04   | <0.1   | 4.0    | 0.07   | 0.06   | 46     | 0.8    | 0.04   |
| 11CB1309A | Soil                             | 8.7    | 45.2   | 0.83   | 252.2  | 0.056  | 2      | 1.41   | 0.013  | 0.04   | <0.1   | 3.9    | 0.07   | 0.07   | 52     | 0.9    | 0.06   |
| 11CB1310A | Soil                             | 8.0    | 43.8   | 0.81   | 226.7  | 0.054  | 2      | 1.38   | 0.012  | 0.03   | <0.1   | 3.7    | 0.06   | 0.06   | 50     | 0.8    | 0.04   |
| 11CB1311A | Soil                             | 8.3    | 47.8   | 0.88   | 235.3  | 0.062  | 2      | 1.47   | 0.013  | 0.04   | <0.1   | 4.1    | 0.07   | 0.06   | 55     | 0.8    | 0.05   |
| 11CB1312A | Soil                             | 8.1    | 44.7   | 0.78   | 224.4  | 0.056  | 2      | 1.36   | 0.013  | 0.04   | <0.1   | 3.8    | 0.06   | 0.06   | 44     | 0.7    | 0.05   |
| 11CB1313A | Soil                             | 7.9    | 44.7   | 0.85   | 216.8  | 0.061  | 2      | 1.41   | 0.013  | 0.04   | <0.1   | 3.7    | 0.07   | 0.06   | 45     | 0.8    | 0.05   |
| 11CB1314A | Soil                             | 8.4    | 49.8   | 0.93   | 238.7  | 0.062  | 3      | 1.53   | 0.012  | 0.04   | <0.1   | 4.1    | 0.08   | 0.10   | 57     | 0.9    | 0.04   |
| 11CB1315A | Soil                             | 8.8    | 50.6   | 0.90   | 252.2  | 0.063  | 2      | 1.52   | 0.014  | 0.04   | <0.1   | 4.1    | 0.08   | 0.08   | 53     | 0.9    | 0.04   |
| 11CB1316A | Soil                             | 8.8    | 50.6   | 0.93   | 246.2  | 0.065  | 2      | 1.54   | 0.015  | 0.04   | <0.1   | 4.0    | 0.07   | 0.08   | 49     | 1.0    | 0.05   |
| 11CB1317A | Soil                             | 8.6    | 50.1   | 0.92   | 234.9  | 0.064  | 2      | 1.52   | 0.014  | 0.04   | <0.1   | 4.1    | 0.07   | 0.07   | 42     | 0.9    | 0.05   |
| 11CB1318A | Soil                             | 7.5    | 43.8   | 0.81   | 207.5  | 0.057  | 2      | 1.31   | 0.011  | 0.04   | <0.1   | 3.4    | 0.06   | 0.06   | 45     | 0.8    | 0.03   |
| 11CB1319A | Soil                             | 8.1    | 46.4   | 0.84   | 228.9  | 0.062  | 2      | 1.40   | 0.014  | 0.04   | <0.1   | 3.7    | 0.07   | 0.07   | 50     | 0.7    | 0.05   |
| 11CB1320A | Soil                             | 8.2    | 46.5   | 0.86   | 223.9  | 0.059  | 1      | 1.42   | 0.013  | 0.04   | <0.1   | 3.8    | 0.07   | 0.06   | 38     | 0.8    | 0.05   |
| 11CB1321A | Soil                             | 8.5    | 50.5   | 0.90   | 234.4  | 0.067  | 2      | 1.47   | 0.014  | 0.04   | <0.1   | 4.0    | 0.07   | 0.07   | 39     | 0.8    | 0.05   |
| 11AN0538A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0539A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0540A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0541A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0542A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0543A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0544A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0545A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0546A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0547A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0548A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0549A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0550A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0551A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0552A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0553A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |



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Project: Mariposa  
Report Date: December 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | Mo     | Cu     | Pb     | Zn     | Ag     | Ni     | Co     | Mn     | Fe     | As     | U      | Au     | Th     | Sr     | Cd     | Sb     | Bi     | V      | Ca     |
|           |                                  | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | %      | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | %      |
|           |                                  | 0.01   | 0.01   | 0.01   | 0.1    | 2      | 0.1    | 0.1    | 1      | 0.01   | 0.1    | 0.1    | 0.2    | 0.1    | 0.5    | 0.01   | 0.02   | 0.02   | 2      | 0.01   |
| 11AN0554A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0555A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0556A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0557A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0558A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0559A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0560A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0561A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0562A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0563A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0564A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0565A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0566A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0567A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0568A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0569A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0570A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0571A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0572A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0573A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0574A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0575A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0576A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0577A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0578A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0579A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0580A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0581A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0582A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0583A | Soil                             | 1.67   | 30.87  | 6.61   | 52.3   | 99     | 17.2   | 8.3    | 554    | 1.87   | 4.0    | 1.1    | 2.5    | 0.5    | 62.3   | 0.21   | 0.35   | 0.14   | 37     | 3.23   |



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**Project:** Mariposa  
**Report Date:** December 22, 2011

**Page:** 4 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   | 1F15   |
|-----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|           |                                  | La     | Cr     | Mg     | Ba     | Ti     | B      | Al     | Na     | K      | W      | Sc     | Ti     | S      | Hg     | Se     | Te     |
|           |                                  | ppm    | ppm    | %      | ppm    | %      | ppm    | %      | %      | %      | ppm    | ppm    | ppm    | %      | ppb    | ppm    | ppm    |
|           |                                  | 0.5    | 0.5    | 0.01   | 0.5    | 0.001  | 1      | 0.01   | 0.001  | 0.01   | 0.1    | 0.1    | 0.02   | 0.02   | 5      | 0.1    | 0.02   |
| 11AN0554A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0555A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0556A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0557A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0558A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0559A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0560A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0561A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0562A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0563A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0564A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0565A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0566A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0567A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0568A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0569A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0570A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0571A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0572A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0573A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0574A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0575A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0576A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0577A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0578A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0579A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0580A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0581A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0582A | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11AN0583A | Soil                             | 6.9    | 25.5   | 0.65   | 248.2  | 0.027  | 4      | 1.19   | 0.015  | 0.03   | <0.1   | 2.1    | 0.05   | 0.10   | 44     | 0.8    | 0.03   |



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Project: Mariposa  
Report Date: December 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15        | 1F15        | 1F15        | 1F15       | 1F15     | 1F15       | 1F15       | 1F15     | 1F15      | 1F15       | 1F15       | 1F15       | 1F15       | 1F15       | 1F15        | 1F15        | 1F15        | 1F15     | 1F15      |
|-----------|----------------------------------|-------------|-------------|-------------|------------|----------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------|-----------|
|           |                                  | Mo          | Cu          | Pb          | Zn         | Ag       | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr         | Cd          | Sb          | Bi          | V        | Ca        |
|           |                                  | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.01 | ppm<br>0.1 | ppb<br>2 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppb<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.01 | ppm<br>0.02 | ppm<br>0.02 | ppm<br>2 | %<br>0.01 |
| 11AN0584A | Soil                             | 1.12        | 23.56       | 3.06        | 42.0       | 65       | 16.8       | 5.6        | 833      | 1.02      | 2.9        | 0.9        | <0.2       | 0.3        | 75.7       | 0.35        | 0.30        | 0.18        | 21       | 4.08      |
| 11AN0585A | Soil                             | 2.52        | 13.63       | 1.90        | 50.5       | 64       | 6.3        | 2.4        | 207      | 0.58      | 1.5        | 0.3        | 1.6        | 0.2        | 66.1       | 0.41        | 0.19        | 0.10        | 13       | 3.77      |
| 11AN0586A | Soil                             | 1.77        | 7.77        | 4.82        | 23.9       | 58       | 4.0        | 2.0        | 62       | 1.08      | 2.0        | 0.2        | 10.6       | 0.7        | 16.4       | 0.20        | 0.18        | 0.12        | 35       | 0.21      |
| 11AN0587A | Soil                             | 0.76        | 8.59        | 5.60        | 17.1       | 116      | 4.6        | 1.7        | 53       | 0.96      | 2.4        | 0.3        | 1.1        | 0.3        | 15.2       | 0.13        | 0.14        | 0.17        | 26       | 0.14      |
| 11AN0588A | Soil                             | 0.98        | 8.37        | 3.91        | 24.8       | 137      | 4.6        | 2.3        | 140      | 0.99      | 2.0        | 0.3        | 0.5        | 0.2        | 36.4       | 0.18        | 0.20        | 0.11        | 29       | 0.58      |
| 11AN0589A | Soil                             | 0.60        | 16.43       | 1.74        | 14.3       | 138      | 4.3        | 1.3        | 34       | 0.62      | 1.1        | 0.5        | 1.7        | 0.5        | 119.0      | 0.08        | 0.20        | 0.07        | 8        | 2.39      |
| 11AN0590A | Soil                             | 0.64        | 8.77        | 5.28        | 56.3       | 199      | 5.7        | 3.6        | 391      | 1.31      | 2.8        | 0.2        | 1.1        | 0.2        | 46.1       | 0.26        | 0.20        | 0.14        | 31       | 0.48      |
| 11AN0591A | Soil                             | 0.38        | 12.57       | 5.74        | 12.7       | 169      | 4.7        | 1.7        | 27       | 0.73      | 1.2        | 0.7        | 1.0        | <0.1       | 25.5       | 0.25        | 0.10        | 0.10        | 13       | 0.22      |
| 11AN0592A | Soil                             | 1.67        | 5.77        | 3.43        | 53.3       | 165      | 3.5        | 2.9        | 141      | 1.10      | 1.2        | 0.2        | 2.0        | 0.2        | 23.3       | 0.28        | 0.10        | 0.08        | 25       | 0.30      |
| 11AN0593A | Soil                             | 4.56        | 20.44       | 6.76        | 106.7      | 202      | 8.4        | 8.0        | 1877     | 1.59      | 2.8        | 0.3        | 0.9        | 0.4        | 31.5       | 0.36        | 0.18        | 0.09        | 36       | 0.70      |
| 11AN0594A | Soil                             | 1.08        | 15.55       | 5.20        | 91.9       | 53       | 13.3       | 9.0        | 495      | 2.36      | 3.7        | 0.5        | 1.0        | 0.8        | 58.1       | 0.23        | 0.22        | 0.08        | 48       | 2.23      |
| 11AN0595A | Soil                             | 1.17        | 19.65       | 3.81        | 72.5       | 56       | 12.3       | 5.4        | 370      | 1.10      | 2.3        | 0.7        | 6.1        | 0.3        | 69.4       | 0.27        | 0.23        | 0.09        | 21       | 4.08      |
| 11AN0596A | Soil                             | 3.68        | 24.77       | 5.98        | 47.5       | 60       | 13.4       | 6.5        | 427      | 1.54      | 3.7        | 1.3        | 2.5        | 0.4        | 60.8       | 0.22        | 0.26        | 0.08        | 34       | 3.07      |
| 11AN0597A | Soil                             | 0.92        | 31.97       | 4.25        | 32.4       | 355      | 14.6       | 6.1        | 339      | 1.35      | 2.0        | 0.7        | 1.0        | 0.3        | 40.4       | 0.39        | 0.18        | 0.11        | 30       | 2.06      |
| 11AN0598A | Soil                             | 0.92        | 32.35       | 1.53        | 43.1       | 91       | 12.5       | 2.4        | 457      | 0.23      | 1.1        | 1.2        | 2.1        | <0.1       | 85.9       | 0.56        | 0.27        | 0.07        | 9        | 4.49      |
| 11AN0599A | Soil                             | 1.84        | 30.99       | 1.84        | 11.4       | 108      | 11.1       | 6.8        | 861      | 0.75      | 2.2        | 2.3        | 1.6        | <0.1       | 69.0       | 0.28        | 0.30        | 0.06        | 14       | 4.31      |
| 11AN0600A | Soil                             | 2.72        | 30.21       | 1.39        | 85.9       | 118      | 16.5       | 3.7        | 1653     | 0.32      | 1.4        | 0.7        | 1.8        | <0.1       | 95.2       | 0.59        | 0.28        | 0.06        | 7        | 4.74      |
| 11AN0601A | Soil                             | 2.40        | 32.15       | 1.15        | 73.5       | 108      | 16.5       | 2.7        | 1245     | 0.23      | 1.1        | 0.8        | 1.9        | <0.1       | 98.4       | 0.55        | 0.29        | 0.05        | 6        | 4.97      |
| 11AN0602A | Soil                             | 1.90        | 25.56       | 5.08        | 62.2       | 62       | 13.5       | 5.1        | 487      | 1.17      | 3.2        | 0.8        | 2.0        | 0.3        | 66.0       | 0.28        | 0.22        | 0.08        | 25       | 3.83      |
| 11AN0603A | Soil                             | 1.23        | 26.27       | 4.13        | 41.2       | 71       | 12.5       | 5.5        | 375      | 1.22      | 2.9        | 0.7        | 3.6        | 0.3        | 73.6       | 0.20        | 0.24        | 0.06        | 26       | 3.75      |
| 11AN0604A | Soil                             | 1.35        | 17.01       | 5.47        | 64.0       | 47       | 15.2       | 7.6        | 433      | 1.70      | 3.1        | 0.8        | 4.9        | 0.9        | 48.4       | 0.19        | 0.18        | 0.07        | 34       | 2.22      |
| 11AN0605A | Soil                             | 1.06        | 23.25       | 4.32        | 22.8       | 105      | 10.1       | 5.4        | 884      | 0.93      | 2.0        | 0.5        | 1.2        | 0.2        | 69.9       | 0.44        | 0.23        | 0.08        | 19       | 3.99      |
| 11AN0606A | Soil                             | 0.82        | 20.80       | 1.93        | 68.6       | 62       | 7.7        | 2.1        | 782      | 0.22      | 1.2        | 1.2        | 1.8        | <0.1       | 96.0       | 0.39        | 0.19        | 0.07        | 8        | 4.93      |
| 11AN0607A | Soil                             | 1.27        | 21.33       | 5.40        | 55.5       | 83       | 17.0       | 8.1        | 804      | 1.65      | 3.9        | 0.5        | 3.3        | 0.5        | 62.6       | 0.28        | 0.30        | 0.08        | 30       | 2.95      |
| 11AN0608A | Soil                             | 0.94        | 24.84       | 5.14        | 79.7       | 85       | 12.6       | 6.0        | 871      | 1.29      | 3.5        | 0.5        | 1.5        | 0.3        | 69.0       | 0.33        | 0.25        | 0.08        | 26       | 3.94      |
| 11AN0609A | Soil                             | 1.18        | 23.65       | 6.97        | 64.0       | 88       | 15.9       | 7.9        | 524      | 1.70      | 4.3        | 0.9        | 2.6        | 0.6        | 70.6       | 0.22        | 0.33        | 0.10        | 30       | 3.38      |
| 11AN0610A | Soil                             | 0.59        | 28.20       | 6.86        | 66.1       | 84       | 19.0       | 7.4        | 198      | 1.95      | 3.1        | 1.4        | 3.3        | 1.0        | 62.3       | 0.25        | 0.36        | 0.09        | 40       | 2.75      |
| 11AN0611A | Soil                             | 2.38        | 26.58       | 5.76        | 59.9       | 83       | 20.1       | 10.4       | 4332     | 1.96      | 4.6        | 1.3        | 2.2        | 0.7        | 65.0       | 0.46        | 0.64        | 0.08        | 41       | 2.93      |
| 11AN0612A | Soil                             | 1.26        | 20.53       | 4.32        | 73.9       | 63       | 15.4       | 7.6        | 1334     | 1.60      | 3.2        | 0.6        | 1.8        | 0.5        | 56.9       | 0.33        | 0.79        | 0.07        | 32       | 2.88      |
| 11AN0613A | Soil                             | 2.52        | 12.82       | 4.11        | 69.0       | 46       | 7.2        | 7.0        | 465      | 2.15      | 2.2        | 0.7        | 1.2        | 0.9        | 57.9       | 0.22        | 7.09        | 0.05        | 39       | 2.90      |



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**Project:** Mariposa  
**Report Date:** December 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S     | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %     | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02  | 5    | 0.1  | 0.02  |
| 11AN0584A | Soil                             | 6.7  | 18.5 | 0.59 | 188.0 | 0.020 | 4    | 0.82 | 0.014 | 0.02 | <0.1 | 1.1  | <0.02 | 0.13  | 56   | 0.6  | <0.02 |
| 11AN0585A | Soil                             | 4.4  | 8.7  | 0.24 | 153.4 | 0.011 | 4    | 0.45 | 0.011 | 0.02 | <0.1 | 0.8  | 0.04  | 0.12  | 77   | 0.3  | 0.02  |
| 11AN0586A | Soil                             | 5.3  | 10.3 | 0.16 | 76.9  | 0.033 | <1   | 0.61 | 0.008 | 0.03 | <0.1 | 1.3  | 0.05  | <0.02 | 17   | <0.1 | <0.02 |
| 11AN0587A | Soil                             | 6.6  | 11.8 | 0.13 | 79.3  | 0.032 | <1   | 0.72 | 0.008 | 0.02 | <0.1 | 1.1  | 0.07  | 0.02  | 49   | 0.1  | 0.02  |
| 11AN0588A | Soil                             | 13.7 | 9.9  | 0.18 | 104.9 | 0.025 | 1    | 0.58 | 0.012 | 0.04 | <0.1 | 1.6  | 0.05  | 0.04  | 59   | 0.2  | <0.02 |
| 11AN0589A | Soil                             | 10.6 | 7.3  | 0.17 | 582.8 | 0.009 | 2    | 0.32 | 0.009 | 0.02 | <0.1 | 2.2  | <0.02 | 0.16  | 83   | 0.4  | <0.02 |
| 11AN0590A | Soil                             | 5.8  | 10.8 | 0.19 | 296.5 | 0.020 | 2    | 0.71 | 0.008 | 0.06 | <0.1 | 1.3  | 0.04  | 0.04  | 58   | 0.2  | <0.02 |
| 11AN0591A | Soil                             | 11.6 | 10.9 | 0.07 | 175.6 | 0.007 | <1   | 0.71 | 0.009 | 0.02 | <0.1 | 0.4  | 0.05  | 0.04  | 53   | 0.2  | <0.02 |
| 11AN0592A | Soil                             | 4.0  | 7.5  | 0.25 | 116.4 | 0.041 | <1   | 0.70 | 0.013 | 0.05 | <0.1 | 1.4  | 0.05  | 0.04  | 63   | 0.2  | 0.02  |
| 11AN0593A | Soil                             | 6.0  | 14.6 | 0.40 | 253.1 | 0.040 | 2    | 0.92 | 0.014 | 0.07 | <0.1 | 1.9  | 0.07  | 0.05  | 66   | 0.2  | <0.02 |
| 11AN0594A | Soil                             | 10.4 | 19.5 | 0.78 | 245.1 | 0.042 | 3    | 1.46 | 0.019 | 0.05 | <0.1 | 3.3  | 0.05  | 0.06  | 42   | 0.4  | <0.02 |
| 11AN0595A | Soil                             | 5.9  | 15.8 | 0.42 | 459.2 | 0.018 | 5    | 0.77 | 0.013 | 0.03 | <0.1 | 1.5  | 0.04  | 0.12  | 84   | 0.5  | <0.02 |
| 11AN0596A | Soil                             | 6.4  | 18.6 | 0.57 | 231.3 | 0.023 | 3    | 1.00 | 0.014 | 0.03 | <0.1 | 1.8  | 0.05  | 0.11  | 43   | 0.5  | 0.02  |
| 11AN0597A | Soil                             | 5.9  | 19.0 | 0.33 | 197.8 | 0.048 | 3    | 0.83 | 0.014 | 0.04 | <0.1 | 1.8  | 0.06  | 0.08  | 95   | 0.4  | 0.02  |
| 11AN0598A | Soil                             | 2.9  | 7.4  | 0.21 | 245.4 | 0.008 | 8    | 0.31 | 0.013 | 0.02 | <0.1 | 0.4  | 0.04  | 0.16  | 93   | 0.6  | <0.02 |
| 11AN0599A | Soil                             | 2.6  | 7.6  | 0.18 | 305.0 | 0.008 | 4    | 0.38 | 0.014 | 0.01 | <0.1 | 0.5  | 0.04  | 0.17  | 56   | 0.8  | 0.03  |
| 11AN0600A | Soil                             | 2.4  | 7.2  | 0.18 | 325.8 | 0.009 | 8    | 0.32 | 0.012 | 0.01 | <0.1 | 0.4  | 0.05  | 0.16  | 99   | 0.6  | <0.02 |
| 11AN0601A | Soil                             | 2.0  | 6.1  | 0.16 | 312.2 | 0.007 | 9    | 0.28 | 0.010 | 0.01 | <0.1 | 0.3  | 0.04  | 0.17  | 94   | 0.6  | <0.02 |
| 11AN0602A | Soil                             | 4.7  | 17.1 | 0.58 | 276.7 | 0.021 | 6    | 0.77 | 0.013 | 0.03 | <0.1 | 1.3  | 0.07  | 0.14  | 61   | 0.5  | 0.04  |
| 11AN0603A | Soil                             | 8.7  | 18.1 | 0.46 | 237.3 | 0.025 | 4    | 0.83 | 0.013 | 0.03 | <0.1 | 1.4  | 0.05  | 0.11  | 46   | 0.6  | 0.04  |
| 11AN0604A | Soil                             | 7.7  | 23.8 | 0.81 | 190.5 | 0.043 | 3    | 1.06 | 0.013 | 0.04 | <0.1 | 2.4  | 0.05  | 0.07  | 46   | 0.4  | 0.02  |
| 11AN0605A | Soil                             | 3.9  | 13.0 | 0.25 | 230.2 | 0.017 | 3    | 0.68 | 0.015 | 0.02 | <0.1 | 1.1  | 0.04  | 0.13  | 81   | 0.5  | <0.02 |
| 11AN0606A | Soil                             | 1.9  | 6.9  | 0.20 | 342.6 | 0.009 | 7    | 0.34 | 0.010 | 0.02 | <0.1 | 0.4  | 0.04  | 0.14  | 66   | 0.7  | 0.03  |
| 11AN0607A | Soil                             | 6.0  | 23.5 | 0.39 | 269.9 | 0.030 | 3    | 0.97 | 0.018 | 0.02 | <0.1 | 1.9  | 0.05  | 0.10  | 52   | 0.5  | <0.02 |
| 11AN0608A | Soil                             | 5.4  | 17.8 | 0.60 | 245.0 | 0.019 | 5    | 0.83 | 0.014 | 0.03 | <0.1 | 1.3  | 0.03  | 0.11  | 58   | 0.7  | 0.03  |
| 11AN0609A | Soil                             | 6.7  | 23.4 | 0.61 | 242.6 | 0.033 | 5    | 1.09 | 0.015 | 0.03 | <0.1 | 2.2  | 0.05  | 0.10  | 63   | 0.7  | 0.03  |
| 11AN0610A | Soil                             | 12.2 | 29.6 | 1.07 | 246.3 | 0.040 | 3    | 1.46 | 0.015 | 0.03 | 0.1  | 3.2  | 0.06  | 0.09  | 45   | 0.7  | 0.03  |
| 11AN0611A | Soil                             | 12.0 | 21.3 | 0.72 | 461.4 | 0.028 | 4    | 1.06 | 0.013 | 0.03 | <0.1 | 2.3  | 0.04  | 0.10  | 52   | 0.8  | <0.02 |
| 11AN0612A | Soil                             | 8.4  | 17.8 | 0.57 | 281.6 | 0.028 | 3    | 0.88 | 0.011 | 0.03 | 0.1  | 1.9  | 0.04  | 0.09  | 50   | 0.7  | <0.02 |
| 11AN0613A | Soil                             | 16.7 | 10.9 | 0.54 | 226.2 | 0.014 | 3    | 1.00 | 0.008 | 0.05 | 1.6  | 3.3  | 0.05  | 0.08  | 82   | 0.4  | <0.02 |



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Project: Mariposa  
Report Date: December 22, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------|----------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
|           |                                  | Mo   | Cu    | Pb   | Zn   | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr    | Cd   | Sb   | Bi   | V    | Ca   |
|           |                                  | ppm  | ppm   | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | %    |
|           |                                  | 0.01 | 0.01  | 0.01 | 0.1  | 2    | 0.1  | 0.1  | 1    | 0.01 | 0.1  | 0.1  | 0.2  | 0.1  | 0.5   | 0.01 | 0.02 | 0.02 | 2    | 0.01 |
| 11AN0614A | Soil                             | 4.61 | 31.63 | 2.45 | 30.8 | 75   | 12.3 | 5.6  | 3055 | 1.21 | 2.4  | 0.8  | 0.9  | 0.4  | 69.8  | 0.34 | 4.44 | 0.05 | 23   | 3.49 |
| 11AN0615A | Soil                             | 0.90 | 18.10 | 3.74 | 33.8 | 233  | 9.4  | 5.4  | 248  | 1.76 | 2.1  | 1.2  | 1.7  | 0.9  | 119.8 | 0.05 | 0.37 | 0.07 | 35   | 1.46 |
| 11AN0616A | Soil                             | 0.75 | 12.45 | 6.87 | 44.4 | 384  | 8.5  | 7.2  | 604  | 2.03 | 2.4  | 0.5  | 2.0  | 0.9  | 28.5  | 0.15 | 0.38 | 0.10 | 40   | 0.50 |
| 11AN0617A | Soil                             | 0.85 | 17.16 | 8.10 | 58.3 | 298  | 14.7 | 9.0  | 332  | 2.88 | 4.3  | 1.1  | 3.8  | 2.3  | 36.2  | 0.19 | 0.31 | 0.17 | 54   | 0.47 |
| 11AN0618A | Soil                             | 0.61 | 8.63  | 6.16 | 57.5 | 71   | 9.9  | 10.4 | 966  | 2.56 | 2.4  | 0.4  | 1.0  | 1.7  | 59.1  | 0.17 | 0.29 | 0.10 | 54   | 0.95 |
| 11AN0619A | Soil                             | 1.65 | 13.99 | 6.72 | 38.4 | 651  | 9.5  | 11.0 | 1160 | 1.72 | 2.3  | 1.1  | 2.2  | 0.7  | 49.7  | 0.27 | 0.39 | 0.14 | 32   | 0.79 |
| 11AN0620A | Soil                             | 1.36 | 14.11 | 3.47 | 40.1 | 175  | 5.4  | 3.3  | 1403 | 1.07 | 1.9  | 0.2  | 0.8  | 0.2  | 23.3  | 0.28 | 0.19 | 0.06 | 28   | 0.39 |
| 11AN0621A | Soil                             | 1.26 | 14.51 | 4.31 | 42.4 | 163  | 6.8  | 4.0  | 988  | 1.38 | 2.3  | 0.2  | 1.8  | 0.4  | 24.6  | 0.24 | 0.21 | 0.07 | 35   | 0.39 |
| 11AN0622A | Soil                             | 1.12 | 20.75 | 6.07 | 49.9 | 107  | 12.0 | 7.2  | 275  | 2.37 | 3.4  | 0.6  | 1.4  | 1.4  | 31.9  | 0.13 | 0.30 | 0.09 | 57   | 0.68 |
| 11AN0623A | Soil                             | 1.18 | 20.03 | 6.28 | 66.0 | 81   | 18.1 | 9.6  | 463  | 2.13 | 3.9  | 0.8  | 1.8  | 0.9  | 49.3  | 0.19 | 0.32 | 0.12 | 46   | 2.11 |



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**Project:** Mariposa  
**Report Date:** December 22, 2011

**Page:** 6 of 6 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001851.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15 | 1F15 | 1F15  | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15 | 1F15  |
|-----------|----------------------------------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|------|------|------|-------|
|           |                                  | La   | Cr   | Mg   | Ba    | Ti    | B    | Al   | Na    | K    | W    | Sc   | Ti    | S    | Hg   | Se   | Te    |
|           |                                  | ppm  | ppm  | %    | ppm   | %     | ppm  | %    | %     | %    | ppm  | ppm  | ppm   | %    | ppb  | ppm  | ppm   |
|           |                                  | 0.5  | 0.5  | 0.01 | 0.5   | 0.001 | 1    | 0.01 | 0.001 | 0.01 | 0.1  | 0.1  | 0.02  | 0.02 | 5    | 0.1  | 0.02  |
| 11AN0614A | Soil                             | 25.9 | 9.4  | 0.36 | 429.1 | 0.012 | 4    | 0.73 | 0.010 | 0.03 | 0.4  | 1.3  | 0.16  | 0.14 | 93   | 0.7  | <0.02 |
| 11AN0615A | Soil                             | 49.5 | 14.0 | 0.44 | 355.4 | 0.024 | 2    | 1.15 | 0.015 | 0.03 | 0.1  | 4.1  | 0.06  | 0.07 | 95   | 0.2  | <0.02 |
| 11AN0616A | Soil                             | 12.8 | 13.5 | 0.31 | 431.0 | 0.020 | <1   | 1.08 | 0.009 | 0.08 | 0.2  | 3.1  | 0.05  | 0.03 | 65   | 0.3  | <0.02 |
| 11AN0617A | Soil                             | 26.5 | 25.3 | 0.38 | 736.8 | 0.017 | 1    | 2.14 | 0.008 | 0.09 | 0.1  | 6.9  | 0.06  | 0.04 | 99   | 0.5  | 0.03  |
| 11AN0618A | Soil                             | 12.8 | 13.8 | 0.39 | 631.0 | 0.020 | 1    | 1.16 | 0.010 | 0.07 | <0.1 | 4.5  | 0.04  | 0.02 | 56   | 0.2  | <0.02 |
| 11AN0619A | Soil                             | 22.7 | 14.5 | 0.31 | 324.6 | 0.032 | <1   | 1.21 | 0.011 | 0.09 | <0.1 | 3.6  | 0.06  | 0.06 | 120  | 0.6  | <0.02 |
| 11AN0620A | Soil                             | 4.1  | 8.3  | 0.19 | 228.0 | 0.030 | 2    | 0.48 | 0.012 | 0.06 | <0.1 | 1.2  | 0.03  | 0.04 | 92   | 0.2  | 0.03  |
| 11AN0621A | Soil                             | 5.5  | 10.6 | 0.28 | 210.7 | 0.045 | 2    | 0.67 | 0.012 | 0.07 | <0.1 | 1.5  | 0.05  | 0.03 | 74   | 0.1  | <0.02 |
| 11AN0622A | Soil                             | 17.6 | 18.6 | 0.50 | 153.6 | 0.050 | <1   | 1.37 | 0.013 | 0.05 | 0.1  | 3.3  | 0.04  | 0.03 | 61   | 0.2  | <0.02 |
| 11AN0623A | Soil                             | 10.7 | 25.6 | 0.76 | 289.0 | 0.039 | 3    | 1.25 | 0.015 | 0.04 | <0.1 | 2.8  | <0.02 | 0.06 | 40   | 0.5  | <0.02 |





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Project: Mariposa

Report Date: December 22, 2011

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## QUALITY CONTROL REPORT

WHI11001851.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1F15  | 1F15  | 1F15  | 1F15  | 1F15 | 1F15 | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15 | 1F15 | 1F15  | 1F15  | 1F15  | 1F15 | 1F15  | 1F15   |
|---------------------|----------------------------------|-------|-------|-------|-------|------|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag   | Ni   | Co   | Mn   | Fe    | As   | U    | Au    | Th   | Sr   | Cd    | Sb    | Bi    | V    | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppb  | ppm  | ppm  | ppm  | %     | ppm  | ppm  | ppb   | ppm  | ppm  | ppm   | ppm   | ppm   | ppm  | %     | %      |
|                     |                                  | 0.01  | 0.01  | 0.01  | 0.1   | 2    | 0.1  | 0.1  | 1    | 0.01  | 0.1  | 0.1  | 0.2   | 0.1  | 0.5  | 0.01  | 0.02  | 0.02  | 2    | 0.01  | 0.001  |
| Pulp Duplicates     |                                  |       |       |       |       |      |      |      |      |       |      |      |       |      |      |       |       |       |      |       |        |
| 11CB1292A           | Soil                             | 3.30  | 25.97 | 3.09  | 48.9  | 77   | 19.0 | 6.2  | 929  | 1.01  | 1.9  | 0.5  | 1.9   | 0.2  | 83.6 | 0.38  | 0.30  | 0.06  | 16   | 3.27  | 0.088  |
| REP 11CB1292A       | QC                               | 3.18  | 26.29 | 3.23  | 49.0  | 73   | 18.5 | 6.1  | 919  | 0.99  | 1.5  | 0.5  | 2.5   | 0.3  | 84.2 | 0.37  | 0.30  | 0.09  | 16   | 3.35  | 0.087  |
| 11CB1309A           | Soil                             | 7.01  | 81.47 | 4.63  | 65.6  | 170  | 40.9 | 15.1 | 625  | 2.56  | 2.8  | 0.7  | 10.6  | 0.7  | 55.3 | 0.28  | 0.26  | 0.07  | 50   | 1.95  | 0.144  |
| REP 11CB1309A       | QC                               | 7.05  | 81.69 | 4.80  | 65.3  | 170  | 41.9 | 15.6 | 636  | 2.59  | 2.7  | 0.7  | 6.3   | 0.7  | 56.7 | 0.29  | 0.26  | 0.06  | 47   | 2.00  | 0.144  |
| 11AN0587A           | Soil                             | 0.76  | 8.59  | 5.60  | 17.1  | 116  | 4.6  | 1.7  | 53   | 0.96  | 2.4  | 0.3  | 1.1   | 0.3  | 15.2 | 0.13  | 0.14  | 0.17  | 26   | 0.14  | 0.028  |
| REP 11AN0587A       | QC                               | 0.82  | 9.00  | 5.86  | 17.5  | 119  | 4.7  | 1.7  | 54   | 0.98  | 2.4  | 0.3  | 1.5   | 0.3  | 15.6 | 0.13  | 0.16  | 0.16  | 26   | 0.16  | 0.028  |
| 11AN0601A           | Soil                             | 2.40  | 32.15 | 1.15  | 73.5  | 108  | 16.5 | 2.7  | 1245 | 0.23  | 1.1  | 0.8  | 1.9   | <0.1 | 98.4 | 0.55  | 0.29  | 0.05  | 6    | 4.97  | 0.098  |
| REP 11AN0601A       | QC                               | 2.49  | 32.45 | 1.22  | 73.9  | 110  | 16.6 | 2.9  | 1268 | 0.21  | 1.2  | 0.8  | 2.0   | <0.1 | 99.7 | 0.53  | 0.28  | 0.08  | 6    | 5.05  | 0.100  |
| 11AN0616A           | Soil                             | 0.75  | 12.45 | 6.87  | 44.4  | 384  | 8.5  | 7.2  | 604  | 2.03  | 2.4  | 0.5  | 2.0   | 0.9  | 28.5 | 0.15  | 0.38  | 0.10  | 40   | 0.50  | 0.057  |
| REP 11AN0616A       | QC                               | 0.85  | 14.37 | 6.91  | 46.0  | 437  | 9.3  | 7.7  | 673  | 2.10  | 2.6  | 0.5  | 0.9   | 1.0  | 32.2 | 0.15  | 0.41  | 0.11  | 42   | 0.56  | 0.065  |
| Reference Materials |                                  |       |       |       |       |      |      |      |      |       |      |      |       |      |      |       |       |       |      |       |        |
| STD DS8             | Standard                         | 12.20 | 99.08 | 120.7 | 288.1 | 1730 | 34.7 | 6.9  | 552  | 2.31  | 23.2 | 2.6  | 110.0 | 6.7  | 57.2 | 2.19  | 4.88  | 6.26  | 34   | 0.65  | 0.072  |
| STD DS8             | Standard                         | 11.83 | 98.66 | 119.2 | 287.6 | 1670 | 33.8 | 6.6  | 528  | 2.24  | 22.0 | 2.6  | 98.2  | 6.3  | 56.8 | 2.10  | 4.86  | 6.01  | 31   | 0.61  | 0.072  |
| STD DS8             | Standard                         | 13.11 | 115.6 | 126.1 | 316.3 | 1859 | 39.6 | 8.0  | 588  | 2.39  | 24.4 | 2.8  | 114.9 | 6.7  | 61.1 | 2.32  | 5.76  | 7.14  | 38   | 0.66  | 0.072  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1690 | 38.1 | 7.5  | 615  | 2.46  | 26   | 2.8  | 107   | 6.89 | 67.7 | 2.38  | 5.7   | 6.67  | 41.1 | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.01 | <0.01 | <0.01 | <0.1  | <2   | <0.1 | <0.1 | <1   | <0.01 | <0.1 | <0.1 | <0.2  | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2   | <0.01 | <0.001 |



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Project: Mariposa

Report Date: December 22, 2011

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001851.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1F15 | 1F15  | 1F15   | 1F15  | 1F15   | 1F15 | 1F15  | 1F15   | 1F15  | 1F15 | 1F15 | 1F15  | 1F15   | 1F15 | 1F15 | 1F15  | 1F15 |
|---------------------|----------------------------------|------|-------|--------|-------|--------|------|-------|--------|-------|------|------|-------|--------|------|------|-------|------|
|                     |                                  | La   | Cr    | Mg     | Ba    | Ti     | B    | Al    | Na     | K     | W    | Sc   | Tl    | S      | Hg   | Se   | Te    | Ga   |
|                     |                                  | ppm  | ppm   | %      | ppm   | %      | ppm  | %     | %      | %     | ppm  | ppm  | ppm   | %      | ppb  | ppm  | ppm   | ppm  |
|                     |                                  | 0.5  | 0.5   | 0.01   | 0.5   | 0.001  | 1    | 0.01  | 0.001  | 0.01  | 0.1  | 0.1  | 0.02  | 0.02   | 5    | 0.1  | 0.02  | 0.1  |
| Pulp Duplicates     |                                  |      |       |        |       |        |      |       |        |       |      |      |       |        |      |      |       |      |
| 11CB1292A           | Soil                             | 4.0  | 13.5  | 0.27   | 406.3 | 0.013  | 5    | 0.59  | 0.011  | 0.02  | <0.1 | 1.1  | 0.04  | 0.14   | 62   | 0.6  | <0.02 | 1.7  |
| REP 11CB1292A       | QC                               | 4.1  | 13.8  | 0.29   | 400.9 | 0.016  | 5    | 0.57  | 0.011  | 0.02  | <0.1 | 1.3  | 0.04  | 0.15   | 64   | 0.7  | 0.04  | 1.7  |
| 11CB1309A           | Soil                             | 8.7  | 45.2  | 0.83   | 252.2 | 0.056  | 2    | 1.41  | 0.013  | 0.04  | <0.1 | 3.9  | 0.07  | 0.07   | 52   | 0.9  | 0.06  | 5.6  |
| REP 11CB1309A       | QC                               | 8.8  | 47.3  | 0.85   | 247.5 | 0.052  | 2    | 1.43  | 0.013  | 0.03  | <0.1 | 4.1  | 0.07  | 0.07   | 50   | 0.8  | 0.05  | 5.5  |
| 11AN0587A           | Soil                             | 6.6  | 11.8  | 0.13   | 79.3  | 0.032  | <1   | 0.72  | 0.008  | 0.02  | <0.1 | 1.1  | 0.07  | 0.02   | 49   | 0.1  | 0.02  | 4.4  |
| REP 11AN0587A       | QC                               | 6.8  | 12.2  | 0.13   | 85.9  | 0.031  | <1   | 0.72  | 0.009  | 0.02  | <0.1 | 1.2  | 0.06  | 0.02   | 42   | 0.1  | <0.02 | 4.7  |
| 11AN0601A           | Soil                             | 2.0  | 6.1   | 0.16   | 312.2 | 0.007  | 9    | 0.28  | 0.010  | 0.01  | <0.1 | 0.3  | 0.04  | 0.17   | 94   | 0.6  | <0.02 | 0.7  |
| REP 11AN0601A       | QC                               | 2.0  | 6.7   | 0.16   | 315.2 | 0.007  | 10   | 0.28  | 0.010  | 0.01  | <0.1 | 0.3  | 0.04  | 0.16   | 92   | 0.6  | <0.02 | 0.7  |
| 11AN0616A           | Soil                             | 12.8 | 13.5  | 0.31   | 431.0 | 0.020  | <1   | 1.08  | 0.009  | 0.08  | 0.2  | 3.1  | 0.05  | 0.03   | 65   | 0.3  | <0.02 | 4.3  |
| REP 11AN0616A       | QC                               | 13.5 | 14.4  | 0.32   | 471.0 | 0.020  | <1   | 1.12  | 0.009  | 0.09  | 0.2  | 3.1  | 0.05  | 0.03   | 68   | 0.3  | <0.02 | 4.5  |
| Reference Materials |                                  |      |       |        |       |        |      |       |        |       |      |      |       |        |      |      |       |      |
| STD DS8             | Standard                         | 14.3 | 114.6 | 0.56   | 243.2 | 0.098  | 2    | 0.85  | 0.078  | 0.39  | 2.6  | 2.0  | 5.25  | 0.13   | 199  | 4.8  | 4.73  | 4.2  |
| STD DS8             | Standard                         | 13.8 | 107.5 | 0.55   | 243.0 | 0.096  | 2    | 0.83  | 0.076  | 0.37  | 2.7  | 1.9  | 5.12  | 0.12   | 193  | 4.6  | 4.46  | 4.1  |
| STD DS8             | Standard                         | 14.7 | 123.1 | 0.58   | 276.5 | 0.113  | 2    | 0.93  | 0.104  | 0.42  | 3.2  | 2.2  | 5.61  | 0.15   | 213  | 5.1  | 5.33  | 4.3  |
| STD DS8 Expected    |                                  | 14.6 | 115   | 0.6045 | 279   | 0.113  | 2.6  | 0.93  | 0.0883 | 0.41  | 3    | 2.3  | 5.4   | 0.1679 | 192  | 5.23 | 5     | 4.7  |
| BLK                 | Blank                            | <0.5 | <0.5  | <0.01  | <0.5  | <0.001 | <1   | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02  | <5   | <0.1 | <0.02 | <0.1 |
| BLK                 | Blank                            | <0.5 | <0.5  | <0.01  | <0.5  | <0.001 | <1   | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02  | <5   | <0.1 | <0.02 | <0.1 |
| BLK                 | Blank                            | <0.5 | <0.5  | <0.01  | <0.5  | <0.001 | <1   | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02  | <5   | <0.1 | <0.02 | <0.1 |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: September 22, 2011

Report Date: December 13, 2011

Page: 1 of 7

## CERTIFICATE OF ANALYSIS

WHI11001852.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-46  
P.O. Number  
Number of Samples: 157

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
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Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 157               | Dry at 60C sieve 100g to -80 mesh          |              |               | VAN |
| Dry at 60C  | 157               | Dry at 60C                                 |              |               | VAN |
| RJSV        | 157               | Saving all or part of Soil Reject          |              |               | VAN |
| 1DX2        | 157               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: December 13, 2011

Page: 2 of 7 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001852.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11MS0142 | Soil                             | 1.9   | 38.5  | 7.9   | 45    | <0.1  | 26.9  | 11.0  | 317   | 2.80  | 6.4   | 0.6   | 1.5   | 2.9   | 26    | <0.1  | 0.3   | 0.2   | 63    | 0.26  |
| 11MS0143 | Soil                             | 1.9   | 23.5  | 9.3   | 52    | 0.2   | 20.5  | 10.0  | 320   | 3.17  | 9.6   | 0.5   | 4.2   | 2.9   | 21    | <0.1  | 0.5   | 0.2   | 72    | 0.13  |
| 11MS0144 | Soil                             | 2.6   | 45.3  | 7.2   | 51    | 0.2   | 17.3  | 9.7   | 276   | 2.81  | 5.4   | 0.8   | 3.9   | 2.1   | 25    | <0.1  | 0.3   | 0.2   | 62    | 0.28  |
| 11MS0145 | Soil                             | 1.1   | 37.0  | 2.8   | 96    | <0.1  | 12.0  | 14.2  | 786   | 5.21  | 0.9   | 0.9   | 0.6   | 4.9   | 32    | <0.1  | <0.1  | <0.1  | 121   | 0.53  |
| 11MS0146 | Soil                             | 0.5   | 19.8  | 7.4   | 64    | <0.1  | 20.4  | 13.3  | 394   | 3.09  | 7.2   | 0.6   | 4.2   | 4.4   | 20    | 0.1   | 0.4   | 0.1   | 76    | 0.24  |
| 11MS0147 | Soil                             | 0.5   | 8.8   | 6.7   | 65    | <0.1  | 16.2  | 13.5  | 360   | 3.57  | 5.6   | 0.5   | 2.6   | 4.2   | 20    | <0.1  | 0.2   | 0.1   | 91    | 0.26  |
| 11MS0148 | Soil                             | 0.3   | 30.0  | 4.5   | 88    | <0.1  | 24.3  | 15.2  | 592   | 3.60  | 3.4   | 0.6   | 2.0   | 3.6   | 43    | <0.1  | 0.2   | <0.1  | 96    | 0.57  |
| 11MS0149 | Soil                             | 0.3   | 27.3  | 6.5   | 76    | 0.1   | 21.2  | 8.2   | 663   | 2.22  | 2.3   | 0.7   | 1.8   | 1.8   | 34    | 0.3   | <0.1  | 0.2   | 63    | 0.84  |
| 11MS0150 | Soil                             | 0.3   | 25.1  | 7.0   | 57    | <0.1  | 19.8  | 10.5  | 360   | 2.70  | 5.3   | 0.9   | 3.3   | 2.0   | 42    | 0.2   | 0.3   | 0.2   | 63    | 1.16  |
| 11MS0151 | Soil                             | 0.4   | 12.6  | 5.3   | 67    | <0.1  | 14.3  | 9.7   | 527   | 2.73  | 2.4   | 0.8   | 1.7   | 1.1   | 78    | 0.2   | 0.2   | <0.1  | 73    | 2.12  |
| 11MS0152 | Soil                             | 0.2   | 15.3  | 5.8   | 54    | <0.1  | 16.1  | 9.6   | 391   | 2.83  | 3.6   | 0.9   | 3.1   | 2.2   | 58    | <0.1  | 0.2   | <0.1  | 74    | 1.15  |
| 11MS0153 | Soil                             | 1.2   | 56.9  | 4.7   | 81    | 0.1   | 18.5  | 11.1  | 637   | 3.64  | 3.9   | 0.5   | 3.6   | 2.8   | 75    | <0.1  | 0.1   | <0.1  | 105   | 1.00  |
| 11MS0154 | Soil                             | 1.5   | 61.5  | 3.9   | 40    | 0.1   | 31.2  | 9.0   | 890   | 1.78  | 5.1   | 0.4   | 1.9   | 0.3   | 58    | 0.3   | 0.4   | <0.1  | 42    | 3.16  |
| 11MS0155 | Soil                             | 4.7   | 82.8  | 5.4   | 86    | 0.1   | 37.6  | 14.3  | 464   | 2.67  | 3.3   | 0.5   | <0.5  | 1.4   | 39    | 0.5   | 0.3   | <0.1  | 77    | 1.06  |
| 11MS0156 | Soil                             | 20.4  | 83.8  | 7.5   | 79    | 0.2   | 61.0  | 21.2  | 1306  | 3.53  | 5.7   | 1.0   | 6.6   | 1.6   | 51    | 0.3   | 0.4   | <0.1  | 83    | 1.71  |
| 11MS0157 | Soil                             | 6.6   | 45.0  | 7.2   | 74    | 0.1   | 35.6  | 18.8  | 456   | 3.63  | 5.4   | 0.8   | 5.6   | 2.0   | 44    | 0.3   | 0.4   | <0.1  | 80    | 1.38  |
| 11MS0158 | Soil                             | 5.3   | 76.4  | 10.1  | 70    | <0.1  | 45.5  | 18.4  | 319   | 3.57  | 5.1   | 0.6   | 8.7   | 2.6   | 45    | 0.4   | 0.4   | 0.1   | 76    | 1.49  |
| 11MS0159 | Soil                             | 1.7   | 24.8  | 5.9   | 53    | <0.1  | 20.0  | 7.3   | 609   | 1.70  | 2.9   | 0.9   | 5.9   | 0.6   | 63    | 0.3   | 0.4   | 0.1   | 31    | 3.06  |
| 11MS0160 | Soil                             | 2.1   | 30.5  | 6.2   | 55    | <0.1  | 17.9  | 8.7   | 586   | 1.94  | 3.9   | 0.9   | 2.9   | 0.9   | 56    | 0.4   | 0.3   | <0.1  | 43    | 2.67  |
| 11MS0161 | Soil                             | 2.3   | 36.7  | 7.0   | 57    | <0.1  | 18.5  | 9.5   | 482   | 2.22  | 4.4   | 0.9   | 4.7   | 1.2   | 52    | 0.2   | 0.4   | 0.1   | 49    | 2.23  |
| 11MS0162 | Soil                             | 0.9   | 38.9  | 4.8   | 55    | <0.1  | 15.8  | 7.9   | 455   | 1.93  | 2.4   | 0.6   | 3.8   | 1.3   | 56    | 0.2   | 0.2   | <0.1  | 46    | 2.07  |
| 11MS0163 | Soil                             | 0.9   | 42.3  | 5.1   | 52    | <0.1  | 16.5  | 7.5   | 533   | 1.64  | 2.1   | 0.8   | 6.6   | 0.7   | 58    | 0.2   | 0.2   | <0.1  | 40    | 2.98  |
| 11MS0164 | Soil                             | 0.9   | 23.5  | 5.1   | 40    | <0.1  | 15.2  | 6.4   | 510   | 1.61  | 1.5   | 1.3   | 4.0   | 0.6   | 65    | 0.2   | 0.2   | <0.1  | 43    | 3.02  |
| 11MS0165 | Soil                             | 0.8   | 38.1  | 7.6   | 69    | <0.1  | 20.5  | 9.4   | 754   | 2.56  | 2.5   | 0.8   | 4.8   | 1.7   | 45    | 0.3   | 0.5   | <0.1  | 65    | 2.05  |
| 11MS0166 | Soil                             | 1.0   | 25.9  | 9.1   | 54    | <0.1  | 21.2  | 10.2  | 405   | 2.81  | 8.0   | 1.2   | 12.9  | 3.3   | 35    | 0.2   | 0.5   | 0.1   | 64    | 0.60  |
| 11MS0167 | Soil                             | 0.9   | 23.4  | 9.4   | 53    | 0.1   | 20.8  | 11.9  | 467   | 2.60  | 6.7   | 1.1   | 8.7   | 3.0   | 51    | 0.2   | 0.7   | 0.2   | 59    | 0.77  |
| 11MS0168 | Soil                             | 0.6   | 26.4  | 8.9   | 66    | 0.1   | 22.2  | 10.6  | 424   | 2.98  | 6.7   | 1.1   | 9.7   | 4.3   | 38    | 0.1   | 0.6   | 0.2   | 68    | 0.55  |
| 11MS0169 | Soil                             | 0.7   | 13.1  | 6.9   | 64    | <0.1  | 14.7  | 9.2   | 301   | 2.56  | 5.1   | 1.1   | 6.2   | 2.5   | 94    | 0.1   | 0.3   | 0.1   | 59    | 0.86  |
| 11MS0170 | Soil                             | 0.6   | 11.8  | 7.3   | 48    | <0.1  | 14.6  | 9.1   | 288   | 2.69  | 6.4   | 0.5   | 5.9   | 3.3   | 19    | <0.1  | 0.4   | 0.1   | 62    | 0.27  |
| 11MS0171 | Soil                             | 0.7   | 26.0  | 8.5   | 63    | <0.1  | 16.7  | 11.1  | 626   | 2.99  | 6.6   | 0.9   | 6.9   | 4.5   | 34    | 0.1   | 0.3   | 0.1   | 68    | 0.62  |



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Project: Mariposa  
Report Date: December 13, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001852.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0142 | Soil                             | 10    | 34    | 0.61  | 194   | 0.062 | <1    | 1.88  | 0.011 | 0.09  | <0.1  | 0.01  | 3.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0143 | Soil                             | 8     | 34    | 0.56  | 191   | 0.068 | 1     | 2.49  | 0.013 | 0.09  | 0.1   | 0.04  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0144 | Soil                             | 12    | 26    | 0.61  | 180   | 0.063 | <1    | 1.78  | 0.016 | 0.07  | <0.1  | 0.03  | 3.0   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0145 | Soil                             | 24    | 25    | 1.70  | 582   | 0.271 | <1    | 3.12  | 0.016 | 1.35  | <0.1  | <0.01 | 7.2   | 0.3   | <0.05 | 11    | <0.5  | <0.2  |
| 11MS0146 | Soil                             | 13    | 33    | 0.87  | 291   | 0.123 | <1    | 2.26  | 0.013 | 0.19  | 0.1   | 0.02  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0147 | Soil                             | 15    | 32    | 1.14  | 367   | 0.186 | <1    | 2.49  | 0.012 | 0.53  | <0.1  | 0.02  | 4.9   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0148 | Soil                             | 16    | 43    | 1.53  | 677   | 0.215 | <1    | 2.44  | 0.017 | 0.71  | <0.1  | 0.02  | 5.2   | 0.2   | <0.05 | 8     | 0.7   | <0.2  |
| 11MS0149 | Soil                             | 11    | 42    | 4.92  | 252   | 0.068 | <1    | 2.69  | 0.009 | 0.06  | <0.1  | 0.03  | 5.2   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0150 | Soil                             | 10    | 32    | 1.12  | 221   | 0.066 | <1    | 1.70  | 0.018 | 0.04  | 0.1   | 0.04  | 4.2   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11MS0151 | Soil                             | 13    | 23    | 1.04  | 154   | 0.050 | 2     | 1.80  | 0.026 | 0.06  | <0.1  | 0.06  | 5.4   | <0.1  | 0.07  | 6     | 1.1   | <0.2  |
| 11MS0152 | Soil                             | 14    | 28    | 0.83  | 215   | 0.035 | <1    | 1.83  | 0.022 | 0.05  | <0.1  | 0.06  | 4.7   | <0.1  | 0.06  | 6     | 0.7   | <0.2  |
| 11MS0153 | Soil                             | 12    | 27    | 1.06  | 362   | 0.104 | <1    | 2.49  | 0.016 | 0.08  | <0.1  | <0.01 | 6.5   | <0.1  | <0.05 | 8     | 1.3   | <0.2  |
| 11MS0154 | Soil                             | 6     | 33    | 0.40  | 164   | 0.033 | 2     | 0.94  | 0.016 | 0.02  | <0.1  | 0.05  | 2.4   | <0.1  | 0.16  | 3     | 2.2   | <0.2  |
| 11MS0155 | Soil                             | 7     | 53    | 0.67  | 150   | 0.053 | 1     | 1.31  | 0.013 | 0.04  | 0.1   | 0.02  | 4.8   | <0.1  | <0.05 | 6     | 1.6   | <0.2  |
| 11MS0156 | Soil                             | 16    | 71    | 0.90  | 438   | 0.026 | 1     | 1.44  | 0.011 | 0.05  | <0.1  | 0.04  | 6.7   | <0.1  | <0.05 | 5     | 1.6   | <0.2  |
| 11MS0157 | Soil                             | 12    | 52    | 1.11  | 337   | 0.097 | 2     | 1.88  | 0.020 | 0.07  | 0.1   | 0.04  | 6.0   | <0.1  | <0.05 | 7     | 0.9   | <0.2  |
| 11MS0158 | Soil                             | 13    | 50    | 1.00  | 229   | 0.104 | 2     | 1.74  | 0.021 | 0.10  | 0.1   | 0.04  | 5.7   | <0.1  | <0.05 | 7     | 1.1   | <0.2  |
| 11MS0159 | Soil                             | 7     | 20    | 0.55  | 302   | 0.023 | 3     | 0.83  | 0.012 | 0.03  | <0.1  | 0.04  | 1.8   | <0.1  | 0.09  | 3     | 1.8   | <0.2  |
| 11MS0160 | Soil                             | 8     | 22    | 0.78  | 225   | 0.043 | 3     | 1.14  | 0.015 | 0.05  | 0.1   | 0.04  | 2.3   | <0.1  | 0.09  | 3     | 1.3   | <0.2  |
| 11MS0161 | Soil                             | 10    | 25    | 0.82  | 200   | 0.049 | 3     | 1.22  | 0.016 | 0.04  | 0.1   | 0.05  | 2.6   | <0.1  | <0.05 | 4     | 1.7   | <0.2  |
| 11MS0162 | Soil                             | 8     | 20    | 1.76  | 146   | 0.055 | 2     | 1.42  | 0.019 | 0.05  | <0.1  | 0.02  | 2.5   | <0.1  | <0.05 | 4     | 1.0   | <0.2  |
| 11MS0163 | Soil                             | 7     | 23    | 1.32  | 288   | 0.037 | 3     | 1.26  | 0.017 | 0.05  | <0.1  | 0.04  | 1.9   | <0.1  | <0.05 | 4     | 1.7   | <0.2  |
| 11MS0164 | Soil                             | 9     | 23    | 1.55  | 244   | 0.038 | 3     | 1.35  | 0.015 | 0.05  | <0.1  | 0.04  | 2.3   | <0.1  | <0.05 | 4     | 1.0   | <0.2  |
| 11MS0165 | Soil                             | 11    | 32    | 2.60  | 186   | 0.057 | 3     | 1.86  | 0.016 | 0.06  | 0.2   | 0.03  | 4.6   | <0.1  | <0.05 | 6     | 1.1   | <0.2  |
| 11MS0166 | Soil                             | 15    | 30    | 0.48  | 652   | 0.059 | 1     | 1.65  | 0.015 | 0.06  | 0.2   | 0.03  | 5.6   | <0.1  | <0.05 | 5     | 1.4   | <0.2  |
| 11MS0167 | Soil                             | 13    | 28    | 0.49  | 613   | 0.054 | 2     | 1.57  | 0.016 | 0.05  | 0.2   | 0.03  | 4.6   | <0.1  | <0.05 | 4     | 1.4   | <0.2  |
| 11MS0168 | Soil                             | 19    | 32    | 0.59  | 454   | 0.067 | <1    | 1.74  | 0.017 | 0.07  | 0.2   | 0.03  | 5.5   | <0.1  | <0.05 | 6     | 1.2   | <0.2  |
| 11MS0169 | Soil                             | 18    | 22    | 0.59  | 458   | 0.047 | 2     | 1.47  | 0.016 | 0.07  | 0.2   | 0.04  | 4.4   | <0.1  | 0.07  | 5     | 1.0   | <0.2  |
| 11MS0170 | Soil                             | 10    | 28    | 0.49  | 261   | 0.050 | <1    | 1.84  | 0.009 | 0.06  | 0.1   | 0.01  | 3.1   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11MS0171 | Soil                             | 27    | 27    | 0.53  | 748   | 0.059 | 2     | 1.79  | 0.021 | 0.08  | 0.1   | 0.05  | 6.8   | <0.1  | <0.05 | 5     | 0.9   | <0.2  |



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Report Date: December 13, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001852.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     | 1DX15      | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15      | 1DX15      | 1DX15      | 1DX15    | 1DX15     |
|----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
|          |                                  | Mo         | Cu         | Pb         | Zn       | Ag         | Ni         | Co         | Mn       | Fe        | As         | U          | Au         | Th         | Sr       | Cd         | Sb         | Bi         | V        | Ca        |
|          |                                  | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.1 | ppb<br>0.5 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>2 | %<br>0.01 |
| 11MS0172 | Soil                             | 1.2        | 36.6       | 7.2        | 50       | <0.1       | 20.0       | 10.6       | 348      | 2.91      | 7.5        | 1.1        | 4.3        | 4.1        | 22       | <0.1       | 0.4        | 0.1        | 73       | 0.23      |
| 11MS0173 | Soil                             | 1.0        | 70.0       | 4.7        | 64       | <0.1       | 16.2       | 13.3       | 480      | 3.78      | 5.7        | 0.5        | 3.2        | 3.7        | 41       | <0.1       | 0.2        | <0.1       | 116      | 0.26      |
| 11MS0174 | Soil                             | 1.1        | 12.5       | 10.0       | 47       | <0.1       | 19.5       | 11.1       | 269      | 3.21      | 9.2        | 0.4        | 2.0        | 3.1        | 16       | <0.1       | 0.5        | 0.2        | 73       | 0.11      |
| 11MS0175 | Soil                             | 0.2        | 5.6        | 2.9        | 57       | <0.1       | 10.0       | 15.3       | 387      | 3.72      | 2.5        | 0.6        | 1.5        | 3.8        | 39       | <0.1       | <0.1       | <0.1       | 96       | 0.53      |
| 11MS0176 | Soil                             | 0.4        | 17.0       | 7.8        | 49       | <0.1       | 13.7       | 7.0        | 238      | 2.44      | 4.8        | 0.7        | 3.6        | 4.2        | 20       | <0.1       | 0.2        | 0.2        | 56       | 0.21      |
| 11MS0177 | Soil                             | 0.4        | 34.7       | 3.9        | 58       | <0.1       | 18.9       | 18.2       | 575      | 4.33      | 1.7        | 0.1        | <0.5       | 0.3        | 40       | <0.1       | <0.1       | <0.1       | 88       | 0.93      |
| 11MS0178 | Soil                             | 0.6        | 7.2        | 7.3        | 39       | <0.1       | 8.4        | 4.9        | 210      | 2.19      | 4.0        | 0.4        | 1.0        | 2.6        | 24       | <0.1       | 0.1        | 0.1        | 64       | 0.33      |
| 11MS0179 | Soil                             | 0.4        | 6.6        | 5.1        | 62       | <0.1       | 8.9        | 7.3        | 468      | 2.82      | 3.1        | 0.4        | 0.8        | 2.5        | 45       | <0.1       | 0.1        | <0.1       | 83       | 0.62      |
| 11MS0180 | Soil                             | 0.3        | 10.9       | 3.0        | 54       | <0.1       | 8.5        | 7.9        | 659      | 2.46      | 1.2        | 0.4        | 1.3        | 2.2        | 89       | <0.1       | 0.1        | <0.1       | 63       | 0.98      |
| 11MS0181 | Soil                             | 0.2        | 10.6       | 3.1        | 54       | <0.1       | 8.4        | 7.9        | 675      | 2.42      | 1.6        | 0.4        | 3.1        | 2.2        | 92       | <0.1       | <0.1       | <0.1       | 63       | 1.02      |
| 11MS0182 | Soil                             | 0.2        | 15.3       | 6.4        | 56       | <0.1       | 11.0       | 6.2        | 527      | 1.91      | 3.2        | 0.9        | 1.9        | 1.7        | 39       | 0.1        | 0.1        | <0.1       | 64       | 1.26      |
| 11MS0183 | Soil                             | 0.6        | 14.4       | 7.3        | 57       | <0.1       | 35.5       | 11.3       | 376      | 3.13      | 6.6        | 0.4        | 3.2        | 2.9        | 26       | 0.1        | 0.3        | 0.1        | 77       | 0.28      |
| 11MS0184 | Soil                             | 6.5        | 209.7      | 3.4        | 104      | <0.1       | 122.6      | 47.5       | 458      | 7.34      | 6.9        | 0.7        | 2.1        | 1.2        | 44       | 0.2        | 0.3        | <0.1       | 91       | 1.03      |
| 11MS0185 | Soil                             | 1.0        | 18.2       | 7.3        | 42       | <0.1       | 72.5       | 19.1       | 355      | 2.80      | 3.4        | 0.2        | 1.7        | 1.3        | 64       | <0.1       | 0.1        | <0.1       | 57       | 0.72      |
| 11MS0186 | Soil                             | 15.1       | 37.1       | 10.4       | 83       | 0.2        | 40.8       | 13.8       | 321      | 3.73      | 12.5       | 0.7        | 14.7       | 2.6        | 22       | 0.2        | 0.4        | 0.2        | 71       | 0.35      |
| 11MS0187 | Soil                             | 54.9       | 113.8      | 14.4       | 114      | 0.1        | 65.6       | 20.2       | 1255     | 3.73      | 16.4       | 1.1        | 18.3       | 2.7        | 27       | 0.4        | 1.3        | <0.1       | 72       | 0.46      |
| 11MS0188 | Soil                             | 3.5        | 158.1      | 4.5        | 356      | 0.2        | 149.7      | 19.3       | 838      | 4.35      | 2.0        | 2.7        | 8.5        | 3.5        | 76       | 2.1        | 0.4        | <0.1       | 636      | 4.42      |
| 11MS0189 | Soil                             | 0.8        | 12.6       | 9.3        | 39       | <0.1       | 14.1       | 6.7        | 212      | 2.77      | 7.4        | 0.5        | 2.3        | 3.2        | 18       | <0.1       | 0.4        | 0.2        | 65       | 0.15      |
| 11MS0190 | Soil                             | 0.3        | 14.8       | 6.0        | 39       | <0.1       | 11.3       | 4.7        | 401      | 1.44      | 2.0        | 0.5        | 2.7        | 1.5        | 38       | <0.1       | <0.1       | <0.1       | 33       | 1.62      |
| 11MS0191 | Soil                             | 0.9        | 14.6       | 8.8        | 50       | <0.1       | 22.1       | 10.0       | 398      | 2.95      | 7.3        | 0.8        | 3.2        | 4.0        | 30       | <0.1       | 0.5        | 0.1        | 73       | 0.25      |
| 11MS0192 | Soil                             | 0.2        | 8.7        | 4.1        | 64       | <0.1       | 7.8        | 7.2        | 461      | 2.99      | 2.3        | 0.4        | 1.4        | 3.0        | 92       | <0.1       | 0.2        | <0.1       | 88       | 0.87      |
| 11MS0193 | Soil                             | 0.3        | 7.7        | 3.2        | 45       | <0.1       | 8.9        | 6.8        | 422      | 2.11      | 2.0        | 0.4        | 1.1        | 4.3        | 47       | <0.1       | 0.2        | <0.1       | 61       | 0.84      |
| 11MS0194 | Soil                             | 0.6        | 3.4        | 4.3        | 76       | <0.1       | 5.3        | 10.3       | 669      | 3.77      | 2.6        | 0.4        | 0.6        | 4.7        | 109      | <0.1       | 0.2        | <0.1       | 107      | 0.70      |
| 11MS0195 | Soil                             | 1.0        | 9.1        | 7.0        | 55       | 0.1        | 11.2       | 7.4        | 329      | 2.94      | 5.8        | 0.3        | 1.2        | 2.2        | 37       | 0.1        | 0.3        | 0.1        | 77       | 0.29      |
| 11MS0196 | Soil                             | 1.1        | 8.5        | 8.3        | 46       | 0.1        | 10.4       | 6.6        | 310      | 3.02      | 7.0        | 0.3        | 0.7        | 2.0        | 29       | 0.1        | 0.4        | 0.2        | 79       | 0.25      |
| 11MS0197 | Soil                             | 0.3        | 6.7        | 4.3        | 74       | <0.1       | 8.1        | 9.7        | 731      | 3.72      | 2.5        | 0.4        | 2.4        | 2.8        | 76       | <0.1       | 0.1        | <0.1       | 106      | 0.65      |
| 11MS0198 | Soil                             | 0.2        | 5.9        | 4.0        | 73       | <0.1       | 7.4        | 9.8        | 732      | 3.61      | 2.3        | 0.4        | 0.7        | 2.7        | 79       | <0.1       | 0.1        | <0.1       | 106      | 0.71      |
| 11MS0199 | Soil                             | 0.4        | 7.4        | 8.3        | 113      | <0.1       | 18.1       | 12.0       | 877      | 3.94      | 1.4        | 0.6        | 1.2        | 3.5        | 89       | 0.1        | <0.1       | 0.4        | 134      | 0.65      |
| 11MS0200 | Soil                             | 0.5        | 10.6       | 5.8        | 59       | <0.1       | 19.2       | 9.8        | 736      | 3.02      | 2.0        | 0.6        | 9.3        | 2.6        | 88       | <0.1       | 0.1        | <0.1       | 85       | 0.89      |
| 11MS0201 | Soil                             | 0.5        | 10.9       | 5.8        | 57       | <0.1       | 18.7       | 10.2       | 772      | 3.02      | 2.2        | 0.6        | 3.3        | 2.6        | 88       | 0.1        | 0.1        | <0.1       | 82       | 0.88      |



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Project: Mariposa  
Report Date: December 13, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001852.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0172 | Soil                             | 16    | 34    | 0.80  | 203   | 0.101 | <1    | 1.92  | 0.011 | 0.07  | 0.1   | 0.03  | 6.1   | <0.1  | <0.05 | 5     | 0.7   | <0.2  |
| 11MS0173 | Soil                             | 16    | 28    | 1.54  | 287   | 0.218 | <1    | 2.53  | 0.011 | 0.56  | 0.1   | <0.01 | 5.7   | 0.2   | <0.05 | 8     | 0.8   | <0.2  |
| 11MS0174 | Soil                             | 8     | 37    | 0.73  | 220   | 0.089 | 1     | 2.16  | 0.009 | 0.10  | 0.1   | 0.02  | 2.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0175 | Soil                             | 20    | 28    | 1.61  | 518   | 0.267 | 2     | 2.32  | 0.018 | 0.84  | <0.1  | <0.01 | 5.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0176 | Soil                             | 16    | 25    | 0.65  | 227   | 0.097 | <1    | 1.69  | 0.010 | 0.16  | <0.1  | 0.03  | 3.2   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11MS0177 | Soil                             | 1     | 25    | 1.36  | 145   | 0.206 | <1    | 2.02  | 0.037 | 0.06  | <0.1  | <0.01 | 2.4   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0178 | Soil                             | 9     | 19    | 0.41  | 101   | 0.052 | <1    | 1.27  | 0.016 | 0.03  | <0.1  | <0.01 | 2.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0179 | Soil                             | 13    | 17    | 0.57  | 118   | 0.061 | <1    | 1.51  | 0.023 | 0.09  | <0.1  | <0.01 | 3.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0180 | Soil                             | 10    | 16    | 0.90  | 130   | 0.061 | <1    | 1.68  | 0.030 | 0.05  | <0.1  | <0.01 | 4.5   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11MS0181 | Soil                             | 10    | 16    | 0.90  | 131   | 0.061 | 1     | 1.71  | 0.030 | 0.05  | <0.1  | 0.01  | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0182 | Soil                             | 9     | 16    | 4.04  | 162   | 0.073 | 2     | 2.77  | 0.014 | 0.03  | <0.1  | 0.02  | 2.5   | <0.1  | <0.05 | 7     | 1.0   | <0.2  |
| 11MS0183 | Soil                             | 11    | 48    | 0.81  | 265   | 0.061 | <1    | 2.21  | 0.013 | 0.04  | <0.1  | 0.01  | 3.6   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11MS0184 | Soil                             | 7     | 105   | 1.11  | 152   | 0.076 | <1    | 2.24  | 0.013 | 0.02  | <0.1  | <0.01 | 5.3   | <0.1  | <0.05 | 10    | 1.2   | <0.2  |
| 11MS0185 | Soil                             | 7     | 49    | 0.96  | 116   | 0.118 | <1    | 1.61  | 0.032 | 0.04  | <0.1  | <0.01 | 2.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0186 | Soil                             | 14    | 37    | 0.46  | 391   | 0.029 | 1     | 1.79  | 0.010 | 0.06  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05 | 5     | 0.9   | <0.2  |
| 11MS0187 | Soil                             | 10    | 32    | 0.60  | 1151  | 0.012 | <1    | 1.71  | 0.004 | 0.09  | <0.1  | 0.02  | 6.2   | <0.1  | <0.05 | 4     | 2.5   | 0.2   |
| 11MS0188 | Soil                             | 28    | 260   | 2.79  | 1409  | 0.054 | 1     | 2.71  | 0.005 | 0.01  | 0.5   | 0.04  | 11.6  | <0.1  | <0.05 | 9     | 4.0   | <0.2  |
| 11MS0189 | Soil                             | 9     | 24    | 0.43  | 133   | 0.059 | <1    | 2.08  | 0.011 | 0.04  | 0.1   | 0.02  | 3.0   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11MS0190 | Soil                             | 11    | 16    | 2.96  | 193   | 0.004 | <1    | 2.45  | 0.009 | 0.03  | <0.1  | 0.02  | 2.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0191 | Soil                             | 10    | 38    | 0.61  | 140   | 0.064 | <1    | 2.47  | 0.020 | 0.06  | 0.1   | 0.02  | 4.1   | <0.1  | <0.05 | 6     | 0.5   | <0.2  |
| 11MS0192 | Soil                             | 15    | 12    | 0.64  | 64    | 0.080 | <1    | 1.59  | 0.035 | 0.06  | <0.1  | <0.01 | 4.8   | <0.1  | <0.05 | 8     | 0.5   | <0.2  |
| 11MS0193 | Soil                             | 19    | 13    | 0.44  | 114   | 0.061 | <1    | 1.45  | 0.055 | 0.09  | <0.1  | <0.01 | 4.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0194 | Soil                             | 19    | 11    | 0.63  | 115   | 0.081 | <1    | 1.93  | 0.041 | 0.08  | <0.1  | 0.02  | 3.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0195 | Soil                             | 7     | 27    | 0.55  | 98    | 0.077 | <1    | 2.02  | 0.025 | 0.05  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 11MS0196 | Soil                             | 8     | 25    | 0.44  | 100   | 0.072 | <1    | 1.80  | 0.015 | 0.05  | 0.1   | 0.02  | 2.2   | <0.1  | <0.05 | 7     | 0.7   | <0.2  |
| 11MS0197 | Soil                             | 12    | 13    | 0.69  | 184   | 0.065 | <1    | 1.96  | 0.030 | 0.09  | <0.1  | <0.01 | 5.0   | <0.1  | <0.05 | 9     | 0.8   | <0.2  |
| 11MS0198 | Soil                             | 11    | 12    | 0.68  | 182   | 0.062 | <1    | 1.93  | 0.029 | 0.10  | <0.1  | <0.01 | 4.9   | <0.1  | <0.05 | 8     | 0.5   | <0.2  |
| 11MS0199 | Soil                             | 15    | 39    | 0.72  | 148   | 0.040 | <1    | 2.02  | 0.011 | 0.10  | <0.1  | <0.01 | 5.0   | <0.1  | <0.05 | 10    | 0.6   | <0.2  |
| 11MS0200 | Soil                             | 12    | 34    | 0.71  | 199   | 0.075 | <1    | 1.98  | 0.031 | 0.05  | 0.1   | 0.03  | 4.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0201 | Soil                             | 13    | 34    | 0.70  | 198   | 0.074 | <1    | 1.97  | 0.032 | 0.05  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 8     | 0.6   | <0.2  |



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Report Date: December 13, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001852.1

|          | Method | Analyte | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |    |      |
|----------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
|          |        |         |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca | P    |
|          |        |         |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %  | %    |
|          |        |         |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2  | 0.01 |
| 11MS0202 | Soil   |         | 1.0  | 15.5 | 8.9   | 40    | <0.1  | 12.8  | 6.9   | 292   | 2.24  | 6.4   | 0.9   | 2.0   | 4.2   | 19    | <0.1  | 0.4   | 0.2   | 56    | 0.20  | 0.015 |    |      |
| 11MS0203 | Soil   |         | 0.6  | 37.0 | 6.8   | 56    | <0.1  | 12.8  | 9.4   | 485   | 3.35  | 3.9   | 0.5   | 4.3   | 4.9   | 25    | <0.1  | 0.3   | 0.1   | 68    | 0.34  | 0.098 |    |      |
| 11MS0204 | Soil   |         | 0.9  | 17.1 | 9.3   | 45    | <0.1  | 17.6  | 9.3   | 352   | 2.70  | 9.0   | 1.1   | 2.6   | 4.5   | 17    | <0.1  | 0.5   | 0.2   | 56    | 0.14  | 0.047 |    |      |
| 11MS0205 | Soil   |         | 8.2  | 47.7 | 7.1   | 75    | 0.1   | 39.1  | 15.7  | 662   | 3.43  | 6.1   | 0.6   | 15.9  | 2.4   | 27    | 0.4   | 0.4   | <0.1  | 54    | 1.12  | 0.081 |    |      |
| 11MS0206 | Soil   |         | 0.1  | 45.5 | 1.4   | 77    | <0.1  | 12.9  | 10.8  | 973   | 4.02  | 0.9   | 0.4   | 1.1   | 2.7   | 10    | <0.1  | <0.1  | <0.1  | 91    | 0.26  | 0.093 |    |      |
| 11MS0207 | Soil   |         | 0.6  | 11.2 | 5.9   | 58    | 0.1   | 14.9  | 10.3  | 703   | 3.08  | 3.1   | 0.4   | 0.7   | 1.7   | 109   | 0.1   | 0.2   | 0.1   | 93    | 0.67  | 0.076 |    |      |
| 11MS0208 | Soil   |         | 0.4  | 11.7 | 5.3   | 59    | <0.1  | 14.9  | 10.5  | 650   | 3.04  | 2.5   | 0.4   | 0.9   | 1.6   | 123   | 0.2   | 0.2   | <0.1  | 92    | 0.76  | 0.089 |    |      |
| 11MS0209 | Soil   |         | 0.6  | 15.5 | 7.6   | 44    | <0.1  | 13.9  | 7.5   | 294   | 2.69  | 5.8   | 0.5   | 2.9   | 2.7   | 36    | <0.1  | 0.3   | 0.1   | 67    | 0.25  | 0.043 |    |      |
| 11MS0210 | Soil   |         | 0.3  | 31.0 | 4.0   | 73    | <0.1  | 94.7  | 28.7  | 538   | 4.54  | 3.0   | 0.3   | 2.3   | 1.6   | 119   | <0.1  | 0.2   | 0.2   | 91    | 1.07  | 0.279 |    |      |
| 11MS0211 | Soil   |         | 0.4  | 23.8 | 7.0   | 52    | <0.1  | 24.8  | 9.9   | 396   | 2.62  | 7.1   | 1.1   | 2.9   | 4.3   | 37    | <0.1  | 0.4   | 0.2   | 64    | 0.39  | 0.067 |    |      |
| 11MS0212 | Soil   |         | 1.3  | 57.7 | 8.5   | 97    | <0.1  | 14.8  | 11.4  | 719   | 4.28  | 6.0   | 0.6   | 3.0   | 4.2   | 15    | <0.1  | 0.2   | <0.1  | 88    | 0.21  | 0.078 |    |      |
| 11MS0213 | Soil   |         | 0.7  | 52.2 | 3.0   | 108   | <0.1  | 16.3  | 15.9  | 1369  | 5.46  | 3.7   | 0.5   | 0.8   | 3.4   | 13    | <0.1  | <0.1  | <0.1  | 113   | 0.27  | 0.106 |    |      |
| 11MS0214 | Soil   |         | 4.8  | 96.7 | 6.3   | 125   | <0.1  | 143.5 | 49.2  | 1377  | 8.53  | 3.0   | 0.9   | 2.0   | 2.4   | 119   | 0.3   | 0.4   | <0.1  | 134   | 1.62  | 0.454 |    |      |
| 11MS0215 | Soil   |         | 0.7  | 53.7 | 11.8  | 64    | 0.2   | 20.7  | 12.5  | 562   | 2.87  | 4.3   | 0.7   | 4.8   | 1.3   | 51    | 0.4   | 0.5   | 0.1   | 56    | 2.22  | 0.118 |    |      |
| 11MS0216 | Soil   |         | 0.5  | 33.9 | 9.4   | 48    | 0.1   | 21.3  | 9.5   | 299   | 2.27  | 6.4   | 0.6   | 2.7   | 1.9   | 49    | 0.4   | 0.5   | 0.1   | 49    | 1.89  | 0.060 |    |      |
| 11MS0217 | Soil   |         | 0.4  | 74.3 | 9.6   | 59    | 0.1   | 22.3  | 10.1  | 325   | 2.50  | 6.8   | 0.4   | 5.4   | 3.1   | 43    | <0.1  | 0.4   | 0.1   | 58    | 1.48  | 0.053 |    |      |
| 11MS0218 | Soil   |         | 0.4  | 37.5 | 8.1   | 47    | <0.1  | 18.8  | 8.8   | 508   | 2.14  | 5.3   | 0.6   | 4.0   | 1.3   | 43    | 0.3   | 0.5   | 0.1   | 45    | 2.06  | 0.071 |    |      |
| 11MS0219 | Soil   |         | 0.3  | 19.2 | 6.1   | 96    | <0.1  | 21.7  | 13.2  | 1003  | 3.84  | 3.2   | 0.6   | 3.8   | 2.4   | 62    | 0.3   | 0.3   | <0.1  | 88    | 1.66  | 0.188 |    |      |
| 11MS0220 | Soil   |         | 0.4  | 24.0 | 6.1   | 83    | <0.1  | 16.2  | 11.1  | 710   | 2.93  | 2.6   | 0.9   | 6.8   | 1.5   | 60    | 0.2   | 0.3   | <0.1  | 67    | 1.90  | 0.124 |    |      |
| 11MS0221 | Soil   |         | 0.3  | 24.3 | 6.4   | 75    | <0.1  | 17.0  | 9.9   | 532   | 2.63  | 2.1   | 0.9   | 3.8   | 1.6   | 57    | 0.2   | 0.3   | <0.1  | 65    | 1.95  | 0.102 |    |      |
| 11MS0222 | Soil   |         | 0.7  | 12.1 | 6.7   | 59    | <0.1  | 13.1  | 9.0   | 433   | 2.69  | 4.2   | 0.7   | 11.2  | 3.8   | 27    | <0.1  | 0.4   | 0.1   | 50    | 0.46  | 0.094 |    |      |
| 11MS0223 | Soil   |         | 0.6  | 25.8 | 6.7   | 54    | 0.2   | 38.7  | 11.0  | 453   | 3.11  | 3.2   | 0.7   | 1.6   | 3.8   | 120   | 0.1   | 0.2   | <0.1  | 93    | 0.96  | 0.077 |    |      |
| 11MS0224 | Soil   |         | 1.2  | 79.0 | 5.8   | 71    | 0.2   | 49.0  | 20.0  | 1003  | 4.37  | 3.7   | 0.4   | 1.2   | 1.5   | 66    | 0.1   | 0.2   | <0.1  | 123   | 0.76  | 0.099 |    |      |
| 11MS0225 | Soil   |         | 2.1  | 29.0 | 9.4   | 40    | 0.5   | 20.3  | 8.1   | 181   | 2.32  | 6.5   | 1.0   | 2.5   | 4.1   | 21    | <0.1  | 0.4   | 0.2   | 63    | 0.25  | 0.029 |    |      |
| 11MS0226 | Soil   |         | 9.1  | 54.8 | 11.2  | 85    | 0.2   | 36.3  | 14.8  | 464   | 3.36  | 9.1   | 1.3   | 6.3   | 4.9   | 18    | 0.2   | 0.4   | 0.2   | 88    | 0.23  | 0.068 |    |      |
| 11MS0227 | Soil   |         | 0.9  | 68.9 | 4.6   | 95    | <0.1  | 25.3  | 13.3  | 1145  | 4.90  | 8.2   | 0.8   | 1.9   | 6.8   | 31    | 0.1   | 0.3   | <0.1  | 105   | 0.47  | 0.077 |    |      |
| 11MS0228 | Soil   |         | 1.4  | 18.8 | 7.6   | 45    | <0.1  | 17.3  | 7.6   | 403   | 1.83  | 5.6   | 0.5   | 3.0   | 2.0   | 77    | 0.3   | 0.9   | <0.1  | 45    | 8.81  | 0.070 |    |      |
| 11MS0229 | Soil   |         | 0.5  | 36.2 | 9.9   | 59    | 0.1   | 19.4  | 8.8   | 385   | 2.69  | 7.8   | 0.4   | 1.3   | 2.3   | 46    | 0.2   | 0.4   | 0.1   | 60    | 2.14  | 0.072 |    |      |
| 11MS0230 | Soil   |         | 0.4  | 31.4 | 12.2  | 50    | 0.1   | 23.0  | 10.2  | 312   | 2.52  | 9.0   | 0.5   | 1.4   | 2.5   | 43    | 0.2   | 0.5   | 0.1   | 53    | 1.61  | 0.053 |    |      |
| 11MS0231 | Soil   |         | 0.3  | 31.0 | 7.9   | 50    | <0.1  | 15.8  | 8.0   | 461   | 2.00  | 4.9   | 0.9   | <0.5  | 1.3   | 50    | 0.2   | 0.3   | 0.1   | 48    | 2.30  | 0.074 |    |      |





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**Project:** Mariposa  
**Report Date:** December 13, 2011

**Page:** 4 of 7 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001852.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0202 | Soil                             | 14    | 30    | 0.43  | 159   | 0.063 | <1    | 1.52  | 0.012 | 0.03  | 0.1   | 0.03  | 4.1   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11MS0203 | Soil                             | 22    | 21    | 0.58  | 267   | 0.032 | 1     | 2.10  | 0.010 | 0.09  | <0.1  | 0.02  | 6.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0204 | Soil                             | 14    | 31    | 0.49  | 156   | 0.063 | 1     | 1.89  | 0.011 | 0.04  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11MS0205 | Soil                             | 15    | 36    | 0.41  | 623   | 0.026 | 1     | 1.23  | 0.012 | 0.08  | <0.1  | 0.02  | 8.9   | <0.1  | <0.05 | 3     | 1.4   | <0.2  |
| 11MS0206 | Soil                             | 11    | 24    | 1.60  | 498   | 0.315 | <1    | 2.24  | 0.012 | 1.05  | <0.1  | <0.01 | 10.6  | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11MS0207 | Soil                             | 8     | 26    | 1.13  | 196   | 0.089 | <1    | 2.12  | 0.017 | 0.06  | <0.1  | 0.02  | 3.5   | <0.1  | <0.05 | 8     | 0.6   | <0.2  |
| 11MS0208 | Soil                             | 7     | 26    | 1.27  | 171   | 0.102 | <1    | 2.08  | 0.018 | 0.05  | <0.1  | 0.02  | 3.5   | <0.1  | <0.05 | 8     | 0.9   | <0.2  |
| 11MS0209 | Soil                             | 15    | 23    | 0.51  | 264   | 0.065 | <1    | 2.03  | 0.013 | 0.04  | 0.1   | 0.01  | 3.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0210 | Soil                             | 7     | 108   | 1.97  | 141   | 0.233 | 2     | 3.11  | 0.051 | 0.06  | <0.1  | 0.02  | 3.3   | <0.1  | <0.05 | 12    | <0.5  | <0.2  |
| 11MS0211 | Soil                             | 18    | 38    | 0.63  | 251   | 0.083 | 2     | 1.73  | 0.017 | 0.05  | <0.1  | 0.03  | 6.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0212 | Soil                             | 14    | 32    | 0.85  | 279   | 0.126 | 2     | 2.27  | 0.011 | 0.47  | <0.1  | 0.02  | 9.4   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0213 | Soil                             | 9     | 38    | 1.59  | 323   | 0.265 | <1    | 3.28  | 0.012 | 0.94  | <0.1  | <0.01 | 12.2  | 0.2   | <0.05 | 11    | <0.5  | <0.2  |
| 11MS0214 | Soil                             | 36    | 130   | 1.71  | 878   | 0.080 | 3     | 2.95  | 0.042 | 0.22  | <0.1  | 0.02  | 10.7  | 0.2   | <0.05 | 13    | 0.6   | <0.2  |
| 11MS0215 | Soil                             | 17    | 22    | 0.62  | 562   | 0.020 | 3     | 1.54  | 0.013 | 0.05  | <0.1  | 0.07  | 5.0   | <0.1  | <0.05 | 5     | 0.8   | <0.2  |
| 11MS0216 | Soil                             | 12    | 25    | 0.55  | 298   | 0.044 | 3     | 1.27  | 0.016 | 0.04  | 0.1   | 0.04  | 3.5   | <0.1  | <0.05 | 4     | 0.6   | <0.2  |
| 11MS0217 | Soil                             | 14    | 28    | 1.14  | 226   | 0.065 | 3     | 1.52  | 0.024 | 0.06  | 0.1   | 0.05  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0218 | Soil                             | 10    | 23    | 0.83  | 235   | 0.038 | 4     | 1.19  | 0.015 | 0.04  | <0.1  | 0.05  | 2.8   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0219 | Soil                             | 18    | 31    | 1.51  | 227   | 0.084 | 2     | 2.00  | 0.017 | 0.08  | <0.1  | 0.03  | 5.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0220 | Soil                             | 13    | 22    | 1.17  | 257   | 0.063 | 2     | 1.68  | 0.016 | 0.06  | 0.1   | 0.04  | 3.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0221 | Soil                             | 12    | 25    | 1.07  | 267   | 0.063 | 4     | 1.58  | 0.017 | 0.06  | <0.1  | 0.04  | 3.9   | <0.1  | <0.05 | 6     | 1.1   | <0.2  |
| 11MS0222 | Soil                             | 14    | 21    | 0.44  | 411   | 0.051 | <1    | 1.33  | 0.014 | 0.09  | 0.2   | 0.02  | 4.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0223 | Soil                             | 16    | 55    | 1.00  | 236   | 0.077 | 1     | 2.93  | 0.015 | 0.07  | <0.1  | 0.03  | 5.0   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0224 | Soil                             | 6     | 81    | 1.59  | 286   | 0.107 | 1     | 2.30  | 0.021 | 0.09  | <0.1  | 0.01  | 8.3   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0225 | Soil                             | 13    | 41    | 0.51  | 167   | 0.072 | <1    | 1.76  | 0.011 | 0.04  | 0.1   | 0.04  | 4.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0226 | Soil                             | 19    | 58    | 0.92  | 175   | 0.054 | <1    | 2.18  | 0.010 | 0.05  | 0.1   | 0.03  | 6.1   | <0.1  | <0.05 | 7     | 0.8   | <0.2  |
| 11MS0227 | Soil                             | 24    | 40    | 1.07  | 415   | 0.096 | <1    | 2.14  | 0.011 | 0.23  | <0.1  | 0.01  | 12.8  | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0228 | Soil                             | 12    | 21    | 4.07  | 142   | 0.034 | 1     | 1.06  | 0.012 | 0.06  | 0.1   | 0.02  | 3.5   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11MS0229 | Soil                             | 14    | 28    | 1.60  | 198   | 0.043 | 1     | 1.74  | 0.016 | 0.05  | <0.1  | 0.05  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0230 | Soil                             | 14    | 28    | 1.01  | 253   | 0.040 | 1     | 1.54  | 0.014 | 0.03  | 0.1   | 0.06  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0231 | Soil                             | 10    | 23    | 1.81  | 254   | 0.037 | 2     | 1.59  | 0.014 | 0.03  | 0.1   | 0.05  | 2.7   | <0.1  | 0.06  | 5     | <0.5  | <0.2  |



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Project: Mariposa

Report Date: December 13, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001852.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|           |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
| 11MS0232  | Soil                             | 0.5   | 63.9  | 10.5  | 56    | 0.1   | 22.2  | 12.1  | 650   | 2.65  | 7.6   | 0.9   | 0.8   | 1.7   | 53    | 0.1   | 0.3   | 0.2   | 58    | 1.34  |
| 11MS0233  | Soil                             | 0.3   | 49.9  | 7.7   | 56    | 0.1   | 19.1  | 9.0   | 397   | 2.27  | 5.3   | 0.8   | 6.8   | 2.1   | 53    | 0.3   | 0.3   | 0.1   | 55    | 2.61  |
| 11MS0234  | Soil                             | 0.5   | 8.5   | 6.8   | 119   | <0.1  | 15.9  | 14.5  | 1309  | 5.27  | 6.3   | 0.7   | 2.3   | 8.0   | 28    | <0.1  | 0.4   | <0.1  | 74    | 0.88  |
| 11MS0235  | Soil                             | 0.5   | 8.4   | 6.6   | 118   | <0.1  | 16.4  | 14.6  | 1362  | 5.22  | 6.2   | 0.7   | 2.3   | 7.7   | 29    | <0.1  | 0.5   | <0.1  | 74    | 0.91  |
| 11MS0236  | Soil                             | 0.5   | 20.7  | 5.9   | 88    | <0.1  | 12.0  | 9.6   | 585   | 3.23  | 3.9   | 0.5   | 0.7   | 2.0   | 36    | 0.1   | 0.2   | <0.1  | 73    | 1.04  |
| 11MS0237  | Soil                             | 0.5   | 24.7  | 6.3   | 93    | <0.1  | 12.3  | 10.1  | 619   | 3.30  | 4.1   | 0.5   | 1.0   | 2.1   | 38    | 0.1   | 0.2   | 0.1   | 79    | 1.13  |
| 11MS0238  | Soil                             | 0.4   | 9.6   | 5.9   | 96    | <0.1  | 10.8  | 11.8  | 725   | 3.50  | 4.2   | 0.5   | 2.3   | 3.1   | 38    | 0.1   | 0.2   | <0.1  | 76    | 0.89  |
| 11MS0239  | Soil                             | 0.5   | 10.0  | 5.8   | 96    | <0.1  | 10.1  | 11.6  | 725   | 3.49  | 4.1   | 0.5   | 0.7   | 3.0   | 37    | 0.1   | 0.2   | <0.1  | 75    | 0.86  |
| 11MS0240  | Soil                             | 0.4   | 14.0  | 7.0   | 80    | <0.1  | 13.9  | 11.2  | 722   | 3.12  | 4.4   | 0.8   | 13.3  | 3.2   | 42    | 0.2   | 0.3   | <0.1  | 64    | 0.96  |
| 11MS0241  | Soil                             | 0.4   | 14.2  | 7.0   | 80    | <0.1  | 13.8  | 11.3  | 733   | 3.14  | 4.5   | 0.8   | 20.7  | 3.1   | 45    | 0.2   | 0.3   | <0.1  | 64    | 0.96  |
| 11MS0242  | Soil                             | 0.4   | 14.5  | 7.1   | 90    | <0.1  | 22.4  | 12.5  | 768   | 3.42  | 4.2   | 0.9   | 7.4   | 3.2   | 50    | 0.1   | 0.4   | <0.1  | 66    | 1.13  |
| 11MS0243  | Soil                             | 0.4   | 14.4  | 7.7   | 92    | <0.1  | 24.5  | 13.4  | 758   | 3.69  | 4.5   | 0.9   | 9.8   | 3.5   | 52    | 0.1   | 0.4   | 0.1   | 67    | 1.13  |
| 11MS0244  | Soil                             | 0.6   | 16.3  | 4.9   | 37    | <0.1  | 8.3   | 2.8   | 191   | 0.81  | 1.5   | 0.6   | <0.5  | 0.4   | 88    | 0.1   | 0.1   | <0.1  | 27    | 10.11 |
| 11MS0245  | Soil                             | 0.1   | 11.4  | 4.0   | 25    | <0.1  | 5.2   | 2.0   | 422   | 0.63  | 1.1   | 0.3   | <0.5  | 0.7   | 48    | 0.2   | <0.1  | <0.1  | 12    | 5.26  |
| 11MS0246  | Soil                             | 0.3   | 5.9   | 3.8   | 15    | <0.1  | 9.9   | 2.3   | 162   | 0.59  | 1.1   | 0.3   | <0.5  | 0.5   | 89    | 0.3   | 0.1   | <0.1  | 25    | 12.46 |
| 11MS0247  | Soil                             | 0.3   | 33.1  | 7.0   | 54    | 0.1   | 21.6  | 8.8   | 306   | 2.30  | 4.0   | 0.4   | 2.5   | 2.3   | 40    | 0.2   | 0.4   | 0.1   | 52    | 2.79  |
| 11MS0248  | Soil                             | 0.3   | 35.8  | 6.6   | 63    | <0.1  | 18.9  | 9.4   | 503   | 2.60  | 3.8   | 0.6   | 2.5   | 2.1   | 36    | 0.2   | 0.4   | <0.1  | 58    | 2.07  |
| 11MS0249  | Soil                             | 0.8   | 13.6  | 6.1   | 65    | <0.1  | 16.4  | 9.9   | 365   | 3.35  | 6.2   | 0.5   | 7.9   | 3.3   | 28    | <0.1  | 0.4   | 0.1   | 80    | 0.45  |
| 11MS0250  | Soil                             | 0.5   | 10.2  | 6.5   | 58    | <0.1  | 12.6  | 11.4  | 436   | 3.61  | 6.1   | 0.7   | 1.5   | 4.4   | 18    | <0.1  | 0.7   | <0.1  | 84    | 0.30  |
| 11MS0251  | Soil                             | 0.7   | 14.7  | 7.3   | 52    | <0.1  | 14.0  | 7.5   | 310   | 2.70  | 6.9   | 0.7   | 4.7   | 3.7   | 22    | <0.1  | 0.5   | 0.1   | 65    | 0.29  |
| 11MS0252  | Soil                             | 0.7   | 16.4  | 4.6   | 104   | <0.1  | 19.1  | 17.4  | 887   | 4.39  | 6.9   | 0.6   | 1.9   | 3.4   | 28    | 0.1   | 0.6   | <0.1  | 91    | 0.44  |
| 11MS0253  | Soil                             | 0.6   | 10.6  | 7.1   | 49    | <0.1  | 11.5  | 6.0   | 211   | 2.52  | 5.3   | 0.6   | 4.2   | 2.3   | 20    | <0.1  | 0.3   | 0.1   | 64    | 0.24  |
| 11MS0254  | Soil                             | 0.9   | 8.7   | 6.6   | 87    | <0.1  | 12.8  | 13.8  | 797   | 3.97  | 6.6   | 0.5   | 4.0   | 2.7   | 23    | <0.1  | 0.3   | 0.1   | 93    | 0.31  |
| 11MS0255  | Soil                             | 0.4   | 11.5  | 5.5   | 91    | <0.1  | 16.4  | 11.1  | 643   | 3.47  | 3.5   | 0.7   | 12.9  | 3.0   | 34    | 0.1   | 0.2   | <0.1  | 73    | 0.64  |
| 11MS0256  | Soil                             | 0.4   | 6.5   | 5.1   | 104   | <0.1  | 11.3  | 11.6  | 826   | 3.65  | 2.9   | 0.7   | 7.8   | 2.7   | 43    | 0.1   | 0.3   | <0.1  | 71    | 0.85  |
| 11MS0256B | Soil                             | 0.1   | 15.5  | 4.3   | 43    | <0.1  | 12.0  | 4.3   | 326   | 1.20  | <0.5  | 0.5   | <0.5  | 1.1   | 88    | 0.3   | <0.1  | <0.1  | 38    | 8.22  |
| 11MS0257  | Soil                             | <0.1  | 16.0  | 1.8   | 59    | <0.1  | 9.3   | 3.4   | 331   | 1.22  | <0.5  | 0.6   | <0.5  | 0.9   | 33    | <0.1  | <0.1  | <0.1  | 39    | 4.05  |
| 11MS0258  | Soil                             | 0.3   | 35.3  | 5.5   | 61    | <0.1  | 15.3  | 7.6   | 419   | 2.22  | 3.5   | 0.6   | 1.9   | 2.2   | 51    | <0.1  | 0.3   | <0.1  | 57    | 3.70  |
| 11MS0259  | Soil                             | 0.3   | 21.9  | 5.1   | 36    | <0.1  | 13.7  | 6.6   | 429   | 1.63  | <0.5  | 0.7   | 2.0   | 1.1   | 45    | 0.2   | 0.2   | <0.1  | 42    | 5.32  |
| 11MS0260  | Soil                             | 0.5   | 112.8 | 8.2   | 67    | 0.2   | 20.0  | 8.7   | 706   | 3.16  | 3.6   | 0.9   | 8.5   | 3.0   | 40    | 0.2   | 1.6   | <0.1  | 71    | 2.62  |



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Report Date: December 13, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001852.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|           |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|           |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0232  | Soil                             | 14    | 33    | 0.98  | 232   | 0.044 | 1     | 1.73  | 0.016 | 0.03  | 0.1   | 0.05  | 3.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0233  | Soil                             | 10    | 24    | 2.12  | 251   | 0.059 | 2     | 1.63  | 0.022 | 0.04  | 0.1   | 0.05  | 3.7   | <0.1  | 0.06  | 5     | <0.5  | <0.2  |
| 11MS0234  | Soil                             | 33    | 19    | 0.94  | 341   | 0.021 | 1     | 1.57  | 0.008 | 0.13  | <0.1  | 0.02  | 6.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0235  | Soil                             | 34    | 20    | 0.95  | 343   | 0.024 | 2     | 1.54  | 0.007 | 0.13  | <0.1  | 0.02  | 6.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0236  | Soil                             | 11    | 22    | 0.93  | 223   | 0.092 | <1    | 1.66  | 0.015 | 0.08  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0237  | Soil                             | 11    | 23    | 0.95  | 234   | 0.101 | 2     | 1.73  | 0.015 | 0.09  | <0.1  | 0.02  | 3.5   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0238  | Soil                             | 12    | 19    | 1.04  | 163   | 0.089 | <1    | 1.76  | 0.020 | 0.09  | <0.1  | 0.02  | 4.3   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0239  | Soil                             | 11    | 18    | 1.01  | 159   | 0.088 | <1    | 1.72  | 0.020 | 0.09  | <0.1  | 0.01  | 4.1   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0240  | Soil                             | 21    | 20    | 0.72  | 575   | 0.050 | 1     | 1.54  | 0.017 | 0.07  | 0.1   | 0.03  | 5.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0241  | Soil                             | 21    | 20    | 0.72  | 587   | 0.053 | 1     | 1.56  | 0.017 | 0.08  | 0.1   | 0.04  | 5.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0242  | Soil                             | 21    | 23    | 0.73  | 518   | 0.037 | 1     | 1.51  | 0.016 | 0.09  | 0.1   | 0.05  | 7.5   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0243  | Soil                             | 23    | 25    | 0.76  | 538   | 0.039 | 2     | 1.60  | 0.016 | 0.09  | 0.1   | 0.05  | 8.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0244  | Soil                             | 9     | 26    | 7.84  | 77    | 0.019 | 2     | 1.09  | 0.007 | 0.02  | <0.1  | 0.04  | 1.8   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |
| 11MS0245  | Soil                             | 6     | 7     | 5.56  | 48    | 0.018 | 1     | 1.14  | 0.005 | 0.01  | <0.1  | 0.02  | 1.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0246  | Soil                             | 4     | 58    | 8.56  | 64    | 0.030 | <1    | 0.84  | 0.010 | 0.02  | <0.1  | 0.01  | 1.0   | <0.1  | <0.05 | 2     | <0.5  | <0.2  |
| 11MS0247  | Soil                             | 12    | 28    | 2.13  | 169   | 0.057 | 2     | 1.68  | 0.022 | 0.05  | 0.1   | 0.06  | 3.6   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0248  | Soil                             | 11    | 26    | 2.45  | 182   | 0.062 | 2     | 2.12  | 0.021 | 0.06  | 0.1   | 0.04  | 4.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0249  | Soil                             | 15    | 28    | 0.73  | 170   | 0.063 | <1    | 2.12  | 0.017 | 0.05  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0250  | Soil                             | 14    | 20    | 0.47  | 171   | 0.026 | <1    | 1.86  | 0.008 | 0.04  | 0.2   | 0.02  | 6.2   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0251  | Soil                             | 16    | 27    | 0.50  | 249   | 0.060 | 1     | 1.83  | 0.013 | 0.05  | 0.2   | 0.03  | 4.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0252  | Soil                             | 10    | 31    | 1.01  | 179   | 0.054 | <1    | 2.65  | 0.016 | 0.09  | <0.1  | 0.01  | 5.5   | <0.1  | <0.05 | 10    | 0.5   | <0.2  |
| 11MS0253  | Soil                             | 13    | 24    | 0.46  | 175   | 0.063 | 1     | 1.81  | 0.009 | 0.06  | 0.1   | 0.04  | 3.4   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0254  | Soil                             | 11    | 23    | 0.81  | 167   | 0.080 | <1    | 2.21  | 0.013 | 0.09  | 0.1   | 0.02  | 4.5   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0255  | Soil                             | 16    | 23    | 0.92  | 333   | 0.077 | <1    | 1.97  | 0.016 | 0.10  | 0.1   | 0.02  | 4.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0256  | Soil                             | 13    | 16    | 0.80  | 547   | 0.042 | 1     | 1.74  | 0.014 | 0.11  | 0.2   | 0.03  | 4.9   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0256B | Soil                             | 6     | 29    | 6.96  | 115   | 0.071 | <1    | 2.03  | 0.011 | 0.03  | <0.1  | 0.02  | 2.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0257  | Soil                             | 5     | 15    | 4.57  | 50    | 0.046 | 4     | 1.58  | 0.011 | 0.02  | <0.1  | 0.01  | 1.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0258  | Soil                             | 10    | 20    | 2.63  | 174   | 0.063 | 3     | 1.97  | 0.025 | 0.09  | 0.1   | 0.03  | 3.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0259  | Soil                             | 9     | 24    | 4.30  | 188   | 0.051 | 3     | 1.77  | 0.016 | 0.04  | 0.1   | 0.03  | 2.9   | 0.1   | <0.05 | 5     | 0.8   | <0.2  |
| 11MS0260  | Soil                             | 21    | 33    | 3.28  | 238   | 0.037 | 1     | 2.71  | 0.012 | 0.11  | 0.1   | 0.02  | 7.8   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |



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Client: **Pacific Ridge Exploration Ltd.**  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5 Canada

Project: Mariposa  
Report Date: December 13, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001852.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
| 11MS0261 | Soil                             | 0.6   | 113.8 | 7.7   | 67    | 0.1   | 20.3  | 9.4   | 698   | 3.19  | 3.9   | 0.9   | 2.5   | 2.7   | 42    | 0.2   | 1.5   | <0.1  | 72    | 2.88  |
| 11MS0262 | Soil                             | 0.2   | 66.1  | 3.4   | 37    | <0.1  | 17.3  | 5.9   | 502   | 1.71  | <0.5  | 1.3   | 0.9   | 1.1   | 75    | 0.1   | 0.1   | <0.1  | 45    | 9.84  |
| 11MS0263 | Soil                             | 0.4   | 14.4  | 6.3   | 41    | 0.1   | 15.2  | 5.1   | 278   | 1.48  | <0.5  | 0.5   | 1.6   | 1.3   | 75    | 0.2   | 0.3   | <0.1  | 35    | 8.74  |
| 11MS0264 | Soil                             | 0.1   | 40.4  | 3.7   | 53    | <0.1  | 20.9  | 6.9   | 452   | 1.86  | <0.5  | 0.6   | 5.6   | 1.4   | 54    | 0.2   | 0.1   | <0.1  | 52    | 6.12  |
| 11MS0265 | Soil                             | 0.3   | 27.4  | 9.1   | 51    | 0.1   | 21.3  | 9.2   | 443   | 2.28  | 3.9   | 0.8   | 5.3   | 2.3   | 30    | 0.2   | 0.3   | 0.1   | 58    | 1.33  |
| 11MS0266 | Soil                             | 0.3   | 35.1  | 7.7   | 44    | 0.1   | 24.5  | 9.7   | 428   | 2.36  | 5.7   | 0.8   | 4.1   | 2.0   | 39    | 0.2   | 0.4   | 0.1   | 58    | 1.99  |
| 11MS0267 | Soil                             | 0.5   | 34.3  | 8.6   | 52    | 0.1   | 33.8  | 11.7  | 422   | 2.68  | 7.9   | 0.7   | 2.7   | 3.3   | 28    | <0.1  | 0.4   | 0.1   | 61    | 0.81  |
| 11MS0268 | Soil                             | 0.2   | 46.7  | 3.9   | 97    | <0.1  | 214.1 | 31.8  | 592   | 6.03  | <0.5  | 0.9   | 3.0   | 2.9   | 20    | <0.1  | <0.1  | <0.1  | 157   | 1.03  |
| 11MS0269 | Soil                             | 0.5   | 72.1  | 7.7   | 48    | <0.1  | 22.6  | 10.7  | 466   | 2.61  | 6.2   | 1.0   | 1.0   | 2.7   | 28    | 0.1   | 0.3   | 0.1   | 68    | 0.87  |
| 11MS0270 | Soil                             | 0.2   | 97.1  | 5.7   | 56    | <0.1  | 14.9  | 7.3   | 460   | 2.31  | 2.3   | 0.7   | 1.8   | 1.9   | 41    | 0.1   | 0.1   | <0.1  | 53    | 2.18  |
| 11MS0271 | Soil                             | 0.2   | 67.3  | 4.9   | 41    | <0.1  | 14.6  | 7.0   | 299   | 1.93  | 2.5   | 0.6   | 3.8   | 2.3   | 45    | 0.1   | 0.2   | <0.1  | 48    | 3.45  |
| 11MS0272 | Soil                             | 0.3   | 56.6  | 7.4   | 56    | 0.1   | 24.4  | 10.5  | 434   | 2.49  | 5.4   | 0.6   | 6.2   | 3.0   | 34    | 0.1   | 0.5   | 0.1   | 58    | 1.31  |
| 11MS0273 | Soil                             | 0.4   | 40.8  | 6.8   | 57    | 0.1   | 26.0  | 10.3  | 369   | 2.59  | 6.2   | 0.7   | 11.5  | 3.7   | 32    | 0.2   | 0.5   | 0.1   | 63    | 0.76  |
| 11MS0274 | Soil                             | 0.3   | 65.6  | 6.1   | 59    | <0.1  | 28.6  | 10.9  | 520   | 2.67  | 2.2   | 0.8   | 3.0   | 2.6   | 38    | 0.2   | 0.2   | <0.1  | 66    | 1.81  |
| 11MS0275 | Soil                             | 0.5   | 23.4  | 5.7   | 70    | <0.1  | 30.1  | 14.8  | 529   | 3.23  | 3.9   | 1.5   | 7.1   | 8.4   | 36    | 0.1   | 0.4   | <0.1  | 80    | 0.99  |
| 11MS0276 | Soil                             | 0.6   | 16.3  | 7.2   | 60    | <0.1  | 23.3  | 10.7  | 677   | 3.28  | 4.3   | 0.8   | 37.5  | 3.7   | 38    | <0.1  | 0.3   | <0.1  | 74    | 0.62  |
| 11MS0277 | Soil                             | 0.6   | 20.4  | 6.4   | 70    | <0.1  | 17.2  | 9.1   | 656   | 3.05  | 5.1   | 1.1   | 8.0   | 5.4   | 33    | <0.1  | 0.5   | <0.1  | 58    | 0.42  |
| 11MS0278 | Soil                             | 0.6   | 23.6  | 8.3   | 60    | <0.1  | 25.2  | 11.9  | 437   | 3.04  | 6.6   | 0.6   | 5.8   | 4.8   | 37    | <0.1  | 0.4   | 0.1   | 73    | 0.58  |
| 11MS0279 | Soil                             | 0.7   | 19.3  | 7.3   | 62    | 0.1   | 23.2  | 10.1  | 624   | 2.78  | 4.0   | 0.8   | 43.1  | 3.5   | 43    | 0.2   | 0.4   | <0.1  | 57    | 1.11  |
| 11MS0280 | Soil                             | 0.6   | 15.5  | 6.4   | 57    | <0.1  | 21.3  | 10.3  | 431   | 2.95  | 7.9   | 0.7   | 4.9   | 3.7   | 32    | <0.1  | 0.4   | 0.1   | 68    | 0.53  |
| 11MS0281 | Soil                             | 0.6   | 16.3  | 6.9   | 61    | <0.1  | 22.9  | 11.0  | 462   | 3.18  | 8.7   | 0.8   | 7.8   | 4.2   | 34    | <0.1  | 0.5   | <0.1  | 75    | 0.57  |
| 11MS0282 | Soil                             | 1.0   | 13.0  | 9.3   | 74    | <0.1  | 17.3  | 9.7   | 457   | 3.29  | 7.6   | 0.4   | 9.5   | 3.3   | 36    | 0.1   | 0.7   | 0.2   | 75    | 0.28  |
| 11MS0283 | Soil                             | 0.4   | 17.4  | 11.3  | 103   | <0.1  | 37.2  | 19.6  | 941   | 5.16  | 5.2   | 0.5   | 13.0  | 2.2   | 62    | <0.1  | 0.4   | 0.1   | 114   | 0.70  |
| 11MS0284 | Soil                             | 0.4   | 7.9   | 4.4   | 108   | <0.1  | 11.8  | 13.7  | 894   | 4.57  | 2.3   | 0.5   | <0.5  | 2.4   | 36    | 0.1   | 0.3   | <0.1  | 77    | 0.67  |
| 11MS0285 | Soil                             | 0.5   | 12.2  | 8.4   | 71    | <0.1  | 10.3  | 7.8   | 607   | 3.01  | 3.3   | 0.7   | 16.9  | 3.9   | 36    | 0.1   | 0.8   | 0.1   | 61    | 0.60  |
| 11MS0286 | Soil                             | 0.5   | 10.7  | 7.0   | 84    | <0.1  | 11.6  | 8.9   | 696   | 3.23  | 3.4   | 0.5   | 10.6  | 4.5   | 37    | <0.1  | 0.5   | <0.1  | 63    | 0.64  |
| 11MS0287 | Soil                             | 0.4   | 21.0  | 7.9   | 82    | <0.1  | 20.9  | 11.9  | 527   | 3.21  | 5.3   | 0.8   | 20.6  | 3.8   | 53    | 0.1   | 0.5   | 0.1   | 72    | 0.80  |
| 11MS0288 | Soil                             | 0.6   | 10.8  | 7.4   | 60    | <0.1  | 13.4  | 7.2   | 425   | 2.48  | 3.5   | 0.7   | 2.1   | 3.1   | 50    | 0.2   | 0.3   | 0.1   | 52    | 0.84  |
| 11MS0289 | Soil                             | 0.6   | 8.6   | 8.4   | 54    | <0.1  | 12.8  | 8.3   | 473   | 2.67  | 5.0   | 0.4   | 156.7 | 2.9   | 26    | 0.1   | 0.3   | 0.1   | 51    | 0.61  |
| 11MS0290 | Soil                             | 67.0  | 15.8  | 16.7  | 56    | 0.8   | 48.7  | 12.9  | 358   | 3.34  | 6.6   | 0.8   | 33.6  | 5.5   | 26    | <0.1  | 0.4   | 0.5   | 78    | 0.34  |



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## CERTIFICATE OF ANALYSIS

WHI11001852.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0261 | Soil                             | 18    | 34    | 3.49  | 229   | 0.041 | 2     | 2.76  | 0.011 | 0.11  | <0.1  | 0.02  | 7.3   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0262 | Soil                             | 8     | 29    | 6.49  | 115   | 0.061 | <1    | 1.69  | 0.009 | 0.04  | <0.1  | 0.02  | 2.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0263 | Soil                             | 8     | 33    | 6.01  | 125   | 0.029 | 1     | 1.40  | 0.015 | 0.07  | <0.1  | 0.03  | 2.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0264 | Soil                             | 8     | 36    | 5.71  | 218   | 0.078 | 2     | 2.03  | 0.017 | 0.06  | <0.1  | 0.02  | 2.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0265 | Soil                             | 15    | 32    | 1.36  | 479   | 0.064 | 2     | 1.86  | 0.019 | 0.05  | 0.1   | 0.05  | 3.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0266 | Soil                             | 14    | 34    | 1.42  | 487   | 0.066 | 2     | 1.48  | 0.023 | 0.09  | 0.1   | 0.07  | 3.8   | 0.1   | <0.05 | 5     | 0.5   | <0.2  |
| 11MS0267 | Soil                             | 16    | 50    | 0.96  | 326   | 0.080 | 1     | 1.61  | 0.024 | 0.07  | 0.1   | 0.06  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0268 | Soil                             | 11    | 671   | 7.08  | 463   | 0.153 | <1    | 4.92  | 0.006 | 0.40  | <0.1  | <0.01 | 14.8  | <0.1  | <0.05 | 16    | <0.5  | <0.2  |
| 11MS0269 | Soil                             | 13    | 25    | 1.17  | 449   | 0.081 | 2     | 1.87  | 0.022 | 0.08  | 0.1   | 0.02  | 3.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0270 | Soil                             | 11    | 21    | 3.96  | 230   | 0.109 | 2     | 1.97  | 0.017 | 0.14  | <0.1  | 0.02  | 2.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0271 | Soil                             | 10    | 21    | 2.80  | 161   | 0.072 | 2     | 1.37  | 0.023 | 0.06  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 11MS0272 | Soil                             | 14    | 30    | 1.24  | 294   | 0.078 | 2     | 1.66  | 0.026 | 0.07  | 0.1   | 0.04  | 3.8   | <0.1  | <0.05 | 5     | 0.6   | <0.2  |
| 11MS0273 | Soil                             | 15    | 29    | 0.84  | 270   | 0.104 | 3     | 1.61  | 0.033 | 0.11  | 0.2   | 0.04  | 4.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 11MS0274 | Soil                             | 13    | 38    | 3.63  | 230   | 0.127 | 2     | 2.48  | 0.026 | 0.17  | <0.1  | 0.02  | 4.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0275 | Soil                             | 37    | 40    | 1.37  | 432   | 0.069 | 1     | 2.24  | 0.016 | 0.10  | 0.1   | 0.04  | 7.0   | <0.1  | <0.05 | 9     | 0.5   | <0.2  |
| 11MS0276 | Soil                             | 16    | 34    | 0.84  | 378   | 0.056 | 1     | 2.16  | 0.018 | 0.13  | <0.1  | 0.02  | 5.0   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0277 | Soil                             | 17    | 24    | 0.73  | 263   | 0.035 | 1     | 1.80  | 0.014 | 0.06  | <0.1  | 0.03  | 5.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0278 | Soil                             | 20    | 35    | 0.87  | 365   | 0.079 | 2     | 1.98  | 0.027 | 0.08  | 0.1   | 0.03  | 5.7   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0279 | Soil                             | 27    | 28    | 0.64  | 591   | 0.038 | 2     | 1.69  | 0.020 | 0.11  | <0.1  | 0.03  | 4.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0280 | Soil                             | 24    | 29    | 0.70  | 399   | 0.066 | 2     | 1.86  | 0.023 | 0.07  | 0.1   | 0.03  | 5.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0281 | Soil                             | 25    | 33    | 0.74  | 456   | 0.072 | 2     | 2.04  | 0.022 | 0.08  | 0.1   | 0.03  | 6.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0282 | Soil                             | 10    | 32    | 0.69  | 313   | 0.068 | 2     | 2.08  | 0.011 | 0.05  | 0.1   | 0.01  | 3.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0283 | Soil                             | 10    | 53    | 1.87  | 330   | 0.051 | 2     | 3.33  | 0.015 | 0.05  | <0.1  | 0.02  | 9.3   | <0.1  | <0.05 | 13    | <0.5  | <0.2  |
| 11MS0284 | Soil                             | 10    | 13    | 1.16  | 451   | 0.054 | 3     | 2.36  | 0.010 | 0.22  | <0.1  | 0.01  | 5.3   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 11MS0285 | Soil                             | 29    | 17    | 0.54  | 377   | 0.042 | 2     | 1.69  | 0.014 | 0.10  | 0.2   | 0.03  | 4.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 11MS0286 | Soil                             | 18    | 19    | 0.72  | 314   | 0.055 | 2     | 1.82  | 0.014 | 0.11  | 0.1   | 0.02  | 4.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0287 | Soil                             | 19    | 30    | 1.09  | 262   | 0.119 | 3     | 2.24  | 0.023 | 0.08  | 0.2   | 0.04  | 5.6   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0288 | Soil                             | 30    | 24    | 0.71  | 314   | 0.042 | 2     | 2.05  | 0.013 | 0.10  | <0.1  | 0.04  | 4.0   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11MS0289 | Soil                             | 9     | 21    | 0.62  | 274   | 0.036 | 1     | 1.73  | 0.015 | 0.11  | <0.1  | 0.02  | 3.3   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 11MS0290 | Soil                             | 26    | 62    | 1.01  | 301   | 0.060 | 2     | 2.17  | 0.013 | 0.07  | 0.1   | 0.03  | 5.8   | <0.1  | <0.05 | 7     | <0.5  | 2.5   |



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Project: Mariposa  
Report Date: December 13, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001852.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 11MS0291 | Soil                             | 0.7   | 17.3  | 5.1   | 67    | <0.1  | 86.9  | 32.3  | 579   | 6.38  | 4.0   | 0.7   | 0.5   | 6.2   | 53    | <0.1  | 0.1   | 0.1   | 157   | 0.62  | 0.179 |
| 11MS0292 | Soil                             | 0.5   | 12.5  | 5.9   | 63    | <0.1  | 27.5  | 20.7  | 378   | 4.42  | 4.7   | 0.5   | 1.8   | 5.2   | 28    | <0.1  | 0.2   | <0.1  | 127   | 0.68  | 0.065 |
| 11MS0293 | Soil                             | 0.3   | 15.2  | 6.0   | 71    | <0.1  | 31.0  | 19.0  | 605   | 3.94  | 5.1   | 0.7   | 5.8   | 4.8   | 38    | <0.1  | 0.3   | 0.1   | 105   | 0.66  | 0.092 |
| 11MS0294 | Soil                             | 0.3   | 11.2  | 3.6   | 62    | <0.1  | 22.3  | 24.0  | 596   | 3.60  | 4.1   | 0.8   | 6.1   | 4.0   | 29    | <0.1  | 0.2   | <0.1  | 122   | 0.73  | 0.070 |
| 11MS0295 | Soil                             | 0.4   | 27.2  | 6.3   | 56    | <0.1  | 19.7  | 15.1  | 777   | 2.91  | 4.6   | 2.1   | 29.2  | 4.7   | 42    | 0.2   | 0.4   | 0.1   | 69    | 1.42  | 0.076 |
| 11MS0296 | Soil                             | 0.2   | 25.3  | 6.8   | 52    | <0.1  | 21.3  | 12.4  | 260   | 2.91  | 4.5   | 1.3   | 12.8  | 2.9   | 52    | 0.3   | 0.4   | <0.1  | 68    | 2.27  | 0.085 |
| 11MS0297 | Soil                             | 0.2   | 15.0  | 5.1   | 29    | <0.1  | 14.0  | 5.8   | 252   | 1.57  | 1.8   | 0.6   | 0.6   | 2.0   | 71    | 0.3   | 0.1   | <0.1  | 40    | 6.47  | 0.060 |



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|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11MS0291 | Soil                             | 29    | 147   | 4.87  | 341   | 0.272 | 2     | 3.85  | 0.012 | 0.42  | <0.1  | 0.01  | 15.6  | <0.1  | <0.05 | 19    | <0.5  | <0.2  |
| 11MS0292 | Soil                             | 19    | 41    | 2.79  | 286   | 0.232 | 2     | 2.99  | 0.018 | 0.32  | <0.1  | 0.02  | 13.9  | 0.1   | <0.05 | 13    | <0.5  | <0.2  |
| 11MS0293 | Soil                             | 19    | 54    | 2.37  | 302   | 0.140 | 1     | 2.53  | 0.018 | 0.14  | 0.1   | 0.03  | 9.0   | <0.1  | <0.05 | 10    | <0.5  | <0.2  |
| 11MS0294 | Soil                             | 18    | 31    | 2.97  | 147   | 0.176 | 2     | 2.52  | 0.013 | 0.15  | <0.1  | 0.02  | 11.7  | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| 11MS0295 | Soil                             | 39    | 27    | 1.46  | 317   | 0.073 | 3     | 1.82  | 0.017 | 0.10  | 0.1   | 0.05  | 9.8   | <0.1  | <0.05 | 8     | 0.6   | <0.2  |
| 11MS0296 | Soil                             | 20    | 30    | 2.04  | 336   | 0.079 | 3     | 1.67  | 0.020 | 0.13  | 0.2   | 0.05  | 7.3   | <0.1  | 0.06  | 6     | 0.6   | <0.2  |
| 11MS0297 | Soil                             | 10    | 23    | 4.67  | 101   | 0.099 | 2     | 1.30  | 0.019 | 0.10  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |



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Project: Mariposa  
Report Date: December 13, 2011

Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11001852.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11MS0142            | Soil                             | 1.9   | 38.5  | 7.9   | 45    | <0.1  | 26.9  | 11.0  | 317   | 2.80  | 6.4   | 0.6   | 1.5   | 2.9   | 26    | <0.1  | 0.3   | 0.2   | 63    | 0.26  | 0.020  |
| REP 11MS0142        | QC                               | 2.1   | 41.0  | 8.3   | 44    | 0.1   | 26.7  | 11.6  | 332   | 2.84  | 6.3   | 0.6   | 1.2   | 3.2   | 26    | <0.1  | 0.4   | 0.1   | 66    | 0.29  | 0.019  |
| 11MS0159            | Soil                             | 1.7   | 24.8  | 5.9   | 53    | <0.1  | 20.0  | 7.3   | 609   | 1.70  | 2.9   | 0.9   | 5.9   | 0.6   | 63    | 0.3   | 0.4   | 0.1   | 31    | 3.06  | 0.082  |
| REP 11MS0159        | QC                               | 2.0   | 25.2  | 5.9   | 54    | <0.1  | 20.0  | 7.4   | 595   | 1.71  | 2.9   | 0.9   | 4.4   | 0.6   | 64    | 0.3   | 0.3   | 0.1   | 33    | 3.18  | 0.084  |
| 11MS0180            | Soil                             | 0.3   | 10.9  | 3.0   | 54    | <0.1  | 8.5   | 7.9   | 659   | 2.46  | 1.2   | 0.4   | 1.3   | 2.2   | 89    | <0.1  | 0.1   | <0.1  | 63    | 0.98  | 0.165  |
| REP 11MS0180        | QC                               | 0.2   | 11.0  | 3.0   | 55    | <0.1  | 8.2   | 7.8   | 669   | 2.42  | 1.4   | 0.4   | 1.5   | 2.2   | 92    | 0.1   | 0.1   | <0.1  | 64    | 1.01  | 0.158  |
| 11MS0195            | Soil                             | 1.0   | 9.1   | 7.0   | 55    | 0.1   | 11.2  | 7.4   | 329   | 2.94  | 5.8   | 0.3   | 1.2   | 2.2   | 37    | 0.1   | 0.3   | 0.1   | 77    | 0.29  | 0.081  |
| REP 11MS0195        | QC                               | 0.9   | 9.2   | 7.1   | 53    | <0.1  | 11.0  | 7.3   | 324   | 2.87  | 5.7   | 0.3   | 1.4   | 2.2   | 35    | 0.2   | 0.3   | 0.1   | 76    | 0.28  | 0.078  |
| 11MS0212            | Soil                             | 1.3   | 57.7  | 8.5   | 97    | <0.1  | 14.8  | 11.4  | 719   | 4.28  | 6.0   | 0.6   | 3.0   | 4.2   | 15    | <0.1  | 0.2   | <0.1  | 88    | 0.21  | 0.078  |
| REP 11MS0212        | QC                               | 1.1   | 57.3  | 8.5   | 97    | <0.1  | 14.9  | 11.3  | 693   | 4.25  | 6.1   | 0.5   | 3.8   | 4.2   | 16    | 0.1   | 0.2   | <0.1  | 86    | 0.21  | 0.078  |
| 11MS0236            | Soil                             | 0.5   | 20.7  | 5.9   | 88    | <0.1  | 12.0  | 9.6   | 585   | 3.23  | 3.9   | 0.5   | 0.7   | 2.0   | 36    | 0.1   | 0.2   | <0.1  | 73    | 1.04  | 0.114  |
| REP 11MS0236        | QC                               | 0.5   | 21.5  | 6.1   | 90    | <0.1  | 12.4  | 10.1  | 612   | 3.33  | 4.2   | 0.5   | 0.6   | 2.0   | 39    | 0.2   | 0.2   | <0.1  | 79    | 1.09  | 0.112  |
| 11MS0252            | Soil                             | 0.7   | 16.4  | 4.6   | 104   | <0.1  | 19.1  | 17.4  | 887   | 4.39  | 6.9   | 0.6   | 1.9   | 3.4   | 28    | 0.1   | 0.6   | <0.1  | 91    | 0.44  | 0.138  |
| REP 11MS0252        | QC                               | 0.6   | 15.9  | 5.0   | 107   | <0.1  | 18.8  | 17.5  | 879   | 4.44  | 6.9   | 0.6   | 1.5   | 3.5   | 29    | <0.1  | 0.5   | <0.1  | 93    | 0.45  | 0.141  |
| 11MS0271            | Soil                             | 0.2   | 67.3  | 4.9   | 41    | <0.1  | 14.6  | 7.0   | 299   | 1.93  | 2.5   | 0.6   | 3.8   | 2.3   | 45    | 0.1   | 0.2   | <0.1  | 48    | 3.45  | 0.069  |
| REP 11MS0271        | QC                               | 0.2   | 64.7  | 4.4   | 41    | <0.1  | 14.4  | 6.7   | 288   | 1.87  | 2.0   | 0.6   | 2.0   | 2.2   | 42    | 0.2   | 0.2   | <0.1  | 48    | 3.38  | 0.071  |
| 11MS0285            | Soil                             | 0.5   | 12.2  | 8.4   | 71    | <0.1  | 10.3  | 7.8   | 607   | 3.01  | 3.3   | 0.7   | 16.9  | 3.9   | 36    | 0.1   | 0.8   | 0.1   | 61    | 0.60  | 0.125  |
| REP 11MS0285        | QC                               | 0.5   | 11.7  | 8.3   | 71    | <0.1  | 10.0  | 7.6   | 599   | 3.02  | 3.6   | 0.7   | 12.1  | 3.7   | 35    | 0.1   | 0.8   | 0.1   | 60    | 0.62  | 0.120  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 12.8  | 107.4 | 123.2 | 301   | 1.8   | 36.4  | 7.6   | 600   | 2.42  | 25.7  | 3.1   | 114.8 | 7.2   | 70    | 2.3   | 5.7   | 7.4   | 42    | 0.68  | 0.074  |
| STD DS8             | Standard                         | 13.4  | 115.3 | 130.6 | 310   | 1.9   | 39.8  | 7.8   | 626   | 2.52  | 26.6  | 2.8   | 108.8 | 6.9   | 67    | 2.6   | 5.4   | 6.5   | 44    | 0.72  | 0.082  |
| STD DS8             | Standard                         | 14.5  | 120.2 | 138.3 | 323   | 1.8   | 38.8  | 7.8   | 642   | 2.54  | 26.5  | 3.2   | 109.7 | 8.0   | 79    | 2.5   | 6.1   | 6.8   | 45    | 0.72  | 0.080  |
| STD DS8             | Standard                         | 12.2  | 97.0  | 119.6 | 281   | 1.7   | 34.5  | 6.6   | 553   | 2.23  | 23.7  | 2.7   | 99.9  | 6.5   | 65    | 2.2   | 5.4   | 6.6   | 38    | 0.63  | 0.069  |
| STD DS8             | Standard                         | 14.2  | 110.7 | 132.7 | 316   | 1.8   | 40.1  | 8.0   | 631   | 2.51  | 26.7  | 3.0   | 110.8 | 7.4   | 73    | 2.3   | 5.7   | 6.4   | 45    | 0.72  | 0.080  |
| STD DS8             | Standard                         | 13.1  | 109.5 | 125.3 | 315   | 1.8   | 38.4  | 7.7   | 646   | 2.39  | 25.9  | 2.8   | 108.6 | 6.6   | 70    | 2.1   | 5.3   | 6.2   | 43    | 0.71  | 0.075  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |





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Project: Mariposa

Report Date: December 13, 2011

Page: 1 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11001852.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11MS0142            | Soil                             | 10    | 34    | 0.61   | 194   | 0.062  | <1    | 1.88  | 0.011  | 0.09  | <0.1  | 0.01  | 3.7   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| REP 11MS0142        | QC                               | 11    | 36    | 0.62   | 203   | 0.068  | <1    | 1.89  | 0.012  | 0.09  | 0.1   | 0.01  | 3.9   | <0.1  | <0.05  | 5     | <0.5  | <0.2  |
| 11MS0159            | Soil                             | 7     | 20    | 0.55   | 302   | 0.023  | 3     | 0.83  | 0.012  | 0.03  | <0.1  | 0.04  | 1.8   | <0.1  | 0.09   | 3     | 1.8   | <0.2  |
| REP 11MS0159        | QC                               | 8     | 21    | 0.55   | 300   | 0.031  | 4     | 0.90  | 0.014  | 0.04  | <0.1  | 0.04  | 1.9   | <0.1  | 0.06   | 3     | 1.1   | <0.2  |
| 11MS0180            | Soil                             | 10    | 16    | 0.90   | 130   | 0.061  | <1    | 1.68  | 0.030  | 0.05  | <0.1  | <0.01 | 4.5   | <0.1  | <0.05  | 6     | 0.5   | <0.2  |
| REP 11MS0180        | QC                               | 10    | 17    | 0.92   | 135   | 0.061  | 2     | 1.74  | 0.031  | 0.05  | <0.1  | 0.01  | 4.7   | <0.1  | <0.05  | 7     | <0.5  | <0.2  |
| 11MS0195            | Soil                             | 7     | 27    | 0.55   | 98    | 0.077  | <1    | 2.02  | 0.025  | 0.05  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05  | 7     | 0.5   | <0.2  |
| REP 11MS0195        | QC                               | 6     | 28    | 0.53   | 96    | 0.071  | <1    | 1.94  | 0.020  | 0.05  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05  | 7     | 0.6   | <0.2  |
| 11MS0212            | Soil                             | 14    | 32    | 0.85   | 279   | 0.126  | 2     | 2.27  | 0.011  | 0.47  | <0.1  | 0.02  | 9.4   | <0.1  | <0.05  | 10    | <0.5  | <0.2  |
| REP 11MS0212        | QC                               | 14    | 31    | 0.85   | 277   | 0.129  | <1    | 2.30  | 0.012  | 0.46  | <0.1  | 0.01  | 9.6   | 0.1   | <0.05  | 10    | <0.5  | <0.2  |
| 11MS0236            | Soil                             | 11    | 22    | 0.93   | 223   | 0.092  | <1    | 1.66  | 0.015  | 0.08  | <0.1  | 0.02  | 3.2   | <0.1  | <0.05  | 8     | <0.5  | <0.2  |
| REP 11MS0236        | QC                               | 11    | 23    | 0.93   | 234   | 0.104  | 1     | 1.70  | 0.016  | 0.09  | <0.1  | 0.02  | 3.6   | <0.1  | <0.05  | 8     | <0.5  | <0.2  |
| 11MS0252            | Soil                             | 10    | 31    | 1.01   | 179   | 0.054  | <1    | 2.65  | 0.016  | 0.09  | <0.1  | 0.01  | 5.5   | <0.1  | <0.05  | 10    | 0.5   | <0.2  |
| REP 11MS0252        | QC                               | 10    | 31    | 1.01   | 178   | 0.059  | <1    | 2.76  | 0.018  | 0.09  | <0.1  | 0.01  | 5.8   | <0.1  | <0.05  | 10    | <0.5  | <0.2  |
| 11MS0271            | Soil                             | 10    | 21    | 2.80   | 161   | 0.072  | 2     | 1.37  | 0.023  | 0.06  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05  | 4     | <0.5  | <0.2  |
| REP 11MS0271        | QC                               | 10    | 21    | 2.65   | 157   | 0.073  | 1     | 1.33  | 0.023  | 0.06  | 0.1   | 0.02  | 2.7   | <0.1  | <0.05  | 4     | <0.5  | <0.2  |
| 11MS0285            | Soil                             | 29    | 17    | 0.54   | 377   | 0.042  | 2     | 1.69  | 0.014  | 0.10  | 0.2   | 0.03  | 4.8   | <0.1  | <0.05  | 7     | <0.5  | <0.2  |
| REP 11MS0285        | QC                               | 29    | 17    | 0.57   | 387   | 0.043  | 3     | 1.72  | 0.013  | 0.10  | 0.2   | 0.02  | 4.9   | <0.1  | <0.05  | 7     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 16    | 118   | 0.60   | 280   | 0.119  | 2     | 0.92  | 0.096  | 0.41  | 2.9   | 0.20  | 2.0   | 5.5   | 0.15   | 5     | 4.6   | 4.6   |
| STD DS8             | Standard                         | 16    | 121   | 0.65   | 295   | 0.116  | 3     | 1.01  | 0.112  | 0.44  | 3.1   | 0.20  | 2.7   | 5.8   | 0.16   | 5     | 5.8   | 5.6   |
| STD DS8             | Standard                         | 19    | 120   | 0.64   | 291   | 0.137  | 3     | 0.97  | 0.100  | 0.42  | 3.1   | 0.20  | 2.7   | 5.7   | 0.16   | 5     | 4.6   | 4.7   |
| STD DS8             | Standard                         | 14    | 105   | 0.57   | 257   | 0.106  | 2     | 0.85  | 0.084  | 0.38  | 2.8   | 0.20  | 2.4   | 4.8   | 0.12   | 4     | 4.6   | 4.5   |
| STD DS8             | Standard                         | 17    | 127   | 0.63   | 290   | 0.126  | 3     | 0.94  | 0.091  | 0.43  | 3.0   | 0.22  | 2.3   | 5.5   | 0.18   | 5     | 4.9   | 5.9   |
| STD DS8             | Standard                         | 16    | 122   | 0.60   | 274   | 0.118  | 2     | 0.94  | 0.111  | 0.43  | 3.0   | 0.20  | 2.6   | 5.2   | 0.17   | 4     | 6.2   | 4.3   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



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**Project:** Mariposa

**Report Date:** December 13, 2011

**Page:** 2 of 2 **Part** 1

## QUALITY CONTROL REPORT

WHI11001852.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|     |       | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|     |       | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|     |       | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | 0.01  | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK | Blank | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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**Project:** Mariposa

**Report Date:** December 13, 2011

**Page:** 2 of 2 **Part** 2

## QUALITY CONTROL REPORT

WHI11001852.1

|     |       | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | La    | Cr    | Mg    | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|     |       | ppm   | ppm   | %     | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|     |       | 1     | 1     | 0.01  | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |
| BLK | Blank | <1    | <1    | <0.01 | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2  |



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Submitted By: Janice Fingler

Receiving Lab: Canada-Whitehorse

Received: December 09, 2011

Report Date: January 03, 2012

Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001977.1

### CLIENT JOB INFORMATION

Project: Mariposa  
Shipment ID: 11MPS-06  
P.O. Number  
Number of Samples: 30

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
Canada

CC: Janice Fingler  
Katie Dodd  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| SS80        | 30                | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| Dry at 60C  | 30                | Dry at 60C                                 |              |               | WHI |
| RJSV        | 30                | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 30                | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa  
Report Date: January 03, 2012

Page: 2 of 2 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001977.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|          |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|          |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 11BH0455 | Soil                             | 1.0   | 30.2  | 15.4  | 117   | 0.1   | 11.2  | 13.1  | 464   | 3.97  | 3.1   | 0.4   | <0.5  | 1.9   | 30    | 0.3   | 0.2   | <0.1  | 83    | 0.36  | 0.044 |
| 11BH0456 | Soil                             | 1.9   | 35.1  | 39.7  | 160   | 0.2   | 16.7  | 13.3  | 519   | 3.66  | 4.4   | 0.5   | 16.9  | 3.2   | 35    | 0.3   | 0.3   | 0.3   | 82    | 0.35  | 0.040 |
| 11BH0457 | Soil                             | 1.3   | 28.8  | 20.6  | 147   | 0.3   | 14.3  | 16.6  | 644   | 5.13  | 5.1   | 0.7   | 2.4   | 3.3   | 28    | 0.2   | 0.2   | 0.2   | 105   | 0.38  | 0.036 |
| 11BH0458 | Soil                             | 2.1   | 27.7  | 16.9  | 69    | 0.6   | 13.5  | 7.1   | 540   | 2.13  | 7.1   | 0.6   | 2.4   | 6.5   | 25    | 0.4   | 0.3   | 1.1   | 39    | 0.18  | 0.022 |
| 11BH0459 | Soil                             | 2.8   | 38.1  | 30.2  | 158   | 0.3   | 15.6  | 11.7  | 580   | 3.41  | 5.0   | 0.6   | 31.0  | 3.2   | 36    | 0.4   | 0.3   | 0.3   | 69    | 0.34  | 0.042 |
| 11BH0460 | Soil                             | 1.4   | 22.5  | 11.2  | 87    | 0.2   | 14.3  | 9.3   | 496   | 3.66  | 5.7   | 0.5   | 0.8   | 3.4   | 21    | 0.1   | 0.3   | 0.4   | 75    | 0.20  | 0.026 |
| 11BH0461 | Soil                             | 3.5   | 30.6  | 20.7  | 70    | 0.3   | 9.8   | 6.3   | 305   | 2.94  | 4.0   | 0.7   | 7.1   | 9.4   | 114   | 0.2   | 0.4   | 0.3   | 28    | 0.20  | 0.021 |
| 11BH0462 | Soil                             | 2.8   | 7.4   | 16.5  | 33    | 0.1   | 5.8   | 2.8   | 263   | 1.38  | 2.2   | 0.4   | 10.1  | 1.2   | 56    | 0.2   | 0.1   | 0.2   | 22    | 0.13  | 0.026 |
| 11BH0463 | Soil                             | 2.5   | 39.2  | 29.9  | 162   | 0.3   | 15.8  | 13.0  | 603   | 3.60  | 4.9   | 0.7   | 58.8  | 3.0   | 34    | 0.3   | 0.3   | 0.3   | 71    | 0.32  | 0.042 |
| 11BH0464 | Soil                             | 2.3   | 38.2  | 28.5  | 190   | 0.2   | 16.0  | 13.4  | 681   | 3.56  | 4.6   | 0.6   | 18.3  | 3.3   | 36    | 0.5   | 0.3   | 0.2   | 75    | 0.36  | 0.039 |
| 11BH0465 | Soil                             | 3.1   | 25.6  | 19.0  | 66    | <0.1  | 29.4  | 11.3  | 338   | 3.03  | 7.9   | 0.7   | 99.5  | 5.2   | 29    | 0.1   | 0.5   | 0.3   | 57    | 0.27  | 0.024 |
| 11BH0466 | Soil                             | 2.7   | 69.0  | 31.2  | 115   | 0.1   | 9.2   | 7.7   | 450   | 3.47  | 3.3   | 0.7   | 9.4   | 7.2   | 29    | 0.4   | 0.3   | 1.0   | 31    | 0.13  | 0.031 |
| 11BH0467 | Soil                             | 1.8   | 49.1  | 17.0  | 84    | 1.0   | 17.9  | 10.6  | 420   | 3.23  | 8.2   | 1.3   | 20.0  | 6.5   | 36    | 0.2   | 0.5   | 0.5   | 59    | 0.17  | 0.035 |
| 11BH0468 | Soil                             | 2.8   | 103.0 | 24.0  | 69    | 1.0   | 19.9  | 10.1  | 445   | 3.20  | 7.9   | 2.4   | 17.1  | 8.4   | 22    | 0.1   | 0.4   | 0.7   | 60    | 0.26  | 0.041 |
| 11BH0469 | Soil                             | 2.2   | 44.0  | 31.6  | 134   | 0.4   | 14.4  | 12.8  | 496   | 3.44  | 5.1   | 0.7   | 73.6  | 2.9   | 24    | 0.4   | 0.3   | 0.4   | 68    | 0.28  | 0.048 |
| 11BH0470 | Soil                             | 0.6   | 81.7  | 8.8   | 144   | 0.2   | 15.0  | 21.8  | 1051  | 6.12  | 1.6   | 0.5   | 33.9  | 1.7   | 48    | 0.3   | 0.2   | 0.3   | 108   | 0.69  | 0.165 |
| 11BH0471 | Soil                             | 1.2   | 19.3  | 12.5  | 59    | 0.2   | 18.8  | 9.1   | 284   | 3.37  | 9.5   | 0.5   | 6.0   | 2.8   | 13    | 0.2   | 0.4   | 0.3   | 76    | 0.15  | 0.034 |
| 11BH0472 | Soil                             | 1.2   | 18.2  | 15.8  | 190   | 0.2   | 12.1  | 12.4  | 764   | 3.50  | 3.8   | 0.3   | 1.3   | 1.9   | 39    | 0.3   | 0.3   | 0.1   | 79    | 0.19  | 0.026 |
| 11BH0473 | Soil                             | 2.9   | 40.7  | 29.0  | 170   | 0.2   | 16.2  | 13.0  | 613   | 3.53  | 5.8   | 0.6   | 28.3  | 3.3   | 27    | 0.4   | 0.3   | 0.2   | 72    | 0.33  | 0.044 |
| 11BH0474 | Soil                             | 2.5   | 40.3  | 32.9  | 169   | 0.2   | 15.1  | 13.6  | 608   | 3.60  | 5.0   | 0.6   | 94.6  | 3.3   | 29    | 0.4   | 0.3   | 0.3   | 76    | 0.34  | 0.044 |
| 11BH0475 | Soil                             | 1.2   | 22.2  | 20.9  | 138   | <0.1  | 17.8  | 12.9  | 689   | 3.01  | 6.5   | 0.5   | 9.6   | 2.5   | 17    | 0.3   | 0.3   | 0.3   | 63    | 0.21  | 0.037 |
| 11BH0476 | Soil                             | 0.7   | 31.4  | 38.1  | 119   | <0.1  | 19.2  | 13.6  | 673   | 3.01  | 5.1   | 0.6   | 11.7  | 3.3   | 17    | 0.3   | 0.3   | 0.2   | 60    | 0.23  | 0.035 |
| 11BH0477 | Soil                             | 2.3   | 37.3  | 28.8  | 145   | 0.2   | 13.4  | 12.1  | 506   | 3.16  | 4.2   | 0.6   | 25.9  | 3.0   | 25    | 0.4   | 0.3   | 0.2   | 68    | 0.28  | 0.038 |
| 11BH0478 | Soil                             | 2.5   | 38.8  | 29.4  | 147   | 0.2   | 15.9  | 13.1  | 576   | 3.36  | 5.0   | 0.6   | 65.6  | 3.2   | 26    | 0.3   | 0.3   | 0.2   | 71    | 0.29  | 0.037 |
| 11BH0479 | Soil                             | 2.3   | 38.0  | 28.8  | 166   | 0.2   | 14.4  | 12.9  | 568   | 3.29  | 4.8   | 0.6   | 23.5  | 3.2   | 25    | 0.4   | 0.3   | 0.3   | 70    | 0.30  | 0.038 |
| 11BH0480 | Soil                             | 1.5   | 14.9  | 41.7  | 97    | 0.3   | 14.5  | 7.9   | 1119  | 2.74  | 6.5   | 0.3   | 2.3   | 1.7   | 19    | 0.4   | 0.4   | 0.4   | 61    | 0.17  | 0.041 |
| 11BH0481 | Soil                             | 0.8   | 26.1  | 9.0   | 51    | 0.1   | 18.1  | 11.3  | 286   | 3.04  | 6.5   | 0.4   | 3.0   | 2.2   | 18    | <0.1  | 0.3   | 0.2   | 70    | 0.22  | 0.024 |
| 11BH0482 | Soil                             | 1.0   | 17.8  | 11.9  | 60    | 0.2   | 14.1  | 12.0  | 300   | 3.75  | 6.2   | 0.3   | 1.9   | 1.6   | 13    | 0.1   | 0.4   | 0.1   | 87    | 0.17  | 0.034 |
| 11BH0483 | Soil                             | 1.3   | 26.8  | 12.8  | 80    | 0.3   | 29.5  | 14.7  | 505   | 4.34  | 5.1   | 0.3   | 1.1   | 1.8   | 18    | 0.1   | 0.3   | 0.1   | 109   | 0.24  | 0.041 |
| 11BH0484 | Soil                             | 1.1   | 18.6  | 12.2  | 50    | 0.3   | 11.4  | 8.5   | 240   | 2.66  | 5.4   | 0.6   | 3.3   | 2.7   | 15    | <0.1  | 0.2   | 0.2   | 64    | 0.22  | 0.020 |



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Project: Mariposa  
Report Date: January 03, 2012

Page: 2 of 2 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001977.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|          |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|          |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 11BH0455 | Soil                             | 6     | 19    | 1.12  | 219   | 0.243 | <1    | 2.42  | 0.019 | 0.52  | <0.1  | <0.01 | 2.8   | 0.2   | <0.05 | 8     | 0.6   | <0.2  |
| 11BH0456 | Soil                             | 10    | 28    | 1.09  | 328   | 0.201 | <1    | 2.54  | 0.015 | 0.47  | 0.1   | <0.01 | 3.2   | 0.3   | <0.05 | 7     | 1.1   | <0.2  |
| 11BH0457 | Soil                             | 15    | 23    | 1.57  | 287   | 0.299 | <1    | 3.41  | 0.012 | 0.79  | 0.2   | 0.01  | 3.6   | 0.6   | <0.05 | 10    | 0.9   | <0.2  |
| 11BH0458 | Soil                             | 15    | 23    | 0.49  | 249   | 0.040 | <1    | 1.40  | 0.010 | 0.11  | <0.1  | 0.01  | 2.1   | 0.1   | <0.05 | 5     | 0.7   | 0.4   |
| 11BH0459 | Soil                             | 13    | 26    | 0.86  | 320   | 0.136 | <1    | 2.12  | 0.015 | 0.27  | <0.1  | 0.01  | 3.9   | 0.2   | <0.05 | 7     | 1.1   | <0.2  |
| 11BH0460 | Soil                             | 8     | 23    | 0.80  | 226   | 0.124 | 2     | 2.23  | 0.011 | 0.33  | <0.1  | <0.01 | 3.5   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0461 | Soil                             | 25    | 18    | 0.42  | 731   | 0.015 | <1    | 2.22  | 0.008 | 0.20  | <0.1  | 0.02  | 2.8   | 0.1   | <0.05 | 5     | 0.6   | <0.2  |
| 11BH0462 | Soil                             | 17    | 12    | 0.14  | 349   | 0.016 | <1    | 0.86  | 0.007 | 0.06  | <0.1  | <0.01 | 1.1   | <0.1  | <0.05 | 3     | 0.7   | <0.2  |
| 11BH0463 | Soil                             | 12    | 26    | 0.93  | 322   | 0.138 | <1    | 2.27  | 0.015 | 0.32  | 0.1   | 0.01  | 3.7   | 0.2   | <0.05 | 6     | 0.8   | <0.2  |
| 11BH0464 | Soil                             | 12    | 26    | 1.05  | 318   | 0.151 | <1    | 2.46  | 0.016 | 0.29  | <0.1  | <0.01 | 4.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0465 | Soil                             | 13    | 40    | 0.60  | 306   | 0.059 | 1     | 2.14  | 0.012 | 0.07  | <0.1  | 0.01  | 3.6   | 0.1   | <0.05 | 5     | 1.1   | 0.4   |
| 11BH0466 | Soil                             | 17    | 14    | 0.41  | 294   | 0.029 | <1    | 2.14  | 0.008 | 0.22  | <0.1  | <0.01 | 3.0   | 0.2   | <0.05 | 5     | 0.5   | 0.5   |
| 11BH0467 | Soil                             | 17    | 36    | 0.60  | 322   | 0.069 | <1    | 2.35  | 0.011 | 0.12  | <0.1  | 0.03  | 4.5   | 0.1   | <0.05 | 6     | 0.6   | <0.2  |
| 11BH0468 | Soil                             | 43    | 48    | 0.61  | 459   | 0.049 | 1     | 1.91  | 0.012 | 0.08  | 0.1   | 0.07  | 7.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0469 | Soil                             | 12    | 24    | 0.83  | 326   | 0.128 | 1     | 2.03  | 0.012 | 0.35  | 0.1   | 0.02  | 3.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0470 | Soil                             | 10    | 38    | 1.21  | 581   | 0.047 | <1    | 2.54  | 0.014 | 0.25  | <0.1  | 0.02  | 13.5  | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0471 | Soil                             | 8     | 36    | 0.47  | 200   | 0.060 | <1    | 2.34  | 0.008 | 0.05  | 0.1   | 0.04  | 2.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0472 | Soil                             | 6     | 23    | 0.89  | 257   | 0.186 | <1    | 2.31  | 0.011 | 0.12  | 0.2   | 0.02  | 2.2   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0473 | Soil                             | 13    | 28    | 0.99  | 313   | 0.135 | <1    | 2.37  | 0.013 | 0.28  | 0.1   | 0.02  | 4.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0474 | Soil                             | 13    | 25    | 0.98  | 336   | 0.146 | <1    | 2.31  | 0.013 | 0.31  | 0.1   | 0.02  | 3.8   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0475 | Soil                             | 8     | 31    | 0.72  | 182   | 0.082 | <1    | 1.99  | 0.011 | 0.08  | 0.1   | 0.02  | 2.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0476 | Soil                             | 11    | 28    | 0.74  | 279   | 0.056 | <1    | 2.00  | 0.009 | 0.06  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0477 | Soil                             | 12    | 22    | 0.88  | 299   | 0.126 | <1    | 2.00  | 0.012 | 0.30  | 0.1   | 0.02  | 3.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0478 | Soil                             | 12    | 28    | 0.90  | 295   | 0.120 | 1     | 2.19  | 0.012 | 0.20  | <0.1  | 0.02  | 3.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0479 | Soil                             | 12    | 25    | 0.96  | 295   | 0.127 | <1    | 2.18  | 0.012 | 0.25  | 0.1   | 0.02  | 3.5   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 11BH0480 | Soil                             | 7     | 27    | 0.44  | 202   | 0.038 | <1    | 1.80  | 0.007 | 0.07  | <0.1  | 0.02  | 2.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0481 | Soil                             | 8     | 26    | 0.70  | 209   | 0.107 | <1    | 2.15  | 0.011 | 0.06  | 0.1   | 0.02  | 2.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 11BH0482 | Soil                             | 6     | 26    | 0.83  | 139   | 0.148 | <1    | 2.33  | 0.012 | 0.07  | 0.2   | 0.02  | 2.7   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 11BH0483 | Soil                             | 6     | 59    | 1.20  | 135   | 0.187 | <1    | 2.50  | 0.013 | 0.15  | 0.2   | 0.01  | 3.5   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 11BH0484 | Soil                             | 13    | 23    | 0.56  | 213   | 0.064 | <1    | 1.63  | 0.008 | 0.09  | 0.1   | 0.02  | 3.6   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |



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Project: Mariposa

Report Date: January 03, 2012

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## QUALITY CONTROL REPORT

WHI11001977.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 11BH0470            | Soil                             | 0.6   | 81.7  | 8.8   | 144   | 0.2   | 15.0  | 21.8  | 1051  | 6.12  | 1.6   | 0.5   | 33.9  | 1.7   | 48    | 0.3   | 0.2   | 0.3   | 108   | 0.69  | 0.165  |
| REP 11BH0470        | QC                               | 0.6   | 82.7  | 9.7   | 150   | 0.2   | 15.3  | 22.5  | 1094  | 6.43  | 2.0   | 0.5   | 38.3  | 1.8   | 50    | 0.3   | 0.2   | 0.4   | 107   | 0.74  | 0.172  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard                         | 13.0  | 108.2 | 123.2 | 301   | 1.8   | 37.3  | 7.3   | 569   | 2.33  | 25.7  | 2.8   | 111.0 | 6.5   | 59    | 2.0   | 5.3   | 6.4   | 40    | 0.65  | 0.074  |
| STD DS8             | Standard                         | 11.2  | 99.0  | 119.8 | 286   | 1.6   | 35.9  | 6.9   | 561   | 2.25  | 24.2  | 2.6   | 104.4 | 6.5   | 76    | 2.0   | 6.1   | 7.4   | 39    | 0.65  | 0.072  |
| STD DS8             | Standard                         | 13.6  | 106.6 | 125.9 | 317   | 1.9   | 38.2  | 7.2   | 590   | 2.43  | 26.8  | 2.7   | 128.3 | 6.7   | 62    | 2.3   | 5.6   | 6.3   | 41    | 0.68  | 0.083  |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 2.8   | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | 0.02  | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | 0.7   | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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Report Date: January 03, 2012

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## QUALITY CONTROL REPORT

WHI11001977.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Ti    | S      | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 11BH0470            | Soil                             | 10    | 38    | 1.21   | 581   | 0.047  | <1    | 2.54  | 0.014  | 0.25  | <0.1  | 0.02  | 13.5  | 0.2   | <0.05  | 8     | <0.5  | <0.2  |
| REP 11BH0470        | QC                               | 10    | 39    | 1.29   | 610   | 0.045  | <1    | 2.84  | 0.014  | 0.26  | <0.1  | 0.03  | 13.9  | 0.3   | <0.05  | 9     | <0.5  | <0.2  |
| Reference Materials |                                  |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard                         | 15    | 111   | 0.61   | 266   | 0.106  | 2     | 0.88  | 0.082  | 0.39  | 3.0   | 0.21  | 2.0   | 5.4   | 0.18   | 5     | 4.4   | 5.1   |
| STD DS8             | Standard                         | 15    | 110   | 0.63   | 265   | 0.112  | 2     | 0.82  | 0.082  | 0.39  | 2.8   | 0.18  | 2.1   | 5.1   | 0.15   | 4     | 5.8   | 4.2   |
| STD DS8             | Standard                         | 15    | 121   | 0.61   | 273   | 0.113  | 3     | 0.89  | 0.083  | 0.42  | 3.1   | 0.20  | 2.5   | 5.7   | 0.16   | 5     | 4.7   | 5.0   |
| STD DS8 Expected    |                                  | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank                            | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



## **APPENDIX III**

### **TABLE OF SOIL RESULTS**

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11YM0277  | Alberta Creek | 635307 | 6987040 | 9275 | 0.2      | 19.6     | 3.6      | 29       | 0.05     | 30.7     | 4.9      | 267      | 1.01        | 0.249    | 0.7     | 0.249    | 1        | 94       | 0.3      |
| 11YM0276  | Alberta Creek | 635301 | 6987104 | 9274 | 0.9      | 9.7      | 8.6      | 58       | 0.05     | 14.7     | 9        | 240      | 2.6         | 5.2      | 0.4     | 11.8     | 2.1      | 22       | 0.2      |
| 11YM0275  | Alberta Creek | 635299 | 6987148 | 9273 | 0.2      | 23.6     | 3.9      | 54       | 0.05     | 23.5     | 9.7      | 501      | 2.78        | 1        | 0.6     | 0.249    | 2.8      | 31       | 0.1      |
| 11YM0274  | Alberta Creek | 635291 | 6987193 | 9272 | 0.6      | 17.9     | 11.2     | 55       | 0.05     | 18.7     | 9.9      | 774      | 2.35        | 4.9      | 1       | 1.5      | 3        | 33       | 0.2      |
| 11YM0273  | Alberta Creek | 635291 | 6987240 | 9271 | 0.2      | 38.9     | 4.6      | 51       | 0.05     | 44.3     | 16.6     | 532      | 4.6         | 1.2      | 0.7     | 0.249    | 3.5      | 26       | 0.049    |
| 11YM0271  | Alberta Creek | 635280 | 6987291 | 9269 | 0.6      | 13.5     | 7.4      | 58       | 0.05     | 18.4     | 9.4      | 527      | 2.48        | 3.7      | 0.8     | 10.1     | 3.9      | 33       | 0.049    |
| 11YM0270  | Alberta Creek | 635279 | 6987340 | 9268 | 0.3      | 21.6     | 8.2      | 61       | 0.10     | 22.2     | 10.1     | 742      | 2.44        | 4.6      | 1.2     | 13.2     | 2.7      | 44       | 0.049    |
| 11YM0269  | Alberta Creek | 635280 | 6987398 | 9267 | 0.3      | 19.3     | 7.9      | 58       | 0.05     | 24.6     | 10.5     | 786      | 2.41        | 3.7      | 0.7     | 5.9      | 2.8      | 42       | 0.2      |
| 11YM0268  | Alberta Creek | 635487 | 6987406 | 9266 | 0.4      | 8.6      | 8.0      | 84       | 0.05     | 10.1     | 8.4      | 747      | 3.18        | 3.8      | 0.4     | 10.9     | 4.5      | 25       | 0.049    |
| 11YM0267  | Alberta Creek | 635486 | 6987359 | 9265 | 0.6      | 16.2     | 8.3      | 73       | 0.05     | 21.1     | 9.7      | 513      | 3.04        | 5.2      | 0.6     | 26.8     | 4        | 35       | 0.049    |
| 11YM0266  | Alberta Creek | 635494 | 6987314 | 9264 | 0.9      | 10.0     | 8.1      | 69       | 0.05     | 11.7     | 7.7      | 554      | 2.69        | 3.8      | 0.5     | 18.4     | 3.9      | 30       | 0.049    |
| 11YM0265  | Alberta Creek | 635493 | 6987261 | 9263 | 0.6      | 7.5      | 7.5      | 109      | 0.05     | 16.3     | 15.5     | 1378     | 4.95        | 2.4      | 0.6     | 13.6     | 3.3      | 32       | 0.049    |
| 11YM0264  | Alberta Creek | 635497 | 6987217 | 9262 | 0.8      | 6.8      | 7.4      | 58       | 0.05     | 9.6      | 9.2      | 671      | 2.75        | 5.1      | 0.4     | 0.249    | 2.5      | 19       | 0.049    |
| 11YM0263  | Alberta Creek | 635488 | 6987169 | 9261 | 0.7      | 6.9      | 8.2      | 53       | 0.05     | 10.3     | 8.1      | 710      | 2.62        | 4.6      | 0.5     | 3.9      | 2.9      | 20       | 0.049    |
| 11YM0262  | Alberta Creek | 635497 | 6987103 | 9260 | 1.1      | 7.9      | 7.1      | 53       | 0.05     | 13.5     | 11.1     | 731      | 2.95        | 4.8      | 0.5     | 1.2      | 4.8      | 16       | 0.049    |
| 11YM0261  | Alberta Creek | 635505 | 6987059 | 9259 | 0.7      | 9.3      | 5.7      | 59       | 0.05     | 21.7     | 11.2     | 444      | 3.29        | 3        | 0.7     | 8.1      | 6.9      | 15       | 0.049    |
| 11YM0260  | Alberta Creek | 635503 | 6987005 | 9258 | 0.8      | 9.6      | 6.6      | 59       | 0.05     | 25.6     | 10.8     | 433      | 3.28        | 3.9      | 0.6     | 3.5      | 5.2      | 15       | 0.049    |
| 11YM0259  | Alberta Creek | 635505 | 6986956 | 9257 | 0.7      | 10.0     | 6.3      | 63       | 0.05     | 23.9     | 11.2     | 457      | 3.3         | 3.5      | 0.7     | 7.4      | 5.7      | 16       | 0.049    |
| 11YM0258  | Alberta Creek | 635507 | 6986906 | 9256 | 1.0      | 10.2     | 7.1      | 57       | 0.05     | 26.6     | 10.8     | 383      | 3.22        | 4.1      | 0.6     | 7.3      | 5.2      | 16       | 0.049    |
| 11YM0257  | Alberta Creek | 635107 | 6986889 | 9255 | 0.3      | 227.4    | 5.9      | 52       | 0.10     | 19.6     | 8.3      | 631      | 2.15        | 2.8      | 0.8     | 5.5      | 2.6      | 54       | 0.049    |
| 11YM0256  | Alberta Creek | 635100 | 6986945 | 9254 | 0.5      | 126.7    | 8.1      | 52       | 0.05     | 26.1     | 10.2     | 512      | 2.61        | 8.6      | 0.6     | 5.9      | 3.9      | 30       | 0.1      |
| 11YM0255  | Alberta Creek | 635103 | 6986990 | 9253 | 0.1      | 18.0     | 2.3      | 42       | 0.05     | 11.2     | 6.1      | 419      | 2.02        | 1.5      | 0.3     | 3.3      | 1.8      | 35       | 0.049    |
| 11YM0254  | Alberta Creek | 635108 | 6987038 | 9252 | 0.4      | 100.2    | 5.9      | 55       | 0.05     | 22.6     | 8.3      | 523      | 2.31        | 2.9      | 0.5     | 2.2      | 2.8      | 45       | 0.2      |
| 11YM0253  | Alberta Creek | 635109 | 6987073 | 9251 | 0.2      | 55.5     | 6.8      | 51       | 0.05     | 19.5     | 8.9      | 679      | 2.26        | 2.9      | 0.7     | 3.3      | 2.1      | 42       | 0.2      |
| 11YM0252  | Alberta Creek | 635099 | 6987128 | 9250 | 0.3      | 32.8     | 8.0      | 50       | 0.10     | 21.3     | 8.5      | 507      | 2.22        | 3.8      | 0.7     | 2.1      | 3        | 42       | 0.2      |
| 11YM0251  | Alberta Creek | 635098 | 6987188 | 9249 | 0.4      | 17.6     | 6.7      | 42       | 0.05     | 23.8     | 7.9      | 375      | 1.88        | 4.5      | 0.7     | 4.1      | 2.2      | 51       | 0.3      |
| 11YM0250  | Alberta Creek | 635092 | 6987233 | 9248 | 0.6      | 21.4     | 8.0      | 44       | 0.05     | 31.6     | 8.9      | 203      | 2.31        | 4.9      | 0.6     | 0.9      | 2.6      | 20       | 0.049    |
| 11YM0249  | Alberta Creek | 635087 | 6987281 | 9247 | 0.6      | 3.9      | 3.6      | 14       | 0.05     | 18.2     | 1.4      | 119      | 0.26        | 0.249    | 0.5     | 0.7      | 0.3      | 108      | 0.4      |
| 11YM0248  | Alberta Creek | 635081 | 6987339 | 9246 | 0.1      | 17.8     | 5.9      | 33       | 0.05     | 26.0     | 7.6      | 563      | 1.82        | 3.1      | 0.8     | 1.8      | 2.3      | 56       | 0.3      |
| 11YM0247  | Alberta Creek | 634888 | 6987337 | 9245 | 0.2      | 30.8     | 8.4      | 62       | 0.20     | 19.9     | 8.4      | 670      | 2.13        | 2.6      | 0.7     | 1.8      | 1.8      | 39       | 0.3      |
| 11YM0246  | Alberta Creek | 634889 | 6987281 | 9244 | 0.3      | 14.5     | 6.3      | 29       | 0.05     | 10.4     | 4.9      | 333      | 1.41        | 2.3      | 0.3     | 1.7      | 1        | 69       | 0.1      |
| 11YM0245  | Alberta Creek | 634893 | 6987226 | 9243 | 0.3      | 30.4     | 6.7      | 47       | 0.05     | 19.3     | 7.5      | 380      | 1.96        | 5.2      | 0.5     | 1.7      | 2.3      | 39       | 0.049    |
| 11YM0244  | Alberta Creek | 634899 | 6987181 | 9242 | 0.2      | 7.5      | 3.8      | 19       | 0.05     | 8.1      | 3.5      | 224      | 0.9         | 1.8      | 0.5     | 0.249    | 0.5      | 63       | 0.2      |
| 11YM0243  | Alberta Creek | 634901 | 6987138 | 9241 | 0.3      | 22.3     | 5.1      | 37       | 0.05     | 14.8     | 5.7      | 459      | 1.71        | 3.2      | 0.6     | 2        | 1.9      | 50       | 0.049    |
| 11YM0242  | Alberta Creek | 634896 | 6987086 | 9240 | 0.8      | 6.7      | 5.3      | 71       | 0.05     | 12.4     | 10.5     | 485      | 3.58        | 4.4      | 0.3     | 0.9      | 2        | 22       | 0.2      |
| 11YM0241  | Alberta Creek | 634900 | 6987040 | 9239 | 0.0      | 6.0      | 4.2      | 12       | 0.05     | 17.5     | 2.1      | 118      | 0.5         | 0.9      | 0.3     | 0.249    | 0.7      | 91       | 0.2      |
| 11YM0240  | Alberta Creek | 634911 | 6986984 | 9238 | 0.1      | 9.2      | 4.9      | 33       | 0.05     | 16.8     | 3.9      | 301      | 1.07        | 2.1      | 0.4     | 0.249    | 1.1      | 117      | 0.3      |
| 11YM0239  | Alberta Creek | 634907 | 6986922 | 9237 | 0.2      | 16.2     | 6.0      | 36       | 0.05     | 17.2     | 5.3      | 225      | 1.43        | 3.9      | 0.4     | 1.5      | 1.3      | 65       | 0.2      |
| 11YM0238  | Alberta Creek | 634907 | 6986880 | 9236 | 0.1      | 11.0     | 4.3      | 26       | 0.05     | 9.8      | 2.9      | 193      | 0.87        | 1.6      | 0.4     | 0.249    | 0.7      | 106      | 0.3      |
| 11YM0237  | Alberta Creek | 634565 | 6987920 | 9235 | 0.3      | 8.0      | 5.2      | 105      | 0.05     | 13.5     | 12.1     | 905      | 4.02        | 3.5      | 0.7     | 27.9     | 3.3      | 41       | 0.1      |
| 11YM0236  | Alberta Creek | 634568 | 6987870 | 9234 | 0.4      | 6.8      | 4.8      | 84       | 0.05     | 11.0     | 10.8     | 732      | 3.59        | 4.7      | 0.6     | 4.2      | 3.4      | 32       | 0.049    |
| 11YM0235  | Alberta Creek | 634566 | 6987814 | 9233 | 0.5      | 9.3      | 5.5      | 69       | 0.05     | 12.4     | 9.7      | 518      | 2.96        | 5        | 0.7     | 57.1     | 3.3      | 29       | 0.049    |
| 11YM0234  | Alberta Creek | 634571 | 6987773 | 9232 | 0.3      | 21.6     | 3.9      | 89       | 0.05     | 6.8      | 11.5     | 934      | 3.91        | 3.5      | 0.6     | 1.4      | 3.3      | 27       | 0.049    |
| 11YM0233  | Alberta Creek | 634570 | 6987718 | 9231 | 0.6      | 5.8      | 5.4      | 69       | 0.05     | 11.2     | 10.1     | 613      | 3.09        | 5        | 0.4     | 6.4      | 2.3      | 25       | 0.049    |
| 11YM0232  | Alberta Creek | 634571 | 6987672 | 9230 | 0.5      | 14.9     | 6.1      | 58       | 0.05     | 15.7     | 10.2     | 466      | 3.13        | 5.9      | 0.9     | 6.1      | 5.6      | 27       | 0.049    |
| 11YM0231  | Alberta Creek | 634570 | 6987621 | 9229 | 0.5      | 10.1     | 5.9      | 75       | 0.05     | 14.6     | 12.1     | 769      | 4.04        | 4.8      | 0.6     | 5.4      | 5        | 23       | 0.049    |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11YM0230  | Alberta Creek | 634575 | 6987567 | 9228 | 0.5      | 14.0     | 7.6      | 76       | 0.05     | 20.0     | 13.7     | 906      | 3.93        | 4.8      | 0.7     | 1.9      | 4.3      | 24       | 0.1      |
| 11YM0229  | Alberta Creek | 634588 | 6987314 | 9227 | 0.2      | 54.8     | 6.6      | 57       | 0.05     | 12.2     | 7.1      | 586      | 1.86        | 1.1      | 0.6     | 0.9      | 1.2      | 80       | 0.2      |
| 11YM0228  | Alberta Creek | 634593 | 6987260 | 9226 | 0.3      | 19.7     | 5.9      | 52       | 0.05     | 17.2     | 7.4      | 424      | 2.14        | 2.9      | 0.4     | 1.9      | 2.3      | 49       | 0.2      |
| 11YM0227  | Alberta Creek | 634591 | 6987212 | 9225 | 0.3      | 20.1     | 8.1      | 48       | 0.05     | 18.9     | 8.4      | 377      | 2.24        | 5.2      | 0.6     | 2.4      | 2.8      | 30       | 0.1      |
| 11YM0226  | Alberta Creek | 634594 | 6987167 | 9224 | 0.3      | 21.0     | 8.7      | 54       | 0.05     | 21.7     | 9.6      | 380      | 2.51        | 7.1      | 0.6     | 3.2      | 3.2      | 28       | 0.049    |
| 11YM0225  | Alberta Creek | 634596 | 6987118 | 9223 | 0.3      | 20.6     | 8.3      | 50       | 0.05     | 19.5     | 8.9      | 391      | 2.32        | 6.4      | 0.6     | 1.9      | 2.9      | 28       | 0.1      |
| 11YM0224  | Alberta Creek | 634598 | 6987068 | 9222 | 0.3      | 21.6     | 8.2      | 55       | 0.05     | 20.0     | 8.5      | 375      | 2.36        | 6.1      | 0.5     | 2.5      | 2.8      | 31       | 0.1      |
| 11YM0223  | Alberta Creek | 634472 | 6987964 | 9221 | 0.5      | 23.6     | 6.7      | 96       | 0.05     | 13.4     | 12.8     | 862      | 4.74        | 4.9      | 0.7     | 5.9      | 3.4      | 35       | 0.1      |
| 11YM0222  | Alberta Creek | 634462 | 6987873 | 9220 | 0.3      | 8.8      | 5.3      | 99       | 0.05     | 10.2     | 11.7     | 965      | 3.73        | 3.1      | 0.6     | 3.9      | 2.2      | 40       | 0.1      |
| 11YM0221  | Alberta Creek | 634466 | 6987819 | 9219 | 0.4      | 8.4      | 5.4      | 84       | 0.05     | 12.4     | 11.3     | 712      | 3.34        | 5.1      | 0.6     | 6.3      | 2.8      | 32       | 0.1      |
| 11YM0220  | Alberta Creek | 634471 | 6987768 | 9218 | 0.4      | 4.7      | 5.1      | 88       | 0.05     | 7.7      | 11.1     | 797      | 3.56        | 3.5      | 0.4     | 19.3     | 2.3      | 30       | 0.049    |
| 11YM0219  | Alberta Creek | 634474 | 6987715 | 9217 | 0.4      | 7.5      | 6.5      | 101      | 0.05     | 9.1      | 12.4     | 1038     | 4.65        | 4.2      | 0.5     | 58.3     | 4.2      | 21       | 0.049    |
| 11YM0218  | Alberta Creek | 634472 | 6987669 | 9216 | 0.3      | 5.6      | 5.9      | 82       | 0.05     | 6.4      | 8.7      | 958      | 3.7         | 2.9      | 0.5     | 7.5      | 2.8      | 18       | 0.049    |
| 11YM0217  | Alberta Creek | 634472 | 6987616 | 9215 | 0.3      | 7.4      | 6.7      | 81       | 0.05     | 9.8      | 10.9     | 1290     | 3.93        | 2.9      | 0.4     | 4.3      | 4.3      | 27       | 0.049    |
| 11YM0216  | Alberta Creek | 634472 | 6987564 | 9214 | 0.1      | 47.2     | 5.2      | 64       | 0.05     | 19.9     | 8.1      | 550      | 2.45        | 0.6      | 0.7     | 1.2      | 1.4      | 67       | 0.2      |
| 11YM0215  | Alberta Creek | 634479 | 6987519 | 9213 | 0.2      | 57.3     | 5.6      | 55       | 0.05     | 14.4     | 7.7      | 585      | 2.27        | 1.9      | 0.7     | 3.7      | 1.6      | 66       | 0.2      |
| 11YM0214  | Alberta Creek | 634493 | 6987265 | 9212 | 0.4      | 41.3     | 8.5      | 60       | 0.10     | 21.6     | 10.7     | 476      | 2.74        | 4.5      | 0.5     | 2.6      | 2.8      | 42       | 0.2      |
| 11YM0213  | Alberta Creek | 634484 | 6987217 | 9211 | 0.4      | 24.1     | 8.8      | 46       | 0.05     | 24.2     | 10.9     | 643      | 2.52        | 7.1      | 1       | 2.5      | 2.2      | 37       | 0.2      |
| 11YM0212  | Alberta Creek | 634497 | 6987162 | 9210 | 0.6      | 21.4     | 8.1      | 53       | 0.05     | 14.7     | 7        | 222      | 2.43        | 6.1      | 0.4     | 0.7      | 2.3      | 37       | 0.049    |
| 11YM0211  | Alberta Creek | 634499 | 6987120 | 9209 | 0.6      | 36.3     | 8.8      | 48       | 0.10     | 24.6     | 11.2     | 635      | 2.52        | 7.6      | 0.7     | 4.5      | 2.2      | 49       | 0.2      |
| 11YM0210  | Alberta Creek | 634499 | 6987063 | 9208 | 0.4      | 20.4     | 5.6      | 31       | 0.05     | 17.2     | 7        | 761      | 1.51        | 2.6      | 0.5     | 0.7      | 1.4      | 64       | 0.2      |
| 11YM0209  | Alberta Creek | 634299 | 6987055 | 9207 | 1.2      | 34.1     | 4.8      | 76       | 0.05     | 46.2     | 15.1     | 620      | 4.24        | 6.8      | 0.5     | 0.7      | 4.9      | 19       | 0.1      |
| 11YM0208  | Alberta Creek | 634295 | 6987106 | 9206 | 1.3      | 33.2     | 5.3      | 80       | 0.05     | 50.2     | 15.8     | 600      | 4.46        | 7.1      | 0.5     | 0.249    | 5        | 20       | 0.2      |
| 11YM0207  | Alberta Creek | 634292 | 6987150 | 9205 | 1.7      | 42.0     | 8.1      | 80       | 0.05     | 21.1     | 12.2     | 460      | 3.93        | 12.4     | 0.7     | 1        | 6        | 14       | 0.2      |
| 11YM0206  | Alberta Creek | 634290 | 6987205 | 9204 | 0.0      | 3.6      | 0.5      | 37       | 0.05     | 5.6      | 1.8      | 218      | 0.85        | 1.7      | 0.049   | 0.7      | 0.2      | 15       | 0.049    |
| 11YM0205  | Alberta Creek | 634285 | 6987251 | 9203 | 0.2      | 58.1     | 4.6      | 57       | 0.05     | 12.5     | 8.2      | 629      | 2.53        | 2.4      | 0.5     | 0.7      | 1.6      | 66       | 0.1      |
| 11YM0204  | Alberta Creek | 634359 | 6988212 | 9202 | 0.5      | 20.6     | 4.9      | 41       | 0.05     | 41.8     | 16.6     | 435      | 3.26        | 4.6      | 1.1     | 1.6      | 2.6      | 66       | 0.1      |
| 11YM0203  | Alberta Creek | 634353 | 6988155 | 9201 | 0.3      | 25.7     | 7.2      | 68       | 0.05     | 21.3     | 11.3     | 320      | 2.77        | 7.7      | 1.2     | 8.7      | 4.1      | 44       | 0.3      |
| 11YM0202  | Alberta Creek | 634355 | 6988109 | 9200 | 0.5      | 15.5     | 7.5      | 106      | 0.10     | 13.2     | 14.7     | 1145     | 4.01        | 4.6      | 0.9     | 13.9     | 4.3      | 47       | 0.1      |
| 11YM0201  | Alberta Creek | 634356 | 6988055 | 9199 | 0.6      | 22.3     | 5.8      | 96       | 0.05     | 12.3     | 13.4     | 948      | 3.98        | 4.2      | 0.6     | 23.3     | 3.7      | 48       | 0.3      |
| 11YM0200  | Alberta Creek | 634358 | 6988003 | 9198 | 0.6      | 13.9     | 4.8      | 92       | 0.05     | 12.6     | 11.8     | 822      | 3.87        | 3.4      | 0.6     | 6.6      | 3.7      | 44       | 0.1      |
| 11YM0199  | Alberta Creek | 634361 | 6987954 | 9197 | 0.4      | 14.2     | 6.6      | 91       | 0.05     | 13.4     | 12       | 604      | 3.3         | 4.2      | 0.8     | 7.8      | 3.5      | 46       | 0.1      |
| 11YM0198  | Alberta Creek | 634374 | 6987916 | 9196 | 0.4      | 10.6     | 5.6      | 91       | 0.05     | 11.0     | 11.4     | 696      | 3.88        | 4.4      | 0.5     | 6.8      | 3.3      | 46       | 0.1      |
| 11YM0197  | Alberta Creek | 634365 | 6987865 | 9195 | 0.6      | 19.0     | 5.1      | 98       | 0.05     | 9.9      | 12.6     | 911      | 4.23        | 3.1      | 0.4     | 5        | 2.6      | 39       | 0.049    |
| 11YM0196  | Alberta Creek | 634372 | 6987809 | 9194 | 0.4      | 6.2      | 7.9      | 104      | 0.05     | 7.4      | 11.8     | 933      | 4.1         | 3.2      | 0.5     | 9.7      | 2.1      | 43       | 0.049    |
| 11YM0195  | Alberta Creek | 634380 | 6987755 | 9193 | 0.3      | 7.2      | 5.1      | 93       | 0.05     | 8.3      | 12.1     | 924      | 4.2         | 3        | 0.5     | 2.1      | 2.3      | 36       | 0.049    |
| 11YM0194  | Alberta Creek | 634366 | 6987706 | 9192 | 0.5      | 18.4     | 7.5      | 71       | 0.10     | 16.2     | 11.4     | 808      | 3.07        | 5.4      | 1.1     | 2.1      | 1.8      | 47       | 0.1      |
| 11YM0193  | Alberta Creek | 634371 | 6987657 | 9191 | 0.6      | 12.0     | 6.4      | 101      | 0.10     | 13.4     | 14.1     | 1271     | 4.53        | 2.6      | 0.5     | 67.4     | 3.7      | 36       | 0.1      |
| 11YM0192  | Alberta Creek | 634381 | 6987616 | 9190 | 0.3      | 31.5     | 10.9     | 47       | 0.10     | 16.9     | 8.1      | 332      | 2.06        | 2.5      | 0.8     | 17.6     | 2        | 45       | 0.1      |
| 11YM0191  | Alberta Creek | 634386 | 6987555 | 9189 | 0.2      | 33.3     | 5.3      | 53       | 0.05     | 10.1     | 6.8      | 691      | 2.07        | 0.6      | 0.8     | 5.6      | 1.2      | 76       | 0.3      |
| 11YM0190  | Alberta Creek | 634378 | 6987512 | 9188 | 0.5      | 58.1     | 9.5      | 65       | 0.10     | 27.0     | 11.8     | 462      | 2.61        | 5.7      | 0.6     | 2.1      | 2.7      | 66       | 0.3      |
| 11YM0189  | Alberta Creek | 634386 | 6987404 | 9187 | 0.4      | 29.8     | 7.2      | 46       | 0.10     | 17.8     | 8        | 475      | 1.99        | 4.3      | 0.4     | 35.6     | 2.4      | 70       | 0.3      |
| 11YM0188  | Alberta Creek | 634387 | 6987262 | 9186 | 0.3      | 31.8     | 11.2     | 54       | 0.20     | 28.3     | 10.1     | 471      | 2.42        | 7.5      | 0.8     | 10.5     | 2.5      | 47       | 0.2      |
| 11YM0187  | Alberta Creek | 634380 | 6987223 | 9185 | 0.5      | 19.7     | 10.1     | 57       | 0.10     | 22.2     | 10.3     | 501      | 2.66        | 7.1      | 0.7     | 2.1      | 2.5      | 33       | 0.3      |
| 11YM0186  | Alberta Creek | 634387 | 6987161 | 9184 | 0.3      | 21.8     | 7.0      | 33       | 0.05     | 19.4     | 6.9      | 202      | 1.65        | 2.5      | 0.6     | 1.4      | 2        | 71       | 0.3      |
| 11YM0185  | Alberta Creek | 634397 | 6987119 | 9183 | 0.9      | 32.1     | 10.1     | 48       | 0.05     | 18.8     | 9.5      | 437      | 2.83        | 9.8      | 1       | 2.8      | 4.5      | 54       | 0.049    |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11YM0184  | Alberta Creek | 634401 | 6987072 | 9182 | 0.1      | 8.7      | 3.3      | 47       | 0.05     | 12.1     | 5.1      | 304      | 1.52        | 3.3      | 0.4     | 0.249    | 1.2      | 24       | 0.049    |
| 11YM0183  | Alberta Creek | 634009 | 6987044 | 9181 | 0.8      | 17.8     | 8.4      | 52       | 0.10     | 17.8     | 11.4     | 389      | 2.94        | 7.6      | 0.4     | 0.249    | 2.4      | 26       | 0.049    |
| 11YM0182  | Alberta Creek | 633997 | 6987089 | 9180 | 0.8      | 5.3      | 5.9      | 82       | 0.05     | 8.7      | 11.5     | 772      | 3.94        | 3.8      | 0.3     | 0.249    | 3.8      | 69       | 0.1      |
| 11YM0181  | Alberta Creek | 633995 | 6987141 | 9179 | 0.8      | 15.2     | 8.3      | 51       | 0.05     | 14.9     | 9.5      | 433      | 3.09        | 7.4      | 0.8     | 1.2      | 4.4      | 57       | 0.049    |
| 11YM0180  | Alberta Creek | 633995 | 6987192 | 9178 | 1.0      | 14.5     | 9.2      | 50       | 0.05     | 18.7     | 7.9      | 308      | 3.02        | 8.1      | 0.7     | 2.1      | 3.7      | 66       | 0.049    |
| 11YM0179  | Alberta Creek | 633993 | 6987238 | 9177 | 0.6      | 4.4      | 5.5      | 60       | 0.05     | 7.3      | 8.5      | 858      | 2.68        | 1.2      | 0.4     | 0.249    | 1.6      | 136      | 0.049    |
| 11YM0178  | Alberta Creek | 633991 | 6987291 | 9176 | 0.6      | 43.5     | 4.9      | 74       | 0.10     | 18.0     | 14.7     | 569      | 3.78        | 3.5      | 1       | 3.8      | 3.3      | 117      | 0.1      |
| 11YM0177  | Alberta Creek | 633987 | 6987338 | 9175 | 1.4      | 13.4     | 6.0      | 60       | 0.05     | 11.9     | 9.4      | 525      | 3.21        | 4.7      | 0.5     | 1.3      | 3.4      | 47       | 0.049    |
| 11YM0176  | Alberta Creek | 633987 | 6987387 | 9174 | 1.0      | 16.7     | 7.8      | 52       | 0.05     | 20.0     | 8.7      | 227      | 2.97        | 6.5      | 0.6     | 8.3      | 3.4      | 22       | 0.049    |
| 11YM0175  | Alberta Creek | 633975 | 6987440 | 9173 | 1.0      | 39.7     | 4.6      | 74       | 0.05     | 8.6      | 6.8      | 611      | 3.77        | 5        | 0.4     | 2        | 5.8      | 8        | 0.049    |
| 11YM0174  | Alberta Creek | 633977 | 6987492 | 9172 | 3.5      | 58.3     | 15.7     | 149      | 0.05     | 42.4     | 18.3     | 1095     | 6.63        | 22       | 0.7     | 2.4      | 4.6      | 16       | 0.2      |
| 11YM0173  | Alberta Creek | 633975 | 6987533 | 9171 | 8.6      | 88.5     | 9.2      | 124      | 0.30     | 51.5     | 18.9     | 741      | 5.1         | 9.1      | 2.3     | 4.7      | 2.6      | 42       | 0.4      |
| 11YM0172  | Alberta Creek | 633890 | 6987236 | 9170 | 0.3      | 13.0     | 4.1      | 83       | 0.05     | 9.3      | 10.1     | 711      | 4.64        | 1.4      | 0.7     | 1.2      | 4.1      | 163      | 0.049    |
| 11YM0171  | Alberta Creek | 633893 | 6987195 | 9169 | 1.0      | 11.8     | 10.2     | 49       | 0.05     | 17.8     | 9.4      | 315      | 3.1         | 10.3     | 0.6     | 2.5      | 3.3      | 21       | 0.049    |
| 11YM0170  | Alberta Creek | 633894 | 6987144 | 9168 | 1.3      | 9.4      | 10.0     | 41       | 0.10     | 11.4     | 5.9      | 203      | 3.34        | 9.6      | 0.5     | 1.5      | 3.2      | 22       | 0.049    |
| 11YM0169  | Alberta Creek | 633896 | 6987095 | 9167 | 0.3      | 7.2      | 4.7      | 50       | 0.05     | 10.9     | 7        | 442      | 2.33        | 3.2      | 0.4     | 3.4      | 2.6      | 51       | 0.049    |
| 11YM0168  | Alberta Creek | 633898 | 6987037 | 9166 | 0.7      | 10.9     | 6.1      | 55       | 0.05     | 14.0     | 8.5      | 506      | 2.95        | 5.8      | 0.4     | 0.249    | 2.5      | 71       | 0.049    |
| 11YM0167  | Alberta Creek | 633046 | 6988314 | 9165 | 1.5      | 36.7     | 6.9      | 138      | 0.05     | 13.2     | 18.1     | 875      | 5.2         | 3.9      | 0.6     | 1.8      | 4.3      | 17       | 0.1      |
| 11YM0166  | Alberta Creek | 633049 | 6988261 | 9164 | 1.7      | 21.1     | 8.3      | 44       | 0.05     | 14.7     | 6        | 383      | 2.25        | 4.2      | 0.7     | 24.7     | 1.9      | 27       | 0.049    |
| 11YM0165  | Alberta Creek | 633041 | 6988205 | 9163 | 0.4      | 25.3     | 8.5      | 63       | 0.05     | 18.7     | 10.2     | 427      | 2.5         | 3.9      | 1.4     | 20.2     | 2.3      | 35       | 0.1      |
| 11YM0164  | Alberta Creek | 633048 | 6988162 | 9162 | 0.3      | 42.4     | 6.9      | 52       | 0.05     | 21.2     | 9        | 475      | 2.33        | 6.4      | 0.5     | 2.7      | 2.1      | 54       | 0.2      |
| 11YM0163  | Alberta Creek | 633054 | 6988108 | 9161 | 0.2      | 29.0     | 7.5      | 51       | 0.05     | 20.5     | 9.1      | 510      | 2.28        | 6.3      | 0.7     | 3.4      | 1.8      | 48       | 0.2      |
| 11YM0162  | Alberta Creek | 633054 | 6988050 | 9160 | 0.3      | 36.4     | 6.0      | 44       | 0.05     | 20.2     | 8.6      | 340      | 2.12        | 6        | 1       | 1.2      | 1.4      | 72       | 0.2      |
| 11YM0161  | Alberta Creek | 633054 | 6988003 | 9159 | 0.9      | 29.3     | 7.0      | 49       | 0.10     | 21.7     | 9.7      | 338      | 2.32        | 7.5      | 1.1     | 1.7      | 2.1      | 50       | 0.1      |
| 11YM0160  | Alberta Creek | 633062 | 6987948 | 9158 | 0.8      | 66.9     | 6.6      | 76       | 0.05     | 51.7     | 18.7     | 946      | 3.41        | 4.5      | 0.9     | 1.6      | 1.7      | 79       | 0.3      |
| 11YM0159  | Alberta Creek | 633060 | 6987913 | 9157 | 0.6      | 79.1     | 8.0      | 72       | 0.20     | 31.6     | 14       | 603      | 3.26        | 5.9      | 0.9     | 1.2      | 2.4      | 56       | 0.2      |
| 11YM0158  | Alberta Creek | 633064 | 6987858 | 9156 | 0.4      | 34.4     | 9.9      | 75       | 0.10     | 21.8     | 10.7     | 491      | 2.92        | 4.7      | 1.4     | 0.249    | 2.5      | 57       | 0.4      |
| 11YM0157  | Alberta Creek | 633067 | 6987801 | 9155 | 0.3      | 29.1     | 7.6      | 70       | 0.05     | 16.8     | 11.6     | 223      | 2.65        | 4.9      | 1       | 7.3      | 3.2      | 29       | 0.1      |
| 11YM0156  | Alberta Creek | 633063 | 6987754 | 9154 | 0.6      | 25.1     | 8.1      | 74       | 0.05     | 17.0     | 14       | 458      | 3.22        | 5.6      | 1       | 2.5      | 2.4      | 31       | 0.2      |
| 11YM0155  | Alberta Creek | 633073 | 6987710 | 9153 | 0.8      | 25.0     | 7.1      | 65       | 0.05     | 13.2     | 10.9     | 311      | 3.14        | 4.9      | 0.9     | 1.9      | 2.1      | 30       | 0.049    |
| 11YM0154  | Alberta Creek | 633072 | 6987657 | 9152 | 1.1      | 18.1     | 7.1      | 69       | 0.10     | 12.7     | 9.6      | 240      | 2.92        | 4.3      | 0.6     | 0.249    | 1.6      | 23       | 0.049    |
| 11YM0153  | Alberta Creek | 633072 | 6987603 | 9151 | 0.9      | 16.5     | 6.4      | 60       | 0.10     | 10.5     | 9.1      | 220      | 2.57        | 4.3      | 0.6     | 2.5      | 1.6      | 25       | 0.049    |
| 11YM0152  | Alberta Creek | 633081 | 6987553 | 9150 | 1.3      | 26.4     | 7.4      | 69       | 0.10     | 12.2     | 10.8     | 314      | 3.13        | 5.6      | 0.9     | 3.6      | 1.9      | 22       | 0.049    |
| 11YM0151  | Alberta Creek | 633076 | 6987507 | 9149 | 1.6      | 20.0     | 7.7      | 73       | 0.10     | 11.3     | 8.9      | 239      | 2.96        | 6.9      | 0.7     | 1.5      | 2.1      | 21       | 0.049    |
| 11YM0150  | Alberta Creek | 633082 | 6987453 | 9148 | 2.7      | 21.3     | 5.9      | 69       | 0.05     | 11.5     | 10.3     | 311      | 2.91        | 5.7      | 0.6     | 1.4      | 2.5      | 22       | 0.049    |
| 11YM0149  | Alberta Creek | 633080 | 6987405 | 9147 | 1.8      | 22.9     | 7.8      | 58       | 0.10     | 10.3     | 6.1      | 160      | 2.41        | 4.8      | 0.8     | 0.5      | 1.5      | 24       | 0.049    |
| 11YM0148  | Alberta Creek | 633080 | 6987350 | 9146 | 1.8      | 29.5     | 6.5      | 69       | 0.20     | 11.5     | 8.6      | 186      | 2.79        | 3.5      | 0.6     | 1.2      | 2        | 28       | 0.049    |
| 11YM0147  | Alberta Creek | 633088 | 6987305 | 9145 | 2.2      | 21.5     | 8.2      | 54       | 0.10     | 11.9     | 6.6      | 185      | 2.34        | 3.2      | 0.5     | 1.1      | 2.3      | 30       | 0.049    |
| 11YM0146  | Alberta Creek | 633088 | 6987256 | 9144 | 1.9      | 36.0     | 6.8      | 48       | 0.20     | 11.8     | 8        | 252      | 2.15        | 3.4      | 0.7     | 2.3      | 1.6      | 39       | 0.2      |
| 11YM0145  | Alberta Creek | 633095 | 6987210 | 9143 | 5.8      | 121.8    | 5.1      | 72       | 0.30     | 18.1     | 17.8     | 643      | 4.73        | 24.6     | 0.9     | 3.7      | 2.9      | 56       | 0.049    |
| 11YM0144  | Alberta Creek | 633090 | 6987160 | 9142 | 1.0      | 74.6     | 6.6      | 58       | 0.05     | 16.9     | 15.4     | 569      | 3.15        | 5.4      | 0.5     | 5.2      | 3.1      | 26       | 0.049    |
| 11YM0143  | Alberta Creek | 633093 | 6987105 | 9141 | 0.7      | 14.0     | 10.0     | 43       | 0.05     | 12.7     | 7.4      | 222      | 3.22        | 8.2      | 0.9     | 2.1      | 4.3      | 16       | 0.049    |
| 11YM0142  | Alberta Creek | 633095 | 6987055 | 9140 | 0.9      | 15.8     | 7.7      | 70       | 0.05     | 16.1     | 13.4     | 399      | 3.67        | 7.5      | 0.4     | 1.5      | 2.5      | 19       | 0.1      |
| 11YM0141  | Alberta Creek | 633100 | 6987002 | 9139 | 1.5      | 15.5     | 9.4      | 59       | 0.05     | 14.0     | 8.5      | 306      | 4.08        | 11       | 0.5     | 5.1      | 2.5      | 11       | 0.1      |
| 11YM0140  | Skookum West  | 622126 | 6989091 | 7836 | 0.9      | 18.2     | 5.4      | 77       | 0.05     | 16.4     | 12.3     | 498      | 3.04        | 6.6      | 0.7     | 2.1      | 2.6      | 38       | 0.2      |
| 11YM0139  | Skookum West  | 622123 | 6989117 | 7835 | 1.0      | 23.8     | 6.7      | 86       | 0.05     | 17.6     | 14.3     | 453      | 3.41        | 6.5      | 0.8     | 2.3      | 3.2      | 44       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11YM0138  | Skookum West | 622123 | 6989133 | 7834 | 1.3      | 27.5     | 6.4      | 72       | 0.05     | 23.3     | 14.6     | 570      | 2.91        | 4.6      | 0.8     | 3        | 2.1      | 52       | 0.1      |
| 11YM0137  | Skookum West | 622121 | 6989165 | 7833 | 2.0      | 31.8     | 7.5      | 80       | 0.05     | 40.1     | 20.5     | 702      | 3.51        | 5.6      | 0.7     | 2.4      | 1.9      | 38       | 0.2      |
| 11YM0136  | Skookum West | 622123 | 6989191 | 7832 | 1.1      | 75.9     | 4.9      | 67       | 0.20     | 11.0     | 14.4     | 267      | 3.39        | 3.7      | 0.8     | 2        | 5        | 27       | 0.049    |
| 11YM0135  | Skookum West | 622119 | 6989219 | 7831 | 0.5      | 32.8     | 4.4      | 57       | 0.05     | 26.2     | 21.4     | 173      | 3.53        | 1.6      | 0.7     | 0.8      | 2.8      | 16       | 0.049    |
| 11YM0134  | Skookum West | 622126 | 6989241 | 7830 | 1.3      | 42.7     | 8.1      | 86       | 0.10     | 48.5     | 19.6     | 584      | 4.28        | 6.5      | 1       | 8.6      | 5.2      | 25       | 0.2      |
| 11YM0133  | Skookum West | 622120 | 6989262 | 7829 | 0.7      | 24.9     | 5.4      | 104      | 0.05     | 15.8     | 11       | 444      | 3.19        | 3.7      | 0.5     | 1.6      | 3.4      | 22       | 0.049    |
| 11YM0132  | Skookum West | 622122 | 6989290 | 7828 | 0.7      | 24.3     | 5.8      | 97       | 0.05     | 13.6     | 12.4     | 428      | 3.12        | 3        | 0.5     | 2        | 2.6      | 21       | 0.049    |
| 11YM0131  | Skookum West | 622117 | 6989317 | 7827 | 0.8      | 22.4     | 10.1     | 90       | 0.05     | 19.7     | 14.6     | 458      | 3.19        | 4.5      | 0.4     | 1.3      | 2        | 21       | 0.049    |
| 11YM0130  | Skookum West | 622117 | 6989334 | 7826 | 0.8      | 21.6     | 7.6      | 64       | 0.05     | 16.3     | 11.5     | 381      | 2.72        | 4.5      | 0.4     | 2.4      | 1.9      | 21       | 0.049    |
| 11YM0129  | Skookum West | 622113 | 6989366 | 7825 | 0.2      | 13.3     | 2.5      | 94       | 0.05     | 13.1     | 11.4     | 568      | 3.15        | 2.3      | 0.7     | 1.2      | 5        | 12       | 0.049    |
| 11YM0128  | Skookum West | 622110 | 6989394 | 7824 | 0.7      | 12.0     | 9.7      | 78       | 0.05     | 9.3      | 6.7      | 305      | 2.35        | 4.3      | 0.4     | 1.5      | 1.5      | 27       | 0.049    |
| 11YM0127  | Skookum West | 622110 | 6989416 | 7823 | 0.8      | 25.6     | 7.3      | 76       | 0.05     | 17.8     | 12.4     | 328      | 3.26        | 6.5      | 0.7     | 2.8      | 3.1      | 30       | 0.049    |
| 11YM0126  | Skookum West | 622110 | 6989442 | 7822 | 0.7      | 24.7     | 4.0      | 98       | 0.05     | 17.0     | 13.1     | 545      | 4.34        | 3.7      | 0.5     | 1.2      | 3.1      | 19       | 0.049    |
| 11YM0125  | Skookum West | 622111 | 6989463 | 7821 | 1.9      | 45.4     | 22.9     | 64       | 0.05     | 3.9      | 6.9      | 204      | 2.05        | 5        | 0.8     | 2.9      | 3.2      | 27       | 0.049    |
| 11YM0124  | Skookum West | 622114 | 6989482 | 7820 | 2.4      | 20.1     | 8.0      | 55       | 0.20     | 12.3     | 8.9      | 394      | 2.72        | 5.3      | 0.6     | 2.1      | 2.5      | 21       | 0.049    |
| 11YM0123  | Skookum West | 622108 | 6989512 | 7819 | 1.2      | 31.7     | 7.2      | 71       | 0.05     | 14.2     | 11.8     | 367      | 3.64        | 5.4      | 0.7     | 1.6      | 4.1      | 15       | 0.049    |
| 11YM0122  | Skookum West | 622105 | 6989537 | 7818 | 1.1      | 16.7     | 8.7      | 58       | 0.05     | 14.1     | 8        | 277      | 2.74        | 6.1      | 0.5     | 3.1      | 4        | 19       | 0.049    |
| 11YM0121  | Skookum West | 622104 | 6989562 | 7817 | 1.4      | 23.3     | 9.8      | 48       | 0.20     | 15.9     | 10.4     | 352      | 2.81        | 5.6      | 0.7     | 4.1      | 3.5      | 20       | 0.049    |
| 11YM0120  | Skookum West | 622109 | 6989587 | 7816 | 1.1      | 38.2     | 9.0      | 66       | 0.20     | 20.1     | 14.1     | 777      | 3.12        | 6        | 1.9     | 3.8      | 4.3      | 29       | 0.2      |
| 11YM0119  | Skookum West | 622104 | 6989611 | 7815 | 1.2      | 22.9     | 7.5      | 71       | 0.05     | 23.7     | 13.2     | 411      | 3.22        | 4.7      | 0.8     | 2.6      | 3.5      | 27       | 0.049    |
| 11YM0118  | Skookum West | 622228 | 6989045 | 7814 | 1.3      | 29.2     | 9.1      | 90       | 0.20     | 20.9     | 16.7     | 577      | 3.3         | 3.5      | 0.8     | 4.4      | 2.4      | 37       | 0.1      |
| 11YM0117  | Skookum West | 622228 | 6989071 | 7813 | 1.3      | 27.4     | 9.6      | 85       | 0.20     | 19.6     | 16.4     | 544      | 3.14        | 3.4      | 0.8     | 4.9      | 2.3      | 36       | 0.1      |
| 11YM0116  | Skookum West | 622216 | 6989099 | 7812 | 0.7      | 16.4     | 6.1      | 76       | 0.10     | 13.8     | 12.4     | 257      | 2.34        | 3.3      | 0.6     | 5.6      | 1.6      | 30       | 0.049    |
| 11YM0115  | Skookum West | 622221 | 6989116 | 7811 | 1.0      | 16.7     | 6.4      | 71       | 0.05     | 11.2     | 11.7     | 265      | 2.38        | 4.1      | 0.6     | 2.4      | 1.8      | 27       | 0.1      |
| 11YM0114  | Skookum West | 622220 | 6989139 | 7810 | 1.0      | 17.5     | 7.2      | 75       | 0.10     | 11.1     | 9.8      | 262      | 2.41        | 3.7      | 0.6     | 2.8      | 1.8      | 27       | 0.1      |
| 11YM0113  | Skookum West | 622225 | 6989172 | 7809 | 0.6      | 20.5     | 7.5      | 78       | 0.10     | 20.4     | 13.1     | 553      | 2.95        | 6.7      | 1.1     | 4.1      | 2.4      | 58       | 0.3      |
| 11YM0112  | Skookum West | 622210 | 6989190 | 7808 | 0.7      | 23.3     | 4.1      | 62       | 0.05     | 11.1     | 11       | 379      | 2.95        | 3.2      | 0.4     | 2.5      | 1.5      | 17       | 0.049    |
| 11YM0111  | Skookum West | 622222 | 6989221 | 7807 | 0.8      | 26.9     | 3.5      | 67       | 0.05     | 12.0     | 11.1     | 348      | 2.9         | 3.3      | 0.4     | 2.1      | 2.1      | 15       | 0.049    |
| 11YM0110  | Skookum West | 622227 | 6989241 | 7806 | 1.0      | 17.5     | 3.0      | 69       | 0.05     | 7.8      | 10       | 412      | 3.12        | 3.9      | 0.3     | 0.8      | 1.8      | 12       | 0.049    |
| 11YM0109  | Skookum West | 622219 | 6989267 | 7805 | 1.5      | 30.4     | 4.6      | 55       | 0.05     | 13.1     | 13.1     | 383      | 3.27        | 4.1      | 0.3     | 3        | 1.1      | 20       | 0.049    |
| 11YM0108  | Skookum West | 622217 | 6989293 | 7804 | 0.6      | 36.2     | 4.7      | 77       | 0.05     | 13.0     | 18.1     | 430      | 4.05        | 3.3      | 0.2     | 0.7      | 1.1      | 19       | 0.049    |
| 11YM0107  | Skookum West | 622215 | 6989319 | 7803 | 0.9      | 36.3     | 9.9      | 60       | 0.20     | 17.1     | 15.4     | 533      | 3.25        | 5.7      | 0.6     | 2.6      | 2.6      | 29       | 0.049    |
| 11YM0106  | Skookum West | 622214 | 6989342 | 7802 | 0.7      | 52.2     | 4.9      | 86       | 0.05     | 14.5     | 22.2     | 521      | 4.67        | 3.9      | 0.3     | 1.1      | 1.5      | 17       | 0.049    |
| 11YM0105  | Skookum West | 622214 | 6989363 | 7801 | 1.1      | 21.3     | 8.2      | 63       | 0.05     | 12.1     | 12       | 346      | 3.17        | 5.4      | 0.6     | 2.9      | 2.2      | 17       | 0.049    |
| 11YM0104  | Skookum West | 622217 | 6989393 | 7800 | 0.8      | 24.4     | 5.0      | 73       | 0.05     | 17.1     | 16.4     | 421      | 3.54        | 3.1      | 0.4     | 12       | 2.5      | 21       | 0.049    |
| 11YM0103  | Skookum West | 622213 | 6989412 | 7799 | 1.4      | 28.8     | 6.7      | 79       | 0.10     | 12.7     | 11.8     | 541      | 3.85        | 5.1      | 0.7     | 14.3     | 3.8      | 15       | 0.049    |
| 11YM0102  | Skookum West | 622211 | 6989441 | 7658 | 1.1      | 15.5     | 7.2      | 74       | 0.05     | 11.4     | 10.2     | 386      | 3.91        | 4.6      | 0.5     | 2.5      | 2.5      | 20       | 0.049    |
| 11YM0101  | Skookum West | 622210 | 6989468 | 7797 | 0.9      | 20.4     | 8.2      | 61       | 0.05     | 15.6     | 13.6     | 320      | 3.06        | 5.4      | 0.3     | 0.8      | 1.9      | 19       | 0.049    |
| 11YM0100  | Skookum West | 622207 | 6989494 | 7796 | 1.5      | 9.4      | 6.3      | 45       | 0.10     | 9.6      | 8.7      | 344      | 2.33        | 4.3      | 0.4     | 0.249    | 2.6      | 15       | 0.049    |
| 11YM0099  | Skookum West | 622212 | 6989519 | 7795 | 0.9      | 14.5     | 5.4      | 71       | 0.05     | 12.2     | 15.4     | 529      | 3.16        | 3.7      | 0.2     | 1.1      | 1.2      | 24       | 0.049    |
| 11YM0098  | Skookum West | 622206 | 6989543 | 7794 | 0.6      | 21.1     | 5.8      | 84       | 0.05     | 15.3     | 15       | 447      | 3.56        | 5.1      | 0.3     | 0.6      | 1.2      | 25       | 0.049    |
| 11YM0097  | Skookum West | 622203 | 6989565 | 7793 | 0.9      | 25.0     | 9.0      | 64       | 0.05     | 21.0     | 14.3     | 344      | 3.21        | 7.5      | 0.6     | 9.2      | 3        | 23       | 0.049    |
| 11YM0096  | Skookum West | 622204 | 6989599 | 7792 | 1.2      | 24.1     | 7.0      | 57       | 0.05     | 12.7     | 12.8     | 372      | 2.98        | 5.7      | 0.5     | 5.5      | 1.8      | 20       | 0.049    |
| 11YM0095  | Skookum West | 622207 | 6989622 | 7791 | 0.8      | 17.2     | 6.3      | 60       | 0.05     | 11.5     | 11.7     | 324      | 2.86        | 4.6      | 0.3     | 1.4      | 1.3      | 18       | 0.049    |
| 11YM0094  | Skookum West | 622404 | 6989632 | 7790 | 0.8      | 18.9     | 7.8      | 83       | 0.10     | 11.9     | 12.7     | 422      | 3.33        | 3.1      | 0.8     | 1.4      | 2.5      | 15       | 0.1      |
| 11YM0093  | Skookum West | 622402 | 6989603 | 7789 | 1.1      | 18.5     | 7.9      | 67       | 0.10     | 13.9     | 12.1     | 264      | 3.45        | 6.6      | 0.6     | 3.9      | 3        | 15       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|
| 11YM0092  | Skookum West | 622406 | 6989581 | 7788 | 0.7      | 19.5     | 5.3      | 91       | 0.05     | 12.4     | 16.1     | 467      | 3.68     | 3.7      | 0.5     | 1.3      | 2.2      | 11       | 0.1      |
| 11YM0091  | Skookum West | 622408 | 6989553 | 7787 | 2.2      | 37.0     | 7.0      | 66       | 0.05     | 17.3     | 14.1     | 297      | 3.89     | 6.7      | 0.5     | 2.9      | 2.9      | 19       | 0.049    |
| 11YM0090  | Skookum West | 622409 | 6989528 | 7786 | 0.9      | 23.7     | 4.9      | 85       | 0.05     | 9.9      | 11.4     | 340      | 3.88     | 4.2      | 0.4     | 1        | 1.9      | 19       | 0.049    |
| 11YM0089  | Skookum West | 622413 | 6989507 | 7785 | 1.0      | 24.9     | 7.7      | 71       | 0.05     | 16.4     | 8.4      | 277      | 3.41     | 6.6      | 0.6     | 1.2      | 3.8      | 13       | 0.049    |
| 11YM0088  | Skookum West | 622409 | 6989482 | 7784 | 0.6      | 27.8     | 4.0      | 88       | 0.05     | 6.6      | 15       | 276      | 4.12     | 4.4      | 0.3     | 0.249    | 1.6      | 13       | 0.049    |
| 11YM0087  | Skookum West | 622411 | 6989460 | 7783 | 0.6      | 19.9     | 4.8      | 75       | 0.05     | 12.5     | 13.2     | 359      | 3.53     | 4.6      | 0.4     | 1.4      | 2        | 17       | 0.049    |
| 11YM0086  | Skookum West | 622419 | 6989433 | 7782 | 0.5      | 17.8     | 5.0      | 91       | 0.05     | 15.9     | 17.1     | 470      | 3.6      | 4.6      | 0.3     | 1.8      | 2        | 23       | 0.049    |
| 11YM0085  | Skookum West | 622420 | 6989410 | 7781 | 0.3      | 20.7     | 4.8      | 69       | 0.05     | 18.2     | 16.5     | 413      | 2.94     | 3.7      | 0.4     | 2.7      | 1.7      | 30       | 0.049    |
| 11YM0084  | Skookum West | 622419 | 6989381 | 7780 | 0.9      | 20.5     | 5.5      | 76       | 0.05     | 11.8     | 11.6     | 519      | 3.65     | 5.6      | 0.4     | 1.1      | 2        | 14       | 0.049    |
| 11YM0083  | Skookum West | 622416 | 6989355 | 7779 | 0.9      | 21.6     | 7.7      | 60       | 0.05     | 19.1     | 12       | 423      | 3.05     | 7.8      | 0.5     | 0.9      | 3.3      | 23       | 0.049    |
| 11YM0082  | Skookum West | 622419 | 6989327 | 7778 | 1.0      | 29.1     | 6.9      | 68       | 0.05     | 19.5     | 12.1     | 312      | 3.3      | 8.7      | 0.5     | 2.4      | 2.4      | 19       | 0.049    |
| 11YM0081  | Skookum West | 622419 | 6989308 | 7777 | 1.0      | 21.5     | 7.4      | 67       | 0.05     | 14.4     | 12.2     | 392      | 3.21     | 6.3      | 0.8     | 2.7      | 2.7      | 23       | 0.049    |
| 11YM0080  | Skookum West | 622414 | 6989277 | 7776 | 0.6      | 19.8     | 8.0      | 114      | 0.05     | 14.5     | 12.5     | 373      | 3.47     | 6.4      | 0.5     | 1.6      | 2.6      | 39       | 0.1      |
| 11YM0079  | Skookum West | 622414 | 6989248 | 7775 | 0.6      | 20.7     | 5.5      | 98       | 0.10     | 11.4     | 13.2     | 521      | 3.41     | 3.7      | 0.6     | 2.3      | 1.7      | 33       | 0.049    |
| 11YM0078  | Skookum West | 622416 | 6989230 | 7774 | 0.9      | 19.0     | 7.3      | 75       | 0.10     | 13.9     | 10.5     | 472      | 3.01     | 5.8      | 0.8     | 2.6      | 2.2      | 38       | 0.1      |
| 11YM0077  | Skookum West | 622426 | 6989209 | 7773 | 0.8      | 23.1     | 7.0      | 71       | 0.20     | 34.2     | 13       | 451      | 3.14     | 5        | 0.9     | 2.7      | 2.5      | 45       | 0.1      |
| 11YM0076  | Skookum West | 622420 | 6989184 | 7772 | 0.8      | 16.7     | 6.0      | 52       | 0.30     | 20.2     | 9.1      | 283      | 2.44     | 3.8      | 0.6     | 2.7      | 1.5      | 26       | 0.049    |
| 11YM0075  | Skookum West | 622421 | 6989155 | 7771 | 0.8      | 18.4     | 7.7      | 52       | 0.30     | 17.5     | 8        | 259      | 2.51     | 6.9      | 0.6     | 2.3      | 1.7      | 25       | 0.049    |
| 11YM0074  | Skookum West | 622422 | 6989129 | 7770 | 0.9      | 16.8     | 4.4      | 64       | 0.10     | 12.9     | 8.6      | 266      | 2.51     | 7.2      | 0.3     | 1.6      | 1.1      | 21       | 0.049    |
| 11YM0073  | Skookum West | 622426 | 6989103 | 7769 | 0.8      | 19.8     | 5.2      | 70       | 0.05     | 18.8     | 11.5     | 352      | 3.03     | 8        | 0.3     | 1.5      | 1.5      | 25       | 0.049    |
| 11YM0072  | Skookum West | 622428 | 6989085 | 7768 | 1.3      | 24.8     | 8.0      | 81       | 0.30     | 16.8     | 14.5     | 775      | 3.7      | 16.4     | 1.3     | 4.4      | 3.1      | 35       | 0.2      |
| 11YM0071  | Skookum West | 622431 | 6989057 | 7767 | 1.5      | 29.4     | 10.1     | 83       | 0.30     | 22.7     | 17.3     | 975      | 3.76     | 30.1     | 1.4     | 3.8      | 2.4      | 45       | 0.3      |
| 11YM0070  | Skookum West | 622429 | 6989032 | 7766 | 0.9      | 23.4     | 7.2      | 80       | 0.20     | 14.9     | 14.8     | 725      | 3.6      | 7.7      | 1.2     | 3.1      | 3.4      | 38       | 0.3      |
| 11YM0069  | Skookum West | 622429 | 6989008 | 7765 | 0.7      | 19.9     | 6.7      | 73       | 0.10     | 11.0     | 14.9     | 636      | 3.28     | 5        | 1       | 2.4      | 3.7      | 32       | 0.2      |
| 11YM0068  | Skookum West | 622432 | 6988980 | 7764 | 0.9      | 16.7     | 7.6      | 79       | 0.05     | 10.0     | 10       | 445      | 3.22     | 4.5      | 0.6     | 7.2      | 3.2      | 24       | 0.049    |
| 11YM0067  | Skookum West | 622433 | 6988957 | 7763 | 0.9      | 13.8     | 12.3     | 44       | 0.20     | 9.7      | 5.7      | 186      | 2.28     | 5        | 0.6     | 2.6      | 2.5      | 20       | 0.049    |
| 11YM0066  | Skookum West | 622435 | 6988936 | 7762 | 0.7      | 22.2     | 5.3      | 130      | 0.05     | 10.5     | 23.6     | 776      | 4.69     | 3.4      | 0.6     | 1.1      | 2.5      | 29       | 0.049    |
| 11YM0065  | Skookum West | 622433 | 6988905 | 7761 | 1.0      | 23.8     | 9.2      | 67       | 0.10     | 15.9     | 12.2     | 408      | 3.39     | 6.8      | 0.5     | 3.9      | 3        | 20       | 0.049    |
| 11YM0064  | Skookum West | 622437 | 6988881 | 7760 | 0.6      | 31.0     | 5.2      | 119      | 0.10     | 13.1     | 15.4     | 699      | 4.36     | 4.2      | 0.8     | 4.5      | 3.7      | 36       | 0.049    |
| 11YM0063  | Skookum West | 622435 | 6988854 | 7759 | 1.0      | 24.2     | 15.0     | 63       | 0.20     | 16.5     | 14.6     | 855      | 3.52     | 6.1      | 0.8     | 3.4      | 3.5      | 38       | 0.049    |
| 11YM0062  | Skookum West | 622436 | 6988827 | 7758 | 0.9      | 24.7     | 8.6      | 68       | 0.20     | 15.0     | 11.8     | 482      | 3.17     | 5.7      | 0.9     | 6.4      | 3.3      | 36       | 0.1      |
| 11YM0061  | Skookum West | 622436 | 6988803 | 7757 | 1.4      | 26.9     | 8.7      | 74       | 0.20     | 14.1     | 13.1     | 497      | 3.11     | 6.7      | 1       | 1.7      | 2.4      | 24       | 0.1      |
| 11YM0060  | Skookum West | 622443 | 6988782 | 7756 | 1.1      | 29.7     | 7.4      | 62       | 0.30     | 12.5     | 12.8     | 402      | 2.91     | 5.5      | 1.2     | 3.5      | 2.5      | 33       | 0.049    |
| 11YM0059  | Skookum West | 622443 | 6988782 | 7755 | 1.2      | 29.5     | 7.7      | 64       | 0.30     | 12.8     | 12.5     | 444      | 2.89     | 5.5      | 1.2     | 6.7      | 2.4      | 35       | 0.049    |
| 11YM0058  | Skookum West | 622441 | 6988725 | 7754 | 1.0      | 16.9     | 6.6      | 75       | 0.05     | 10.6     | 11.6     | 352      | 2.8      | 1.1      | 0.6     | 2.5      | 4.3      | 28       | 0.049    |
| 11YM0057  | Skookum West | 622442 | 6988678 | 7753 | 1.6      | 26.4     | 11.2     | 66       | 0.05     | 17.2     | 11.5     | 469      | 2.77     | 6        | 1.2     | 2.8      | 3.6      | 35       | 0.049    |
| 11YM0056  | Skookum West | 622444 | 6988677 | 7752 | 1.3      | 23.7     | 9.4      | 68       | 0.05     | 15.3     | 11.3     | 441      | 2.78     | 5.5      | 1       | 2        | 3.6      | 35       | 0.049    |
| 11YM0055  | Skookum West | 622444 | 6988661 | 7751 | 1.3      | 23.7     | 11.9     | 62       | 0.05     | 19.3     | 10.9     | 334      | 2.77     | 7.1      | 1       | 4.2      | 3.9      | 37       | 0.049    |
| 11YM0054  | Skookum West | 622445 | 6988634 | 7750 | 1.7      | 29.8     | 17.2     | 159      | 0.20     | 36.1     | 14.1     | 622      | 3.22     | 7.6      | 2       | 1.2      | 4.8      | 68       | 1        |
| 11YM0053  | Skookum West | 622440 | 6988604 | 7749 | 2.0      | 15.3     | 30.6     | 162      | 0.20     | 18.5     | 9.4      | 370      | 2.83     | 7.1      | 1.8     | 3.5      | 9.4      | 35       | 0.2      |
| 11YM0052  | Skookum West | 622447 | 6988583 | 7748 | 1.8      | 21.9     | 26.3     | 75       | 0.30     | 22.0     | 7.4      | 356      | 2.36     | 6        | 2.3     | 2        | 4.9      | 37       | 0.1      |
| 11YM0051  | Skookum West | 622451 | 6988556 | 7747 | 3.0      | 43.2     | 146.9    | 468      | 0.70     | 5.7      | 6.7      | 444      | 4.03     | 25.3     | 4.5     | 3.8      | 17.8     | 55       | 0.8      |
| 11YM0050  | Skookum West | 622444 | 6988532 | 7746 | 1.8      | 16.5     | 69.4     | 99       | 0.30     | 2.9      | 3.3      | 168      | 3.18     | 30.7     | 3.2     | 4.3      | 12.4     | 72       | 0.2      |
| 11YM0049  | Skookum West | 622449 | 6988508 | 7745 | 1.9      | 18.7     | 46.1     | 115      | 0.20     | 5.7      | 7.3      | 277      | 2.87     | 23.1     | 4.8     | 4        | 14.6     | 42       | 0.3      |
| 11YM0048  | Skookum West | 622455 | 6988480 | 7744 | 3.4      | 16.1     | 38.8     | 84       | 0.20     | 6.6      | 5.1      | 176      | 3.11     | 27.4     | 2.2     | 4        | 11.9     | 56       | 0.049    |
| 11YM0047  | Skookum West | 622654 | 6988485 | 7743 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11YM0046  | Skookum West | 622653 | 6988485 | 7742 | 1.4      | 9.3      | 9.6      | 37       | 0.05     | 6.5      | 3.8      | 276      | 1.85        | 3.8      | 0.3     | 2.7      | 1.2      | 12       | 0.1      |
| 11YM0045  | Skookum West | 622638 | 6988544 | 7741 | 1.3      | 16.3     | 16.1     | 64       | 0.05     | 11.7     | 8        | 379      | 2.9         | 9.2      | 0.4     | 1.3      | 2.4      | 19       | 0.049    |
| 11YM0044  | Skookum West | 622650 | 6988563 | 7740 | 1.0      | 9.7      | 9.1      | 68       | 0.05     | 9.3      | 7        | 609      | 2.38        | 5.3      | 0.3     | 1.3      | 1.6      | 19       | 0.1      |
| 11YM0043  | Skookum West | 622645 | 6988583 | 7739 | 1.2      | 23.5     | 12.9     | 73       | 0.10     | 18.5     | 10.9     | 399      | 3.29        | 8        | 0.7     | 5.8      | 5.8      | 23       | 0.049    |
| 11YM0042  | Skookum West | 622647 | 6988609 | 7738 | 1.5      | 13.9     | 11.7     | 65       | 0.20     | 16.1     | 8.4      | 351      | 3.17        | 8.7      | 0.5     | 1        | 3.5      | 13       | 0.049    |
| 11YM0041  | Skookum West | 622644 | 6988637 | 7737 | 1.0      | 23.9     | 11.7     | 58       | 0.05     | 20.2     | 10.2     | 336      | 2.84        | 6.8      | 0.6     | 2.1      | 3.1      | 22       | 0.049    |
| 11YM0040  | Skookum West | 622643 | 6988663 | 7736 | 1.2      | 21.6     | 12.8     | 54       | 0.10     | 18.3     | 10.1     | 286      | 3.02        | 5        | 0.5     | 4.6      | 2.9      | 21       | 0.049    |
| 11YM0039  | Skookum West | 622642 | 6988683 | 7735 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11YM0038  | Skookum West | 622642 | 6988708 | 7734 | 1.1      | 28.4     | 12.1     | 54       | 0.20     | 22.2     | 11.7     | 295      | 2.86        | 5.2      | 0.8     | 2.3      | 3.1      | 26       | 0.049    |
| 11YM0037  | Skookum West | 622644 | 6988731 | 7733 | 0.9      | 25.0     | 10.4     | 52       | 0.20     | 17.6     | 10.5     | 324      | 2.76        | 5.4      | 0.9     | 2.4      | 3.1      | 29       | 0.049    |
| 11YM0036  | Skookum West | 622644 | 6988752 | 7732 | 1.4      | 26.5     | 9.9      | 57       | 0.20     | 16.8     | 14.4     | 350      | 3.07        | 3.9      | 0.7     | 3.6      | 2.5      | 23       | 0.049    |
| 11YM0035  | Skookum West | 622638 | 6988786 | 7731 | 1.1      | 24.5     | 6.8      | 69       | 0.10     | 12.7     | 12.9     | 384      | 3.46        | 3.3      | 0.5     | 31.3     | 2.1      | 18       | 0.049    |
| 11YM0034  | Skookum West | 622637 | 6988806 | 7730 | 0.9      | 23.5     | 6.6      | 56       | 0.10     | 8.8      | 9.8      | 255      | 3.06        | 3.8      | 0.4     | 3.9      | 1.7      | 17       | 0.049    |
| 11YM0033  | Skookum West | 622634 | 6988831 | 7729 | 1.2      | 25.3     | 8.5      | 73       | 0.20     | 12.8     | 11.1     | 339      | 3.19        | 6.5      | 0.6     | 2.9      | 2.3      | 20       | 0.049    |
| 11YM0032  | Skookum West | 622636 | 6988866 | 7728 | 1.3      | 20.6     | 5.4      | 86       | 0.10     | 8.6      | 11.2     | 450      | 3.48        | 2.4      | 0.5     | 1.5      | 2        | 17       | 0.1      |
| 11YM0031  | Skookum West | 622640 | 6988883 | 7727 | 1.2      | 20.9     | 7.0      | 97       | 0.20     | 8.1      | 11.6     | 365      | 3.49        | 3.4      | 0.6     | 2.3      | 1.8      | 21       | 0.1      |
| 11YM0030  | Skookum West | 622627 | 6988941 | 7726 | 1.2      | 23.0     | 6.4      | 71       | 0.10     | 13.7     | 13       | 292      | 3.72        | 5.9      | 0.5     | 2.3      | 2.2      | 18       | 0.049    |
| 11YM0029  | Skookum West | 622628 | 6988940 | 7725 | 1.4      | 26.2     | 6.2      | 73       | 0.10     | 14.1     | 14.7     | 312      | 4           | 6.4      | 0.5     | 2.7      | 2.5      | 19       | 0.049    |
| 11YM0028  | Skookum West | 622626 | 6988961 | 7724 | 0.9      | 22.1     | 6.9      | 65       | 0.20     | 11.8     | 11.2     | 283      | 3.33        | 5        | 0.6     | 2.9      | 1.8      | 27       | 0.049    |
| 11YM0027  | Skookum West | 622630 | 6988978 | 7723 | 1.7      | 31.6     | 5.9      | 94       | 0.20     | 8.1      | 18.7     | 652      | 5.03        | 18.8     | 0.5     | 5.1      | 1.4      | 34       | 0.1      |
| 11YM0026  | Skookum West | 622627 | 6989008 | 7722 | 1.1      | 18.8     | 16.4     | 78       | 0.30     | 9.9      | 9.9      | 354      | 2.88        | 5.8      | 1.1     | 1.2      | 2.1      | 53       | 0.3      |
| 11YM0025  | Skookum West | 622628 | 6989033 | 7721 | 0.9      | 24.2     | 6.0      | 89       | 0.10     | 25.7     | 15.2     | 491      | 3.89        | 2.4      | 0.8     | 3.3      | 2.6      | 37       | 0.049    |
| 11YM0024  | Skookum West | 622628 | 6989053 | 7720 | 0.9      | 24.9     | 6.2      | 83       | 0.10     | 47.7     | 16.6     | 489      | 3.71        | 2.9      | 0.7     | 0.9      | 2.9      | 49       | 0.049    |
| 11YM0023  | Skookum West | 622629 | 6989081 | 7719 | 0.6      | 36.3     | 6.9      | 77       | 0.20     | 77.1     | 18.3     | 662      | 3.24        | 2.3      | 1.6     | 1.8      | 3.7      | 90       | 0.2      |
| 11YM0022  | Skookum West | 622621 | 6989103 | 7718 | 0.5      | 31.1     | 6.6      | 83       | 0.10     | 73.3     | 19.4     | 572      | 3.75        | 2.7      | 1.3     | 2        | 4.2      | 92       | 0.1      |
| 11YM0021  | Skookum West | 622620 | 6989131 | 7717 | 0.6      | 28.9     | 7.2      | 84       | 0.05     | 44.3     | 14.9     | 478      | 3.38        | 3.7      | 1.1     | 1.9      | 3.4      | 52       | 0.1      |
| 11YM0020  | Skookum West | 622625 | 6989160 | 7716 | 0.6      | 27.9     | 7.2      | 82       | 0.10     | 29.0     | 14.8     | 563      | 3.57        | 3.1      | 1.1     | 1.6      | 2.8      | 41       | 0.2      |
| 11YM0019  | Skookum West | 622623 | 6989188 | 7715 | 0.8      | 18.4     | 8.5      | 82       | 0.10     | 19.0     | 12.8     | 393      | 3.42        | 2.8      | 0.6     | 1.8      | 2.5      | 23       | 0.049    |
| 11YM0018  | Skookum West | 622617 | 6989213 | 7714 | 0.9      | 20.5     | 9.1      | 82       | 0.10     | 18.8     | 11.8     | 367      | 3.07        | 2.6      | 0.9     | 2.1      | 2.5      | 34       | 0.1      |
| 11YM0017  | Skookum West | 622622 | 6989232 | 7713 | 1.8      | 23.8     | 9.5      | 71       | 0.20     | 15.7     | 12.3     | 499      | 3.04        | 3.6      | 0.8     | 1.8      | 2.7      | 18       | 0.1      |
| 11YM0016  | Skookum West | 622617 | 6989255 | 7712 | 1.9      | 30.7     | 17.2     | 69       | 0.40     | 17.1     | 10.5     | 472      | 2.89        | 3.5      | 1.3     | 5.5      | 2.5      | 25       | 0.2      |
| 11YM0015  | Skookum West | 622621 | 6989282 | 7711 | 1.4      | 24.6     | 9.3      | 75       | 0.20     | 15.3     | 11.9     | 537      | 2.74        | 4.1      | 0.8     | 2.3      | 2.5      | 21       | 0.2      |
| 11YM0014  | Skookum West | 622616 | 6989305 | 7710 | 1.6      | 37.3     | 7.3      | 76       | 0.50     | 23.3     | 15.6     | 764      | 2.75        | 4.5      | 1.3     | 8.4      | 1.9      | 29       | 0.2      |
| 11YM0013  | Skookum West | 622615 | 6989329 | 7709 | 1.3      | 46.7     | 10.0     | 83       | 0.20     | 17.8     | 12.3     | 968      | 3           | 4.5      | 1.1     | 3.4      | 3        | 32       | 0.4      |
| 11YM0012  | Skookum West | 622616 | 6989355 | 7708 | 0.9      | 42.8     | 7.8      | 100      | 0.05     | 18.4     | 13.1     | 481      | 3.6         | 5.2      | 0.4     | 11.7     | 2.5      | 19       | 0.1      |
| 11YM0011  | Skookum West | 622613 | 6989384 | 7707 | 0.9      | 25.5     | 11.6     | 94       | 0.10     | 19.8     | 12.8     | 826      | 3.19        | 5.4      | 0.5     | 0.249    | 2.7      | 34       | 0.4      |
| 11YM0010  | Skookum West | 622615 | 6989411 | 7706 | 1.3      | 29.4     | 15.0     | 108      | 0.05     | 19.1     | 13.5     | 523      | 3.61        | 5.1      | 0.6     | 3.3      | 3        | 21       | 0.3      |
| 11YM0009  | Skookum West | 622615 | 6989436 | 7705 | 0.8      | 52.3     | 17.5     | 103      | 0.10     | 27.1     | 14.4     | 513      | 3.46        | 7.7      | 0.7     | 2.4      | 4.2      | 18       | 0.2      |
| 11YM0008  | Skookum West | 622612 | 6989459 | 7704 | 0.7      | 47.1     | 22.4     | 173      | 0.05     | 17.8     | 16.2     | 530      | 3.9         | 2.8      | 0.4     | 0.249    | 2        | 14       | 0.6      |
| 11YM0007  | Skookum West | 622609 | 6989482 | 7703 | 1.0      | 40.4     | 11.0     | 84       | 0.05     | 30.3     | 14.6     | 620      | 3.48        | 6.2      | 0.3     | 0.249    | 1.5      | 24       | 0.3      |
| 11YM0006  | Skookum West | 622611 | 6989500 | 7702 | 0.9      | 56.1     | 8.7      | 99       | 0.10     | 19.7     | 16       | 691      | 4.22        | 5.1      | 0.3     | 1.1      | 1.6      | 23       | 0.3      |
| 11YM0005  | Skookum West | 622606 | 6989535 | 7701 | 0.8      | 36.5     | 9.4      | 88       | 0.05     | 17.9     | 12       | 447      | 3.37        | 5        | 0.5     | 2.4      | 2.8      | 18       | 0.1      |
| 11YM0004  | Skookum West | 622608 | 6989534 | 7700 | 1.1      | 15.5     | 12.0     | 75       | 0.10     | 11.4     | 8.2      | 579      | 2.75        | 6        | 0.4     | 0.249    | 2.2      | 15       | 0.2      |
| 11YM0003  | Skookum West | 622606 | 6989582 | 7699 | 0.3      | 9.2      | 2.1      | 107      | 0.05     | 5.6      | 12.6     | 840      | 1.83        | 3.6      | 0.2     | 0.249    | 2.2      | 6        | 0.049    |
| 11YM0002  | Skookum West | 622608 | 6989602 | 7698 | 0.5      | 9.4      | 4.4      | 75       | 0.05     | 8.1      | 8.1      | 489      | 1.68        | 2.3      | 0.3     | 1        | 2.1      | 10       | 0.049    |
| 11YM0001  | Skookum West | 622593 | 6989631 | 7697 | 0.6      | 20.8     | 5.6      | 85       | 0.05     | 16.3     | 12.2     | 474      | 3           | 4.7      | 0.3     | 3.9      | 3.5      | 9        | 0.049    |

| Sample No  | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|------------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB1260   | Skookum Main | 622752 | 6988516 | 6705 | 0.8      | 26.8     | 7.7      | 66       | 0.10     | 18.7     | 13       | 669      | 3.31        | 7.5      | 0.5     | 3.4      | 3.7      | 26       | 0.049    |
| 11TB1259   | Skookum Main | 622746 | 6988567 | 6704 | 1.7      | 23.1     | 7.7      | 72       | 0.05     | 8.9      | 7        | 732      | 2.55        | 11       | 0.8     | 0.9      | 5        | 26       | 0.2      |
| 11TB1258   | Skookum Main | 622749 | 6988617 | 6703 | 1.1      | 22.3     | 24.7     | 85       | 0.05     | 12.8     | 8        | 326      | 3.28        | 9.2      | 0.6     | 3        | 3.7      | 14       | 0.2      |
| 11TB1257   | Skookum Main | 622739 | 6988657 | 6702 | 1.0      | 32.5     | 5.2      | 83       | 0.20     | 45.6     | 20       | 806      | 4.62        | 5.8      | 0.4     | 194.3    | 2        | 19       | 0.2      |
| 11TB1256   | Skookum Main | 622742 | 6988711 | 6701 | 1.1      | 26.9     | 8.7      | 40       | 0.40     | 9.4      | 14       | 622      | 2.37        | 4.7      | 0.6     | 3.8      | 2.3      | 21       | 0.1      |
| 11TB1255   | Skookum Main | 623738 | 6988763 | 6700 | 0.5      | 42.3     | 28.6     | 74       | 0.05     | 63.2     | 15.8     | 401      | 2.97        | 3.9      | 1.5     | 3.4      | 11.6     | 74       | 0.049    |
| 11TB1254   | Skookum Main | 622737 | 6988793 | 6699 | 0.8      | 21.0     | 8.0      | 54       | 0.20     | 11.8     | 11.1     | 327      | 2.63        | 4.8      | 0.8     | 11.5     | 2.5      | 21       | 0.1      |
| 11TB1253   | Skookum Main | 622737 | 6988870 | 6698 | 1.0      | 23.3     | 6.8      | 69       | 0.10     | 15.0     | 11.6     | 358      | 3.16        | 6.1      | 0.8     | 15.9     | 3.7      | 19       | 0.049    |
| 11TB1252   | Skookum Main | 622734 | 6988918 | 6697 | 0.8      | 20.4     | 7.6      | 63       | 0.05     | 14.5     | 10       | 327      | 2.87        | 7.2      | 0.6     | 2.5      | 3.5      | 18       | 0.049    |
| 11TB1251   | Skookum Main | 622726 | 6988964 | 6696 | 0.9      | 15.5     | 7.5      | 51       | 0.10     | 14.4     | 7.3      | 268      | 2.49        | 6.6      | 0.5     | 1.7      | 2.6      | 18       | 0.049    |
| 11TB1250   | Skookum West | 622725 | 6989066 | 6695 | 0.6      | 14.7     | 4.9      | 84       | 0.05     | 10.6     | 11.4     | 418      | 3.33        | 3.3      | 0.5     | 1.6      | 2.4      | 21       | 0.049    |
| 11TB1249   | Skookum West | 622725 | 6989118 | 6694 | 0.8      | 14.9     | 6.7      | 60       | 0.05     | 23.8     | 9.4      | 299      | 2.85        | 4.6      | 0.5     | 0.6      | 2.8      | 17       | 0.049    |
| 11TB1248   | Skookum West | 622722 | 6989167 | 6693 | 0.6      | 15.4     | 4.0      | 71       | 0.05     | 18.7     | 13.2     | 437      | 2.98        | 3.2      | 0.5     | 3.2      | 3        | 20       | 0.1      |
| 11TB1247   | Skookum West | 622718 | 6989215 | 6692 | 1.3      | 26.0     | 8.9      | 76       | 0.20     | 15.0     | 10.9     | 503      | 2.89        | 4.4      | 0.8     | 1.6      | 2.7      | 17       | 0.2      |
| 11TB1246   | Skookum West | 622714 | 6989271 | 6691 | 2.2      | 26.9     | 16.5     | 71       | 0.30     | 15.1     | 10.6     | 420      | 2.85        | 4.6      | 1       | 7        | 2.9      | 19       | 0.2      |
| 11TB1245   | Skookum West | 622717 | 6989322 | 6690 | 1.2      | 24.5     | 7.4      | 67       | 0.30     | 16.5     | 10.4     | 444      | 2.45        | 5.2      | 0.9     | 12.8     | 3        | 19       | 0.1      |
| 11TB1244   | Skookum West | 622719 | 6989361 | 6689 | 1.9      | 28.1     | 6.7      | 80       | 0.30     | 17.8     | 14.9     | 654      | 2.83        | 6.2      | 1.1     | 2.1      | 2.2      | 23       | 0.1      |
| 11TB1243   | Skookum West | 622709 | 6989416 | 6688 | 0.7      | 27.7     | 5.1      | 96       | 0.10     | 16.1     | 11.8     | 539      | 2.31        | 7.8      | 0.5     | 5.7      | 3.9      | 13       | 0.049    |
| 11TB1242   | Skookum West | 622710 | 6989464 | 6687 | 1.0      | 13.2     | 8.2      | 67       | 0.20     | 14.8     | 9        | 433      | 2.7         | 8.5      | 0.3     | 0.7      | 2.5      | 17       | 0.1      |
| 11TB1240   | Skookum West | 622706 | 6989513 | 6685 | 0.7      | 22.1     | 6.1      | 77       | 0.10     | 29.4     | 14.9     | 490      | 2.89        | 5.9      | 0.3     | 1        | 1.6      | 12       | 0.1      |
| 11TB1239   | Skookum West | 622709 | 6989570 | 6684 | 1.2      | 32.9     | 8.0      | 50       | 0.20     | 27.9     | 11.2     | 216      | 2.76        | 6.5      | 0.4     | 3.5      | 1.8      | 15       | 0.049    |
| 11TB1238   | Skookum West | 622702 | 6989614 | 6683 | 1.3      | 49.8     | 6.8      | 54       | 0.10     | 32.1     | 13.7     | 326      | 2.66        | 4.9      | 0.5     | 14.1     | 2.1      | 15       | 0.049    |
| 11TB1237   | Skookum West | 623881 | 6989671 | 6682 | 1.0      | 17.7     | 5.9      | 66       | 0.10     | 16.9     | 11.4     | 370      | 2.51        | 3        | 0.5     | 5.9      | 1.5      | 19       | 0.1      |
| 11TB1236   | Skookum West | 623833 | 6989681 | 6681 | 0.7      | 19.3     | 5.6      | 81       | 0.05     | 18.7     | 13.5     | 457      | 3.15        | 4.2      | 0.7     | 3.5      | 3        | 23       | 0.1      |
| 11TB1235   | Skookum West | 623789 | 6989676 | 6680 | 0.6      | 14.0     | 3.9      | 96       | 0.05     | 13.0     | 13.5     | 496      | 3.3         | 1.7      | 0.5     | 3.2      | 1.8      | 24       | 0.2      |
| 11TB1234   | Skookum West | 623739 | 6989676 | 6679 | 0.6      | 22.5     | 7.0      | 70       | 0.10     | 14.5     | 11.7     | 355      | 2.86        | 5.3      | 0.8     | 2.6      | 2.9      | 29       | 0.2      |
| 11TB1233   | Skookum West | 623687 | 6989679 | 6678 | 0.5      | 19.6     | 6.2      | 73       | 0.20     | 13.6     | 9.3      | 270      | 2.63        | 4.6      | 0.7     | 2.1      | 2.1      | 18       | 0.1      |
| 11TB1232   | Skookum West | 623639 | 6989674 | 6677 | 0.5      | 18.2     | 6.2      | 75       | 0.10     | 15.2     | 10.1     | 303      | 2.57        | 4.5      | 0.6     | 2.8      | 2.3      | 20       | 0.049    |
| 11TB1231   | Skookum West | 623586 | 6989674 | 6676 | 0.5      | 19.1     | 6.0      | 79       | 0.10     | 14.6     | 12.2     | 407      | 2.67        | 4.7      | 0.8     | 3.3      | 3.3      | 19       | 0.2      |
| 11TB1230.1 | Skookum West | 622885 | 6989643 | 6822 | 1.1      | 15.2     | 8.5      | 80       | 0.05     | 14.9     | 12.2     | 502      | 3.9         | 7.5      | 0.6     | 2.2      | 4.4      | 11       | 0.2      |
| 11TB1230   | Skookum West | 622908 | 6989646 | 6675 | 0.9      | 16.4     | 8.7      | 66       | 0.10     | 15.5     | 8.8      | 304      | 3.34        | 7.6      | 0.7     | 5.3      | 4.6      | 15       | 0.049    |
| 11TB1229   | Skookum West | 622935 | 6989664 | 6674 | 0.9      | 13.8     | 8.7      | 59       | 0.05     | 11.3     | 8.1      | 363      | 2.87        | 7        | 0.5     | 1.9      | 3.4      | 13       | 0.1      |
| 11TB1228   | Skookum West | 622959 | 6989648 | 6673 | 0.9      | 14.6     | 7.8      | 68       | 0.05     | 14.5     | 10.4     | 434      | 3.22        | 7.6      | 0.6     | 2.5      | 4        | 12       | 0.1      |
| 11TB1227   | Skookum West | 622689 | 6989644 | 6672 | 0.8      | 14.6     | 7.2      | 81       | 0.05     | 15.8     | 12.2     | 458      | 3.5         | 6.6      | 0.4     | 2.5      | 3.7      | 12       | 0.049    |
| 11TB1226   | Skookum West | 623012 | 6989645 | 6671 | 1.2      | 14.4     | 8.5      | 63       | 0.05     | 14.8     | 10.4     | 397      | 3.71        | 8.5      | 0.4     | 1.8      | 2.7      | 11       | 0.049    |
| 11TB1225   | Skookum West | 623036 | 6989647 | 6670 | 1.0      | 16.5     | 5.8      | 82       | 0.05     | 14.5     | 12.1     | 440      | 3.72        | 6        | 0.4     | 4.2      | 2.5      | 10       | 0.1      |
| 11TB1224   | Skookum West | 623068 | 6989643 | 6669 | 1.0      | 14.8     | 7.4      | 67       | 0.05     | 12.2     | 9.5      | 392      | 3.72        | 7.1      | 0.5     | 1.6      | 2.9      | 10       | 0.049    |
| 11TB1223   | Skookum West | 623088 | 6989653 | 6668 | 0.5      | 13.8     | 6.9      | 104      | 0.05     | 13.1     | 8.2      | 329      | 2.52        | 4.9      | 0.6     | 1.3      | 2.4      | 20       | 0.1      |
| 11TB1222   | Skookum West | 623110 | 6989650 | 6667 | 0.5      | 14.1     | 4.2      | 102      | 0.10     | 7.4      | 13.7     | 422      | 3.83        | 3.2      | 0.7     | 1.9      | 2.3      | 18       | 0.1      |
| 11TB1220   | Skookum West | 623134 | 6989659 | 6665 | 0.5      | 20.8     | 5.4      | 85       | 0.10     | 10.2     | 10.3     | 324      | 2.98        | 3.6      | 0.7     | 4.9      | 0.7      | 16       | 0.2      |
| 11TB1219   | Skookum West | 623164 | 6989654 | 6664 | 0.6      | 14.1     | 5.2      | 85       | 0.05     | 14.3     | 12.9     | 539      | 3.4         | 4.9      | 0.5     | 1.4      | 3.1      | 13       | 0.049    |
| 11TB1218   | Skookum West | 623186 | 6989653 | 6663 | 0.7      | 14.2     | 5.9      | 89       | 0.05     | 14.6     | 10.7     | 598      | 3.24        | 5.3      | 0.5     | 1        | 3.5      | 14       | 0.1      |
| 11TB1217   | Skookum West | 623209 | 6989654 | 6662 | 0.5      | 13.9     | 5.6      | 79       | 0.05     | 17.6     | 10.8     | 473      | 2.96        | 5.5      | 0.8     | 1.7      | 4.1      | 14       | 0.1      |
| 11TB1216   | Skookum West | 623231 | 6989661 | 6661 | 0.6      | 15.6     | 4.6      | 75       | 0.05     | 13.0     | 9.1      | 453      | 2.78        | 3.6      | 0.7     | 1.6      | 3.3      | 14       | 0.1      |
| 11TB1215   | Skookum West | 623261 | 6989658 | 6660 | 0.7      | 17.7     | 5.2      | 77       | 0.05     | 14.4     | 9        | 366      | 3.16        | 4.3      | 0.7     | 1.1      | 3.3      | 13       | 0.049    |
| 11TB1214   | Skookum West | 623287 | 6989660 | 6659 | 0.7      | 27.8     | 6.6      | 80       | 0.10     | 15.5     | 10.9     | 456      | 3.2         | 5        | 1.1     | 3.5      | 3.2      | 17       | 0.1      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB1213  | Skookum West | 623310 | 6989669 | 6658 | 0.7      | 28.0     | 6.6      | 83       | 0.10     | 17.2     | 9.5      | 471      | 2.92        | 5        | 1.1     | 5.3      | 3        | 24       | 0.2      |
| 11TB1212  | Skookum West | 623337 | 6989662 | 6657 | 0.4      | 19.5     | 5.1      | 78       | 0.10     | 13.4     | 9.3      | 592      | 2.54        | 3.4      | 0.8     | 9.4      | 2.7      | 24       | 0.1      |
| 11TB1211  | Skookum West | 623361 | 6989667 | 6656 | 0.6      | 18.5     | 5.2      | 82       | 0.05     | 13.2     | 9.4      | 445      | 2.81        | 3.9      | 0.6     | 11.6     | 2.9      | 15       | 0.1      |
| 11TB1210  | Skookum West | 623390 | 6989663 | 6655 | 0.6      | 14.4     | 5.3      | 90       | 0.10     | 17.7     | 11.7     | 541      | 2.8         | 3.6      | 0.8     | 1.9      | 2.2      | 18       | 0.1      |
| 11TB1208  | Skookum West | 623438 | 6989665 | 6653 | 0.5      | 7.1      | 4.1      | 81       | 0.05     | 12.3     | 10.8     | 533      | 2.25        | 3.7      | 0.5     | 2.7      | 3.1      | 13       | 0.049    |
| 11TB1207  | Skookum West | 623465 | 6989670 | 6652 | 0.4      | 8.8      | 4.5      | 83       | 0.05     | 14.7     | 10.9     | 493      | 2.28        | 3.4      | 0.7     | 1.7      | 2.9      | 14       | 0.1      |
| 11TB1206  | Skookum West | 623485 | 6989670 | 6651 | 0.4      | 12.1     | 3.4      | 93       | 0.05     | 19.0     | 14.9     | 587      | 2.79        | 3        | 0.5     | 1        | 2.7      | 18       | 0.1      |
| 11TB1205  | Skookum West | 623506 | 6989671 | 6650 | 0.4      | 18.8     | 5.1      | 86       | 0.20     | 15.7     | 11.7     | 424      | 2.67        | 3.6      | 0.9     | 2.3      | 3        | 20       | 0.1      |
| 11TB1204  | Skookum West | 623535 | 6989669 | 6649 | 0.5      | 12.5     | 6.4      | 76       | 0.10     | 14.3     | 9.4      | 261      | 2.55        | 5        | 0.7     | 4.1      | 2.2      | 17       | 0.1      |
| 11TB1203  | Skookum West | 623560 | 6989665 | 6648 | 0.5      | 16.4     | 5.0      | 78       | 0.10     | 15.2     | 11.7     | 432      | 2.62        | 4        | 0.7     | 1.9      | 2.4      | 20       | 0.2      |
| 11TB0740  | Skookum East | 628148 | 6988590 | 6415 | 0.9      | 20.3     | 11.3     | 53       | 0.05     | 16.8     | 8.9      | 258      | 2.69        | 4.8      | 0.9     | 3.5      | 9.6      | 16       | 0.2      |
| 11TB0739  | Skookum East | 628150 | 6988689 | 6414 | 1.2      | 18.7     | 12.5     | 52       | 0.05     | 14.0     | 6.6      | 250      | 2.6         | 4.3      | 0.8     | 13.1     | 6.2      | 19       | 0.1      |
| 11TB0738  | Skookum East | 628152 | 6988792 | 6413 | 2.1      | 13.5     | 12.9     | 39       | 0.10     | 14.3     | 6.2      | 232      | 2.56        | 5.3      | 0.8     | 9        | 3.9      | 19       | 0.049    |
| 11TB0737  | Skookum East | 628152 | 6988888 | 6412 | 1.9      | 19.9     | 9.5      | 50       | 0.10     | 20.6     | 10.3     | 355      | 2.55        | 4.5      | 1.5     | 35.7     | 3.8      | 30       | 0.1      |
| 11TB0736  | Skookum East | 628150 | 6988989 | 6411 | 0.9      | 29.4     | 7.2      | 49       | 0.20     | 21.1     | 8.3      | 208      | 2.5         | 1.9      | 2.2     | 9.6      | 9.2      | 41       | 0.1      |
| 11TB0735  | Skookum East | 628149 | 6989090 | 6410 | 1.2      | 23.9     | 8.1      | 56       | 0.60     | 23.8     | 8.6      | 644      | 2.72        | 3.1      | 3.6     | 15.7     | 5.9      | 52       | 0.2      |
| 11TB0734  | Skookum East | 628153 | 6989190 | 6409 | 1.1      | 14.6     | 11.7     | 51       | 0.05     | 16.7     | 8        | 352      | 2.6         | 4.9      | 0.5     | 12.8     | 6.2      | 16       | 0.049    |
| 11TB0733  | Skookum East | 628149 | 6989291 | 6408 | 1.4      | 14.4     | 11.3     | 43       | 0.30     | 13.4     | 5.2      | 279      | 2.02        | 4.2      | 0.7     | 1.7      | 2.9      | 17       | 0.2      |
| 11TB0732  | Skookum East | 628148 | 6989389 | 6407 | 1.4      | 13.6     | 10.2     | 39       | 0.10     | 13.3     | 5.3      | 255      | 2.21        | 5.6      | 0.6     | 10.3     | 5.4      | 16       | 0.1      |
| 11TB0731  | Skookum East | 628149 | 6989489 | 6406 | 1.2      | 21.0     | 10.6     | 56       | 0.05     | 22.3     | 10.7     | 305      | 3.05        | 8        | 0.7     | 4.6      | 4.9      | 17       | 0.1      |
| 11TB0730  | Skookum East | 628149 | 6989587 | 6405 | 1.2      | 19.1     | 9.7      | 45       | 0.10     | 19.0     | 7.7      | 226      | 2.4         | 6        | 0.6     | 2.8      | 4.5      | 20       | 0.049    |
| 11TB0729  | Skookum East | 628150 | 6989694 | 6404 | 1.2      | 18.8     | 8.7      | 50       | 0.05     | 15.5     | 8.3      | 274      | 2.76        | 7.4      | 0.5     | 8.8      | 4.2      | 16       | 0.1      |
| 11TB0728  | Skookum East | 628157 | 6989787 | 6403 | 1.4      | 13.4     | 12.1     | 130      | 0.05     | 11.0     | 8        | 565      | 3.06        | 1.7      | 0.6     | 2.4      | 3.5      | 23       | 0.2      |
| 11TB0727  | Skookum East | 628151 | 6989893 | 6402 | 1.3      | 16.3     | 8.2      | 82       | 0.05     | 15.5     | 8.8      | 340      | 2.86        | 4.8      | 0.6     | 1.9      | 2.5      | 24       | 0.1      |
| 11TB0726  | Skookum East | 628156 | 6989990 | 6401 | 2.6      | 22.2     | 7.3      | 81       | 0.20     | 21.2     | 14.5     | 653      | 3.44        | 4.6      | 1.6     | 3.9      | 3.2      | 49       | 0.2      |
| 11TB0725  | Skookum East | 628156 | 6990092 | 6400 | 0.8      | 14.7     | 7.4      | 53       | 0.20     | 30.2     | 8.8      | 214      | 2.22        | 3.6      | 0.5     | 3.3      | 1.5      | 22       | 0.049    |
| 11TB0724  | Skookum East | 628152 | 6990195 | 6399 | 0.6      | 16.4     | 5.5      | 92       | 0.10     | 55.6     | 21       | 979      | 3.98        | 2.9      | 0.6     | 1.4      | 1.5      | 29       | 0.2      |
| 11TB0723  | Skookum East | 628154 | 6990295 | 6398 | 3.4      | 26.4     | 8.7      | 47       | 0.10     | 30.2     | 8.8      | 317      | 2.76        | 3.4      | 0.9     | 2        | 0.7      | 25       | 0.2      |
| 11TB0722  | Skookum East | 628154 | 6990394 | 6397 | 0.9      | 14.5     | 10.2     | 56       | 0.05     | 18.0     | 9.3      | 321      | 2.79        | 7.7      | 0.5     | 2.9      | 3.3      | 25       | 0.049    |
| 11TB0721  | Skookum East | 628154 | 6990494 | 6396 | 0.7      | 21.4     | 6.4      | 62       | 0.05     | 16.8     | 9.4      | 349      | 2.94        | 3.7      | 1.2     | 0.5      | 3.6      | 32       | 0.049    |
| 11TB0719  | Skookum East | 627952 | 6988590 | 6395 | 1.3      | 151.1    | 8.2      | 58       | 1.00     | 23.6     | 7.9      | 643      | 2.22        | 3.5      | 2.9     | 11       | 2.2      | 100      | 0.6      |
| 11TB0718  | Skookum East | 627947 | 6988640 | 6394 | 0.8      | 23.1     | 7.5      | 51       | 0.05     | 17.0     | 8.2      | 278      | 2.54        | 7.2      | 0.7     | 6.5      | 5.3      | 20       | 0.049    |
| 11TB0717  | Skookum East | 627943 | 6988682 | 6393 | 1.1      | 12.8     | 9.6      | 45       | 0.05     | 12.1     | 5.7      | 214      | 2.35        | 5.9      | 0.4     | 1        | 3        | 15       | 0.049    |
| 11TB0716  | Skookum East | 627944 | 6988734 | 6392 | 1.1      | 14.3     | 7.6      | 44       | 0.20     | 15.0     | 6.2      | 227      | 2.86        | 7        | 0.5     | 9.5      | 3.9      | 13       | 0.2      |
| 11TB0715  | Skookum East | 627949 | 6988787 | 6391 | 1.1      | 12.2     | 9.2      | 64       | 0.05     | 14.6     | 9.3      | 415      | 3.16        | 7.1      | 0.8     | 1.8      | 6.9      | 13       | 0.1      |
| 11TB0714  | Skookum East | 627944 | 6988836 | 6390 | 0.8      | 19.2     | 7.7      | 65       | 0.05     | 17.5     | 7.9      | 445      | 2.86        | 7.8      | 0.8     | 3        | 11.6     | 12       | 0.1      |
| 11TB0713  | Skookum East | 627949 | 6988884 | 6389 | 0.9      | 23.4     | 9.0      | 57       | 0.05     | 28.7     | 9.9      | 302      | 3.17        | 10.1     | 0.9     | 4.7      | 7.9      | 18       | 0.049    |
| 11TB0712  | Skookum East | 627949 | 6988936 | 6388 | 1.1      | 18.4     | 9.5      | 53       | 0.10     | 21.1     | 8.6      | 365      | 2.83        | 7.3      | 0.7     | 26.2     | 7.3      | 19       | 0.049    |
| 11TB0711  | Skookum East | 627946 | 6988986 | 6387 | 1.0      | 14.9     | 8.6      | 50       | 0.10     | 16.4     | 8.2      | 301      | 3.03        | 5.1      | 0.5     | 4.6      | 5.1      | 20       | 0.049    |
| 11TB0710  | Skookum East | 627953 | 6989034 | 6386 | 1.0      | 19.8     | 9.5      | 68       | 0.05     | 21.9     | 10.2     | 490      | 3.46        | 6.5      | 0.7     | 3        | 8.1      | 18       | 0.049    |
| 11TB0709  | Skookum East | 627952 | 6989082 | 6385 | 0.9      | 20.6     | 9.9      | 64       | 0.10     | 22.0     | 16.6     | 1192     | 2.84        | 6.6      | 0.9     | 2.2      | 3.5      | 24       | 0.3      |
| 11TB0708  | Skookum East | 627948 | 6989131 | 6384 | 0.9      | 18.4     | 8.8      | 49       | 0.20     | 15.1     | 8.2      | 321      | 2.53        | 4.6      | 1.3     | 7        | 9        | 25       | 0.049    |
| 11TB0707  | Skookum East | 627942 | 6989183 | 6383 | 1.2      | 15.5     | 9.4      | 43       | 0.50     | 13.0     | 4.5      | 167      | 2.47        | 6        | 0.5     | 6.5      | 3.9      | 14       | 0.3      |
| 11TB0706  | Skookum East | 627949 | 6989235 | 6382 | 0.9      | 11.0     | 6.3      | 70       | 0.20     | 7.0      | 8.1      | 709      | 3.21        | 4.4      | 0.4     | 1        | 10.4     | 11       | 0.1      |
| 11TB0705  | Skookum East | 627950 | 6989287 | 6381 | 1.1      | 21.2     | 9.9      | 55       | 0.30     | 23.7     | 10       | 223      | 3.26        | 9.4      | 0.5     | 5.9      | 5.5      | 16       | 0.049    |
| 11TB0704  | Skookum East | 627947 | 6989333 | 6380 | 1.3      | 18.5     | 10.1     | 55       | 0.10     | 19.3     | 8.4      | 297      | 3.06        | 9.3      | 0.8     | 6.4      | 6.7      | 18       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0703  | Skookum East | 627954 | 6989382 | 6379 | 1.4      | 28.0     | 9.6      | 52       | 0.10     | 25.1     | 10.4     | 319      | 2.92        | 8.1      | 0.8     | 16.3     | 3.6      | 18       | 0.049    |
| 11TB0702  | Skookum East | 627950 | 6989433 | 6378 | 1.5      | 16.0     | 9.9      | 48       | 0.20     | 14.3     | 7.5      | 308      | 3.07        | 7.7      | 0.4     | 3.1      | 4        | 12       | 0.049    |
| 11TB0700  | Skookum East | 627950 | 6989483 | 6376 | 1.1      | 28.7     | 8.3      | 62       | 0.05     | 15.6     | 10.7     | 349      | 3.48        | 5.2      | 0.7     | 29.9     | 7.2      | 19       | 0.1      |
| 11TB0699  | Skookum East | 627953 | 6989535 | 6375 | 1.6      | 17.3     | 8.3      | 77       | 0.10     | 15.7     | 11.5     | 408      | 4.37        | 6.4      | 0.4     | 2.7      | 5.3      | 12       | 0.1      |
| 11TB0698  | Skookum East | 627955 | 6989583 | 6374 | 1.5      | 18.1     | 9.7      | 62       | 0.05     | 16.1     | 7.9      | 288      | 3.96        | 11       | 0.4     | 6        | 5.4      | 10       | 0.049    |
| 11TB0697  | Skookum East | 627953 | 6989635 | 6373 | 1.1      | 35.0     | 10.0     | 52       | 0.05     | 21.8     | 10.9     | 390      | 3.23        | 16       | 1.2     | 5.1      | 5        | 18       | 0.049    |
| 11TB0696  | Skookum East | 627950 | 6989686 | 6372 | 0.9      | 23.4     | 8.6      | 59       | 0.05     | 23.6     | 12.5     | 361      | 3.16        | 7.4      | 0.7     | 4.7      | 4.9      | 21       | 0.1      |
| 11TB0695  | Skookum East | 627951 | 6989737 | 6371 | 1.1      | 16.0     | 10.4     | 43       | 0.05     | 14.7     | 6.3      | 226      | 2.86        | 9.4      | 0.7     | 7.1      | 2.9      | 15       | 0.049    |
| 11TB0694  | Skookum East | 627953 | 6989787 | 6370 | 1.1      | 24.4     | 11.9     | 43       | 0.05     | 13.3     | 5.8      | 200      | 2.45        | 6.1      | 0.8     | 37.3     | 0.3      | 18       | 0.1      |
| 11TB0693  | Skookum East | 627957 | 6989837 | 6369 | 0.9      | 31.3     | 9.9      | 60       | 0.05     | 18.8     | 9.3      | 332      | 3.13        | 7.4      | 0.7     | 14.5     | 5        | 19       | 0.049    |
| 11TB0692  | Skookum East | 627956 | 6989889 | 6368 | 0.9      | 34.4     | 9.1      | 77       | 0.05     | 20.5     | 10.5     | 416      | 3.04        | 5.8      | 0.9     | 8.6      | 4.9      | 24       | 0.049    |
| 11TB0691  | Skookum East | 627954 | 6989930 | 6367 | 1.0      | 39.5     | 8.0      | 92       | 0.05     | 20.2     | 12.7     | 607      | 3.47        | 6.7      | 0.8     | 2.6      | 4.4      | 20       | 0.049    |
| 11TB0690  | Skookum East | 627950 | 6989985 | 6366 | 1.9      | 27.5     | 7.2      | 81       | 0.20     | 18.4     | 10.7     | 566      | 3.39        | 3.5      | 1       | 3.9      | 2.4      | 30       | 0.1      |
| 11TB0689  | Skookum East | 627957 | 6990032 | 6365 | 0.7      | 15.8     | 8.1      | 55       | 0.20     | 14.7     | 6.2      | 184      | 2.09        | 3.3      | 0.8     | 7.2      | 2.4      | 29       | 0.1      |
| 11TB0688  | Skookum East | 627956 | 6990085 | 6364 | 0.9      | 14.7     | 8.5      | 53       | 0.30     | 13.8     | 7.1      | 273      | 2.26        | 4        | 0.7     | 7        | 2.1      | 30       | 0.1      |
| 11TB0687  | Skookum East | 627958 | 6990133 | 6363 | 0.9      | 13.4     | 8.4      | 51       | 0.20     | 13.1     | 6.8      | 261      | 2.17        | 4        | 0.7     | 3.8      | 2.1      | 28       | 0.049    |
| 11TB0686  | Skookum East | 627950 | 6990189 | 6362 | 3.4      | 21.7     | 5.7      | 74       | 0.10     | 17.0     | 11.1     | 541      | 2.81        | 2.2      | 1.8     | 2        | 4.9      | 68       | 0.1      |
| 11TB0685  | Skookum East | 627954 | 6990231 | 6361 | 3.1      | 19.7     | 6.9      | 59       | 0.20     | 27.1     | 8.5      | 346      | 2.5         | 2.8      | 1       | 5.4      | 4.9      | 43       | 0.1      |
| 11TB0684  | Skookum East | 627957 | 6990282 | 6360 | 0.8      | 21.7     | 9.4      | 57       | 0.30     | 24.8     | 8.3      | 331      | 2.2         | 2.1      | 2.2     | 1        | 4.6      | 56       | 0.049    |
| 11TB0683  | Skookum East | 627950 | 6990324 | 6359 | 0.7      | 23.2     | 6.6      | 74       | 0.30     | 12.6     | 8.5      | 387      | 2.74        | 2.2      | 1.5     | 1.8      | 8.9      | 54       | 0.049    |
| 11TB0682  | Skookum East | 627956 | 6990381 | 6358 | 0.6      | 22.3     | 7.4      | 75       | 0.20     | 19.0     | 10.7     | 380      | 2.71        | 2.3      | 1.3     | 3.7      | 7.3      | 55       | 0.3      |
| 11TB0680  | Skookum East | 627951 | 6990432 | 6024 | 1.0      | 19.2     | 11.6     | 74       | 0.05     | 20.5     | 10.9     | 279      | 3.91        | 5.8      | 0.4     | 1.1      | 3.4      | 12       | 0.1      |
| 11TB0679  | Skookum East | 627950 | 6990482 | 6023 | 0.9      | 15.2     | 14.4     | 70       | 0.20     | 37.6     | 11.5     | 374      | 3.11        | 2.6      | 0.7     | 1.7      | 5        | 33       | 0.1      |
| 11TB0678  | Skookum East | 627951 | 6990530 | 6022 | 0.8      | 19.7     | 13.7     | 68       | 0.05     | 28.2     | 13.4     | 430      | 3.69        | 7.3      | 0.5     | 2.8      | 3.9      | 22       | 0.049    |
| 11TB0677  | Skookum East | 627449 | 6988619 | 6021 | 1.2      | 15.5     | 11.1     | 49       | 0.20     | 12.7     | 5.4      | 202      | 2.17        | 6.4      | 0.6     | 2.2      | 3.9      | 12       | 0.2      |
| 11TB0676  | Skookum East | 627448 | 6988670 | 6020 | 1.7      | 27.9     | 16.8     | 63       | 0.20     | 21.1     | 7.3      | 305      | 2.79        | 8.1      | 0.9     | 9.1      | 6.8      | 18       | 0.2      |
| 11TB0675  | Skookum East | 627452 | 6988724 | 6019 | 1.2      | 18.0     | 11.4     | 93       | 0.10     | 21.5     | 10.6     | 1144     | 2.84        | 9.8      | 0.4     | 2.8      | 2.8      | 14       | 1.1      |
| 11TB0674  | Skookum East | 627448 | 6988769 | 6018 | 4.8      | 51.8     | 31.5     | 83       | 0.50     | 14.8     | 5.1      | 210      | 2.98        | 36.5     | 0.8     | 5.3      | 3.6      | 13       | 0.5      |
| 11TB0673  | Skookum East | 627451 | 6988823 | 6017 | 1.2      | 77.4     | 9.2      | 76       | 0.20     | 20.7     | 8        | 273      | 2.6         | 26.1     | 0.6     | 3.2      | 2.7      | 16       | 0.2      |
| 11TB0672  | Skookum East | 627454 | 6988870 | 6016 | 1.1      | 88.5     | 12.4     | 83       | 0.40     | 12.1     | 8.9      | 501      | 3.52        | 5.7      | 0.5     | 0.8      | 1.6      | 12       | 0.1      |
| 11TB0671  | Skookum East | 627450 | 6988925 | 6015 | 1.0      | 23.2     | 9.9      | 55       | 0.05     | 16.6     | 9.5      | 344      | 3           | 7.7      | 0.8     | 1.6      | 2.9      | 12       | 0.1      |
| 11TB0670  | Skookum East | 627451 | 6988975 | 6014 | 3.1      | 34.1     | 8.8      | 62       | 0.05     | 29.1     | 9.1      | 231      | 3.75        | 14.2     | 1       | 2.8      | 4        | 18       | 0.1      |
| 11TB0669  | Skookum East | 627454 | 6989028 | 6013 | 0.8      | 17.2     | 9.3      | 58       | 0.05     | 19.3     | 10.6     | 402      | 2.92        | 6.9      | 0.9     | 3        | 4.1      | 18       | 0.049    |
| 11TB0668  | Skookum East | 627448 | 6989078 | 6012 | 1.2      | 22.9     | 12.1     | 57       | 0.05     | 27.8     | 12.6     | 306      | 3.28        | 7        | 0.6     | 3.8      | 4.1      | 18       | 0.049    |
| 11TB0667  | Skookum East | 627445 | 6989129 | 6011 | 1.8      | 17.9     | 8.2      | 46       | 0.05     | 15.6     | 7.2      | 256      | 2.3         | 4        | 0.8     | 2.3      | 4.9      | 12       | 0.049    |
| 11TB0666  | Skookum East | 627445 | 6989180 | 6010 | 1.7      | 20.2     | 9.4      | 44       | 0.05     | 17.0     | 8.2      | 275      | 2.41        | 4.3      | 0.9     | 4.4      | 5.5      | 16       | 0.049    |
| 11TB0665  | Skookum East | 627449 | 6989226 | 6009 | 1.2      | 17.8     | 8.3      | 47       | 0.05     | 19.7     | 8.5      | 218      | 2.55        | 5        | 0.7     | 3.2      | 5.3      | 20       | 0.049    |
| 11TB0664  | Skookum East | 627448 | 6989275 | 6008 | 1.6      | 15.7     | 12.6     | 52       | 0.05     | 20.2     | 8.4      | 308      | 2.46        | 5        | 1.4     | 9.1      | 6        | 22       | 0.049    |
| 11TB0663  | Skookum East | 627453 | 6989324 | 6007 | 4.6      | 18.5     | 10.2     | 55       | 0.10     | 20.1     | 10.5     | 459      | 2.71        | 4        | 4.4     | 7.2      | 6.4      | 34       | 0.049    |
| 11TB0662  | Skookum East | 627453 | 6989377 | 6006 | 2.0      | 13.8     | 13.7     | 46       | 0.10     | 14.6     | 9.4      | 329      | 2.05        | 3.7      | 2.4     | 3.8      | 4.8      | 27       | 0.1      |
| 11TB0660  | Skookum East | 627450 | 6989419 | 6004 | 1.1      | 10.6     | 12.4     | 43       | 0.05     | 11.6     | 6.8      | 289      | 2.02        | 3.6      | 1.2     | 13.6     | 6        | 37       | 0.049    |
| 11TB0659  | Skookum East | 627451 | 6989473 | 6003 | 0.9      | 16.5     | 10.0     | 39       | 0.05     | 46.0     | 9.9      | 153      | 2.46        | 4.3      | 0.3     | 2.1      | 4.2      | 23       | 0.049    |
| 11TB0658  | Skookum East | 627445 | 6989525 | 6002 | 1.0      | 8.7      | 12.4     | 32       | 0.05     | 9.9      | 4.4      | 226      | 1.88        | 4.3      | 0.4     | 2.3      | 3        | 20       | 0.049    |
| 11TB0657  | Skookum East | 627449 | 6989572 | 6001 | 0.9      | 17.1     | 7.9      | 43       | 0.10     | 14.4     | 7        | 378      | 2.31        | 3.6      | 0.4     | 1.7      | 3.5      | 21       | 0.049    |
| 11TB0656  | Skookum East | 627448 | 6989622 | 6000 | 0.9      | 20.2     | 13.6     | 98       | 0.05     | 16.1     | 14.4     | 573      | 4.13        | 3.6      | 0.3     | 1.3      | 2        | 22       | 0.049    |
| 11TB0655  | Skookum East | 627445 | 6989678 | 5999 | 1.0      | 10.2     | 7.9      | 35       | 0.05     | 8.7      | 4.5      | 148      | 1.89        | 4.1      | 0.3     | 5.1      | 2.3      | 13       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0654  | Skookum East | 627450 | 6989726 | 5998 | 1.0      | 12.7     | 9.4      | 61       | 0.05     | 19.9     | 10.1     | 350      | 3.16        | 5.5      | 0.5     | 2.9      | 4.4      | 19       | 0.049    |
| 11TB0653  | Skookum East | 627447 | 6989776 | 5997 | 1.2      | 13.1     | 9.6      | 38       | 0.10     | 11.5     | 5.3      | 160      | 2.28        | 5.3      | 0.5     | 13.9     | 5.3      | 10       | 0.049    |
| 11TB0652  | Skookum East | 627446 | 6989822 | 5996 | 1.6      | 12.6     | 8.5      | 45       | 0.05     | 12.8     | 6.1      | 227      | 2.28        | 3.5      | 0.6     | 1.1      | 6.9      | 16       | 0.049    |
| 11TB0651  | Skookum East | 627451 | 6989881 | 5995 | 1.4      | 19.7     | 7.8      | 49       | 0.05     | 19.7     | 8.2      | 325      | 2.51        | 6        | 0.6     | 3.5      | 5.8      | 15       | 0.049    |
| 11TB0650  | Skookum East | 627448 | 6989923 | 5994 | 1.5      | 25.2     | 8.3      | 57       | 0.05     | 25.0     | 11.4     | 315      | 3.07        | 5.3      | 0.6     | 1.5      | 3.6      | 18       | 0.049    |
| 11TB0648  | Skookum East | 627448 | 6990027 | 5993 | 1.4      | 17.0     | 9.4      | 61       | 0.10     | 16.4     | 8.4      | 586      | 2.83        | 5.2      | 0.7     | 2.7      | 5.8      | 16       | 0.049    |
| 11TB0647  | Skookum East | 627446 | 6990077 | 5992 | 4.0      | 23.9     | 9.3      | 79       | 0.05     | 9.5      | 8.8      | 398      | 3.52        | 2.7      | 0.6     | 1.1      | 9.1      | 12       | 0.1      |
| 11TB0646  | Skookum East | 627447 | 6990125 | 5991 | 0.5      | 26.6     | 4.8      | 96       | 0.05     | 12.8     | 9.6      | 395      | 3.35        | 1.8      | 0.9     | 2.3      | 10.3     | 26       | 0.049    |
| 11TB0645  | Skookum East | 627446 | 6990174 | 5990 | 1.1      | 49.8     | 9.5      | 76       | 0.05     | 21.6     | 13.1     | 471      | 3.57        | 4.4      | 1.1     | 3        | 6.8      | 28       | 0.049    |
| 11TB0644  | Skookum East | 627448 | 6990226 | 5989 | 1.4      | 25.8     | 9.0      | 83       | 0.05     | 25.9     | 11.4     | 344      | 3.5         | 5        | 0.6     | 2.2      | 6.1      | 11       | 0.1      |
| 11TB0643  | Skookum East | 627450 | 6990276 | 5988 | 0.8      | 16.7     | 5.2      | 122      | 0.05     | 8.9      | 8.9      | 606      | 3.28        | 2.9      | 0.9     | 1.2      | 16.8     | 13       | 0.1      |
| 11TB0642  | Skookum East | 627450 | 6990327 | 5987 | 1.0      | 18.6     | 8.5      | 58       | 0.05     | 30.7     | 12.6     | 284      | 3.15        | 5.4      | 0.4     | 1.3      | 4.8      | 12       | 0.1      |
| 11TB0640  | Skookum East | 627452 | 6990375 | 5985 | 0.8      | 21.8     | 8.0      | 55       | 0.05     | 14.4     | 10.4     | 467      | 2.99        | 4.3      | 0.6     | 0.9      | 6.3      | 11       | 0.049    |
| 11TB0639  | Skookum East | 627449 | 6990423 | 5984 | 0.9      | 22.3     | 7.0      | 57       | 0.05     | 19.7     | 11.4     | 314      | 3.36        | 6.3      | 0.5     | 1.7      | 5.2      | 14       | 0.049    |
| 11TB0638  | Skookum East | 627446 | 6990475 | 5983 | 1.2      | 22.8     | 7.8      | 52       | 0.05     | 16.4     | 10       | 258      | 3.21        | 6.5      | 0.4     | 1.4      | 4.4      | 8        | 0.049    |
| 11TB0637  | Skookum East | 627451 | 6990530 | 5982 | 1.3      | 12.4     | 8.9      | 43       | 0.05     | 14.2     | 7        | 258      | 2.81        | 7        | 0.6     | 1.9      | 1.6      | 9        | 0.049    |
| 11TB0636  | Skookum East | 627048 | 6990517 | 5981 | 0.7      | 14.2     | 6.0      | 58       | 0.05     | 12.2     | 8        | 345      | 2.68        | 4        | 0.7     | 1.9      | 5.5      | 20       | 0.049    |
| 11TB0635  | Skookum East | 627047 | 6988717 | 5980 | 0.8      | 14.9     | 15.4     | 41       | 0.70     | 8.2      | 4.4      | 138      | 1.69        | 3        | 0.5     | 1.2      | 1.6      | 15       | 0.3      |
| 11TB0634  | Skookum East | 627048 | 6988763 | 5979 | 1.0      | 24.3     | 13.7     | 67       | 0.50     | 10.3     | 8.6      | 221      | 2.76        | 4        | 0.6     | 2.5      | 2.1      | 13       | 0.1      |
| 11TB0633  | Skookum East | 627051 | 6988810 | 5978 | 1.0      | 16.6     | 9.2      | 59       | 0.40     | 14.9     | 7.2      | 229      | 2.48        | 5.9      | 0.5     | 3.6      | 3.1      | 14       | 0.1      |
| 11TB0632  | Skookum East | 627054 | 6988864 | 5977 | 1.1      | 17.2     | 8.9      | 59       | 0.10     | 14.2     | 7.8      | 259      | 2.44        | 5.9      | 0.5     | 3.3      | 3.2      | 13       | 0.1      |
| 11TB0631  | Skookum East | 627049 | 6988920 | 5976 | 1.5      | 21.1     | 10.0     | 65       | 0.30     | 14.4     | 8.4      | 274      | 2.69        | 6.7      | 0.6     | 2        | 3.1      | 17       | 0.1      |
| 11TB0630  | Skookum East | 627049 | 6988970 | 5975 | 1.2      | 17.0     | 10.7     | 66       | 0.10     | 14.3     | 7.9      | 296      | 2.35        | 6.4      | 0.7     | 2.8      | 3.1      | 15       | 0.1      |
| 11TB0629  | Skookum East | 627050 | 6989013 | 5974 | 1.3      | 25.9     | 12.3     | 77       | 0.30     | 57.8     | 11.5     | 292      | 3.05        | 6.3      | 1.4     | 4.8      | 6.4      | 27       | 0.1      |
| 11TB0628  | Skookum East | 627052 | 6989063 | 5973 | 1.4      | 21.3     | 11.7     | 57       | 0.20     | 14.0     | 5.4      | 158      | 2.23        | 7.5      | 0.9     | 3.3      | 1.5      | 12       | 0.3      |
| 11TB0627  | Skookum East | 627055 | 6989120 | 5972 | 1.3      | 17.2     | 9.4      | 56       | 0.10     | 16.7     | 6        | 150      | 1.93        | 6.1      | 0.8     | 5.7      | 1.9      | 14       | 0.1      |
| 11TB0626  | Skookum East | 627052 | 6989171 | 5971 | 1.0      | 17.6     | 10.3     | 59       | 0.10     | 12.9     | 5.4      | 156      | 1.99        | 9        | 0.9     | 3.6      | 2.4      | 12       | 0.1      |
| 11TB0625  | Skookum East | 627046 | 6989220 | 5970 | 1.1      | 30.4     | 9.0      | 57       | 0.10     | 12.6     | 4.7      | 124      | 2.2         | 7.3      | 0.8     | 5.4      | 1.8      | 19       | 0.2      |
| 11TB0624  | Skookum East | 627051 | 6989272 | 5969 | 1.3      | 30.0     | 8.9      | 59       | 0.10     | 13.5     | 5.6      | 143      | 2.75        | 8.3      | 0.8     | 17.7     | 2.3      | 20       | 0.049    |
| 11TB0623  | Skookum East | 627052 | 6989311 | 5968 | 1.0      | 24.5     | 6.8      | 46       | 0.20     | 10.7     | 3.7      | 110      | 1.82        | 7.5      | 0.6     | 4.1      | 0.9      | 21       | 0.2      |
| 11TB0622  | Skookum East | 627049 | 6989383 | 5967 | 1.2      | 27.1     | 7.0      | 41       | 0.20     | 8.7      | 3.3      | 101      | 1.71        | 9.9      | 0.6     | 3        | 0.8      | 17       | 0.1      |
| 11TB0620  | Skookum East | 627054 | 6989412 | 5965 | 1.0      | 14.3     | 9.4      | 48       | 0.05     | 17.9     | 8.3      | 375      | 2.74        | 6.4      | 0.8     | 10.3     | 5.6      | 27       | 0.049    |
| 11TB0619  | Skookum East | 627052 | 6989463 | 5964 | 1.2      | 15.8     | 9.2      | 55       | 0.05     | 16.2     | 8.3      | 340      | 2.76        | 6.1      | 0.6     | 11.3     | 6        | 27       | 0.1      |
| 11TB0618  | Skookum East | 627056 | 6989518 | 5963 | 0.9      | 16.5     | 9.8      | 52       | 0.05     | 22.8     | 9.6      | 299      | 2.97        | 7        | 0.5     | 24       | 5.7      | 29       | 0.049    |
| 11TB0617  | Skookum East | 627050 | 6989568 | 5962 | 1.4      | 15.7     | 10.9     | 53       | 0.10     | 14.8     | 7.6      | 375      | 2.79        | 5.7      | 0.7     | 4.6      | 6        | 32       | 0.049    |
| 11TB0616  | Skookum East | 627052 | 6989618 | 5961 | 1.3      | 23.1     | 9.2      | 57       | 0.20     | 19.2     | 9.1      | 363      | 3.04        | 5.3      | 0.7     | 6.1      | 5.4      | 28       | 0.049    |
| 11TB0615  | Skookum East | 627049 | 6989669 | 5960 | 0.8      | 24.2     | 6.0      | 49       | 0.10     | 15.4     | 8.6      | 279      | 2.68        | 4        | 0.9     | 4.4      | 3.9      | 32       | 0.2      |
| 11TB0614  | Skookum East | 627047 | 6989719 | 5959 | 1.3      | 17.6     | 9.9      | 52       | 0.05     | 16.6     | 9.9      | 368      | 2.48        | 4.8      | 0.9     | 4        | 5.7      | 48       | 0.1      |
| 11TB0613  | Skookum East | 627046 | 6989772 | 5958 | 2.0      | 17.5     | 9.0      | 61       | 0.10     | 13.7     | 9.7      | 496      | 2.49        | 4.4      | 1.3     | 5.8      | 5.3      | 60       | 0.2      |
| 11TB0612  | Skookum East | 627047 | 6989819 | 5957 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11TB0611  | Skookum East | 627051 | 6989874 | 5956 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11TB0610  | Skookum East | 627040 | 6989918 | 5955 | 1.2      | 13.7     | 6.0      | 50       | 0.10     | 13.0     | 9        | 827      | 2.15        | 2.5      | 1.1     | 84.6     | 3.9      | 62       | 0.049    |
| 11TB0609  | Skookum East | 627053 | 6989964 | 5954 | 0.6      | 55.2     | 4.7      | 45       | 0.05     | 23.9     | 11.5     | 314      | 2.47        | 2.5      | 0.4     | 12.5     | 2        | 34       | 0.049    |
| 11TB0608  | Skookum East | 627050 | 6990011 | 5953 | 2.6      | 34.7     | 6.2      | 75       | 0.05     | 43.3     | 15.8     | 508      | 4.54        | 3.7      | 0.7     | 60.4     | 4.9      | 33       | 0.049    |
| 11TB0607  | Skookum East | 627059 | 6990061 | 5952 | 1.2      | 28.7     | 15.4     | 73       | 0.05     | 56.1     | 15.9     | 370      | 3.6         | 3.9      | 1       | 6.3      | 16.7     | 43       | 0.049    |
| 11TB0606  | Skookum East | 627046 | 6990115 | 5951 | 3.4      | 20.1     | 10.0     | 55       | 0.05     | 31.5     | 11.7     | 306      | 3.77        | 10.4     | 0.6     | 39.8     | 6.1      | 16       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0605  | Skookum East | 627049 | 6990168 | 5950 | 1.0      | 24.8     | 9.5      | 59       | 0.05     | 34.8     | 12.1     | 399      | 3.4         | 6.2      | 0.9     | 3.2      | 8.8      | 29       | 0.049    |
| 11TB0604  | Skookum East | 627050 | 6990218 | 5949 | 0.8      | 21.7     | 8.1      | 58       | 0.05     | 21.5     | 11.5     | 410      | 3.03        | 8.1      | 0.7     | 2.4      | 6.3      | 23       | 0.1      |
| 11TB0603  | Skookum East | 627048 | 6990271 | 5948 | 1.1      | 20.9     | 9.3      | 58       | 0.05     | 28.7     | 11.5     | 280      | 3.42        | 10       | 0.5     | 1.4      | 6.1      | 15       | 0.1      |
| 11TB0602  | Skookum East | 627044 | 6990309 | 5947 | 1.5      | 15.8     | 8.9      | 55       | 0.05     | 31.7     | 8.9      | 388      | 3.44        | 8.8      | 0.6     | 2.1      | 7.1      | 14       | 0.049    |
| 11TB0600  | Skookum East | 627050 | 6990374 | 5945 | 1.0      | 14.1     | 8.2      | 60       | 0.05     | 22.0     | 10.4     | 311      | 3.15        | 8.6      | 0.5     | 2.5      | 6.9      | 13       | 0.049    |
| 11TB0599  | Skookum East | 627048 | 6990418 | 5944 | 0.9      | 15.9     | 8.9      | 77       | 0.05     | 11.3     | 9.6      | 653      | 3.23        | 5.3      | 0.5     | 1.9      | 9.2      | 14       | 0.2      |
| 11TB0598  | Skookum East | 627050 | 6990470 | 5943 | 0.7      | 25.5     | 8.1      | 57       | 0.05     | 23.8     | 10.5     | 316      | 3.02        | 7.5      | 0.9     | 1.9      | 8.3      | 16       | 0.2      |
| 11TB0597  | Skookum East | 626749 | 6988612 | 5942 | 1.1      | 13.5     | 11.0     | 51       | 0.60     | 10.4     | 6.6      | 153      | 2.96        | 5.8      | 0.4     | 2.1      | 1.6      | 18       | 0.1      |
| 11TB0596  | Skookum East | 626749 | 6988712 | 5941 | 0.8      | 19.6     | 7.2      | 56       | 0.30     | 10.6     | 8.9      | 161      | 2.55        | 3.5      | 0.5     | 3.3      | 1.6      | 26       | 0.049    |
| 11TB0595  | Skookum East | 626747 | 6988814 | 5940 | 1.1      | 16.1     | 10.7     | 55       | 0.20     | 9.0      | 7.7      | 169      | 2.12        | 3.5      | 0.5     | 3.3      | 2        | 19       | 0.1      |
| 11TB0594  | Skookum East | 626743 | 6988913 | 5939 | 1.4      | 21.7     | 9.1      | 66       | 0.50     | 13.0     | 8.1      | 208      | 2.46        | 6.3      | 0.9     | 5.9      | 2.6      | 26       | 0.8      |
| 11TB0593  | Skookum East | 626752 | 6989013 | 5938 | 1.4      | 29.2     | 14.3     | 102      | 0.20     | 33.9     | 16.5     | 435      | 4.15        | 7        | 0.8     | 3.5      | 4.5      | 39       | 0.2      |
| 11TB0592  | Skookum East | 626749 | 6989114 | 5937 | 1.7      | 28.3     | 15.5     | 103      | 1.00     | 10.7     | 6.1      | 216      | 2.33        | 9.3      | 1.2     | 5.9      | 2.9      | 23       | 0.2      |
| 11TB0591  | Skookum East | 626750 | 6989215 | 5936 | 4.1      | 102.6    | 41.3     | 189      | 0.50     | 7.2      | 10.6     | 471      | 3.78        | 4.2      | 2       | 102.6    | 5.7      | 73       | 0.5      |
| 11TB0590  | Skookum East | 626749 | 6989306 | 5935 | 1.9      | 35.5     | 7.6      | 80       | 0.20     | 9.6      | 4.7      | 437      | 3.16        | 3.2      | 1       | 10.8     | 5.5      | 22       | 0.3      |
| 11TB0589  | Skookum East | 626743 | 6989412 | 5934 | 0.7      | 10.1     | 8.2      | 30       | 0.05     | 12.1     | 3.7      | 76       | 1.93        | 3.2      | 0.5     | 8        | 10.9     | 18       | 0.049    |
| 11TB0588  | Skookum East | 626750 | 6989510 | 5933 | 0.8      | 10.7     | 7.1      | 43       | 0.05     | 14.2     | 6        | 293      | 2.14        | 5.5      | 0.6     | 5.1      | 5.9      | 20       | 0.049    |
| 11TB0587  | Skookum East | 626748 | 6989615 | 5932 | 0.7      | 32.0     | 5.1      | 52       | 0.05     | 12.1     | 11.9     | 367      | 3.25        | 3.3      | 1       | 6.5      | 3.4      | 19       | 0.049    |
| 11TB0586  | Skookum East | 626755 | 6989709 | 5931 | 0.3      | 35.5     | 2.4      | 29       | 0.05     | 11.5     | 7.5      | 219      | 1.71        | 2.2      | 0.2     | 1.4      | 1.4      | 22       | 0.049    |
| 11TB0585  | Skookum East | 626753 | 6989809 | 5930 | 0.5      | 29.2     | 6.1      | 43       | 0.05     | 15.1     | 9        | 268      | 2.37        | 3.3      | 0.3     | 17.2     | 2.1      | 18       | 0.049    |
| 11TB0584  | Skookum East | 626752 | 6989910 | 5929 | 0.7      | 28.9     | 6.5      | 47       | 0.05     | 21.1     | 11.2     | 281      | 2.77        | 4.9      | 0.3     | 2.4      | 2        | 18       | 0.049    |
| 11TB0583  | Skookum East | 626752 | 6990010 | 5928 | 2.8      | 27.4     | 16.4     | 49       | 0.05     | 16.8     | 8.2      | 336      | 2.94        | 4.1      | 0.8     | 28.7     | 7.4      | 17       | 0.049    |
| 11TB0582  | Skookum East | 626752 | 6990110 | 5927 | 0.8      | 32.4     | 7.0      | 53       | 0.05     | 21.9     | 12.1     | 493      | 3.1         | 3.7      | 0.6     | 2.2      | 3        | 33       | 0.049    |
| 11TB0580  | Skookum East | 626747 | 6990214 | 5925 | 0.9      | 28.2     | 7.1      | 101      | 0.05     | 13.6     | 11.9     | 579      | 3.8         | 5.4      | 1.1     | 2.4      | 10.3     | 17       | 0.049    |
| 11TB0579  | Skookum East | 626750 | 6990312 | 5924 | 1.1      | 12.7     | 10.4     | 95       | 0.10     | 18.2     | 11.5     | 483      | 4.16        | 8.5      | 0.4     | 1.2      | 4.2      | 13       | 0.049    |
| 11TB0578  | Skookum East | 626750 | 6990412 | 5923 | 1.2      | 15.9     | 9.8      | 85       | 0.05     | 22.2     | 11.4     | 482      | 3.46        | 11.1     | 0.5     | 1.9      | 3.3      | 14       | 0.2      |
| 11TB0577  | Skookum East | 626749 | 6990505 | 5922 | 1.6      | 13.2     | 13.1     | 79       | 0.05     | 8.1      | 6.3      | 314      | 3.56        | 4.1      | 0.6     | 2.4      | 1.9      | 8        | 0.049    |
| 11TB0576  | Skookum East | 626645 | 6990465 | 5921 | 1.3      | 33.0     | 5.2      | 77       | 0.05     | 132.7    | 26.9     | 493      | 4.07        | 4.2      | 0.5     | 1.1      | 1.7      | 38       | 0.2      |
| 11TB0575  | Skookum East | 626645 | 6990365 | 5920 | 1.2      | 29.0     | 10.5     | 57       | 0.20     | 22.3     | 9.9      | 300      | 3.16        | 8.6      | 0.9     | 4        | 6.9      | 15       | 0.049    |
| 11TB0574  | Skookum East | 626655 | 6990261 | 5919 | 1.1      | 33.5     | 9.6      | 54       | 0.05     | 25.8     | 8.7      | 252      | 3           | 8.1      | 0.8     | 2.8      | 6.1      | 15       | 0.1      |
| 11TB0573  | Skookum East | 626644 | 6990160 | 5918 | 0.8      | 28.2     | 6.8      | 68       | 0.05     | 22.1     | 15.9     | 508      | 4.24        | 3.5      | 0.7     | 1.4      | 7.4      | 22       | 0.049    |
| 11TB0572  | Skookum East | 626639 | 6990060 | 5917 | 1.2      | 24.4     | 8.0      | 54       | 0.05     | 22.6     | 9.9      | 440      | 3.22        | 6.5      | 0.7     | 1.2      | 4.7      | 18       | 0.049    |
| 11TB0571  | Skookum East | 626647 | 6989962 | 5916 | 1.2      | 14.9     | 9.3      | 45       | 0.20     | 17.2     | 8.5      | 404      | 2.7         | 7.3      | 0.4     | 0.8      | 2        | 18       | 0.049    |
| 11TB0570  | Skookum East | 626649 | 6989837 | 5915 | 1.4      | 22.0     | 8.4      | 57       | 0.10     | 18.0     | 9.1      | 339      | 3.42        | 7.5      | 0.4     | 8.1      | 3.7      | 16       | 0.049    |
| 11TB0569  | Skookum East | 626647 | 6989775 | 5914 | 0.2      | 32.2     | 2.4      | 35       | 0.05     | 10.6     | 8.9      | 282      | 1.81        | 1.8      | 0.4     | 1.1      | 1.2      | 17       | 0.049    |
| 11TB0568  | Skookum East | 626642 | 6989662 | 5913 | 1.3      | 23.6     | 7.1      | 53       | 0.20     | 22.7     | 10.1     | 474      | 2.54        | 5        | 1.2     | 9.7      | 3.6      | 34       | 0.1      |
| 11TB0567  | Skookum East | 626648 | 6989564 | 5912 | 1.1      | 17.2     | 7.8      | 51       | 0.20     | 12.9     | 8.7      | 400      | 2.62        | 5.4      | 0.6     | 5.4      | 3.8      | 19       | 0.049    |
| 11TB0566  | Skookum East | 626646 | 6989459 | 5911 | 1.1      | 13.8     | 8.9      | 40       | 0.20     | 16.4     | 6.2      | 413      | 1.95        | 4.2      | 0.8     | 105.6    | 4.2      | 24       | 0.1      |
| 11TB0565  | Skookum East | 626652 | 6989358 | 5910 | 1.0      | 13.3     | 9.7      | 41       | 0.05     | 14.9     | 6        | 166      | 2.27        | 5.9      | 0.5     | 3.1      | 4.6      | 21       | 0.049    |
| 11TB0564  | Skookum East | 626649 | 6989261 | 5909 | 1.2      | 13.8     | 8.4      | 55       | 0.05     | 19.0     | 8.6      | 343      | 3.32        | 6        | 0.5     | 5.7      | 6.8      | 17       | 0.1      |
| 11TB0563  | Skookum East | 626651 | 6989164 | 5908 | 1.4      | 43.4     | 49.7     | 101      | 0.20     | 13.9     | 8.5      | 438      | 2.72        | 5        | 0.9     | 9.7      | 3.8      | 28       | 0.3      |
| 11TB0562  | Skookum East | 626654 | 6989058 | 5907 | 1.7      | 26.9     | 7.2      | 85       | 0.30     | 8.3      | 11.7     | 378      | 3.73        | 2.1      | 1.2     | 1.7      | 2.3      | 33       | 0.049    |
| 11TB0560  | Skookum East | 626642 | 6988958 | 5905 | 1.0      | 21.9     | 5.4      | 77       | 0.30     | 13.0     | 12.2     | 377      | 3.08        | 3.3      | 0.8     | 13.7     | 2.2      | 35       | 0.049    |
| 11TB0559  | Skookum East | 626645 | 6988857 | 5904 | 1.3      | 22.4     | 8.3      | 74       | 0.20     | 12.3     | 10.7     | 340      | 2.38        | 2.9      | 1.9     | 5.7      | 2.6      | 57       | 0.2      |
| 11TB0558  | Skookum East | 626651 | 6988755 | 5903 | 1.1      | 16.4     | 11.4     | 84       | 0.50     | 12.3     | 10.4     | 291      | 2.56        | 5.4      | 0.6     | 4.4      | 1.8      | 19       | 0.1      |
| 11TB0557  | Skookum East | 626651 | 6988655 | 5902 | 0.9      | 14.1     | 5.9      | 33       | 0.40     | 9.5      | 4.2      | 83       | 1.59        | 2.4      | 0.6     | 4.1      | 0.6      | 24       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0556  | Skookum East | 626651 | 6988555 | 5901 | 1.2      | 17.6     | 7.6      | 70       | 0.50     | 12.1     | 8.5      | 274      | 2.85        | 3.9      | 0.9     | 10.4     | 2.3      | 41       | 0.049    |
| 11TB0555  | Skookum East | 626450 | 6988603 | 5900 | 0.8      | 18.2     | 5.8      | 70       | 0.30     | 14.4     | 8.3      | 460      | 2.87        | 3        | 1.4     | 7        | 5.1      | 32       | 0.049    |
| 11TB0554  | Skookum East | 626450 | 6988702 | 5899 | 0.8      | 22.1     | 4.1      | 85       | 0.30     | 11.8     | 10       | 641      | 3.36        | 2.3      | 1.2     | 11.2     | 6.6      | 17       | 0.049    |
| 11TB0553  | Skookum East | 626450 | 6988800 | 5898 | 0.6      | 16.9     | 8.3      | 56       | 0.20     | 14.6     | 10       | 301      | 2.93        | 4.7      | 0.5     | 4.7      | 2.4      | 26       | 0.1      |
| 11TB0552  | Skookum East | 626450 | 6988902 | 5897 | 0.7      | 11.6     | 8.1      | 82       | 0.10     | 10.2     | 6.9      | 350      | 3.28        | 5.8      | 0.5     | 3        | 2.1      | 25       | 0.049    |
| 11TB0551  | Skookum East | 626450 | 6989000 | 5896 | 0.8      | 19.5     | 6.3      | 59       | 0.40     | 12.0     | 10.5     | 555      | 2.54        | 2.7      | 1.1     | 9.5      | 2.8      | 42       | 0.049    |
| 11TB0550  | Skookum East | 626450 | 6989094 | 5895 | 1.3      | 25.6     | 5.4      | 78       | 0.70     | 7.5      | 13.6     | 312      | 3.54        | 5.8      | 0.5     | 12.2     | 1.7      | 38       | 0.049    |
| 11TB0549  | Skookum East | 626450 | 6989202 | 5894 | 2.1      | 45.8     | 11.9     | 75       | 0.50     | 12.8     | 12       | 457      | 3.09        | 5.1      | 1.4     | 3.8      | 3.9      | 41       | 0.1      |
| 11TB0548  | Skookum East | 626450 | 6989309 | 5893 | 1.5      | 15.8     | 11.4     | 63       | 0.10     | 15.9     | 7.6      | 523      | 3.26        | 8.4      | 0.6     | 4.3      | 5        | 20       | 0.2      |
| 11TB0547  | Skookum East | 626450 | 6989405 | 5892 | 1.1      | 14.5     | 9.0      | 48       | 0.20     | 14.9     | 7        | 419      | 2.5         | 4.9      | 0.7     | 2.8      | 6.8      | 25       | 0.1      |
| 11TB0546  | Skookum East | 626450 | 6989507 | 5891 | 1.2      | 18.8     | 9.8      | 56       | 0.10     | 24.0     | 9.4      | 436      | 2.99        | 8.1      | 0.8     | 12.9     | 7.5      | 23       | 0.049    |
| 11TB0545  | Skookum East | 626443 | 6989607 | 5890 | 1.3      | 29.0     | 11.7     | 56       | 0.10     | 16.8     | 6.3      | 317      | 2.53        | 6.7      | 0.9     | 32.1     | 6.7      | 23       | 0.1      |
| 11TB0544  | Skookum East | 626461 | 6989702 | 5889 | 1.1      | 24.2     | 10.6     | 50       | 0.05     | 18.9     | 7.8      | 341      | 2.55        | 8.6      | 0.9     | 17.3     | 5.8      | 26       | 0.1      |
| 11TB0543  | Skookum East | 626455 | 6989804 | 5888 | 4.2      | 22.5     | 8.3      | 60       | 0.20     | 15.9     | 8.3      | 616      | 2.31        | 4        | 6.2     | 7.2      | 5.6      | 50       | 0.2      |
| 11TB0542  | Skookum East | 626447 | 6989903 | 5887 | 2.4      | 29.2     | 10.4     | 59       | 0.20     | 23.1     | 9.1      | 547      | 2.82        | 5.4      | 4       | 6.6      | 6.4      | 37       | 0.1      |
| 11TB0540  | Skookum East | 626453 | 6990009 | 5885 | 0.9      | 21.5     | 7.8      | 56       | 0.05     | 23.5     | 8.9      | 308      | 2.99        | 6.3      | 1       | 2.1      | 6.4      | 25       | 0.049    |
| 11TB0539  | Skookum East | 626454 | 6990106 | 5884 | 1.1      | 21.7     | 9.8      | 65       | 0.05     | 46.3     | 12.3     | 500      | 3.47        | 7.6      | 1       | 1.1      | 9.8      | 46       | 0.049    |
| 11TB0538  | Skookum East | 626452 | 6990206 | 5883 | 1.3      | 17.2     | 11.1     | 62       | 0.05     | 25.5     | 10.5     | 353      | 3.82        | 9.7      | 0.8     | 1.3      | 5.7      | 18       | 0.1      |
| 11TB0537  | Skookum East | 626453 | 6990302 | 5882 | 3.1      | 18.0     | 10.2     | 66       | 0.05     | 47.6     | 10.9     | 607      | 3.42        | 9.3      | 1.2     | 72.9     | 7.6      | 28       | 0.1      |
| 11TB0536  | Skookum East | 626451 | 6990409 | 5881 | 8.9      | 31.2     | 8.9      | 64       | 0.30     | 19.6     | 13.2     | 628      | 2.98        | 5.3      | 2.5     | 4.1      | 2.9      | 37       | 0.2      |
| 11TB0535  | Skookum East | 626452 | 6990509 | 5880 | 3.2      | 38.9     | 5.6      | 68       | 0.05     | 67.0     | 15.5     | 364      | 2.93        | 3.6      | 0.5     | 1        | 2.5      | 39       | 0.1      |
| 11TB0534  | Skookum East | 626146 | 6990202 | 5879 | 1.2      | 40.2     | 7.0      | 56       | 0.05     | 22.8     | 15.1     | 628      | 3.54        | 4.6      | 0.5     | 1.5      | 3.6      | 22       | 0.049    |
| 11TB0533  | Skookum East | 626142 | 6990104 | 5878 | 1.4      | 26.2     | 9.6      | 50       | 0.05     | 24.4     | 10.2     | 282      | 3.1         | 8.9      | 0.6     | 2.8      | 3.4      | 18       | 0.049    |
| 11TB0532  | Skookum East | 626152 | 6990060 | 5877 | 1.3      | 21.0     | 11.3     | 44       | 0.05     | 21.6     | 9        | 185      | 2.77        | 9.8      | 1.1     | 3.7      | 7.8      | 14       | 0.049    |
| 11TB0531  | Skookum East | 626147 | 6989998 | 5876 | 1.5      | 14.1     | 10.1     | 43       | 0.05     | 12.0     | 5.9      | 199      | 3           | 8.9      | 0.4     | 2.3      | 5.7      | 12       | 0.049    |
| 11TB0530  | Skookum East | 626149 | 6989958 | 5875 | 2.8      | 15.0     | 9.8      | 48       | 0.05     | 17.3     | 6.7      | 237      | 3.4         | 15       | 0.5     | 7        | 4.3      | 13       | 0.049    |
| 11TB0529  | Skookum East | 626151 | 6989903 | 5874 | 2.4      | 22.3     | 10.4     | 52       | 0.05     | 23.2     | 9.9      | 393      | 2.99        | 14       | 0.8     | 44       | 5.2      | 21       | 0.1      |
| 11TB0528  | Skookum East | 626148 | 6989856 | 5873 | 1.7      | 15.8     | 8.9      | 58       | 0.05     | 16.0     | 6.9      | 326      | 3.34        | 32.1     | 0.6     | 54.7     | 4.5      | 15       | 0.1      |
| 11TB0527  | Skookum East | 626147 | 6989805 | 5872 | 1.5      | 16.6     | 9.1      | 50       | 0.20     | 18.5     | 6.9      | 211      | 3.42        | 14       | 0.4     | 33.4     | 4.5      | 13       | 0.049    |
| 11TB0526  | Skookum East | 626147 | 6989750 | 5871 | 1.4      | 18.4     | 11.5     | 56       | 0.10     | 21.7     | 7.8      | 292      | 3.39        | 9.9      | 0.6     | 7.9      | 6.6      | 15       | 0.1      |
| 11TB0525  | Skookum East | 626147 | 6989699 | 5870 | 1.5      | 18.7     | 14.9     | 79       | 0.05     | 21.8     | 8.4      | 289      | 3.33        | 12.1     | 0.6     | 10.3     | 6.3      | 16       | 0.1      |
| 11TB0524  | Skookum East | 626146 | 6989651 | 5869 | 1.4      | 17.8     | 9.9      | 55       | 0.10     | 21.1     | 9.1      | 296      | 3.33        | 9.7      | 0.5     | 4.1      | 5.2      | 14       | 0.1      |
| 11TB0523  | Skookum East | 626144 | 6989598 | 5868 | 1.7      | 14.5     | 11.1     | 55       | 0.10     | 19.0     | 8.4      | 317      | 3.62        | 9.3      | 0.6     | 5.5      | 6.1      | 11       | 0.2      |
| 11TB0522  | Skookum East | 626147 | 6989553 | 5867 | 1.2      | 15.1     | 10.2     | 45       | 0.05     | 15.0     | 5.8      | 189      | 2.67        | 8.7      | 0.6     | 4.8      | 3.2      | 18       | 0.049    |
| 11TB0521  | Skookum East | 626145 | 6989503 | 5866 | 0.8      | 23.6     | 9.1      | 52       | 0.05     | 23.8     | 9.6      | 277      | 2.8         | 11.2     | 0.8     | 4.1      | 6.2      | 21       | 0.049    |
| 11TB0520  | Skookum East | 626145 | 6989458 | 5865 | 1.2      | 14.7     | 10.4     | 50       | 0.10     | 18.1     | 10.2     | 370      | 3.01        | 9.3      | 0.4     | 3        | 4.6      | 14       | 0.1      |
| 11TB0519  | Skookum East | 626152 | 6989398 | 5864 | 1.1      | 15.2     | 9.3      | 43       | 0.10     | 21.0     | 6.7      | 247      | 2.64        | 7.9      | 0.5     | 37.1     | 5.2      | 20       | 0.049    |
| 11TB0518  | Skookum East | 626143 | 6989349 | 5863 | 1.1      | 17.1     | 10.4     | 39       | 0.10     | 14.8     | 7.1      | 253      | 2.58        | 6.5      | 0.6     | 4.9      | 7.2      | 18       | 0.049    |
| 11TB0517  | Skookum East | 626141 | 6989303 | 5862 | 3.3      | 40.4     | 11.4     | 53       | 0.30     | 18.5     | 8        | 219      | 3.05        | 9.9      | 0.7     | 3.1      | 7.2      | 22       | 0.049    |
| 11TB0516  | Skookum East | 626147 | 6989251 | 5861 | 1.8      | 24.6     | 12.5     | 42       | 0.30     | 8.4      | 5.3      | 441      | 1.79        | 3.2      | 0.7     | 10.7     | 4.4      | 13       | 0.2      |
| 11TB0515  | Skookum East | 626148 | 6989203 | 5860 | 1.0      | 12.7     | 9.3      | 59       | 0.20     | 12.7     | 7.5      | 249      | 3.24        | 6.7      | 0.6     | 6.6      | 3.1      | 16       | 0.049    |
| 11TB0514  | Skookum East | 626146 | 6989149 | 5859 | 0.9      | 21.3     | 9.1      | 66       | 0.10     | 18.3     | 11.1     | 427      | 3.43        | 7.3      | 0.8     | 4.1      | 6        | 18       | 0.049    |
| 11TB0513  | Skookum East | 626146 | 6989103 | 5858 | 1.1      | 21.8     | 9.5      | 62       | 0.30     | 19.0     | 10.3     | 265      | 3.39        | 6.6      | 0.8     | 1.8      | 2.3      | 20       | 0.049    |
| 11TB0512  | Skookum East | 626142 | 6989050 | 5857 | 0.9      | 22.0     | 10.7     | 69       | 0.20     | 31.0     | 14       | 308      | 3.68        | 7.1      | 0.4     | 14.6     | 2.1      | 23       | 0.049    |
| 11TB0511  | Skookum East | 626144 | 6988995 | 5856 | 0.7      | 28.7     | 8.4      | 64       | 0.20     | 19.2     | 11.2     | 305      | 2.94        | 4.3      | 0.7     | 16.9     | 3.8      | 23       | 0.049    |
| 11TB0510  | Skookum East | 626137 | 6988953 | 5855 | 0.9      | 25.0     | 7.7      | 51       | 0.10     | 21.8     | 10.2     | 233      | 2.79        | 7.5      | 0.6     | 13       | 3.6      | 19       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0509  | Skookum East | 626138 | 6988898 | 5854 | 0.9      | 11.6     | 10.3     | 51       | 0.30     | 13.6     | 6.7      | 289      | 3.6         | 8.9      | 0.5     | 21.9     | 3.5      | 14       | 0.049    |
| 11TB0508  | Skookum East | 626136 | 6988854 | 5853 | 1.3      | 13.1     | 9.2      | 63       | 0.20     | 13.7     | 8.6      | 438      | 3.35        | 7.4      | 0.5     | 4.9      | 3.4      | 12       | 0.049    |
| 11TB0507  | Skookum East | 626138 | 6988754 | 5852 | 0.8      | 19.5     | 9.1      | 65       | 0.10     | 31.8     | 11.3     | 529      | 3.19        | 4.9      | 0.9     | 1.3      | 6        | 24       | 0.1      |
| 11TB0506  | Skookum East | 626142 | 6988703 | 5851 | 0.9      | 14.2     | 6.8      | 69       | 0.05     | 11.7     | 7.6      | 481      | 2.89        | 5.4      | 0.8     | 1.5      | 6.1      | 15       | 0.049    |
| 11TB0505  | Skookum East | 626141 | 6988659 | 5850 | 1.0      | 14.9     | 8.3      | 71       | 0.10     | 16.9     | 8.9      | 501      | 3.5         | 6.2      | 0.7     | 1.9      | 4.5      | 18       | 0.049    |
| 11TB0504  | Skookum East | 626142 | 6988599 | 5849 | 1.2      | 21.1     | 8.6      | 75       | 0.05     | 15.9     | 8.2      | 465      | 3.29        | 5.6      | 0.7     | 1.6      | 5.1      | 17       | 0.049    |
| 11TB0503  | Skookum East | 626142 | 6988555 | 5848 | 1.2      | 15.4     | 8.7      | 84       | 0.10     | 10.0     | 6.8      | 943      | 2.76        | 5        | 0.4     | 1.8      | 3        | 20       | 0.2      |
| 11TB0502  | Skookum East | 626052 | 6989502 | 5847 | 0.7      | 11.0     | 11.0     | 71       | 0.05     | 6.5      | 7.1      | 441      | 3.09        | 2.8      | 0.6     | 309      | 18.1     | 11       | 0.049    |
| 11TB0500  | Skookum East | 626055 | 6989394 | 5845 | 0.9      | 9.7      | 8.6      | 40       | 0.05     | 6.4      | 5        | 166      | 2.57        | 2.8      | 0.7     | 4.4      | 10.2     | 16       | 0.049    |
| 11TB0499  | Skookum East | 626049 | 6989303 | 5844 | 2.4      | 131.7    | 12.5     | 71       | 0.20     | 13.3     | 8        | 294      | 3.64        | 8        | 1.4     | 6.1      | 9.5      | 17       | 0.049    |
| 11TB0498  | Skookum East | 626050 | 6989203 | 5843 | 1.1      | 15.0     | 11.0     | 53       | 0.30     | 13.2     | 5.6      | 291      | 2.72        | 8        | 0.5     | 1.7      | 2.1      | 16       | 0.1      |
| 11TB0497  | Skookum East | 626049 | 6989099 | 5842 | 1.3      | 22.4     | 10.7     | 59       | 1.10     | 28.5     | 14       | 269      | 3.54        | 10.6     | 0.5     | 3.3      | 3.5      | 14       | 0.1      |
| 11TB0496  | Skookum East | 626045 | 6988999 | 5841 | 2.1      | 17.7     | 10.0     | 50       | 0.40     | 16.9     | 8.8      | 153      | 3.97        | 10.8     | 0.6     | 1.1      | 2.2      | 10       | 0.1      |
| 11TB0495  | Skookum East | 626049 | 6988903 | 5840 | 1.5      | 18.5     | 15.9     | 65       | 0.20     | 24.1     | 8.6      | 535      | 3.15        | 9.4      | 0.6     | 3.4      | 4.2      | 15       | 0.1      |
| 11TB0494  | Skookum East | 626048 | 6988803 | 5839 | 1.5      | 15.8     | 12.0     | 67       | 0.20     | 33.8     | 10.1     | 509      | 3.31        | 4.3      | 0.6     | 2.1      | 4.7      | 23       | 0.049    |
| 11TB0493  | Skookum East | 626049 | 6988703 | 5838 | 1.6      | 12.5     | 17.0     | 66       | 0.10     | 15.3     | 6.8      | 416      | 3.09        | 5.8      | 0.6     | 3.4      | 3.1      | 13       | 0.049    |
| 11TB0492  | Skookum East | 626048 | 6988600 | 5837 | 1.9      | 31.7     | 11.9     | 78       | 0.05     | 15.1     | 7.5      | 458      | 3.7         | 8.4      | 0.6     | 0.8      | 3.2      | 13       | 0.2      |
| 11TB0491  | Skookum East | 625955 | 6988545 | 5836 | 0.5      | 46.1     | 14.2     | 58       | 0.05     | 30.7     | 15.6     | 515      | 3.34        | 4.3      | 0.2     | 0.6      | 1.5      | 10       | 0.3      |
| 11TB0490  | Skookum East | 625950 | 6988646 | 5835 | 1.0      | 10.1     | 8.2      | 120      | 0.10     | 8.4      | 11.5     | 947      | 4.04        | 4        | 0.4     | 0.249    | 3.3      | 12       | 0.2      |
| 11TB0489  | Skookum East | 625954 | 6988746 | 5834 | 0.9      | 17.6     | 10.9     | 47       | 0.10     | 18.3     | 7.1      | 211      | 2.87        | 9.1      | 0.8     | 2.4      | 5.3      | 16       | 0.049    |
| 11TB0488  | Skookum East | 625944 | 6988846 | 5833 | 1.2      | 18.3     | 11.3     | 58       | 0.05     | 20.5     | 10.1     | 298      | 3.57        | 11.3     | 0.8     | 2.7      | 4.5      | 13       | 0.049    |
| 11TB0487  | Skookum East | 625949 | 6988945 | 5832 | 1.1      | 14.5     | 11.2     | 46       | 0.05     | 15.7     | 8.4      | 272      | 3.07        | 8.6      | 0.7     | 2.4      | 3.7      | 13       | 0.049    |
| 11TB0486  | Skookum East | 625944 | 6989049 | 5831 | 1.2      | 32.7     | 11.6     | 52       | 0.30     | 27.6     | 13.1     | 235      | 3.31        | 9.4      | 0.5     | 4.8      | 2.7      | 18       | 0.049    |
| 11TB0485  | Skookum East | 625949 | 6989150 | 5830 | 1.0      | 28.6     | 13.3     | 73       | 0.10     | 27.0     | 15.4     | 369      | 4.24        | 7.1      | 0.4     | 6.8      | 2.5      | 15       | 0.049    |
| 11TB0484  | Skookum East | 625953 | 6989251 | 5829 | 2.4      | 42.9     | 19.3     | 56       | 0.10     | 16.3     | 7        | 366      | 2.46        | 4.7      | 1.1     | 7.7      | 7.7      | 21       | 0.049    |
| 11TB0483  | Skookum East | 625955 | 6989351 | 5828 | 1.4      | 13.4     | 13.9     | 50       | 0.05     | 16.0     | 7.9      | 252      | 3.28        | 8.8      | 0.5     | 1.5      | 6.5      | 31       | 0.1      |
| 11TB0482  | Skookum East | 625949 | 6989452 | 5827 | 1.3      | 23.4     | 10.6     | 65       | 0.10     | 15.4     | 9.4      | 459      | 3.52        | 7.8      | 0.5     | 2.5      | 3.5      | 33       | 0.049    |
| 11TB0371  | Gertie       | 624370 | 6987921 | 5026 | 2.6      | 38.6     | 19.7     | 24       | 0.20     | 8.3      | 2.4      | 113      | 2.48        | 4.9      | 3.7     | 4.2      | 11.4     | 55       | 0.049    |
| 11TB0370  | Gertie       | 624384 | 6987832 | 5025 | 2.2      | 15.3     | 28.6     | 63       | 0.20     | 10.4     | 4.8      | 206      | 3.15        | 15.5     | 2.4     | 1.4      | 12       | 44       | 0.049    |
| 11TB0369  | Gertie       | 624383 | 6987731 | 5024 | 3.2      | 19.1     | 25.8     | 60       | 0.40     | 16.7     | 9.3      | 436      | 3.36        | 15       | 1.3     | 3.8      | 8.4      | 24       | 0.049    |
| 11TB0368  | Gertie       | 624384 | 6987612 | 5023 | 1.8      | 16.9     | 14.8     | 65       | 0.20     | 16.4     | 9        | 472      | 2.66        | 6.6      | 1.2     | 3.9      | 6.3      | 22       | 0.3      |
| 11TB0367  | Gertie       | 624384 | 6987529 | 5022 | 1.3      | 19.3     | 7.1      | 59       | 0.05     | 13.2     | 10.5     | 499      | 3.04        | 4        | 0.7     | 0.249    | 3.3      | 36       | 0.049    |
| 11TB0366  | Gertie       | 624200 | 6987364 | 5021 | 1.1      | 10.8     | 6.9      | 65       | 0.05     | 13.7     | 11.3     | 409      | 3.36        | 4.5      | 0.3     | 0.249    | 1.9      | 15       | 0.049    |
| 11TB0365  | Gertie       | 624394 | 6987427 | 5020 | 0.8      | 12.9     | 6.7      | 95       | 0.05     | 13.2     | 13.1     | 864      | 2.92        | 2.8      | 0.2     | 0.249    | 2.3      | 21       | 0.1      |
| 11TB0364  | Gertie       | 624190 | 6987466 | 5019 | 0.9      | 28.0     | 6.7      | 58       | 0.05     | 34.5     | 13.7     | 451      | 2.59        | 5        | 0.4     | 4.8      | 2.8      | 24       | 0.049    |
| 11TB0363  | Gertie       | 624191 | 6987562 | 5018 | 1.3      | 12.0     | 8.2      | 58       | 0.20     | 16.9     | 13.1     | 1209     | 3.19        | 3.4      | 0.4     | 0.249    | 2.2      | 20       | 0.1      |
| 11TB0362  | Gertie       | 624180 | 6987665 | 5017 | 1.2      | 13.4     | 11.7     | 50       | 0.05     | 17.0     | 7.2      | 182      | 2.77        | 8.7      | 0.6     | 1        | 5.4      | 15       | 0.1      |
| 11TB0360  | Gertie       | 624181 | 6987664 | 5015 | 2.3      | 9.9      | 25.5     | 32       | 0.20     | 10.5     | 4.3      | 120      | 2.35        | 8.8      | 0.6     | 2.2      | 4.2      | 14       | 0.1      |
| 11TB0359  | Gertie       | 624181 | 6987764 | 5014 | 6.5      | 30.4     | 128.1    | 125      | 0.30     | 7.4      | 4.1      | 166      | 2.62        | 42       | 1.6     | 6.2      | 9.3      | 21       | 0.1      |
| 11TB0358  | Gertie       | 624168 | 6987864 | 5013 | 1.6      | 19.8     | 14.6     | 41       | 0.05     | 15.2     | 6.1      | 169      | 2.81        | 6.8      | 1.7     | 4.9      | 8.4      | 27       | 0.049    |
| 11TB0357  | Gertie       | 624169 | 6987964 | 5012 | 2.0      | 15.6     | 22.0     | 150      | 0.20     | 7.5      | 6.8      | 568      | 3.5         | 4.5      | 1.5     | 0.7      | 7.3      | 38       | 0.049    |
| 11TB0356  | Gertie       | 624168 | 6988058 | 5011 | 1.8      | 11.6     | 8.3      | 47       | 0.10     | 12.5     | 6.7      | 234      | 2.05        | 18.1     | 1       | 1.7      | 4.5      | 23       | 0.049    |
| 11TB0355  | Gertie       | 623968 | 6988060 | 5010 | 1.6      | 12.2     | 23.3     | 83       | 0.40     | 11.1     | 5.7      | 220      | 2.33        | 9.4      | 2.4     | 6.8      | 6.1      | 38       | 0.049    |
| 11TB0354  | Gertie       | 623971 | 6987953 | 5009 | 2.5      | 17.7     | 30.4     | 63       | 0.20     | 11.4     | 6.6      | 181      | 2.56        | 7.8      | 4.1     | 3.6      | 9.3      | 34       | 0.2      |
| 11TB0353  | Gertie       | 623978 | 6987756 | 5008 | 1.6      | 13.9     | 14.5     | 53       | 0.20     | 12.8     | 9.2      | 242      | 3.14        | 8.5      | 1.4     | 18.8     | 5        | 24       | 0.1      |
| 11TB0352  | Gertie       | 623971 | 6987854 | 5007 | 2.7      | 17.5     | 127.0    | 98       | 0.60     | 12.6     | 4.9      | 207      | 3.12        | 21.5     | 1.4     | 11.2     | 7        | 27       | 0.2      |



| Sample No | Area   | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0351  | Gertie | 623983 | 6987657 | 5006 | 0.5      | 36.1     | 4.4      | 73       | 0.05     | 12.7     | 18.1     | 861      | 3.47        | 2.5      | 0.3     | 0.249    | 1.3      | 24       | 0.049    |
| 11TB0350  | Gertie | 623986 | 6987561 | 5005 | 1.3      | 11.5     | 9.1      | 46       | 0.10     | 13.7     | 7        | 274      | 2.39        | 6.7      | 0.4     | 0.9      | 2.1      | 17       | 0.1      |
| 11TB0349  | Gertie | 623990 | 6987453 | 5004 | 1.4      | 15.3     | 6.8      | 73       | 0.10     | 16.8     | 13.6     | 651      | 3.9         | 5        | 0.3     | 0.249    | 2.2      | 18       | 0.1      |
| 11TB0348  | Gertie | 623996 | 6987358 | 5003 | 2.9      | 12.9     | 25.0     | 60       | 0.20     | 15.2     | 8.5      | 262      | 2.87        | 16.3     | 1.6     | 0.9      | 10.9     | 26       | 0.1      |
| 11TB0347  | Gertie | 625079 | 6987798 | 5002 | 3.0      | 16.8     | 35.6     | 27       | 0.40     | 10.1     | 2.6      | 58       | 3.28        | 38.2     | 1.1     | 7.1      | 23.8     | 32       | 0.049    |
| 11TB0346  | Gertie | 625082 | 6987848 | 5001 | 2.2      | 21.6     | 10.9     | 48       | 0.05     | 18.3     | 8.3      | 252      | 2.48        | 10.5     | 1.6     | 8.3      | 7.2      | 27       | 0.1      |
| 11TB0345  | Gertie | 625079 | 6987900 | 5000 | 2.5      | 18.4     | 10.7     | 52       | 0.05     | 15.3     | 10.2     | 345      | 2.74        | 10.4     | 1       | 1.2      | 6        | 28       | 0.049    |
| 11TB0344  | Gertie | 624972 | 6987999 | 4999 | 1.0      | 17.9     | 8.7      | 56       | 0.05     | 27.9     | 11.5     | 208      | 2.8         | 8.6      | 0.8     | 3.1      | 7        | 23       | 0.049    |
| 11TB0343  | Gertie | 624970 | 6987945 | 4998 | 2.0      | 24.2     | 11.9     | 69       | 0.05     | 17.0     | 10.3     | 414      | 3.23        | 15.3     | 0.6     | 1.3      | 3.6      | 24       | 0.049    |
| 11TB0342  | Gertie | 624970 | 6987895 | 4997 | 4.2      | 18.2     | 11.5     | 37       | 0.05     | 18.3     | 6.8      | 187      | 2.71        | 14.3     | 1.7     | 2.8      | 8.2      | 33       | 0.049    |
| 11TB0340  | Gertie | 624975 | 6987845 | 4995 | 2.4      | 23.1     | 21.8     | 77       | 0.05     | 12.8     | 14.2     | 614      | 2.93        | 6.8      | 3.7     | 15.2     | 15.8     | 20       | 0.049    |
| 11TB0339  | Gertie | 624976 | 6987795 | 4994 | 1.5      | 18.5     | 16.1     | 104      | 0.05     | 9.8      | 8.2      | 341      | 2.58        | 4.9      | 2       | 1.6      | 10.3     | 14       | 0.049    |
| 11TB0338  | Gertie | 624883 | 6987644 | 4993 | 9.9      | 55.4     | 39.0     | 125      | 0.10     | 14.3     | 19.9     | 759      | 3.53        | 17.2     | 3.9     | 10       | 19.2     | 20       | 0.3      |
| 11TB0337  | Gertie | 624883 | 6987688 | 4992 | 3.0      | 22.7     | 28.8     | 58       | 0.30     | 14.2     | 8        | 245      | 2.75        | 12.5     | 2.3     | 6.4      | 9.2      | 32       | 0.1      |
| 11TB0336  | Gertie | 624876 | 6987731 | 4991 | 2.8      | 17.0     | 15.3     | 38       | 0.10     | 12.0     | 5.1      | 158      | 2.29        | 10.6     | 1       | 7.2      | 6.8      | 30       | 0.049    |
| 11TB0335  | Gertie | 624879 | 6987790 | 4990 | 2.3      | 23.6     | 22.1     | 47       | 0.10     | 18.8     | 8.2      | 328      | 2.36        | 8.1      | 1.3     | 3.8      | 9.2      | 28       | 0.049    |
| 11TB0334  | Gertie | 624880 | 6987843 | 4989 | 1.9      | 15.9     | 13.7     | 54       | 0.05     | 12.2     | 8.1      | 304      | 2.5         | 6.8      | 2       | 1.3      | 10.1     | 21       | 0.049    |
| 11TB0333  | Gertie | 624875 | 6987890 | 4988 | 3.3      | 23.6     | 9.9      | 52       | 0.05     | 29.4     | 9.1      | 264      | 2.72        | 9.6      | 1.1     | 1.5      | 6.4      | 25       | 0.049    |
| 11TB0332  | Gertie | 624870 | 6987937 | 4987 | 2.5      | 23.3     | 10.9     | 105      | 0.05     | 47.0     | 14.1     | 315      | 3.79        | 9.3      | 1.2     | 0.249    | 11.8     | 22       | 0.049    |
| 11TB0331  | Gertie | 624878 | 6987988 | 4986 | 0.9      | 8.5      | 11.2     | 61       | 0.05     | 10.5     | 7        | 359      | 2.69        | 3.8      | 0.5     | 0.249    | 2.3      | 12       | 0.049    |
| 11TB0330  | Gertie | 623793 | 6987295 | 4985 | 1.5      | 14.9     | 10.5     | 58       | 0.10     | 19.1     | 11.1     | 426      | 2.83        | 7.6      | 0.7     | 0.7      | 5.5      | 21       | 0.049    |
| 11TB0329  | Gertie | 623793 | 6987349 | 4984 | 2.0      | 18.9     | 113.6    | 144      | 0.20     | 8.4      | 5.7      | 228      | 2.41        | 25.9     | 2.1     | 2.3      | 10.4     | 13       | 0.2      |
| 11TB0328  | Gertie | 623793 | 6987398 | 4983 | 2.0      | 14.3     | 12.6     | 53       | 0.10     | 12.5     | 10       | 366      | 3.14        | 14.8     | 1.3     | 0.6      | 7.4      | 23       | 0.2      |
| 11TB0327  | Gertie | 623794 | 6987448 | 4982 | 1.5      | 13.4     | 12.0     | 36       | 0.10     | 8.5      | 5.2      | 504      | 1.76        | 7.4      | 1.4     | 0.249    | 12.8     | 20       | 0.049    |
| 11TB0326  | Gertie | 623794 | 6987498 | 4981 | 1.2      | 14.5     | 5.5      | 74       | 0.20     | 12.3     | 13.1     | 1374     | 3.74        | 3.3      | 0.4     | 1.1      | 1.9      | 23       | 0.049    |
| 11TB0325  | Gertie | 623786 | 6987544 | 4980 | 1.4      | 17.5     | 13.0     | 99       | 0.05     | 11.4     | 12.8     | 1550     | 3.32        | 4.5      | 0.5     | 0.249    | 2.5      | 19       | 0.049    |
| 11TB0324  | Gertie | 623785 | 6987596 | 4979 | 1.0      | 23.8     | 6.8      | 93       | 0.05     | 18.3     | 12       | 573      | 2.87        | 5.4      | 0.8     | 3.7      | 4.7      | 19       | 0.049    |
| 11TB0323  | Gertie | 623780 | 6987645 | 4978 | 0.8      | 24.4     | 6.0      | 60       | 0.30     | 18.3     | 12.8     | 569      | 2.82        | 4.7      | 1.4     | 3.6      | 2.9      | 44       | 0.1      |
| 11TB0322  | Gertie | 623781 | 6987695 | 4977 | 1.1      | 26.9     | 10.3     | 59       | 0.20     | 15.1     | 12.6     | 280      | 2.82        | 11.1     | 0.9     | 22.6     | 6.8      | 20       | 0.049    |
| 11TB0321  | Gertie | 623780 | 6987748 | 4976 | 1.4      | 13.4     | 11.1     | 62       | 0.20     | 10.3     | 8.5      | 297      | 2.41        | 6.6      | 1.9     | 13.9     | 6.7      | 28       | 0.1      |
| 11TB0320  | Gertie | 623777 | 6987801 | 4975 | 1.3      | 13.1     | 8.5      | 70       | 0.20     | 8.4      | 10.4     | 577      | 2.59        | 4.3      | 2.1     | 5.2      | 4.2      | 34       | 0.1      |
| 11TB0319  | Gertie | 623776 | 6987844 | 4974 | 1.1      | 8.1      | 17.0     | 41       | 0.10     | 6.9      | 3.8      | 128      | 1.79        | 5.3      | 1.3     | 2.8      | 3.6      | 18       | 0.049    |
| 11TB0318  | Gertie | 623768 | 6987901 | 4973 | 2.2      | 22.5     | 34.4     | 109      | 0.20     | 66.2     | 13.4     | 297      | 3.3         | 13.6     | 2.8     | 2.9      | 11.1     | 33       | 0.3      |
| 11TB0317  | Gertie | 623769 | 6987947 | 4972 | 1.6      | 18.2     | 41.7     | 59       | 0.40     | 7.1      | 3.7      | 113      | 1.62        | 10.4     | 3.5     | 5.6      | 5.3      | 31       | 0.2      |
| 11TB0316  | Gertie | 623764 | 6988000 | 4971 | 1.6      | 20.4     | 29.1     | 57       | 0.30     | 7.5      | 3.8      | 120      | 2.17        | 10.6     | 3.6     | 3        | 4.8      | 27       | 0.1      |
| 11TB0315  | Gertie | 623767 | 6988047 | 4970 | 1.5      | 24.7     | 41.6     | 57       | 0.50     | 9.0      | 4.6      | 209      | 2.59        | 9.2      | 5.5     | 2.6      | 2.5      | 27       | 0.6      |
| 11TB0314  | Gertie | 623768 | 6988094 | 4969 | 1.2      | 15.8     | 19.8     | 66       | 0.30     | 11.5     | 8.8      | 520      | 1.92        | 5.7      | 2.3     | 4.2      | 5.7      | 39       | 0.3      |
| 11TB0313  | Gertie | 623775 | 6988147 | 4968 | 1.3      | 13.1     | 9.6      | 59       | 0.20     | 12.1     | 8.4      | 371      | 2.09        | 5        | 1.5     | 3.6      | 3.3      | 33       | 0.2      |
| 11TB0312  | Gertie | 623762 | 6988195 | 4967 | 1.1      | 24.7     | 4.2      | 68       | 0.05     | 14.9     | 17.9     | 414      | 3.76        | 2.2      | 1.1     | 0.249    | 2.6      | 39       | 0.049    |
| 11TB0311  | Gertie | 623687 | 6987440 | 4966 | 1.5      | 14.1     | 12.4     | 53       | 0.10     | 7.4      | 9.4      | 280      | 2.97        | 12.9     | 1.5     | 0.249    | 11       | 30       | 0.049    |
| 11TB0310  | Gertie | 623689 | 6987545 | 4965 | 0.8      | 16.0     | 6.5      | 71       | 0.05     | 12.6     | 12.4     | 616      | 3.87        | 4.1      | 0.4     | 2.3      | 2.8      | 17       | 0.1      |
| 11TB0309  | Gertie | 623680 | 6987644 | 4964 | 0.8      | 48.9     | 4.6      | 79       | 0.05     | 27.1     | 21.1     | 520      | 3.97        | 1.7      | 0.4     | 4.8      | 1.5      | 24       | 0.1      |
| 11TB0308  | Gertie | 623679 | 6987741 | 4963 | 0.7      | 25.1     | 9.3      | 56       | 0.10     | 13.1     | 9.8      | 375      | 2.37        | 4.7      | 1.8     | 7.6      | 8        | 36       | 0.1      |
| 11TB0307  | Gertie | 623679 | 6987844 | 4962 | 1.0      | 12.1     | 9.6      | 63       | 0.20     | 10.1     | 9.3      | 343      | 2.55        | 4.3      | 1.9     | 28.7     | 3.4      | 30       | 0.1      |
| 11TB0306  | Gertie | 623672 | 6987939 | 4961 | 8.2      | 28.2     | 84.4     | 314      | 0.20     | 10.7     | 12.4     | 1020     | 3.7         | 19.3     | 2.2     | 1.7      | 18.1     | 25       | 0.8      |
| 11TB0305  | Gertie | 623667 | 6988043 | 4960 | 4.0      | 14.0     | 15.8     | 61       | 0.20     | 9.4      | 7.3      | 478      | 2.87        | 1.9      | 0.8     | 0.249    | 5.7      | 20       | 0.3      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0304  | Gertie       | 622978 | 6987668 | 4368 | 2.0      | 16.8     | 10.5     | 57       | 0.05     | 17.2     | 9.4      | 316      | 3.04        | 6.7      | 1.3     | 0.249    | 7.8      | 38       | 0.049    |
| 11TB0303  | Gertie       | 622974 | 6987714 | 4367 | 1.7      | 21.8     | 12.6     | 61       | 0.05     | 13.0     | 9.8      | 292      | 3.27        | 7.1      | 1.4     | 1.2      | 10.5     | 38       | 0.049    |
| 11TB0302  | Gertie       | 622969 | 6987771 | 4366 | 1.3      | 27.8     | 10.8     | 79       | 0.10     | 19.2     | 10.6     | 413      | 2.83        | 8.5      | 2.9     | 2.8      | 22.8     | 40       | 0.2      |
| 11TB0300  | Gertie       | 622975 | 6987816 | 4364 | 0.9      | 20.8     | 15.0     | 110      | 0.10     | 14.5     | 10.2     | 573      | 2.49        | 8.2      | 2.9     | 8.7      | 4.3      | 58       | 0.7      |
| 11TB0299  | Gertie       | 622974 | 6987868 | 4363 | 0.7      | 31.6     | 6.7      | 65       | 0.05     | 23.8     | 17.5     | 339      | 3.95        | 5.4      | 0.4     | 1.1      | 1.7      | 28       | 0.1      |
| 11TB0298  | Gertie       | 622977 | 6987913 | 4362 | 0.8      | 40.2     | 8.2      | 72       | 0.05     | 23.3     | 15.1     | 293      | 2.95        | 7.2      | 0.6     | 0.249    | 3        | 34       | 0.2      |
| 11TB0297  | Gertie       | 622973 | 6987965 | 4361 | 1.8      | 14.5     | 20.6     | 128      | 0.30     | 14.2     | 5.1      | 286      | 3.17        | 76.2     | 1.6     | 0.249    | 8.8      | 30       | 0.3      |
| 11TB0296  | Gertie       | 622965 | 6988018 | 4360 | 2.2      | 16.3     | 45.2     | 115      | 0.10     | 9.7      | 4.4      | 178      | 2.98        | 26.9     | 3.4     | 3.9      | 10.4     | 46       | 0.3      |
| 11TB0295  | Gertie       | 622968 | 6988064 | 4359 | 2.4      | 27.2     | 188.3    | 160      | 0.90     | 12.4     | 4.6      | 254      | 3.69        | 33.6     | 4.3     | 21.8     | 13.7     | 65       | 0.1      |
| 11TB0294  | Gertie       | 622960 | 6988115 | 4358 | 2.2      | 15.2     | 70.3     | 73       | 0.40     | 10.8     | 4.1      | 124      | 3.26        | 18.4     | 1.9     | 2.1      | 11.7     | 38       | 0.049    |
| 11TB0293  | Gertie       | 622964 | 6988165 | 4357 | 1.9      | 22.1     | 33.2     | 109      | 0.20     | 18.0     | 8.6      | 302      | 2.69        | 13.5     | 1.7     | 2.1      | 10.3     | 30       | 0.2      |
| 11TB0292  | Gertie       | 622960 | 6988215 | 4356 | 2.1      | 16.3     | 24.8     | 82       | 0.10     | 14.0     | 5.8      | 219      | 2.88        | 12.4     | 1       | 0.8      | 12.8     | 35       | 0.2      |
| 11TB0291  | Gertie       | 622961 | 6988265 | 4355 | 2.6      | 17.6     | 220.2    | 309      | 0.70     | 10.5     | 8.8      | 993      | 3.12        | 15.9     | 1.9     | 1.2      | 10.3     | 42       | 1.3      |
| 11TB0290  | Gertie       | 622953 | 6988323 | 4354 | 1.2      | 24.5     | 12.6     | 86       | 0.10     | 9.8      | 9.4      | 587      | 3.81        | 4.9      | 1.8     | 0.249    | 8.3      | 37       | 0.049    |
| 11TB0289  | Gertie       | 622880 | 6987664 | 4353 | 1.4      | 15.2     | 15.9     | 94       | 0.20     | 21.7     | 11.2     | 281      | 2.91        | 5.9      | 0.7     | 0.249    | 3.7      | 29       | 0.2      |
| 11TB0288  | Gertie       | 622880 | 6987710 | 4352 | 1.6      | 10.3     | 34.6     | 59       | 0.20     | 11.3     | 6.2      | 192      | 2.63        | 9.7      | 0.8     | 1.5      | 5.1      | 26       | 0.2      |
| 11TB0287  | Gertie       | 622878 | 6987764 | 4351 | 1.9      | 12.2     | 9.6      | 53       | 0.20     | 18.2     | 9.9      | 399      | 2.77        | 6.4      | 0.7     | 0.8      | 4.4      | 31       | 0.049    |
| 11TB0286  | Gertie       | 622873 | 6987814 | 4350 | 1.3      | 16.1     | 14.9     | 54       | 0.05     | 16.1     | 8.6      | 405      | 2.4         | 7.1      | 1.8     | 4.8      | 16.7     | 28       | 0.1      |
| 11TB0285  | Gertie       | 622873 | 6987864 | 4349 | 0.5      | 62.2     | 4.8      | 43       | 0.05     | 84.2     | 20.1     | 524      | 2.94        | 2.5      | 0.2     | 2.4      | 0.7      | 15       | 0.049    |
| 11TB0284  | Gertie       | 622872 | 6987915 | 4348 | 1.0      | 16.6     | 7.8      | 45       | 0.05     | 20.7     | 13.3     | 443      | 3.09        | 6        | 0.3     | 0.249    | 2.8      | 18       | 0.049    |
| 11TB0283  | Gertie       | 622872 | 6987965 | 4347 | 0.3      | 27.0     | 3.6      | 77       | 0.05     | 12.5     | 23.3     | 323      | 4.43        | 2.7      | 0.2     | 0.249    | 0.8      | 19       | 0.049    |
| 11TB0282  | Gertie       | 622868 | 6988012 | 4346 | 0.8      | 36.0     | 5.2      | 68       | 0.05     | 15.2     | 13.3     | 216      | 4.05        | 4.4      | 0.4     | 0.249    | 1.9      | 17       | 0.049    |
| 11TB0280  | Gertie       | 622865 | 6988061 | 4344 | 1.1      | 17.4     | 12.3     | 156      | 0.20     | 15.4     | 11.5     | 569      | 3.47        | 6.1      | 1.2     | 0.8      | 5        | 27       | 0.5      |
| 11TB0279  | Gertie       | 622861 | 6988113 | 4343 | 3.3      | 31.4     | 167.4    | 110      | 0.60     | 10.3     | 4.7      | 172      | 3.8         | 41.5     | 2.3     | 7.9      | 14.9     | 40       | 0.2      |
| 11TB0278  | Gertie       | 622863 | 6988159 | 4342 | 1.4      | 19.7     | 55.1     | 84       | 0.30     | 10.5     | 4.5      | 201      | 2.75        | 10.2     | 2.7     | 1.7      | 9.6      | 32       | 0.049    |
| 11TB0277  | Gertie       | 622860 | 6988212 | 4341 | 2.5      | 15.0     | 46.4     | 72       | 0.20     | 9.5      | 4.3      | 165      | 2.42        | 15.6     | 1.8     | 0.249    | 10.3     | 22       | 0.1      |
| 11TB0276  | Gertie       | 622860 | 6988260 | 4340 | 1.5      | 9.1      | 29.0     | 87       | 0.10     | 12.8     | 6.2      | 387      | 2.1         | 6.1      | 0.5     | 0.249    | 4.2      | 15       | 0.3      |
| 11TB0275  | Gertie       | 622859 | 6988309 | 4339 | 2.2      | 12.7     | 53.5     | 111      | 0.10     | 11.9     | 6        | 236      | 2.46        | 17.4     | 1.3     | 3.3      | 11.2     | 26       | 0.049    |
| 11TB0274  | Gertie       | 622860 | 6988370 | 4338 | 1.5      | 10.3     | 21.4     | 56       | 0.20     | 6.8      | 5.2      | 288      | 2.84        | 5        | 1.2     | 0.249    | 6.8      | 25       | 0.049    |
| 11TB0273  | Skookum West | 624295 | 6988956 | 4307 | 1.3      | 19.2     | 8.9      | 61       | 0.05     | 20.7     | 10.9     | 325      | 3.45        | 6.8      | 0.6     | 0.9      | 3.4      | 20       | 0.1      |
| 11TB0272  | Skookum West | 624297 | 6988927 | 4306 | 0.9      | 20.3     | 8.1      | 71       | 0.05     | 16.5     | 11.8     | 397      | 3.78        | 5.8      | 0.6     | 0.7      | 4.2      | 15       | 0.1      |
| 11TB0271  | Skookum West | 624301 | 6988900 | 4305 | 1.4      | 18.4     | 10.5     | 67       | 0.10     | 15.6     | 10.6     | 375      | 4.02        | 6.4      | 0.6     | 4.3      | 3.3      | 18       | 0.1      |
| 11TB0270  | Skookum West | 624295 | 6988877 | 4304 | 1.5      | 16.3     | 11.0     | 83       | 0.05     | 15.5     | 10.7     | 511      | 4.45        | 9        | 0.5     | 0.249    | 3.8      | 20       | 0.3      |
| 11TB0269  | Skookum West | 624298 | 6988848 | 4303 | 0.9      | 18.2     | 11.2     | 49       | 0.10     | 16.9     | 8        | 245      | 2.78        | 7.9      | 0.7     | 2.2      | 4        | 17       | 0.2      |
| 11TB0268  | Skookum West | 624297 | 6988822 | 4302 | 1.0      | 23.8     | 15.1     | 65       | 0.10     | 18.6     | 10.1     | 411      | 3.22        | 7.2      | 0.9     | 2.5      | 4.7      | 22       | 0.2      |
| 11TB0267  | Skookum West | 624296 | 6988798 | 4301 | 1.4      | 19.7     | 10.5     | 66       | 0.10     | 18.2     | 10.8     | 445      | 3.26        | 6.7      | 0.9     | 2.3      | 5.3      | 22       | 0.2      |
| 11TB0266  | Skookum West | 624300 | 6988773 | 4300 | 1.3      | 23.4     | 10.0     | 59       | 0.10     | 20.1     | 9.5      | 392      | 3.15        | 8.2      | 1.1     | 3.6      | 5.6      | 19       | 0.1      |
| 11TB0265  | Skookum West | 624300 | 6988750 | 4299 | 1.2      | 22.0     | 9.4      | 85       | 0.20     | 14.7     | 11.6     | 1310     | 3.59        | 4.1      | 0.5     | 0.249    | 2.9      | 22       | 0.3      |
| 11TB0264  | Skookum West | 624300 | 6988723 | 4298 | 0.9      | 26.0     | 11.5     | 76       | 0.10     | 16.9     | 11.5     | 459      | 4.07        | 5.9      | 0.5     | 1.3      | 3.5      | 14       | 0.2      |
| 11TB0263  | Skookum West | 624301 | 6988696 | 4297 | 0.8      | 37.6     | 8.3      | 100      | 0.05     | 32.6     | 15.6     | 773      | 4.63        | 3.7      | 0.6     | 1        | 3.4      | 28       | 0.3      |
| 11TB0262  | Skookum West | 624297 | 6988674 | 4296 | 0.8      | 21.1     | 8.4      | 65       | 0.05     | 24.6     | 11.3     | 388      | 3.33        | 6.1      | 0.5     | 6.2      | 3.4      | 22       | 0.1      |
| 11TB0260  | Skookum West | 624297 | 6988655 | 4294 | 0.5      | 18.8     | 5.1      | 82       | 0.05     | 22.8     | 15.8     | 661      | 4.43        | 2.7      | 0.6     | 1        | 4.1      | 20       | 0.049    |
| 11TB0259  | Skookum West | 624300 | 6988626 | 4293 | 0.7      | 32.4     | 7.8      | 86       | 0.05     | 38.9     | 18.5     | 496      | 5           | 3.7      | 0.7     | 5.6      | 3.7      | 23       | 0.049    |
| 11TB0258  | Skookum West | 624299 | 6988598 | 4292 | 0.7      | 22.3     | 7.0      | 78       | 0.05     | 15.2     | 14.7     | 663      | 4.08        | 2.9      | 0.5     | 1.7      | 3.4      | 18       | 0.2      |
| 11TB0257  | Skookum West | 624298 | 6988578 | 4291 | 0.9      | 14.7     | 8.3      | 68       | 0.05     | 18.3     | 12.5     | 389      | 3.5         | 6.5      | 0.5     | 26.1     | 3.9      | 15       | 0.049    |
| 11TB0256  | Skookum West | 624300 | 6988555 | 4290 | 1.1      | 21.6     | 10.8     | 65       | 0.05     | 20.9     | 12.1     | 478      | 3.16        | 6.6      | 0.8     | 5.7      | 3.5      | 25       | 0.2      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0255  | Skookum West | 624302 | 6988499 | 4289 | 1.1      | 15.5     | 7.8      | 78       | 0.05     | 15.7     | 11.2     | 435      | 3.88        | 5.5      | 0.8     | 1.8      | 4        | 19       | 0.1      |
| 11TB0254  | Skookum West | 624301 | 6988524 | 4288 | 0.9      | 23.5     | 10.2     | 69       | 0.05     | 18.6     | 13.3     | 516      | 3.56        | 6.2      | 0.8     | 5.1      | 3.1      | 25       | 0.049    |
| 11TB0253  | Skookum West | 624142 | 6988873 | 4197 | 1.0      | 31.6     | 4.7      | 40       | 0.60     | 16.0     | 5        | 594      | 1.26        | 2        | 1.9     | 2.9      | 0.8      | 100      | 0.4      |
| 11TB0252  | Skookum West | 624149 | 6988927 | 4196 | 0.9      | 19.0     | 6.0      | 89       | 0.20     | 12.0     | 9.5      | 582      | 4.01        | 1.7      | 1.1     | 4        | 6        | 23       | 0.2      |
| 11TB0251  | Skookum West | 624198 | 6988824 | 4195 | 0.9      | 12.4     | 10.6     | 42       | 0.20     | 11.4     | 6.7      | 378      | 2.08        | 3.7      | 0.7     | 3.1      | 2.8      | 19       | 0.2      |
| 11TB0250  | Skookum West | 624195 | 6988806 | 4194 | 1.5      | 15.9     | 8.9      | 56       | 0.05     | 15.2     | 7.6      | 319      | 3.37        | 5.8      | 0.6     | 1.8      | 4.3      | 14       | 0.2      |
| 11TB0249  | Skookum West | 624198 | 6988772 | 4193 | 1.1      | 17.3     | 7.2      | 73       | 0.10     | 15.2     | 9.8      | 531      | 3.39        | 3.7      | 0.7     | 0.249    | 4.2      | 18       | 0.1      |
| 11TB0248  | Skookum West | 624202 | 6988751 | 4192 | 0.8      | 21.9     | 9.0      | 65       | 0.05     | 25.3     | 12.7     | 562      | 3.17        | 5.1      | 0.8     | 2.2      | 4.6      | 20       | 0.2      |
| 11TB0247  | Skookum West | 624200 | 6988726 | 4191 | 1.1      | 19.7     | 9.8      | 54       | 0.20     | 19.1     | 11.3     | 648      | 2.84        | 6.2      | 0.7     | 13.5     | 2.9      | 23       | 0.2      |
| 11TB0246  | Skookum West | 624207 | 6988704 | 4190 | 1.0      | 21.9     | 9.6      | 94       | 0.10     | 15.8     | 12.1     | 841      | 3.73        | 4.6      | 0.5     | 606.2    | 3.2      | 20       | 0.2      |
| 11TB0245  | Skookum West | 624201 | 6988688 | 4189 | 0.9      | 33.5     | 8.9      | 120      | 0.05     | 16.8     | 14.8     | 631      | 4.78        | 2.3      | 0.7     | 0.8      | 3.3      | 19       | 0.2      |
| 11TB0244  | Skookum West | 624194 | 6988650 | 4188 | 0.7      | 17.5     | 8.2      | 126      | 0.05     | 16.1     | 11       | 737      | 4.74        | 3.1      | 0.7     | 2.7      | 3.6      | 25       | 0.1      |
| 11TB0243  | Skookum West | 624194 | 6988622 | 4187 | 1.0      | 31.2     | 7.6      | 86       | 0.05     | 20.9     | 14.8     | 744      | 3.81        | 4        | 0.7     | 0.8      | 2.8      | 33       | 0.1      |
| 11TB0242  | Skookum West | 624194 | 6988601 | 4186 | 0.7      | 26.0     | 7.9      | 82       | 0.05     | 18.8     | 12.8     | 468      | 3.83        | 4.2      | 0.7     | 2.6      | 2.5      | 22       | 0.1      |
| 11TB0240  | Skookum West | 624197 | 6988575 | 4184 | 1.1      | 22.0     | 9.3      | 69       | 0.05     | 23.0     | 11.6     | 480      | 3.14        | 5.5      | 0.4     | 3.4      | 2.4      | 25       | 0.1      |
| 11TB0239  | Skookum West | 624200 | 6988552 | 4183 | 1.1      | 22.6     | 9.2      | 75       | 0.20     | 19.9     | 12.8     | 858      | 2.55        | 3.8      | 0.8     | 1.9      | 1.6      | 38       | 0.2      |
| 11TB0238  | Skookum West | 624198 | 6988523 | 4182 | 0.9      | 19.6     | 8.1      | 76       | 0.10     | 18.7     | 11.1     | 563      | 2.98        | 5.3      | 0.8     | 1.7      | 3        | 27       | 0.2      |
| 11TB0237  | Skookum West | 624199 | 6988500 | 4181 | 1.1      | 15.7     | 7.2      | 66       | 0.05     | 17.2     | 10.5     | 419      | 3.33        | 4.8      | 0.6     | 1        | 3.2      | 19       | 0.049    |
| 11TB0236  | Skookum West | 624100 | 6988721 | 4668 | 1.0      | 30.3     | 8.6      | 77       | 0.05     | 20.5     | 12.2     | 499      | 3.46        | 7        | 0.5     | 2.3      | 3.8      | 27       | 0.2      |
| 11TB0235  | Skookum West | 624092 | 6988774 | 4667 | 0.9      | 39.4     | 6.3      | 80       | 0.05     | 39.8     | 17       | 581      | 3.79        | 4.2      | 0.6     | 1.5      | 2.4      | 31       | 0.2      |
| 11TB0234  | Skookum West | 624099 | 6988817 | 4666 | 1.2      | 16.9     | 6.4      | 78       | 0.20     | 12.8     | 11.3     | 736      | 3.22        | 3.4      | 0.9     | 10.5     | 3.8      | 33       | 0.1      |
| 11TB0233  | Skookum West | 624104 | 6988872 | 4665 | 1.3      | 24.6     | 5.9      | 86       | 0.20     | 19.0     | 11.8     | 685      | 3.57        | 3.9      | 1       | 22.4     | 3.5      | 47       | 0.2      |
| 11TB0232  | Skookum West | 624098 | 6988922 | 4664 | 1.0      | 18.7     | 5.1      | 91       | 0.30     | 12.1     | 11.5     | 963      | 3.24        | 2.6      | 1.1     | 8        | 4        | 49       | 0.4      |
| 11TB0231  | Skookum West | 624098 | 6988974 | 4663 | 1.5      | 30.0     | 9.5      | 98       | 0.40     | 24.7     | 15.8     | 910      | 3.89        | 4.5      | 1.3     | 25.4     | 3.1      | 43       | 0.3      |
| 11TB0230  | Skookum West | 624046 | 6988997 | 4662 | 0.9      | 16.1     | 5.5      | 92       | 0.10     | 12.1     | 11.3     | 827      | 2.86        | 2.8      | 1       | 4.6      | 5.6      | 19       | 0.1      |
| 11TB0229  | Skookum West | 624050 | 6988950 | 4661 | 0.8      | 14.8     | 5.7      | 106      | 0.05     | 16.4     | 11.2     | 645      | 4.1         | 1.9      | 1       | 6.1      | 7.4      | 18       | 0.2      |
| 11TB0228  | Skookum West | 624051 | 6988898 | 4660 | 0.8      | 30.6     | 5.5      | 84       | 0.50     | 21.4     | 10.4     | 828      | 2.79        | 2.9      | 1.6     | 12.7     | 2.2      | 41       | 0.4      |
| 11TB0227  | Skookum West | 624050 | 6988846 | 4659 | 0.7      | 36.9     | 6.2      | 96       | 0.30     | 26.3     | 12.9     | 777      | 3           | 2.5      | 1.4     | 9.6      | 2.6      | 46       | 0.3      |
| 11TB0226  | Skookum West | 624052 | 6988501 | 4658 | 0.8      | 30.3     | 6.5      | 91       | 0.30     | 21.9     | 14.1     | 1048     | 2.78        | 3.1      | 1.2     | 8.7      | 2.2      | 46       | 0.3      |
| 11TB0225  | Skookum West | 624046 | 6988796 | 4657 | 1.1      | 23.7     | 4.8      | 102      | 0.05     | 11.7     | 15.1     | 758      | 4.97        | 3.9      | 0.5     | 1.9      | 3.6      | 19       | 0.1      |
| 11TB0224  | Skookum West | 624049 | 6988697 | 4656 | 2.0      | 25.2     | 8.1      | 79       | 0.10     | 17.4     | 11       | 622      | 3.17        | 5.2      | 1       | 24.1     | 4        | 30       | 0.1      |
| 11TB0223  | Skookum West | 624044 | 6988650 | 4655 | 1.5      | 26.9     | 7.6      | 84       | 0.10     | 20.2     | 13.5     | 651      | 3.63        | 7.3      | 0.7     | 139.3    | 3.5      | 30       | 0.1      |
| 11TB0221  | Skookum West | 624048 | 6988506 | 4653 | 1.2      | 39.6     | 5.3      | 103      | 0.20     | 15.5     | 15.1     | 644      | 4.17        | 4.7      | 1.5     | 4.3      | 1.8      | 56       | 0.2      |
| 11TB0220  | Skookum West | 624048 | 6988545 | 4652 | 0.6      | 17.5     | 7.0      | 75       | 0.05     | 16.1     | 10.4     | 351      | 2.7         | 4.4      | 0.7     | 6.5      | 2.5      | 41       | 0.1      |
| 11TB0219  | Skookum West | 624048 | 6988601 | 4651 | 0.8      | 20.8     | 7.0      | 87       | 0.05     | 15.7     | 13.1     | 573      | 3.18        | 5.3      | 0.7     | 16.4     | 3.1      | 36       | 0.2      |
| 11TB0218  | Skookum West | 623999 | 6988570 | 4650 | 1.5      | 20.0     | 8.6      | 71       | 0.05     | 13.4     | 9.6      | 335      | 3.24        | 6.1      | 0.5     | 8        | 3        | 30       | 0.1      |
| 11TB0217  | Skookum West | 623995 | 6988725 | 4649 | 2.1      | 33.2     | 7.7      | 88       | 0.10     | 22.7     | 13.7     | 535      | 3.61        | 6.9      | 0.9     | 56.3     | 4.7      | 25       | 0.049    |
| 11TB0216  | Skookum West | 623996 | 6988823 | 4648 | 1.1      | 35.8     | 9.8      | 80       | 0.05     | 24.4     | 13.2     | 442      | 3.6         | 8.1      | 0.5     | 2.4      | 3.2      | 23       | 0.2      |
| 11TB0215  | Skookum West | 623995 | 6988926 | 4647 | 3.2      | 21.9     | 9.2      | 86       | 0.05     | 21.1     | 12.9     | 1012     | 3.7         | 5.2      | 0.8     | 2.3      | 3        | 18       | 0.2      |
| 11TB0214  | Skookum West | 624094 | 6989477 | 4646 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11TB0213  | Skookum West | 624048 | 6989000 | 4645 | 0.9      | 33.9     | 4.8      | 120      | 0.30     | 16.8     | 16.2     | 1761     | 3.65        | 4.5      | 0.8     | 4.3      | 3.2      | 20       | 0.3      |
| 11TB0212  | Skookum West | 624048 | 6989025 | 4644 | 1.2      | 21.0     | 6.2      | 98       | 0.20     | 16.2     | 18.3     | 748      | 4.23        | 5.3      | 0.5     | 35.7     | 2.9      | 19       | 0.049    |
| 11TB0211  | Skookum West | 624048 | 6989049 | 4643 | 1.0      | 25.2     | 6.8      | 94       | 0.10     | 17.5     | 14.3     | 845      | 3.81        | 5        | 0.5     | 10       | 4.1      | 23       | 0.049    |
| 11TB0210  | Skookum West | 624052 | 6989074 | 4642 | 1.0      | 30.0     | 7.4      | 83       | 0.10     | 17.8     | 12.2     | 758      | 3.67        | 5.6      | 0.6     | 26.7     | 3.5      | 25       | 0.1      |
| 11TB0209  | Skookum West | 624059 | 6989098 | 4641 | 1.1      | 23.5     | 10.1     | 63       | 0.05     | 15.5     | 10.1     | 303      | 2.67        | 8.6      | 0.5     | 1.1      | 1.6      | 30       | 0.049    |
| 11TB0208  | Skookum West | 624057 | 6989122 | 4640 | 0.9      | 14.7     | 10.6     | 101      | 0.05     | 12.5     | 7.7      | 359      | 2.69        | 5.9      | 0.4     | 3.2      | 1.7      | 33       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0207  | Skookum West | 624048 | 6989146 | 4639 | 1.1      | 28.9     | 7.1      | 78       | 0.05     | 20.4     | 14.1     | 659      | 3.81        | 6.1      | 0.6     | 41.3     | 3        | 19       | 0.049    |
| 11TB0206  | Skookum West | 624047 | 6989173 | 4638 | 1.2      | 34.0     | 7.5      | 78       | 0.20     | 19.8     | 15.8     | 1400     | 3.77        | 5.8      | 0.9     | 28.8     | 3.4      | 24       | 0.049    |
| 11TB0205  | Skookum West | 624048 | 6989195 | 4637 | 1.0      | 30.5     | 8.1      | 67       | 0.20     | 23.9     | 12       | 476      | 3.29        | 7.2      | 0.7     | 5.9      | 3.4      | 23       | 0.049    |
| 11TB0204  | Skookum West | 624047 | 6989222 | 4636 | 1.2      | 33.4     | 8.0      | 76       | 0.05     | 23.1     | 14       | 509      | 4.04        | 7.6      | 0.6     | 10.3     | 3.6      | 21       | 0.1      |
| 11TB0203  | Skookum West | 624047 | 6989249 | 4635 | 1.3      | 24.4     | 10.8     | 59       | 0.20     | 18.2     | 11.1     | 543      | 3.24        | 6.7      | 0.5     | 6.1      | 2        | 19       | 0.1      |
| 11TB0202  | Skookum West | 624048 | 6989276 | 4634 | 1.3      | 34.6     | 9.5      | 48       | 0.20     | 28.2     | 13.3     | 326      | 3.2         | 10.1     | 0.9     | 4.8      | 3.5      | 16       | 0.1      |
| 11TB0200  | Skookum West | 624051 | 6989299 | 4632 | 1.2      | 56.2     | 8.2      | 78       | 0.05     | 26.4     | 15       | 692      | 3.96        | 8.8      | 0.7     | 14.1     | 3.5      | 24       | 0.049    |
| 11TB0199  | Skookum West | 624052 | 6989323 | 4631 | 1.1      | 68.9     | 9.4      | 75       | 0.05     | 26.6     | 16.1     | 762      | 3.61        | 8.8      | 0.7     | 6.5      | 3.1      | 25       | 0.049    |
| 11TB0198  | Skookum West | 624049 | 6989349 | 4630 | 1.4      | 39.7     | 8.2      | 83       | 0.05     | 45.5     | 15.4     | 725      | 3.9         | 7.4      | 0.7     | 37.2     | 4.1      | 32       | 0.049    |
| 11TB0197  | Skookum West | 624051 | 6989376 | 4629 | 1.7      | 30.2     | 7.7      | 76       | 0.05     | 28.6     | 12.8     | 617      | 3.31        | 7.2      | 0.6     | 24       | 3.6      | 25       | 0.049    |
| 11TB0196  | Skookum West | 624049 | 6989403 | 4628 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11TB0195  | Skookum West | 624048 | 6989426 | 4627 | 2.8      | 23.5     | 10.3     | 77       | 0.20     | 31.1     | 15.3     | 316      | 3.66        | 29       | 0.7     | 7.5      | 2.3      | 26       | 0.049    |
| 11TB0194  | Skookum West | 624052 | 6989453 | 4626 | 5.0      | 30.7     | 6.4      | 92       | 0.40     | 16.6     | 18.8     | 487      | 4.02        | 8.3      | 0.9     | 3.3      | 1.5      | 45       | 0.2      |
| 11TB0193  | Skookum West | 624054 | 6989473 | 4625 | 1.7      | 15.0     | 3.9      | 34       | 0.10     | 8.5      | 2.6      | 81       | 0.7         | 1.8      | 0.4     | 3        | 0.2      | 37       | 0.3      |
| 11TB0192  | Skookum West | 624054 | 6989500 | 4624 | 3.2      | 22.2     | 6.1      | 67       | 0.20     | 17.5     | 14.3     | 496      | 2.7         | 5.2      | 0.9     | 6.4      | 1.2      | 43       | 0.1      |
| 11TB0191  | Skookum West | 624048 | 6989502 | 4623 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11TB0190  | Skookum West | 623849 | 6989294 | 4622 | 2.8      | 19.2     | 39.8     | 46       | 0.20     | 16.7     | 6.3      | 231      | 2.89        | 9.6      | 0.4     | 45       | 1.8      | 15       | 0.1      |
| 11TB0189  | Skookum West | 623851 | 6989341 | 4621 | 1.3      | 34.2     | 8.6      | 84       | 0.50     | 91.2     | 31.7     | 2807     | 4.05        | 4.8      | 1       | 6        | 2.8      | 71       | 0.4      |
| 11TB0188  | Skookum West | 623894 | 6988649 | 4460 | 0.7      | 18.3     | 7.5      | 82       | 0.05     | 13.2     | 9.7      | 460      | 3.43        | 3.9      | 0.6     | 5.9      | 5.3      | 19       | 0.049    |
| 11TB0187  | Skookum West | 623902 | 6988721 | 4459 | 0.9      | 25.6     | 4.8      | 125      | 0.05     | 12.4     | 18.5     | 698      | 4.22        | 2.6      | 0.4     | 5.1      | 1.9      | 26       | 0.2      |
| 11TB0186  | Skookum West | 623895 | 6988796 | 4458 | 2.8      | 19.3     | 12.0     | 67       | 0.05     | 22.6     | 11.6     | 521      | 3.53        | 8.4      | 0.4     | 1.2      | 3        | 16       | 0.1      |
| 11TB0185  | Skookum West | 623850 | 6988494 | 4457 | 0.9      | 20.7     | 6.6      | 48       | 0.05     | 33.8     | 13.1     | 305      | 2.79        | 4.6      | 0.7     | 1.5      | 4        | 15       | 0.049    |
| 11TB0184  | Skookum West | 623850 | 6988549 | 4456 | 0.9      | 35.8     | 9.3      | 78       | 0.05     | 44.0     | 20.5     | 690      | 4.07        | 4.6      | 0.5     | 1.2      | 2.6      | 26       | 0.049    |
| 11TB0183  | Skookum West | 623850 | 6988600 | 4455 | 1.1      | 22.0     | 10.3     | 70       | 0.10     | 21.5     | 11.4     | 404      | 2.86        | 6.7      | 0.7     | 11.6     | 2.9      | 29       | 0.049    |
| 11TB0182  | Skookum West | 623844 | 6988646 | 4454 | 1.3      | 19.2     | 11.3     | 67       | 0.20     | 22.6     | 13.3     | 589      | 3.3         | 7.1      | 0.3     | 0.7      | 2.4      | 18       | 0.049    |
| 11TB0180  | Skookum West | 623844 | 6988698 | 4452 | 1.2      | 31.6     | 10.1     | 68       | 0.20     | 19.9     | 12.3     | 425      | 3.36        | 8.3      | 0.5     | 2.7      | 3.1      | 21       | 0.049    |
| 11TB0179  | Skookum West | 623849 | 6988753 | 4451 | 1.2      | 23.7     | 7.6      | 79       | 0.10     | 17.1     | 16.9     | 921      | 4.03        | 4.3      | 0.4     | 3.4      | 2.4      | 19       | 0.049    |
| 11TB0178  | Skookum West | 623847 | 6988794 | 4450 | 2.3      | 23.7     | 8.1      | 114      | 0.20     | 15.3     | 9.3      | 1179     | 2.89        | 3.7      | 0.5     | 12.5     | 3        | 43       | 0.6      |
| 11TB0177  | Skookum West | 623845 | 6988845 | 4449 | 9.1      | 19.9     | 47.4     | 98       | 0.80     | 15.6     | 8.8      | 420      | 2.93        | 7.1      | 0.6     | 3.8      | 3.4      | 15       | 0.5      |
| 11TB0176  | Skookum West | 623846 | 6988901 | 4448 | 138.9    | 105.6    | 20.8     | 128      | 0.20     | 46.8     | 30.3     | 976      | 7.67        | 10.2     | 1       | 201.5    | 2.5      | 13       | 0.049    |
| 11TB0175  | Skookum West | 623854 | 6988945 | 4447 | 1.6      | 25.4     | 7.9      | 69       | 0.10     | 22.4     | 11.3     | 336      | 3.69        | 6        | 0.6     | 12.3     | 3.8      | 13       | 0.049    |
| 11TB0174  | Skookum West | 623851 | 6988997 | 4446 | 1.3      | 18.0     | 9.9      | 59       | 0.05     | 22.6     | 11.4     | 550      | 2.95        | 9.1      | 0.4     | 8.9      | 3.5      | 11       | 0.1      |
| 11TB0173  | Skookum West | 623846 | 6989047 | 4445 | 0.7      | 20.2     | 8.6      | 80       | 0.05     | 24.6     | 11.1     | 374      | 3.2         | 4.8      | 0.8     | 48.2     | 5.3      | 12       | 0.049    |
| 11TB0172  | Skookum West | 623853 | 6989101 | 4444 | 1.1      | 98.1     | 9.5      | 68       | 0.60     | 25.0     | 10.5     | 360      | 3.15        | 7.8      | 0.8     | 8.6      | 4.6      | 13       | 0.049    |
| 11TB0171  | Skookum West | 623851 | 6989151 | 4443 | 1.1      | 23.4     | 9.6      | 56       | 0.20     | 20.6     | 9.2      | 254      | 2.8         | 7.7      | 0.8     | 2.8      | 3.7      | 12       | 0.049    |
| 11TB0170  | Skookum West | 623851 | 6989200 | 4442 | 1.3      | 15.2     | 11.0     | 79       | 0.05     | 19.0     | 9.8      | 348      | 3.53        | 9.9      | 0.5     | 2.3      | 2.5      | 8        | 0.1      |
| 11TB0169  | Skookum West | 623850 | 6989249 | 4441 | 1.2      | 20.5     | 8.3      | 58       | 0.05     | 25.5     | 10       | 362      | 2.64        | 6.2      | 0.6     | 3.6      | 3        | 14       | 0.049    |
| 11TB0168  | Skookum West | 623856 | 6989399 | 4440 | 0.9      | 30.7     | 12.0     | 60       | 0.40     | 18.6     | 11.8     | 357      | 2.24        | 2.2      | 0.6     | 3.6      | 0.9      | 37       | 0.2      |
| 11TB0167  | Skookum West | 623851 | 6989450 | 4439 | 0.9      | 31.0     | 9.9      | 85       | 0.10     | 21.4     | 18.8     | 537      | 3.29        | 1.3      | 0.3     | 4.7      | 1.2      | 27       | 0.1      |
| 11TB0166  | Skookum West | 623845 | 6989500 | 4438 | -10000.0 | -10000.0 | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11TB0165  | Skookum West | 623748 | 6989000 | 4156 | 1.5      | 30.6     | 7.9      | 80       | 0.20     | 24.2     | 11.8     | 377      | 4.06        | 6.3      | 0.4     | 7.4      | 2.2      | 18       | 0.049    |
| 11TB0164  | Skookum West | 623750 | 6988973 | 4155 | 1.2      | 21.0     | 8.0      | 82       | 0.20     | 22.8     | 14.4     | 802      | 3.99        | 7.5      | 0.3     | 3.5      | 2.2      | 16       | 0.1      |
| 11TB0163  | Skookum West | 623750 | 6988950 | 4154 | 1.9      | 23.8     | 6.7      | 73       | 0.10     | 23.2     | 11.7     | 355      | 3.33        | 6.5      | 0.3     | 12.8     | 2        | 20       | 0.049    |
| 11Tb0162  | Skookum West | 623753 | 6988903 | 4153 | 1.2      | 23.2     | 6.8      | 98       | 0.20     | 13.3     | 10.7     | 696      | 4.17        | 4.1      | 0.6     | 9.2      | 3.7      | 21       | 0.049    |
| 11TB0160  | Skookum West | 623754 | 6988845 | 4151 | 8.2      | 22.6     | 37.0     | 71       | 1.60     | 15.5     | 9.3      | 287      | 3.2         | 6.1      | 0.5     | 97.1     | 3        | 12       | 0.2      |
| 11TB0159  | Skookum West | 623750 | 6988801 | 4150 | 1.4      | 37.9     | 7.3      | 184      | 0.10     | 11.3     | 16       | 2035     | 4.89        | 4.6      | 0.2     | 1.2      | 1.3      | 33       | 0.4      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0158  | Skookum West | 623746 | 6988750 | 4149 | 1.4      | 21.6     | 11.1     | 108      | 0.20     | 13.7     | 14.5     | 724      | 3.88        | 6.3      | 0.2     | 0.7      | 1.2      | 27       | 0.3      |
| 11TB0157  | Skookum West | 623749 | 6988700 | 4148 | 1.3      | 23.0     | 7.2      | 73       | 0.05     | 28.7     | 10.6     | 354      | 3.3         | 11.1     | 0.4     | 3.2      | 3.5      | 20       | 0.049    |
| 11TB0156  | Skookum West | 623751 | 6988653 | 4147 | 1.3      | 13.0     | 9.0      | 64       | 0.05     | 18.4     | 12.4     | 422      | 3.25        | 7        | 0.4     | 2.9      | 2.5      | 22       | 0.049    |
| 11TB0155  | Skookum West | 623751 | 6988605 | 4146 | 1.3      | 13.3     | 8.6      | 86       | 0.10     | 19.0     | 8.9      | 386      | 2.76        | 5.7      | 0.3     | 2.8      | 1.9      | 18       | 0.2      |
| 11TB0154  | Skookum West | 623753 | 6988548 | 4145 | 0.8      | 23.8     | 4.4      | 49       | 0.05     | 29.6     | 14.1     | 286      | 3.34        | 1.6      | 0.4     | 2.9      | 2.5      | 11       | 0.049    |
| 11TB0153  | Skookum West | 623749 | 6988498 | 4144 | 1.2      | 13.7     | 6.3      | 75       | 0.05     | 14.6     | 13.3     | 682      | 4.63        | 4.8      | 0.3     | 2.9      | 2        | 20       | 0.1      |
| 11TB0152  | Skookum West | 623648 | 6988521 | 4143 | 1.6      | 11.3     | 5.6      | 88       | 0.05     | 10.5     | 13.2     | 552      | 5.34        | 3.8      | 0.4     | 2.7      | 2.2      | 22       | 0.049    |
| 11TB0151  | Skookum West | 623650 | 6988571 | 4142 | 1.4      | 31.2     | 7.5      | 72       | 0.10     | 26.5     | 13       | 452      | 3.65        | 9.8      | 0.5     | 2.9      | 2.9      | 17       | 0.049    |
| 11TB0150  | Skookum West | 623648 | 6988618 | 4141 | 1.0      | 31.4     | 8.2      | 69       | 0.20     | 38.7     | 20.1     | 396      | 3.87        | 8.3      | 0.4     | 2.5      | 2.8      | 18       | 0.1      |
| 11TB0149  | Skookum West | 623647 | 6988676 | 4140 | 0.6      | 20.3     | 5.1      | 85       | 0.05     | 7.2      | 7.7      | 368      | 2.73        | 4.1      | 0.2     | 1.7      | 0.8      | 35       | 0.049    |
| 11TB0148  | Skookum West | 623649 | 6988725 | 4139 | 1.1      | 15.7     | 18.1     | 83       | 0.05     | 14.3     | 10.6     | 552      | 3.44        | 5.1      | 0.3     | 11.2     | 2.3      | 15       | 0.049    |
| 11TB0147  | Skookum West | 623646 | 6988774 | 4138 | 1.1      | 26.6     | 6.1      | 73       | 0.05     | 16.0     | 11.8     | 439      | 3.55        | 5.8      | 0.5     | 3.6      | 2.1      | 25       | 0.049    |
| 11TB0146  | Skookum West | 623648 | 6988822 | 4137 | 1.9      | 18.4     | 8.7      | 66       | 0.05     | 16.6     | 9.6      | 398      | 3.26        | 4.9      | 0.5     | 28.6     | 3.4      | 20       | 0.049    |
| 11TB0145  | Skookum West | 623650 | 6988879 | 4136 | 1.6      | 16.4     | 7.2      | 58       | 0.05     | 20.2     | 8.6      | 382      | 3.06        | 5.7      | 0.4     | 8.5      | 3        | 17       | 0.049    |
| 11TB0144  | Skookum West | 623650 | 6988923 | 4135 | 1.2      | 21.7     | 9.0      | 62       | 0.10     | 19.1     | 9        | 398      | 3.14        | 6.6      | 0.5     | 15.6     | 3.4      | 17       | 0.049    |
| 11TB0143  | Skookum West | 623644 | 6988974 | 4134 | 1.3      | 23.1     | 5.5      | 73       | 0.20     | 25.0     | 10.5     | 728      | 3.13        | 3.7      | 0.6     | 10.4     | 3.4      | 16       | 0.049    |
| 11TB0142  | Skookum West | 623644 | 6989024 | 4133 | 2.8      | 31.7     | 17.5     | 70       | 0.20     | 67.3     | 15.4     | 717      | 3.76        | 7.4      | 0.9     | 24.9     | 4.2      | 34       | 0.049    |
| 11TB0140  | Skookum West | 623653 | 6989074 | 4131 | 1.1      | 26.4     | 8.2      | 83       | 0.20     | 19.0     | 13.4     | 778      | 3.38        | 3.1      | 0.6     | 32.1     | 3.5      | 15       | 0.049    |
| 11TB0139  | Skookum West | 623649 | 6989121 | 4130 | 1.0      | 19.7     | 6.6      | 64       | 0.05     | 21.8     | 10.3     | 321      | 3.13        | 8.9      | 0.5     | 2.8      | 2.8      | 12       | 0.1      |
| 11TB0138  | Skookum West | 623648 | 6989170 | 4129 | 1.2      | 13.4     | 12.1     | 66       | 0.10     | 15.4     | 7.9      | 344      | 3.53        | 8.3      | 0.4     | 4.2      | 2.8      | 13       | 0.1      |
| 11TB0137  | Skookum West | 623648 | 6989228 | 4128 | 1.3      | 15.4     | 7.1      | 75       | 0.05     | 22.7     | 15.9     | 631      | 4           | 9.2      | 0.4     | 7.4      | 2.4      | 12       | 0.2      |
| 11TB0136  | Skookum West | 623652 | 6989275 | 4127 | 1.6      | 14.8     | 9.9      | 51       | 0.20     | 23.8     | 7.7      | 349      | 3.16        | 6.4      | 0.3     | 2.7      | 0.7      | 13       | 0.2      |
| 11TB0135  | Skookum West | 623649 | 6989324 | 4126 | 2.1      | 39.6     | 7.8      | 68       | 0.30     | 40.2     | 13.5     | 440      | 3.6         | 6.3      | 0.7     | 3.8      | 2.2      | 22       | 0.1      |
| 11TB0134  | Skookum West | 623647 | 6989373 | 4125 | 1.0      | 28.2     | 7.3      | 70       | 0.10     | 20.6     | 14.8     | 569      | 3.75        | 5.8      | 0.4     | 2.9      | 2.1      | 15       | 0.049    |
| 11TB0133  | Skookum West | 623656 | 6989425 | 4124 | 1.0      | 39.2     | 4.6      | 82       | 0.20     | 20.3     | 17.9     | 583      | 3.88        | 3.6      | 0.4     | 3.9      | 1.3      | 20       | 0.049    |
| 11TB0132  | Skookum West | 623650 | 6989473 | 4123 | 1.0      | 21.6     | 8.4      | 71       | 0.05     | 20.0     | 13.7     | 419      | 3.67        | 7.5      | 0.4     | 9.1      | 2.2      | 16       | 0.049    |
| 11TB0131  | Skookum West | 623598 | 6988527 | 3977 | 1.1      | 15.2     | 9.4      | 84       | 0.05     | 15.3     | 11.6     | 850      | 3.94        | 6.9      | 0.3     | 1.9      | 2.6      | 24       | 0.1      |
| 11TB0130  | Skookum West | 623596 | 6988626 | 3976 | 2.3      | 34.6     | 9.6      | 70       | 0.05     | 28.0     | 15.8     | 416      | 3.85        | 6.6      | 0.5     | 4.2      | 3.1      | 25       | 0.049    |
| 11TB0129  | Skookum West | 623598 | 6988726 | 3975 | 2.6      | 20.0     | 9.7      | 59       | 0.20     | 24.5     | 11.2     | 452      | 2.98        | 5.2      | 0.7     | 513.9    | 4        | 26       | 0.049    |
| 11TB0128  | Skookum West | 623549 | 6988525 | 3974 | 0.9      | 14.9     | 7.1      | 96       | 0.05     | 22.2     | 13.3     | 718      | 4.42        | 6        | 0.4     | 0.249    | 3.7      | 21       | 0.049    |
| 11TB0127  | Skookum West | 623549 | 6988574 | 3973 | 0.9      | 27.6     | 8.9      | 62       | 0.05     | 22.7     | 11.9     | 350      | 3.27        | 7.2      | 0.7     | 1.8      | 3.8      | 30       | 0.049    |
| 11TB0126  | Skookum West | 623550 | 6988620 | 3972 | 0.9      | 21.3     | 8.2      | 64       | 0.05     | 19.2     | 14       | 334      | 3.28        | 6.3      | 0.6     | 3.1      | 3.4      | 24       | 0.049    |
| 11TB0125  | Skookum West | 623548 | 6988672 | 3971 | 1.3      | 16.6     | 9.0      | 47       | 0.10     | 18.2     | 7.6      | 244      | 2.43        | 6        | 0.7     | 11.2     | 3.4      | 29       | 0.049    |
| 11TB0124  | Skookum West | 623544 | 6988722 | 3970 | 1.7      | 20.8     | 7.8      | 59       | 0.20     | 16.8     | 9.4      | 482      | 2.85        | 4.8      | 1       | 19.6     | 3.1      | 30       | 0.1      |
| 11TB0123  | Skookum West | 623547 | 6988768 | 3969 | 1.9      | 21.9     | 8.5      | 60       | 0.20     | 18.0     | 10.1     | 531      | 2.97        | 4.9      | 0.9     | 19.8     | 3.8      | 28       | 0.1      |
| 11TB0122  | Skookum West | 623549 | 6988825 | 3968 | 1.7      | 22.9     | 7.4      | 72       | 0.10     | 17.9     | 10.2     | 519      | 3.35        | 4.3      | 1       | 19.8     | 4.8      | 25       | 0.049    |
| 11TB0120  | Skookum West | 623546 | 6988867 | 3966 | 1.4      | 22.6     | 8.0      | 64       | 0.05     | 19.5     | 10.6     | 380      | 3.25        | 5.7      | 0.7     | 7.9      | 4        | 20       | 0.049    |
| 11TB0119  | Skookum West | 623546 | 6988923 | 3965 | 1.8      | 39.1     | 8.0      | 78       | 0.30     | 22.1     | 12.3     | 525      | 3.66        | 3.6      | 1.5     | 20.2     | 3.6      | 22       | 0.049    |
| 11TB0118  | Skookum West | 623549 | 6988970 | 3964 | 1.3      | 23.4     | 9.1      | 84       | 0.30     | 17.2     | 9.7      | 593      | 3.2         | 4        | 0.9     | 7.5      | 3.4      | 27       | 0.049    |
| 11TB0117  | Skookum West | 623506 | 6988576 | 3963 | 1.1      | 20.4     | 7.9      | 60       | 0.05     | 18.6     | 10.9     | 339      | 3.14        | 7        | 0.7     | 3.2      | 3.3      | 25       | 0.049    |
| 11TB0116  | Skookum West | 623498 | 6988678 | 3962 | 2.2      | 26.6     | 11.7     | 70       | 0.30     | 18.8     | 13       | 596      | 3.34        | 5.4      | 1.2     | 15       | 3.3      | 38       | 0.3      |
| 11TB0115  | Skookum West | 623499 | 6988751 | 3961 | 2.4      | 26.7     | 8.0      | 71       | 0.30     | 18.4     | 10.6     | 635      | 3.07        | 3.9      | 1.4     | 39.1     | 3.4      | 31       | 0.1      |
| 11TB0114  | Skookum West | 623495 | 6988829 | 3960 | 1.8      | 17.9     | 9.8      | 58       | 0.10     | 16.6     | 8.3      | 297      | 3.02        | 5.6      | 0.6     | 9.8      | 3.4      | 18       | 0.049    |
| 11TB0113  | Skookum West | 623497 | 6988921 | 3959 | 1.4      | 24.5     | 9.2      | 70       | 0.20     | 36.2     | 11.7     | 539      | 3.57        | 3.7      | 1       | 7.8      | 4.8      | 30       | 0.1      |
| 11TB0112  | Skookum West | 623502 | 6989018 | 3958 | 1.0      | 28.2     | 7.0      | 97       | 0.05     | 13.5     | 12.5     | 455      | 4.17        | 3.2      | 0.6     | 3.2      | 4.4      | 16       | 0.049    |
| 11TB0111  | Skookum West | 623496 | 6989122 | 3957 | 1.4      | 21.3     | 9.0      | 84       | 0.10     | 16.1     | 13.1     | 1245     | 3.57        | 5.8      | 0.5     | 1.6      | 3.3      | 17       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0110  | Skookum West | 623451 | 6988525 | 3956 | 0.9      | 25.0     | 8.5      | 57       | 0.05     | 20.3     | 10       | 331      | 2.85        | 6.8      | 0.8     | 2.2      | 3.8      | 31       | 0.049    |
| 11TB0109  | Skookum West | 623449 | 6988570 | 3955 | 0.9      | 20.1     | 7.7      | 59       | 0.05     | 17.3     | 10.6     | 316      | 3.17        | 5.8      | 0.7     | 3.7      | 3.5      | 21       | 0.049    |
| 11TB0108  | Skookum West | 623447 | 6988619 | 3954 | 1.2      | 19.8     | 7.6      | 67       | 0.10     | 17.2     | 10.2     | 408      | 3.02        | 4.8      | 0.9     | 2.9      | 2.8      | 30       | 0.049    |
| 11TB0107  | Skookum West | 623447 | 6988673 | 3953 | 2.4      | 25.0     | 8.3      | 72       | 0.40     | 17.5     | 11.1     | 906      | 3.07        | 4        | 1.6     | 49       | 2.9      | 40       | 0.2      |
| 11TB0106  | Skookum West | 623452 | 6988722 | 3952 | 1.2      | 20.3     | 11.1     | 71       | 0.05     | 36.4     | 15.1     | 514      | 3.64        | 6.6      | 0.4     | 1.6      | 2.2      | 26       | 0.1      |
| 11TB0105  | Skookum West | 623446 | 6988774 | 3951 | 4.4      | 29.0     | 17.6     | 73       | 0.10     | 19.0     | 10.7     | 423      | 3.59        | 6.9      | 0.8     | 148.4    | 3.8      | 22       | 0.1      |
| 11TB0104  | Skookum West | 623448 | 6988822 | 3950 | 2.0      | 18.0     | 30.2     | 107      | 0.05     | 11.1     | 10.2     | 645      | 3.95        | 2.4      | 0.8     | 17.4     | 5.8      | 13       | 0.049    |
| 11TB0103  | Skookum West | 623444 | 6988875 | 3919 | 1.7      | 17.0     | 40.8     | 66       | 0.10     | 15.1     | 7.6      | 685      | 2.87        | 5.6      | 0.5     | 15       | 2.4      | 21       | 0.3      |
| 11TB0102  | Skookum West | 623453 | 6988925 | 3918 | 2.2      | 16.6     | 24.0     | 57       | 0.10     | 9.8      | 8.3      | 657      | 3.14        | 3.3      | 0.8     | 46.3     | 4.4      | 13       | 0.1      |
| 11TB0100  | Skookum West | 623447 | 6988977 | 3916 | 0.9      | 16.3     | 8.1      | 51       | 0.20     | 12.6     | 9.4      | 718      | 2.76        | 4.5      | 0.7     | 5.3      | 2.2      | 19       | 0.2      |
| 11TB0099  | Skookum West | 623444 | 6989023 | 3915 | 0.6      | 12.5     | 5.3      | 96       | 0.05     | 12.1     | 11       | 690      | 4.15        | 2.5      | 0.6     | 3.7      | 4        | 11       | 0.1      |
| 11TB0098  | Skookum West | 623447 | 6989072 | 3914 | 1.1      | 13.3     | 7.0      | 62       | 0.10     | 17.0     | 10.8     | 861      | 2.92        | 5.5      | 0.5     | 4.1      | 2.9      | 17       | 0.049    |
| 11TB0097  | Skookum West | 623452 | 6989120 | 3913 | 1.0      | 24.3     | 10.0     | 71       | 0.20     | 33.8     | 15.8     | 657      | 3.53        | 4        | 1.1     | 3.5      | 3.3      | 14       | 0.049    |
| 11TB0096  | Skookum West | 623450 | 6989174 | 3912 | 1.1      | 13.4     | 7.8      | 57       | 0.10     | 22.1     | 8.3      | 282      | 2.85        | 5.9      | 0.5     | 5.1      | 2.8      | 12       | 0.049    |
| 11TB0095  | Skookum West | 623449 | 6989225 | 3911 | 1.3      | 10.0     | 8.9      | 61       | 0.05     | 15.1     | 10.1     | 482      | 3.21        | 8.6      | 0.5     | 2.6      | 2.9      | 9        | 0.049    |
| 11TB0094  | Skookum West | 623449 | 6989274 | 3910 | 1.1      | 19.5     | 8.5      | 62       | 0.05     | 40.1     | 11.7     | 245      | 3.39        | 7.7      | 0.5     | 2.1      | 3.1      | 11       | 0.1      |
| 11TB0093  | Skookum West | 623448 | 6989321 | 3909 | 0.9      | 13.7     | 8.8      | 62       | 0.05     | 21.3     | 10.8     | 263      | 2.94        | 8.2      | 0.5     | 2.5      | 2.9      | 9        | 0.049    |
| 11TB0092  | Skookum West | 623451 | 6989373 | 3908 | 0.6      | 6.2      | 7.6      | 34       | 0.05     | 5.6      | 4.5      | 239      | 1.44        | 3.4      | 0.3     | 2.7      | 1.2      | 8        | 0.1      |
| 11TB0091  | Skookum West | 623445 | 6989421 | 3907 | 0.7      | 13.0     | 8.1      | 79       | 0.05     | 15.4     | 10.5     | 581      | 2.68        | 6.2      | 0.6     | 5.2      | 2.2      | 13       | 0.049    |
| 11TB0090  | Skookum West | 623447 | 6989478 | 3906 | 0.6      | 7.9      | 6.0      | 50       | 0.05     | 7.8      | 4.7      | 264      | 1.41        | 2.3      | 0.6     | 1.9      | 0.8      | 11       | 0.049    |
| 11TB0089  | Skookum West | 623295 | 6989473 | 3905 | 0.8      | 17.0     | 8.3      | 57       | 0.05     | 11.3     | 7.2      | 329      | 2.82        | 5.3      | 0.5     | 2.5      | 2.7      | 10       | 0.2      |
| 11TB0088  | Skookum West | 623300 | 6989426 | 3904 | 0.7      | 21.8     | 7.1      | 70       | 0.05     | 14.4     | 10.1     | 431      | 3.19        | 5.7      | 0.5     | 1.5      | 2.9      | 14       | 0.049    |
| 11TB0087  | Skookum West | 623300 | 6989372 | 3903 | 0.7      | 16.2     | 7.0      | 63       | 0.05     | 13.7     | 9        | 427      | 2.8         | 5.7      | 0.5     | 2        | 3.3      | 15       | 0.049    |
| 11TB0086  | Skookum West | 623297 | 6989326 | 3902 | 0.6      | 14.0     | 6.0      | 64       | 0.05     | 10.1     | 7.4      | 456      | 2.7         | 5        | 0.6     | 2.4      | 2.5      | 12       | 0.1      |
| 11TB0085  | Skookum West | 623300 | 6989273 | 3901 | 0.9      | 9.2      | 10.4     | 29       | 0.05     | 7.2      | 3.1      | 110      | 1.8         | 4.8      | 0.5     | 0.249    | 1.1      | 9        | 0.049    |
| 11TB0084  | Skookum West | 623300 | 6989227 | 3900 | 1.1      | 15.9     | 10.0     | 74       | 0.05     | 14.7     | 8.5      | 751      | 2.98        | 8.5      | 0.5     | 1.8      | 1.7      | 11       | 0.2      |
| 11TB0083  | Skookum West | 623297 | 6989173 | 3899 | 0.8      | 24.9     | 9.3      | 48       | 0.20     | 56.3     | 12.2     | 412      | 2.91        | 6.9      | 0.9     | 6.5      | 4.6      | 32       | 0.049    |
| 11TB0082  | Skookum West | 623299 | 6989130 | 3898 | 1.1      | 17.6     | 9.7      | 84       | 0.05     | 48.5     | 15.8     | 832      | 3.84        | 5.9      | 0.5     | 3.3      | 3.1      | 20       | 0.1      |
| 11TB0081  | Skookum West | 623299 | 6989079 | 3897 | 1.2      | 14.3     | 10.7     | 59       | 0.05     | 23.2     | 8.3      | 341      | 2.97        | 7.5      | 0.5     | 1.4      | 3.4      | 17       | 0.049    |
| 11TB0080  | Skookum West | 623295 | 6989024 | 3896 | 1.4      | 13.5     | 13.2     | 64       | 0.20     | 15.6     | 7.6      | 547      | 2.93        | 7.4      | 0.4     | 46.6     | 2.9      | 18       | 0.2      |
| 11TB0079  | Skookum West | 623298 | 6988975 | 3895 | 0.7      | 12.7     | 10.4     | 75       | 0.05     | 18.8     | 11.2     | 674      | 3.11        | 5.5      | 0.4     | 2.1      | 3.2      | 21       | 0.049    |
| 11TB0078  | Skookum West | 623300 | 6988975 | 3894 | 1.2      | 15.3     | 9.4      | 71       | 0.05     | 17.3     | 8.8      | 530      | 3.15        | 8.2      | 0.5     | 2.9      | 3.8      | 16       | 0.049    |
| 11TB0077  | Skookum West | 623298 | 6988779 | 3893 | 0.7      | 31.3     | 8.5      | 106      | 0.05     | 11.5     | 12.6     | 750      | 3.91        | 2.7      | 0.5     | 2.8      | 1.9      | 19       | 0.1      |
| 11TB0076  | Skookum West | 623297 | 6988675 | 3892 | 1.7      | 26.8     | 10.0     | 79       | 0.05     | 36.4     | 14.2     | 632      | 3.95        | 3.7      | 0.6     | 8.3      | 3.2      | 25       | 0.1      |
| 11TB0075  | Skookum West | 623300 | 6988575 | 3891 | 2.5      | 30.4     | 13.0     | 89       | 0.30     | 14.6     | 7.5      | 673      | 3.09        | 4.2      | 2.2     | 17.6     | 4.7      | 66       | 0.3      |
| 11TB0074  | Skookum West | 623349 | 6989223 | 3728 | 1.3      | 20.5     | 9.9      | 60       | 0.20     | 24.0     | 11       | 320      | 3.77        | 11.1     | 0.5     | 1.8      | 3.2      | 14       | 0.049    |
| 11TB0073  | Skookum West | 623348 | 6989175 | 3727 | 1.1      | 20.5     | 9.6      | 61       | 0.05     | 22.6     | 10       | 294      | 3.68        | 10.9     | 0.5     | 3.2      | 3.5      | 12       | 0.049    |
| 11TB0072  | Skookum West | 623347 | 6989131 | 3726 | 1.2      | 18.2     | 6.4      | 101      | 0.05     | 23.5     | 18.7     | 723      | 4.6         | 4.9      | 0.3     | 0.249    | 1.4      | 17       | 0.049    |
| 11TB0071  | Skookum West | 623350 | 6989075 | 3725 | 0.9      | 18.0     | 7.9      | 71       | 0.20     | 36.7     | 12.3     | 815      | 3.41        | 3.5      | 0.7     | 2.3      | 3.7      | 25       | 0.2      |
| 11TB0070  | Skookum West | 623345 | 6989025 | 3724 | 1.5      | 24.7     | 6.5      | 87       | 0.05     | 22.0     | 12.6     | 675      | 4.18        | 4.3      | 0.5     | 1.6      | 3.9      | 20       | 0.049    |
| 11TB0069  | Skookum West | 623345 | 6988971 | 3723 | 1.1      | 14.0     | 9.2      | 65       | 0.10     | 15.8     | 8.7      | 846      | 2.89        | 6.5      | 0.5     | 0.249    | 2.8      | 23       | 0.2      |
| 11TB0068  | Skookum West | 623352 | 6988925 | 3722 | 1.1      | 19.1     | 10.2     | 60       | 0.20     | 23.9     | 9.4      | 405      | 3.08        | 5.4      | 0.8     | 168.1    | 5.2      | 19       | 0.049    |
| 11TB0067  | Skookum West | 623352 | 6988874 | 3721 | 1.1      | 18.5     | 9.5      | 58       | 0.05     | 18.9     | 9.5      | 490      | 2.99        | 6.3      | 0.9     | 3.2      | 5.3      | 21       | 0.049    |
| 11TB0066  | Skookum West | 623351 | 6988823 | 3720 | 0.5      | 30.7     | 4.4      | 115      | 0.05     | 31.2     | 27.9     | 1201     | 5.26        | 2.9      | 0.4     | 1.8      | 1.8      | 23       | 0.1      |
| 11TB0065  | Skookum West | 623350 | 6988776 | 3719 | 0.7      | 27.4     | 7.0      | 89       | 0.10     | 34.2     | 17.5     | 720      | 3.94        | 4.4      | 0.5     | 5.4      | 2.6      | 24       | 0.049    |
| 11TB0064  | Skookum West | 623350 | 6988725 | 3718 | 1.1      | 22.3     | 8.5      | 70       | 0.10     | 24.0     | 12.3     | 505      | 3.24        | 6.1      | 0.4     | 0.9      | 2.1      | 21       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0063  | Skookum West | 623348 | 6988669 | 3717 | 1.4      | 33.7     | 10.2     | 88       | 0.30     | 53.7     | 17.7     | 738      | 4.28        | 5.1      | 0.7     | 10.1     | 3.7      | 27       | 0.2      |
| 11TB0062  | Skookum West | 623347 | 6988623 | 3716 | 1.5      | 37.1     | 8.8      | 91       | 0.20     | 23.9     | 14.5     | 757      | 4.04        | 5.1      | 1       | 10.4     | 3.2      | 38       | 0.2      |
| 11TB0061  | Skookum West | 623348 | 6988573 | 3715 | 0.8      | 53.4     | 6.5      | 57       | 0.10     | 28.3     | 15.3     | 290      | 3.25        | 3.5      | 1.5     | 2.3      | 2.3      | 44       | 0.049    |
| 11TB0060  | Skookum West | 623148 | 6989473 | 3714 | 1.6      | 28.3     | 5.1      | 67       | 0.20     | 14.0     | 5.9      | 431      | 1.61        | 2.2      | 7       | 14.5     | 1.1      | 111      | 0.3      |
| 11TB0059  | Skookum West | 623148 | 6989423 | 3713 | 0.7      | 16.1     | 10.2     | 83       | 0.05     | 13.5     | 12.5     | 525      | 3.24        | 4.4      | 0.5     | 2.7      | 3.3      | 14       | 0.049    |
| 11TB0058  | Skookum West | 623148 | 6989374 | 3712 | 0.7      | 15.0     | 8.8      | 77       | 0.05     | 17.0     | 9.3      | 390      | 3.04        | 6.4      | 0.5     | 4.7      | 2.2      | 19       | 0.2      |
| 11TB0057  | Skookum West | 623148 | 6989325 | 3711 | 0.9      | 15.6     | 8.2      | 99       | 0.05     | 22.4     | 15.4     | 516      | 4.14        | 7        | 0.5     | 3.2      | 2.9      | 15       | 0.049    |
| 11TB0056  | Skookum West | 623149 | 6989298 | 3710 | 0.9      | 24.0     | 9.1      | 81       | 0.05     | 22.4     | 13.8     | 531      | 3.68        | 6.9      | 0.8     | 4.4      | 3.1      | 19       | 0.049    |
| 11TB0055  | Skookum West | 623145 | 6989275 | 3709 | 1.3      | 14.1     | 9.4      | 54       | 0.05     | 14.2     | 7        | 242      | 2.93        | 7.5      | 0.5     | 2.2      | 2.3      | 14       | 0.049    |
| 11TB0054  | Skookum West | 623148 | 6989248 | 3708 | 1.0      | 19.8     | 8.8      | 62       | 0.05     | 18.0     | 9.7      | 438      | 3.16        | 7.4      | 0.8     | 3.8      | 3.5      | 18       | 0.1      |
| 11TB0053  | Skookum West | 623148 | 6989225 | 3707 | 1.2      | 13.6     | 11.0     | 56       | 0.05     | 18.2     | 7.7      | 292      | 3.42        | 9.3      | 0.4     | 3.2      | 1.8      | 14       | 0.1      |
| 11TB0052  | Skookum West | 623148 | 6989197 | 3706 | 1.3      | 19.3     | 11.0     | 53       | 0.20     | 17.2     | 7        | 247      | 3.03        | 8.4      | 1.1     | 5.9      | 4.2      | 16       | 0.049    |
| 11TB0051  | Skookum West | 623148 | 6989173 | 3705 | 1.9      | 25.4     | 12.8     | 56       | 0.20     | 19.9     | 11.3     | 314      | 4.06        | 9.5      | 0.9     | 4.3      | 4        | 14       | 0.049    |
| 11TB0050  | Skookum West | 623146 | 6989154 | 3704 | 1.1      | 29.9     | 11.5     | 64       | 0.10     | 80.7     | 15.5     | 430      | 4.05        | 8.5      | 1       | 3.1      | 4.9      | 88       | 0.1      |
| 11TB0049  | Skookum West | 623153 | 6989121 | 3703 | 0.8      | 44.3     | 12.0     | 71       | 0.10     | 161.6    | 26.7     | 650      | 4.18        | 6.3      | 1       | 3.1      | 9.3      | 210      | 0.049    |
| 11TB0048  | Skookum West | 623151 | 6989098 | 3702 | 1.9      | 20.5     | 13.4     | 89       | 0.30     | 16.0     | 11.6     | 798      | 3.73        | 6.9      | 0.3     | 1.5      | 2        | 17       | 0.1      |
| 11TB0047  | Skookum West | 623150 | 6989080 | 3701 | 1.3      | 19.0     | 9.0      | 96       | 0.20     | 14.9     | 12       | 1210     | 4.03        | 6        | 0.3     | 0.6      | 2        | 20       | 0.1      |
| 11TB0046  | Skookum West | 623147 | 6989053 | 3700 | 1.4      | 30.1     | 8.8      | 77       | 0.10     | 25.4     | 13.6     | 457      | 4.05        | 8.4      | 0.5     | 1.4      | 3.4      | 13       | 0.049    |
| 11TB0045  | Skookum West | 623151 | 6989026 | 3699 | 0.7      | 22.8     | 7.3      | 72       | 0.05     | 21.6     | 11.9     | 456      | 3.33        | 7.3      | 0.6     | 2.3      | 3.7      | 32       | 0.049    |
| 11TB0044  | Skookum West | 623147 | 6989003 | 3698 | 0.7      | 37.8     | 9.2      | 116      | 0.05     | 20.2     | 14.1     | 729      | 3.88        | 4.8      | 0.2     | 0.249    | 1.3      | 26       | 0.3      |
| 11TB0043  | Skookum West | 623150 | 6988976 | 3697 | 0.3      | 19.7     | 5.2      | 105      | 0.05     | 53.8     | 22.5     | 789      | 3.97        | 2.2      | 0.2     | 0.249    | 1.2      | 26       | 0.049    |
| 11TB0042  | Skookum West | 623151 | 6988949 | 3696 | 0.4      | 22.1     | 4.6      | 81       | 0.05     | 22.7     | 17.9     | 557      | 3.38        | 3.5      | 0.2     | 0.7      | 0.9      | 17       | 0.049    |
| 11TB0040  | Skookum West | 623146 | 6988925 | 3694 | 0.5      | 26.2     | 21.9     | 67       | 0.05     | 68.5     | 16.9     | 447      | 3.43        | 3.5      | 1       | 0.7      | 6.1      | 38       | 0.049    |
| 11TB0039  | Skookum West | 623147 | 6988899 | 3693 | 0.8      | 35.2     | 12.0     | 62       | 0.05     | 32.1     | 10.8     | 334      | 3.17        | 5.6      | 0.5     | 5.4      | 3.2      | 23       | 0.049    |
| 11TB0038  | Skookum West | 623154 | 6988875 | 3692 | 0.9      | 25.9     | 11.6     | 59       | 0.20     | 28.8     | 11       | 738      | 2.57        | 5.2      | 0.6     | 0.6      | 2.4      | 47       | 0.049    |
| 11TB0037  | Skookum West | 623146 | 6988852 | 3691 | 0.4      | 16.3     | 6.0      | 88       | 0.05     | 15.0     | 15.1     | 667      | 3.99        | 4.1      | 0.3     | 0.9      | 2.1      | 12       | 0.1      |
| 11TB0036  | Skookum West | 623145 | 6988822 | 3690 | 0.9      | 27.3     | 9.5      | 69       | 0.05     | 21.6     | 12.2     | 657      | 2.98        | 7        | 0.5     | 2.1      | 3.8      | 27       | 0.2      |
| 11TB0035  | Skookum West | 623149 | 6988802 | 3689 | 0.4      | 41.9     | 6.2      | 96       | 0.05     | 15.4     | 15.9     | 762      | 4.29        | 3.3      | 0.4     | 1        | 2.5      | 21       | 0.4      |
| 11TB0034  | Skookum West | 623150 | 6988774 | 3688 | 1.0      | 27.0     | 40.9     | 179      | 0.05     | 19.7     | 9.8      | 489      | 3.56        | 6.6      | 0.6     | 6.7      | 4.1      | 21       | 0.5      |
| 11TB0033  | Skookum West | 623152 | 6988750 | 3687 | 0.7      | 22.8     | 61.9     | 152      | 0.05     | 11.8     | 9.3      | 809      | 3.44        | 3.9      | 0.4     | 1.8      | 3.1      | 16       | 0.2      |
| 11TB0032  | Skookum West | 623148 | 6988724 | 3686 | 1.1      | 14.9     | 10.2     | 72       | 0.10     | 15.3     | 9.1      | 690      | 3.15        | 6.9      | 0.4     | 2.1      | 2.8      | 21       | 0.2      |
| 11TB0031  | Skookum West | 623149 | 6988702 | 3685 | 1.2      | 19.3     | 9.2      | 74       | 0.05     | 19.7     | 9.7      | 553      | 3.16        | 6.5      | 0.6     | 12       | 4.4      | 18       | 0.049    |
| 11TB0030  | Skookum West | 623144 | 6988678 | 3684 | 1.6      | 19.7     | 9.8      | 54       | 0.20     | 22.2     | 13.8     | 1174     | 3.13        | 6.8      | 0.5     | 6.4      | 3.1      | 26       | 0.049    |
| 11TB0029  | Skookum West | 623146 | 6988650 | 3683 | 2.2      | 16.8     | 7.0      | 49       | 0.10     | 16.4     | 9        | 581      | 2.85        | 5.2      | 0.5     | 8.2      | 2.8      | 23       | 0.1      |
| 11TB0028  | Skookum West | 623151 | 6988627 | 3682 | 1.5      | 27.1     | 8.9      | 61       | 0.10     | 27.9     | 10.5     | 462      | 3.1         | 7        | 0.9     | 7.5      | 4.9      | 26       | 0.1      |
| 11TB0027  | Skookum West | 623151 | 6988600 | 3681 | 1.2      | 23.6     | 9.7      | 64       | 0.20     | 16.3     | 9.9      | 660      | 3.21        | 5.4      | 1.2     | 4.2      | 6.2      | 22       | 0.049    |
| 11TB0026  | Skookum West | 623148 | 6988573 | 3680 | 1.0      | 32.3     | 11.0     | 61       | 0.20     | 29.3     | 11       | 817      | 3.13        | 6.3      | 1.1     | 4.1      | 5        | 38       | 0.2      |
| 11TB0025  | Skookum West | 623142 | 6988550 | 3679 | 0.5      | 14.4     | 6.1      | 106      | 0.05     | 8.2      | 14.6     | 721      | 4.44        | 3.6      | 0.4     | 0.8      | 2.1      | 38       | 0.049    |
| 11TB0024  | Skookum West | 623152 | 6988520 | 3678 | 0.7      | 7.5      | 5.6      | 76       | 0.05     | 11.1     | 13.9     | 550      | 4.14        | 2.7      | 0.4     | 0.9      | 2.7      | 17       | 0.049    |
| 11TB0023  | Skookum West | 623151 | 6988493 | 3677 | 0.8      | 11.3     | 6.9      | 99       | 0.05     | 16.2     | 19.1     | 950      | 4.45        | 4.8      | 0.4     | 1        | 2.4      | 26       | 0.049    |
| 11TB0022  | Skookum West | 622949 | 6988996 | 3676 | 1.0      | 36.0     | 9.0      | 95       | 0.05     | 20.3     | 14.4     | 480      | 3.74        | 5.7      | 0.4     | 1.1      | 2.5      | 15       | 0.1      |
| 11TB0020  | Skookum West | 622949 | 6989023 | 3674 | 1.2      | 30.6     | 11.4     | 59       | 0.20     | 12.6     | 6.8      | 367      | 2.83        | 5        | 0.7     | 3.6      | 2.5      | 17       | 0.2      |
| 11TB0019  | Skookum West | 622953 | 6989050 | 3673 | 0.8      | 36.2     | 9.9      | 117      | 0.05     | 14.3     | 15.1     | 741      | 4.49        | 3.4      | 0.3     | 0.249    | 1.4      | 22       | 0.2      |
| 11TB0018  | Skookum West | 622949 | 6989073 | 3672 | 1.0      | 27.3     | 10.5     | 63       | 0.05     | 22.2     | 10.6     | 318      | 3.08        | 8.1      | 0.6     | 3.7      | 3.2      | 18       | 0.1      |
| 11TB0017  | Skookum West | 622953 | 6989099 | 3671 | 1.1      | 24.7     | 7.2      | 74       | 0.10     | 22.6     | 12.9     | 438      | 3.4         | 4.6      | 0.4     | 8.2      | 2        | 18       | 0.2      |
| 11TB0016  | Skookum West | 622945 | 6989121 | 3670 | 0.8      | 38.4     | 8.3      | 66       | 0.20     | 111.0    | 23.4     | 882      | 3.82        | 5.2      | 1.3     | 3.3      | 5.5      | 115      | 0.1      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11TB0015  | Skookum West | 622948 | 6989149 | 3669 | 2.1      | 26.0     | 34.4     | 71       | 0.30     | 34.6     | 15.8     | 691      | 3.64        | 5.5      | 0.8     | 8.6      | 3.2      | 23       | 0.2      |
| 11TB0014  | Skookum West | 622948 | 6989169 | 3668 | 1.6      | 14.8     | 10.3     | 62       | 0.20     | 15.8     | 6.8      | 415      | 2.54        | 4.5      | 0.6     | 7.4      | 2.8      | 20       | 0.049    |
| 11TB0013  | Skookum West | 622951 | 6989196 | 3667 | 1.6      | 25.8     | 10.9     | 80       | 0.20     | 16.1     | 14.3     | 731      | 4.31        | 4        | 0.7     | 2.2      | 3.4      | 16       | 0.049    |
| 11TB0012  | Skookum West | 622947 | 6989218 | 3666 | 3.9      | 24.7     | 30.1     | 67       | 0.30     | 20.1     | 10.7     | 419      | 3.73        | 8.7      | 1       | 3.2      | 3.6      | 23       | 0.1      |
| 11TB0011  | Skookum West | 622948 | 6989246 | 3665 | 16.0     | 57.6     | 175.2    | 107      | 0.90     | 14.1     | 19       | 1158     | 6.04        | 13       | 1.2     | 7.3      | 4.4      | 14       | 0.3      |
| 11TB0010  | Skookum West | 622947 | 6989274 | 3664 | 5.8      | 17.8     | 22.2     | 75       | 0.40     | 13.9     | 11.1     | 644      | 3.57        | 9.6      | 0.9     | 4.8      | 3.9      | 17       | 0.049    |
| 11TB0009  | Skookum West | 622948 | 6989300 | 3663 | 1.4      | 16.7     | 8.8      | 68       | 0.30     | 15.9     | 9.5      | 426      | 2.93        | 4.9      | 1       | 11.7     | 3.7      | 16       | 0.2      |
| 11TB0008  | Skookum West | 622948 | 6989323 | 3662 | 1.5      | 16.9     | 9.7      | 78       | 0.05     | 20.4     | 10.4     | 536      | 3.27        | 5.9      | 0.8     | 8.4      | 4.6      | 19       | 0.049    |
| 11TB0007  | Skookum West | 622948 | 6989350 | 3661 | 1.3      | 20.7     | 10.3     | 71       | 0.10     | 19.2     | 10.9     | 568      | 3.11        | 6.2      | 0.9     | 13       | 4.1      | 21       | 0.1      |
| 11TB0006  | Skookum West | 622950 | 6989373 | 3660 | 1.6      | 13.9     | 10.6     | 63       | 0.05     | 18.7     | 8.8      | 345      | 3.1         | 6.9      | 0.5     | 5.6      | 3.5      | 14       | 0.049    |
| 11TB0005  | Skookum West | 622950 | 6989400 | 3659 | 1.5      | 15.3     | 12.2     | 74       | 0.05     | 17.5     | 10.3     | 436      | 3.27        | 6.7      | 0.6     | 4.2      | 3.6      | 16       | 0.049    |
| 11TB0004  | Skookum West | 622950 | 6989425 | 3658 | 0.7      | 14.7     | 9.5      | 76       | 0.05     | 13.3     | 10.9     | 598      | 2.81        | 3.6      | 0.6     | 26.3     | 4.2      | 16       | 0.049    |
| 11TB0003  | Skookum West | 622949 | 6989448 | 3657 | 1.1      | 18.2     | 10.0     | 68       | 0.05     | 18.3     | 10.2     | 405      | 2.99        | 6.1      | 0.8     | 8.1      | 3.9      | 18       | 0.1      |
| 11TB0002  | Skookum West | 622947 | 6989475 | 3656 | 1.4      | 22.8     | 10.7     | 80       | 0.05     | 24.0     | 12.6     | 472      | 3.93        | 9.2      | 0.9     | 70.7     | 4.9      | 21       | 0.1      |
| 11TB0001  | Skookum West | 622947 | 6989499 | 3655 | 1.3      | 18.0     | 10.2     | 68       | 0.05     | 20.3     | 10.3     | 404      | 3.06        | 7.1      | 0.9     | 4.8      | 4.7      | 21       | 0.049    |
| 11NG0747  | Skookum East | 628149 | 6988640 | 6357 | 1.2      | 39.0     | 9.1      | 60       | 0.05     | 18.5     | 8.8      | 311      | 3.28        | 6.1      | 0.8     | 3.7      | 8.8      | 25       | 0.049    |
| 11NG0746  | Skookum East | 628149 | 6988740 | 6356 | 1.3      | 20.0     | 13.4     | 57       | 0.05     | 21.5     | 10.5     | 349      | 3.11        | 7.9      | 1.2     | 282.2    | 8        | 31       | 0.049    |
| 11NG0745  | Skookum East | 628149 | 6988840 | 6355 | 1.3      | 13.1     | 7.7      | 57       | 0.05     | 17.2     | 8.8      | 345      | 2.62        | 5.9      | 0.7     | 3.2      | 5.7      | 27       | 0.1      |
| 11NG0744  | Skookum East | 628149 | 6988940 | 6354 | 1.0      | 19.2     | 6.7      | 44       | 0.20     | 18.4     | 7.6      | 337      | 1.97        | 2.3      | 2.2     | 11       | 4.2      | 76       | 0.1      |
| 11NG0743  | Skookum East | 628149 | 6989040 | 6353 | 0.9      | 19.3     | 7.7      | 44       | 0.20     | 17.7     | 8.1      | 459      | 2.31        | 3.5      | 3       | 8        | 8.6      | 38       | 0.2      |
| 11NG0742  | Skookum East | 628149 | 6989140 | 6352 | 1.3      | 15.7     | 9.4      | 54       | 0.20     | 18.2     | 8.3      | 522      | 2.54        | 5.6      | 1.2     | 7.8      | 7.5      | 32       | 0.049    |
| 11NG0740  | Skookum East | 628149 | 6989240 | 6350 | 1.1      | 15.6     | 10.2     | 53       | 0.05     | 16.7     | 7.2      | 304      | 2.52        | 5.7      | 0.9     | 3.7      | 6.1      | 23       | 0.049    |
| 11NG0739  | Skookum East | 628150 | 6989340 | 6349 | 1.5      | 21.3     | 12.1     | 62       | 0.20     | 23.8     | 12.2     | 358      | 4.16        | 2.6      | 0.6     | 6.1      | 5.3      | 25       | 0.2      |
| 11NG0738  | Skookum East | 628149 | 6989440 | 6348 | 1.1      | 23.5     | 11.6     | 56       | 0.40     | 23.4     | 11.8     | 283      | 3.3         | 7.4      | 0.9     | 5        | 6.3      | 14       | 0.3      |
| 11NG0737  | Skookum East | 628149 | 6989540 | 6347 | 0.8      | 19.8     | 9.7      | 56       | 0.05     | 22.0     | 11.1     | 364      | 3.14        | 7.7      | 1.1     | 4.7      | 5.1      | 18       | 0.049    |
| 11NG0736  | Skookum East | 628150 | 6989640 | 6346 | 1.0      | 13.7     | 9.4      | 41       | 0.05     | 14.2     | 6        | 200      | 2.32        | 5.4      | 0.6     | 9.8      | 6.7      | 20       | 0.049    |
| 11NG0734  | Skookum East | 628150 | 6989740 | 6345 | 1.1      | 17.2     | 9.2      | 66       | 0.05     | 16.6     | 10.6     | 507      | 3.33        | 7.2      | 0.5     | 11.2     | 2.9      | 21       | 0.2      |
| 11NG0733  | Skookum East | 628150 | 6989840 | 6344 | 1.3      | 19.9     | 7.5      | 110      | 0.05     | 15.1     | 13.9     | 727      | 4           | 4.1      | 1.1     | 1.5      | 3.7      | 32       | 0.049    |
| 11NG0732  | Skookum East | 628150 | 6989940 | 6343 | 1.5      | 22.7     | 9.0      | 107      | 0.10     | 16.6     | 13.2     | 677      | 3.57        | 3        | 1.6     | 5        | 3.5      | 40       | 0.1      |
| 11NG0731  | Skookum East | 628150 | 6990040 | 6342 | 0.8      | 15.5     | 6.5      | 56       | 0.05     | 20.7     | 10.3     | 369      | 2.42        | 3.3      | 0.7     | 3.7      | 1.4      | 28       | 0.1      |
| 11NG0730  | Skookum East | 628150 | 6990140 | 6341 | 0.5      | 19.6     | 4.7      | 70       | 0.05     | 52.7     | 15.9     | 450      | 3.7         | 2.7      | 0.5     | 1.6      | 1.5      | 31       | 0.1      |
| 11NG0729  | Skookum East | 628150 | 6990240 | 6340 | 0.4      | 12.4     | 6.3      | 78       | 0.10     | 34.4     | 12.6     | 361      | 3.11        | 1.9      | 0.8     | 0.9      | 2.9      | 26       | 0.049    |
| 11NG0728  | Skookum East | 628150 | 6990340 | 6339 | 0.6      | 15.3     | 7.1      | 68       | 0.10     | 13.7     | 8.4      | 501      | 2.51        | 1.8      | 1.1     | 0.249    | 4.6      | 63       | 0.1      |
| 11NG0727  | Skookum East | 628150 | 6990440 | 6338 | 0.6      | 16.8     | 8.3      | 56       | 0.05     | 19.7     | 9.1      | 357      | 2.75        | 7.3      | 0.7     | 0.249    | 4.3      | 32       | 0.049    |
| 11NG0726  | Skookum East | 628150 | 6990540 | 6337 | 0.6      | 17.4     | 6.9      | 68       | 0.05     | 19.2     | 11.3     | 640      | 3.06        | 2.7      | 0.7     | 1.7      | 5.4      | 41       | 0.2      |
| 11NG0725  | Skookum East | 627849 | 6988584 | 6336 | 1.8      | 147.2    | 26.3     | 424      | 0.70     | 22.6     | 10.7     | 1502     | 5.34        | 8.1      | 0.6     | 5.7      | 4.1      | 19       | 2        |
| 11NG0724  | Skookum East | 627849 | 6988634 | 6335 | 1.6      | 136.7    | 8.5      | 68       | 0.20     | 23.7     | 9.9      | 272      | 3.2         | 6.5      | 1.3     | 3.9      | 6.3      | 34       | 0.2      |
| 11NG0723  | Skookum East | 627849 | 6988684 | 6334 | 1.4      | 24.1     | 7.3      | 60       | 0.20     | 21.7     | 11.9     | 465      | 3.31        | 5.4      | 1.3     | 20.1     | 8.8      | 40       | 0.2      |
| 11NG0722  | Skookum East | 627849 | 6988734 | 6333 | 1.0      | 17.6     | 8.9      | 49       | 0.10     | 19.7     | 7.9      | 386      | 2.84        | 9.4      | 0.7     | 4.9      | 6.4      | 22       | 0.049    |
| 11NG0720  | Skookum East | 627849 | 6988784 | 6331 | 1.3      | 13.8     | 8.6      | 44       | 0.05     | 15.1     | 5.7      | 257      | 2.47        | 6.7      | 0.5     | 2.9      | 4.5      | 11       | 0.049    |
| 11NG0719  | Skookum East | 627849 | 6988834 | 6330 | 1.1      | 20.0     | 10.9     | 52       | 0.05     | 20.1     | 8        | 312      | 3.24        | 8.5      | 0.5     | 3.7      | 6.4      | 11       | 0.1      |
| 11NG0718  | Skookum East | 627849 | 6988884 | 6329 | 0.9      | 21.2     | 8.6      | 50       | 0.05     | 24.0     | 9.5      | 269      | 2.91        | 10.3     | 0.5     | 1.8      | 7.1      | 16       | 0.1      |
| 11NG0717  | Skookum East | 627849 | 6988934 | 6328 | 1.0      | 12.9     | 10.8     | 72       | 0.05     | 18.3     | 10.8     | 895      | 3.3         | 8.7      | 0.4     | 3.5      | 3.5      | 12       | 0.1      |
| 11NG0716  | Skookum East | 627850 | 6988984 | 6327 | 0.8      | 20.2     | 9.2      | 57       | 0.05     | 22.7     | 10.6     | 304      | 3.26        | 8.6      | 1.1     | 3.1      | 8.3      | 18       | 0.049    |
| 11NG0715  | Skookum East | 627849 | 6989034 | 6326 | 1.3      | 15.9     | 10.2     | 55       | 0.20     | 19.1     | 8.5      | 343      | 3.51        | 7.8      | 0.6     | 2.7      | 5.6      | 14       | 0.049    |
| 11NG0714  | Skookum East | 627849 | 6989084 | 6325 | 0.8      | 22.7     | 10.5     | 52       | 0.10     | 17.1     | 8.5      | 219      | 3.46        | 9.1      | 0.5     | 35.3     | 8.4      | 11       | 0.049    |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0713  | Skookum East | 627849 | 6989134 | 6324 | 0.6      | 24.4     | 8.4      | 57       | 0.05     | 50.9     | 13.7     | 426      | 3.16        | 6.9      | 0.8     | 5.3      | 6.6      | 41       | 0.049    |
| 11NG0712  | Skookum East | 627849 | 6989184 | 6323 | 0.8      | 15.4     | 9.4      | 40       | 0.10     | 12.4     | 6        | 233      | 2.38        | 5.8      | 0.6     | 35.9     | 3.7      | 12       | 0.049    |
| 11NG0711  | Skookum East | 627849 | 6989234 | 6322 | 0.9      | 19.0     | 8.6      | 60       | 0.05     | 13.2     | 9.2      | 367      | 3.64        | 5.9      | 0.5     | 4.7      | 8        | 16       | 0.1      |
| 11NG0710  | Skookum East | 627849 | 6989284 | 6321 | 1.1      | 19.9     | 9.6      | 55       | 0.05     | 20.7     | 9.2      | 286      | 3           | 9.6      | 0.7     | 10.9     | 8.9      | 15       | 0.1      |
| 11NG0709  | Skookum East | 627849 | 6989334 | 6320 | 1.1      | 14.7     | 10.5     | 52       | 0.05     | 9.0      | 7.2      | 283      | 3.99        | 6.1      | 0.5     | 4.6      | 7.2      | 12       | 0.1      |
| 11NG0708  | Skookum East | 627850 | 6989384 | 6319 | 1.3      | 22.5     | 10.8     | 58       | 0.05     | 20.8     | 8.9      | 307      | 3.1         | 11.1     | 1.3     | 8.1      | 5.9      | 14       | 0.049    |
| 11NG0707  | Skookum East | 627850 | 6989434 | 6318 | 1.2      | 21.0     | 10.4     | 55       | 0.05     | 25.7     | 9.7      | 368      | 2.89        | 9.7      | 1.1     | 5.2      | 4.9      | 25       | 0.049    |
| 11NG0706  | Skookum East | 627850 | 6989484 | 6317 | 1.0      | 30.9     | 8.8      | 65       | 0.05     | 22.7     | 12.9     | 348      | 4.04        | 9.7      | 0.5     | 44.6     | 4.9      | 17       | 0.049    |
| 11NG0705  | Skookum East | 627850 | 6989534 | 6316 | 1.1      | 24.8     | 8.9      | 63       | 0.05     | 20.2     | 11.2     | 342      | 3.6         | 8.3      | 0.6     | 3.4      | 9.1      | 16       | 0.2      |
| 11NG0704  | Skookum East | 627849 | 6989584 | 6315 | 1.3      | 22.8     | 10.3     | 56       | 0.05     | 19.1     | 10       | 462      | 3.11        | 9.9      | 1       | 4        | 6.3      | 14       | 0.049    |
| 11NG0703  | Skookum East | 627849 | 6989634 | 6314 | 0.9      | 42.4     | 11.8     | 85       | 0.05     | 20.5     | 10.3     | 766      | 3.4         | 8.5      | 0.8     | 25.9     | 6.2      | 19       | 0.1      |
| 11NG0702  | Skookum East | 627849 | 6989684 | 6313 | 0.7      | 24.4     | 9.5      | 58       | 0.10     | 20.4     | 9.6      | 270      | 3.24        | 9.4      | 0.8     | 2.6      | 5.6      | 14       | 0.049    |
| 11NG0700  | Skookum East | 627850 | 6989734 | 6311 | 0.8      | 32.0     | 10.8     | 55       | 0.05     | 15.5     | 7.2      | 239      | 3.08        | 9        | 0.6     | 1.8      | 1.3      | 21       | 0.1      |
| 11NG0699  | Skookum East | 627850 | 6989784 | 6310 | 0.8      | 31.0     | 10.5     | 53       | 0.05     | 16.0     | 7.1      | 235      | 3.02        | 8.8      | 0.6     | 1.2      | 1.3      | 20       | 0.049    |
| 11NG0698  | Skookum East | 627850 | 6989834 | 6309 | 1.4      | 63.5     | 10.2     | 69       | 0.10     | 22.3     | 12       | 508      | 3.61        | 10.2     | 0.7     | 3.9      | 6.8      | 12       | 0.1      |
| 11NG0697  | Skookum East | 627850 | 6989884 | 6308 | 1.3      | 19.7     | 8.4      | 48       | 0.05     | 10.8     | 8.6      | 258      | 2.94        | 6.2      | 0.4     | 2.7      | 5.3      | 12       | 0.049    |
| 11NG0696  | Skookum East | 627850 | 6989934 | 6307 | 0.9      | 19.2     | 10.9     | 59       | 0.05     | 18.0     | 9.7      | 314      | 2.87        | 7.6      | 0.5     | 3.1      | 3        | 18       | 0.049    |
| 11NG0695  | Skookum East | 627850 | 6989984 | 6306 | 0.7      | 21.5     | 9.3      | 57       | 0.20     | 26.1     | 10.5     | 370      | 2.96        | 5.1      | 0.7     | 6.1      | 4.7      | 27       | 0.1      |
| 11NG0694  | Skookum East | 627850 | 6990034 | 6305 | 0.9      | 16.6     | 8.4      | 56       | 0.05     | 13.2     | 7.4      | 274      | 3.05        | 7.1      | 0.5     | 3.1      | 2.2      | 14       | 0.1      |
| 11NG0693  | Skookum East | 627850 | 6990084 | 6304 | 1.0      | 32.3     | 8.0      | 61       | 0.10     | 18.3     | 9.4      | 368      | 2.89        | 7.2      | 0.9     | 4.5      | 3.1      | 22       | 0.1      |
| 11NG0692  | Skookum East | 627850 | 6990134 | 6303 | 1.7      | 22.5     | 9.1      | 60       | 0.10     | 14.9     | 9.1      | 388      | 3.16        | 7.1      | 1.1     | 4.1      | 4.5      | 45       | 0.049    |
| 11NG0691  | Skookum East | 627850 | 6990184 | 6302 | 4.1      | 22.1     | 9.1      | 66       | 0.30     | 17.2     | 13.1     | 442      | 2.87        | 5        | 1.5     | 3.5      | 6.2      | 53       | 0.2      |
| 11NG0690  | Skookum East | 627850 | 6990234 | 6301 | 0.9      | 18.1     | 5.3      | 19       | 0.20     | 6.4      | 2.4      | 132      | 0.99        | 1.6      | 1.5     | 0.249    | 0.2      | 11       | 0.5      |
| 11NG0689  | Skookum East | 627850 | 6990284 | 6300 | 0.8      | 25.0     | 10.2     | 59       | 0.20     | 25.2     | 9.3      | 537      | 2.63        | 3.3      | 1.3     | 1.7      | 6.6      | 61       | 0.049    |
| 11NG0688  | Skookum East | 627850 | 6990334 | 6299 | 0.8      | 15.5     | 8.0      | 55       | 0.20     | 15.9     | 9.5      | 439      | 2.59        | 4.5      | 0.7     | 0.249    | 3.3      | 36       | 0.1      |
| 11NG0687  | Skookum East | 627850 | 6990384 | 6298 | 1.4      | 23.2     | 10.0     | 59       | 0.05     | 13.2     | 7.5      | 302      | 2.89        | 5.6      | 0.5     | 0.249    | 8.6      | 18       | 0.2      |
| 11NG0686  | Skookum East | 627850 | 6990434 | 6297 | 0.7      | 23.5     | 8.9      | 58       | 0.05     | 32.3     | 11.5     | 461      | 3.21        | 7.1      | 0.7     | 3.1      | 7.1      | 28       | 0.049    |
| 11NG0685  | Skookum East | 627851 | 6990484 | 6296 | 0.4      | 35.4     | 7.7      | 81       | 0.20     | 92.6     | 21.5     | 568      | 4.22        | 3.2      | 2.3     | 2.6      | 3.2      | 77       | 0.049    |
| 11NG0684  | Skookum East | 627850 | 6990534 | 6295 | 0.9      | 14.1     | 8.1      | 69       | 0.05     | 37.4     | 12.8     | 370      | 3.97        | 8.4      | 0.4     | 0.249    | 2.6      | 17       | 0.049    |
| 11NG0682  | Skookum East | 627650 | 6988630 | 6192 | 1.5      | 19.0     | 13.6     | 91       | 0.30     | 16.8     | 8.3      | 330      | 3.51        | 12.1     | 0.4     | 1.4      | 3.3      | 10       | 0.7      |
| 11NG0680  | Skookum East | 627649 | 6988680 | 6190 | 2.0      | 192.0    | 11.4     | 72       | 0.40     | 18.1     | 5.5      | 218      | 4.1         | 5.9      | 2.2     | 6.1      | 11       | 65       | 0.1      |
| 11NG0679  | Skookum East | 627650 | 6988730 | 6189 | 0.8      | 63.4     | 9.1      | 67       | 0.10     | 19.6     | 8.9      | 283      | 2.97        | 9.6      | 0.5     | 1.4      | 3.2      | 16       | 0.049    |
| 11NG0678  | Skookum East | 627650 | 6988780 | 6188 | 1.4      | 20.4     | 14.3     | 73       | 0.30     | 18.5     | 8.4      | 546      | 2.81        | 7.4      | 0.5     | 2.2      | 2.2      | 29       | 0.3      |
| 11NG0677  | Skookum East | 627649 | 6988830 | 6187 | 2.0      | 31.5     | 9.2      | 78       | 0.10     | 36.1     | 14.9     | 446      | 4.1         | 16       | 1.5     | 1.6      | 9        | 41       | 0.049    |
| 11NG0676  | Skookum East | 627650 | 6988880 | 6186 | 1.2      | 20.1     | 12.5     | 56       | 0.05     | 20.5     | 8        | 308      | 2.97        | 8.2      | 0.7     | 4.4      | 7.3      | 20       | 0.1      |
| 11NG0675  | Skookum East | 627650 | 6988930 | 6185 | 2.0      | 13.5     | 11.4     | 47       | 0.05     | 18.6     | 8.4      | 478      | 2.91        | 8.2      | 0.6     | 2.5      | 5.6      | 21       | 0.1      |
| 11NG0674  | Skookum East | 627650 | 6988980 | 6184 | 1.3      | 11.5     | 11.7     | 56       | 0.10     | 24.6     | 9.2      | 307      | 3.17        | 7.8      | 0.3     | 2        | 3.7      | 11       | 0.2      |
| 11NG0673  | Skookum East | 627650 | 6989030 | 6183 | 0.9      | 8.5      | 10.9     | 37       | 0.05     | 8.6      | 6        | 828      | 2.7         | 7.7      | 0.5     | 4.3      | 1        | 13       | 0.2      |
| 11NG0672  | Skookum East | 627650 | 6989080 | 6182 | 0.8      | 18.7     | 10.0     | 48       | 0.05     | 19.0     | 8.2      | 244      | 2.88        | 8.7      | 0.7     | 3.5      | 3.6      | 16       | 0.1      |
| 11NG0671  | Skookum East | 627650 | 6989130 | 6181 | 0.7      | 30.1     | 8.9      | 52       | 0.05     | 27.9     | 10.3     | 304      | 2.91        | 8.4      | 0.8     | 4.5      | 5.8      | 24       | 0.049    |
| 11NG0670  | Skookum East | 627649 | 6989180 | 6180 | 0.9      | 17.7     | 9.7      | 53       | 0.05     | 31.6     | 11.9     | 332      | 3.26        | 10.3     | 0.8     | 4        | 6.4      | 16       | 0.1      |
| 11NG0669  | Skookum East | 627649 | 6989230 | 6179 | 0.9      | 17.3     | 16.7     | 55       | 0.10     | 18.2     | 8.5      | 243      | 3.09        | 9.1      | 0.7     | 1.4      | 4.9      | 14       | 0.2      |
| 11NG0668  | Skookum East | 627649 | 6989280 | 6178 | 0.8      | 20.7     | 9.4      | 47       | 0.05     | 21.2     | 10.3     | 344      | 2.74        | 7.6      | 0.7     | 2.9      | 5.5      | 21       | 0.049    |
| 11NG0667  | Skookum East | 627650 | 6989330 | 6177 | 0.9      | 16.4     | 10.7     | 44       | 0.05     | 11.2     | 7.1      | 215      | 2.76        | 5.4      | 0.6     | 3.6      | 6.7      | 14       | 0.1      |
| 11NG0666  | Skookum East | 627650 | 6989380 | 6176 | 0.7      | 16.1     | 12.2     | 49       | 0.05     | 13.9     | 6.5      | 310      | 2.32        | 4        | 0.8     | 24.6     | 6.3      | 22       | 0.049    |
| 11NG0665  | Skookum East | 627650 | 6989430 | 6175 | 1.2      | 13.3     | 6.5      | 66       | 0.10     | 12.4     | 10.5     | 756      | 4.91        | 1.8      | 1.3     | 5.5      | 3.4      | 50       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0664  | Skookum East | 627650 | 6989480 | 6174 | 1.7      | 23.3     | 14.2     | 51       | 0.05     | 13.7     | 10.2     | 650      | 2.54        | 4        | 2.2     | 16.1     | 8.7      | 51       | 0.1      |
| 11NG0663  | Skookum East | 627649 | 6989530 | 6173 | 1.5      | 29.2     | 9.6      | 67       | 0.20     | 24.9     | 13.5     | 554      | 3.23        | 4.5      | 1       | 49.4     | 5.5      | 39       | 0.049    |
| 11NG0662  | Skookum East | 627650 | 6989580 | 6172 | 0.8      | 14.5     | 7.6      | 49       | 0.05     | 5.4      | 6.6      | 347      | 2.57        | 1.9      | 0.4     | 2.4      | 17.2     | 24       | 0.049    |
| 11NG0660  | Skookum East | 627649 | 6989630 | 6170 | 1.3      | 25.0     | 11.0     | 60       | 0.05     | 20.5     | 9.8      | 303      | 3.18        | 8.4      | 0.8     | 7.9      | 11.6     | 16       | 0.049    |
| 11NG0659  | Skookum East | 627650 | 6989680 | 6169 | 1.4      | 20.9     | 10.1     | 59       | 0.05     | 20.6     | 9.1      | 326      | 3.16        | 8.3      | 0.7     | 4.9      | 9.6      | 20       | 0.049    |
| 11NG0658  | Skookum East | 627650 | 6989730 | 6168 | 1.8      | 10.9     | 12.0     | 60       | 0.05     | 12.8     | 6.6      | 376      | 3.63        | 11.6     | 0.4     | 1.4      | 3        | 12       | 0.1      |
| 11NG0657  | Skookum East | 627650 | 6989780 | 6167 | 2.3      | 93.8     | 9.6      | 67       | 0.05     | 10.7     | 7.2      | 349      | 3.93        | 7.4      | 0.4     | 44.1     | 2.6      | 8        | 0.2      |
| 11NG0656  | Skookum East | 627650 | 6989830 | 6166 | 1.4      | 28.9     | 11.8     | 64       | 0.05     | 22.7     | 11.3     | 372      | 3.42        | 11.7     | 1.1     | 4.4      | 6        | 14       | 0.1      |
| 11NG0655  | Skookum East | 627650 | 6989880 | 6165 | 0.9      | 38.0     | 8.8      | 62       | 0.05     | 21.2     | 9.5      | 372      | 2.79        | 6.8      | 0.8     | 3.2      | 4.7      | 33       | 0.1      |
| 11NG0654  | Skookum East | 627650 | 6989930 | 6164 | 1.0      | 25.9     | 9.2      | 57       | 0.05     | 22.3     | 10.6     | 296      | 2.88        | 8.2      | 0.6     | 16.2     | 5.7      | 18       | 0.2      |
| 11NG0653  | Skookum East | 627650 | 6989980 | 6163 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11NG0652  | Skookum East | 627650 | 6990030 | 6162 | 0.7      | 18.6     | 6.3      | 57       | 0.05     | 18.4     | 11       | 337      | 2.92        | 5.1      | 0.4     | 5.2      | 6.7      | 18       | 0.049    |
| 11NG0651  | Skookum East | 627650 | 6990080 | 6161 | 1.6      | 24.1     | 13.2     | 52       | 0.05     | 18.8     | 10.9     | 354      | 3.24        | 11.6     | 1.5     | 4.8      | 7.3      | 17       | 0.049    |
| 11NG0650  | Skookum East | 627650 | 6990130 | 6160 | 0.9      | 24.1     | 7.5      | 49       | 0.05     | 15.5     | 7.4      | 212      | 2.57        | 4.9      | 0.7     | 2.8      | 9.3      | 19       | 0.049    |
| 11NG0649  | Skookum East | 627650 | 6990180 | 6159 | 1.0      | 28.2     | 12.9     | 56       | 0.05     | 29.8     | 10.8     | 364      | 3.01        | 7.3      | 0.8     | 6.6      | 8.9      | 26       | 0.049    |
| 11NG0648  | Skookum East | 627650 | 6990230 | 6158 | 0.7      | 21.4     | 8.2      | 60       | 0.05     | 20.0     | 9.8      | 351      | 2.98        | 5.3      | 0.7     | 3.1      | 12       | 18       | 0.049    |
| 11NG0647  | Skookum East | 627650 | 6990280 | 6157 | 0.9      | 38.3     | 15.4     | 64       | 0.05     | 30.1     | 11.5     | 406      | 3.24        | 7.1      | 1.1     | 3.2      | 9.3      | 32       | 0.049    |
| 11NG0646  | Skookum East | 627650 | 6990330 | 6156 | 1.0      | 10.6     | 11.5     | 45       | 0.05     | 14.7     | 6.1      | 203      | 2.41        | 7.8      | 0.6     | 1.9      | 3.2      | 14       | 0.049    |
| 11NG0645  | Skookum East | 627650 | 6990380 | 6155 | 1.1      | 32.6     | 16.5     | 85       | 0.05     | 24.1     | 17.3     | 612      | 4.85        | 3.7      | 0.5     | 2.4      | 4.7      | 15       | 0.1      |
| 11NG0644  | Skookum East | 627650 | 6990430 | 6154 | 0.5      | 14.7     | 7.5      | 124      | 0.05     | 25.0     | 15.7     | 608      | 5.73        | 3.8      | 0.4     | 1.1      | 4.3      | 18       | 0.049    |
| 11NG0643  | Skookum East | 627650 | 6990480 | 6153 | 0.9      | 14.6     | 14.6     | 206      | 0.05     | 15.6     | 16.1     | 967      | 6.37        | 5.5      | 0.4     | 1        | 3.9      | 15       | 0.1      |
| 11NG0642  | Skookum East | 627248 | 6988872 | 6152 | 1.9      | 30.1     | 18.7     | 74       | 0.10     | 18.1     | 6.5      | 207      | 2.62        | 10.8     | 0.7     | 2.7      | 2.3      | 15       | 0.2      |
| 11NG0640  | Skookum East | 627650 | 6990530 | 6150 | 1.0      | 24.3     | 8.6      | 93       | 0.05     | 32.7     | 16.2     | 584      | 4.81        | 6.4      | 0.4     | 1.5      | 2        | 22       | 0.1      |
| 11NG0639  | Skookum East | 627248 | 6988572 | 6149 | 0.9      | 35.6     | 15.9     | 105      | 0.10     | 12.3     | 14.5     | 597      | 4.61        | 4.3      | 0.7     | 2.3      | 3.8      | 18       | 0.049    |
| 11NG0638  | Skookum East | 627249 | 6988622 | 6148 | 0.9      | 74.0     | 7.0      | 96       | 0.30     | 13.0     | 20.2     | 365      | 5.26        | 16.4     | 0.4     | 1        | 2        | 13       | 0.1      |
| 11NG0637  | Skookum East | 627249 | 6988672 | 6147 | 1.0      | 81.7     | 20.9     | 123      | 0.50     | 20.6     | 12.9     | 615      | 3.53        | 3.8      | 0.5     | 1.8      | 3.5      | 14       | 0.2      |
| 11NG0636  | Skookum East | 627249 | 6988722 | 6146 | 1.8      | 22.4     | 21.3     | 121      | 0.05     | 22.7     | 12.1     | 700      | 4.17        | 11.4     | 0.6     | 1.6      | 3.8      | 14       | 0.3      |
| 11NG0635  | Skookum East | 627249 | 6988772 | 6145 | 1.5      | 35.8     | 13.8     | 98       | 0.20     | 26.3     | 14.1     | 358      | 3.9         | 9.3      | 0.9     | 2.6      | 7.4      | 18       | 0.1      |
| 11NG0634  | Skookum East | 627249 | 6988822 | 6144 | 2.1      | 24.7     | 11.9     | 70       | 0.50     | 21.9     | 8.9      | 284      | 3.85        | 13.4     | 0.8     | 2.6      | 5.9      | 20       | 0.2      |
| 11NG0633  | Skookum East | 627249 | 6988922 | 6143 | 1.7      | 26.6     | 14.3     | 61       | 0.20     | 17.1     | 7.2      | 239      | 2.62        | 7.9      | 1       | 2.1      | 3.1      | 18       | 0.2      |
| 11NG0632  | Skookum East | 627249 | 6988973 | 6142 | 2.4      | 39.0     | 14.9     | 98       | 0.10     | 12.1     | 5.8      | 240      | 2.75        | 21.8     | 0.7     | 1.9      | 2.7      | 14       | 0.2      |
| 11NG0631  | Skookum East | 627249 | 6989022 | 6141 | 2.5      | 69.1     | 12.2     | 87       | 0.10     | 18.5     | 8.3      | 300      | 3.07        | 40.1     | 1.1     | 4.8      | 6.6      | 23       | 0.2      |
| 11NG0630  | Skookum East | 627249 | 6989072 | 6140 | 4.0      | 242.5    | 17.7     | 156      | 0.20     | 16.2     | 7        | 192      | 3.47        | 11.6     | 1.2     | 3.6      | 6.8      | 27       | 0.2      |
| 11NG0629  | Skookum East | 627249 | 6989122 | 6139 | 1.0      | 42.3     | 11.7     | 55       | 0.30     | 12.3     | 3.6      | 137      | 1.44        | 2.4      | 0.6     | 2        | 1.1      | 24       | 0.2      |
| 11NG0628  | Skookum East | 627249 | 6989172 | 6138 | 5.1      | 54.2     | 12.5     | 68       | 0.60     | 17.4     | 10.4     | 642      | 2.35        | 17.4     | 1.5     | 45.9     | 2.3      | 41       | 0.2      |
| 11NG0627  | Skookum East | 627249 | 6989222 | 6137 | 2.0      | 34.7     | 9.7      | 74       | 0.20     | 12.6     | 8.4      | 286      | 2.53        | 7.8      | 1       | 4.2      | 3        | 32       | 0.049    |
| 11NG0626  | Skookum East | 627249 | 6989272 | 6136 | 1.2      | 23.6     | 10.0     | 61       | 0.10     | 11.3     | 6.3      | 170      | 1.92        | 3.9      | 1       | 5.1      | 2.4      | 24       | 0.1      |
| 11NG0625  | Skookum East | 627250 | 6989322 | 6135 | 2.0      | 15.3     | 11.0     | 62       | 0.05     | 12.6     | 15.9     | 730      | 2.84        | 6.6      | 0.9     | 3.6      | 6.4      | 20       | 0.1      |
| 11NG0624  | Skookum East | 627250 | 6989372 | 6134 | 4.3      | 27.2     | 41.7     | 71       | 0.60     | 19.0     | 7.5      | 286      | 3.14        | 7.1      | 3.5     | 6.6      | 3.8      | 49       | 0.1      |
| 11NG0623  | Skookum East | 627249 | 6989422 | 6133 | 2.0      | 12.6     | 12.6     | 40       | 0.10     | 10.9     | 10.3     | 752      | 2.6         | 6.7      | 0.4     | 9.6      | 4.7      | 16       | 0.1      |
| 11NG0622  | Skookum East | 627250 | 6989472 | 6132 | 1.2      | 24.5     | 14.2     | 60       | 0.05     | 31.2     | 11       | 389      | 3.1         | 8.5      | 0.8     | 16.1     | 9.4      | 31       | 0.049    |
| 11NG0620  | Skookum East | 627250 | 6989522 | 6130 | 1.3      | 17.7     | 10.9     | 58       | 0.05     | 18.7     | 8.5      | 482      | 2.76        | 7.5      | 0.6     | 33.8     | 5.7      | 17       | 0.1      |
| 11NG0619  | Skookum East | 627250 | 6989575 | 6129 | 1.2      | 17.8     | 15.4     | 56       | 0.05     | 17.0     | 7.3      | 235      | 3.02        | 7.2      | 0.7     | 15.7     | 7.2      | 17       | 0.049    |
| 11NG0618  | Skookum East | 627250 | 6989622 | 6128 | 1.3      | 23.4     | 9.7      | 51       | 0.10     | 14.2     | 9.5      | 420      | 2.37        | 3.5      | 1.1     | 2.5      | 3.4      | 48       | 0.049    |
| 11NG0617  | Skookum East | 627250 | 6989672 | 6127 | 1.3      | 37.8     | 7.7      | 66       | 0.20     | 25.7     | 17.1     | 739      | 3.54        | 3.8      | 2.5     | 23.6     | 9.1      | 42       | 0.049    |
| 11NG0615  | Skookum East | 627250 | 6989772 | 6126 | 3.8      | 16.8     | 7.4      | 65       | 0.10     | 11.8     | 8.7      | 476      | 2.71        | 3.1      | 2.8     | 1.5      | 5.6      | 52       | 0.1      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0614  | Skookum East | 627250 | 6989822 | 6125 | 3.5      | 20.4     | 8.5      | 64       | 0.10     | 13.5     | 9.1      | 391      | 2.5         | 2.9      | 1.4     | 1.6      | 3.9      | 60       | 0.049    |
| 11NG0613  | Skookum East | 627250 | 6989872 | 6124 | 1.9      | 23.8     | 11.7     | 64       | 0.10     | 53.9     | 13.4     | 429      | 3.05        | 4.8      | 0.6     | 0.9      | 5        | 23       | 0.049    |
| 11NG0612  | Skookum East | 627250 | 6989922 | 6123 | 1.0      | 20.0     | 7.6      | 78       | 0.05     | 11.8     | 7.6      | 360      | 3.35        | 4.5      | 0.7     | 3.9      | 8        | 31       | 0.049    |
| 11NG0611  | Skookum East | 627250 | 6989972 | 6122 | 0.6      | 36.2     | 3.4      | 63       | 0.05     | 13.2     | 12.8     | 414      | 2.86        | 1.3      | 0.5     | 1.6      | 3.9      | 34       | 0.049    |
| 11NG0610  | Skookum East | 627250 | 6990022 | 6121 | 0.8      | 26.0     | 5.6      | 75       | 0.05     | 16.6     | 12       | 428      | 3.2         | 3        | 0.6     | 2.7      | 3.9      | 38       | 0.049    |
| 11NG0609  | Skookum East | 627250 | 6990072 | 6120 | 0.9      | 20.5     | 6.5      | 65       | 0.05     | 11.5     | 7.3      | 184      | 2.69        | 3.3      | 0.6     | 7.5      | 3.2      | 26       | 0.1      |
| 11NG0608  | Skookum East | 627250 | 6990122 | 6119 | 1.4      | 15.7     | 6.9      | 61       | 0.20     | 15.4     | 12.4     | 544      | 2.8         | 3.2      | 1       | 5.1      | 4        | 34       | 0.049    |
| 11NG0607  | Skookum East | 627250 | 6990172 | 6118 | 1.6      | 23.2     | 10.2     | 70       | 0.30     | 20.4     | 10       | 582      | 3.13        | 3.6      | 1.1     | 3.1      | 5.5      | 32       | 0.2      |
| 11NG0606  | Skookum East | 627250 | 6990222 | 6117 | 1.5      | 25.2     | 10.4     | 71       | 0.05     | 11.3     | 7.7      | 317      | 3.36        | 3.6      | 0.5     | 2.2      | 6        | 17       | 0.049    |
| 11NG0605  | Skookum East | 627250 | 6990272 | 6116 | 1.2      | 44.7     | 7.7      | 89       | 0.05     | 120.1    | 21.1     | 480      | 4.42        | 2        | 1.1     | 0.249    | 13.2     | 70       | 0.049    |
| 11NG0604  | Skookum East | 627250 | 6990322 | 6115 | 0.8      | 19.9     | 10.3     | 56       | 0.05     | 9.7      | 6.6      | 153      | 2.74        | 4.1      | 0.5     | 0.249    | 8        | 15       | 0.049    |
| 11NG0603  | Skookum East | 627250 | 6990372 | 6114 | 1.2      | 21.1     | 10.7     | 54       | 0.05     | 23.1     | 10.9     | 281      | 3.27        | 9.1      | 0.6     | 0.249    | 5.2      | 10       | 0.1      |
| 11NG0602  | Skookum East | 627250 | 6990422 | 6113 | 1.1      | 19.5     | 5.6      | 95       | 0.05     | 12.5     | 11.8     | 468      | 4.21        | 4.1      | 0.3     | 0.249    | 6.1      | 7        | 0.049    |
| 11NG0600  | Skookum East | 627250 | 6990472 | 6111 | 0.9      | 11.0     | 8.4      | 61       | 0.05     | 14.3     | 8.3      | 228      | 3.35        | 5.8      | 0.3     | 0.249    | 5.8      | 8        | 0.049    |
| 11NG0599  | Skookum East | 627250 | 6990522 | 6110 | 1.5      | 25.6     | 8.8      | 64       | 0.05     | 20.1     | 9.2      | 277      | 3.33        | 5.2      | 0.7     | 0.7      | 3.4      | 23       | 0.049    |
| 11NG0598  | Skookum East | 626848 | 6988564 | 6109 | 0.7      | 9.8      | 9.5      | 41       | 0.30     | 8.3      | 4.4      | 125      | 2.09        | 3.6      | 0.3     | 0.249    | 1.3      | 24       | 0.2      |
| 11NG0597  | Skookum East | 626849 | 6988664 | 6108 | 0.9      | 25.5     | 9.1      | 59       | 0.30     | 9.0      | 9.2      | 150      | 3.26        | 3.3      | 0.4     | 2.2      | 1.5      | 21       | 0.049    |
| 11NG0596  | Skookum East | 626849 | 6988764 | 6107 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11NG0595  | Skookum East | 626849 | 6988864 | 6106 | 1.1      | 18.2     | 11.7     | 65       | 0.20     | 10.9     | 8.7      | 292      | 2.39        | 5.7      | 0.6     | 2.1      | 2.2      | 18       | 0.2      |
| 11NG0594  | Skookum East | 626849 | 6988964 | 6105 | 2.6      | 58.9     | 23.8     | 105      | 1.00     | 18.8     | 10.6     | 535      | 2.69        | 8.3      | 2.2     | 1.9      | 2.8      | 39       | 0.7      |
| 11NG0593  | Skookum East | 626849 | 6989064 | 6104 | 1.1      | 21.2     | 10.7     | 69       | 0.30     | 10.2     | 5.8      | 344      | 2.23        | 6.9      | 0.5     | 9.6      | 2.6      | 14       | 0.2      |
| 11NG0592  | Skookum East | 626849 | 6989164 | 6103 | 1.1      | 22.8     | 9.3      | 83       | 0.10     | 11.8     | 8.5      | 395      | 2.53        | 4.9      | 4       | 152      | 4.3      | 28       | 0.2      |
| 11NG0591  | Skookum East | 626850 | 6989264 | 6102 | 1.3      | 18.3     | 11.3     | 51       | 0.10     | 11.4     | 6.5      | 205      | 1.99        | 6.9      | 0.9     | 1.7      | 1        | 15       | 0.2      |
| 11NG0590  | Skookum East | 626849 | 6989364 | 6101 | 1.8      | 76.9     | 14.5     | 72       | 0.20     | 16.8     | 8.2      | 179      | 2.45        | 7.8      | 1.7     | 11.6     | 6        | 32       | 0.2      |
| 11NG0589  | Skookum East | 626849 | 6989464 | 6100 | 0.7      | 29.7     | 9.5      | 57       | 0.10     | 69.3     | 15       | 378      | 2.82        | 3.4      | 1.3     | 6        | 7.6      | 81       | 0.2      |
| 11NG0588  | Skookum East | 626850 | 6989564 | 6099 | 1.7      | 12.2     | 11.8     | 41       | 0.05     | 13.9     | 5.3      | 466      | 2.3         | 3.9      | 1.5     | 11.1     | 6.7      | 17       | 0.3      |
| 11NG0587  | Skookum East | 626849 | 6989664 | 6098 | 0.7      | 47.1     | 3.7      | 49       | 0.05     | 19.3     | 11.4     | 408      | 2.92        | 2.3      | 0.4     | 4.3      | 1.2      | 31       | 0.049    |
| 11NG0586  | Skookum East | 626849 | 6989764 | 6097 | 0.7      | 16.3     | 5.6      | 60       | 0.05     | 11.5     | 9        | 344      | 2.81        | 3.4      | 0.8     | 3.1      | 3.7      | 22       | 0.049    |
| 11NG0585  | Skookum East | 626850 | 6989864 | 6096 | 0.4      | 34.4     | 4.4      | 32       | 0.05     | 13.2     | 10.4     | 192      | 1.76        | 2.5      | 0.2     | 1.1      | 1        | 12       | 0.049    |
| 11NG0584  | Skookum East | 626850 | 6989964 | 6095 | 0.5      | 31.2     | 4.9      | 34       | 0.05     | 16.9     | 9        | 191      | 2.06        | 4.2      | 0.2     | 2        | 1.3      | 51       | 0.049    |
| 11NG0583  | Skookum East | 626850 | 6990064 | 6094 | 0.7      | 44.4     | 5.4      | 61       | 0.05     | 17.6     | 15.1     | 478      | 3.6         | 2.4      | 0.4     | 0.6      | 3.9      | 18       | 0.049    |
| 11NG0582  | Skookum East | 626850 | 6990164 | 6093 | 0.8      | 42.8     | 5.4      | 78       | 0.05     | 24.3     | 15.5     | 686      | 3.9         | 3.1      | 1.5     | 2.5      | 6        | 29       | 0.049    |
| 11NG0580  | Skookum East | 626850 | 6990264 | 6091 | 0.3      | 35.8     | 4.2      | 90       | 0.05     | 4.4      | 9.5      | 550      | 3.76        | 1.3      | 0.8     | 0.5      | 12.7     | 9        | 0.049    |
| 11NG0579  | Skookum East | 626850 | 6990364 | 6090 | 0.6      | 20.7     | 7.2      | 68       | 0.05     | 16.7     | 9.1      | 344      | 2.97        | 7.4      | 0.7     | 0.5      | 6.2      | 8        | 0.049    |
| 11NG0578  | Skookum East | 626851 | 6990464 | 6089 | 0.8      | 23.4     | 5.6      | 75       | 0.05     | 14.1     | 11.4     | 426      | 3.43        | 4.6      | 0.6     | 0.6      | 4        | 8        | 0.049    |
| 11NG0577  | Skookum East | 626551 | 6990508 | 6088 | 1.5      | 22.9     | 6.9      | 82       | 0.05     | 17.8     | 8.9      | 334      | 3.19        | 6.2      | 0.5     | 1.8      | 4        | 12       | 0.049    |
| 11NG0576  | Skookum East | 626550 | 6990408 | 6087 | 1.8      | 30.4     | 7.5      | 60       | 0.05     | 22.7     | 9.6      | 344      | 3.06        | 5.8      | 0.8     | 3        | 5.8      | 20       | 0.049    |
| 11NG0575  | Skookum East | 626550 | 6990308 | 6086 | 0.8      | 21.7     | 8.1      | 49       | 0.05     | 21.6     | 9.4      | 323      | 2.61        | 7.9      | 0.7     | 6.4      | 3.1      | 13       | 0.1      |
| 11NG0574  | Skookum East | 626550 | 6990208 | 6085 | 2.2      | 18.0     | 7.2      | 50       | 0.05     | 9.6      | 4.8      | 155      | 2.36        | 4.9      | 0.5     | 3.4      | 5.9      | 16       | 0.1      |
| 11NG0573  | Skookum East | 626550 | 6990108 | 6084 | 1.0      | 21.4     | 7.4      | 51       | 0.05     | 19.7     | 11.3     | 288      | 2.75        | 9.4      | 0.2     | 0.249    | 1.1      | 11       | 0.049    |
| 11NG0572  | Skookum East | 626550 | 6990008 | 6083 | 0.9      | 18.8     | 8.2      | 51       | 0.10     | 20.8     | 8.3      | 400      | 2.95        | 6.3      | 0.5     | 1.1      | 4        | 21       | 0.1      |
| 11NG0571  | Skookum East | 626550 | 6989908 | 6082 | 1.4      | 16.9     | 8.6      | 54       | 0.10     | 19.2     | 7.5      | 281      | 3.19        | 7.2      | 0.6     | 10.9     | 4.9      | 16       | 0.049    |
| 11NG0570  | Skookum East | 626549 | 6989808 | 6081 | 1.1      | 13.0     | 7.1      | 61       | 0.05     | 8.9      | 5        | 363      | 2.28        | 2        | 0.7     | 3        | 6.4      | 24       | 0.049    |
| 11NG0569  | Skookum East | 626550 | 6989708 | 6080 | 0.9      | 20.4     | 7.3      | 48       | 0.10     | 16.2     | 9.2      | 351      | 2.12        | 6.1      | 0.9     | 34.3     | 3.8      | 22       | 0.049    |
| 11NG0568  | Skookum East | 626550 | 6989608 | 6079 | 0.3      | 30.1     | 3.3      | 52       | 0.05     | 8.5      | 12.3     | 390      | 2.61        | 2.1      | 0.5     | 1.9      | 3.1      | 15       | 0.049    |
| 11NG0567  | Skookum East | 626549 | 6989508 | 6078 | 1.3      | 27.0     | 9.2      | 60       | 0.20     | 22.7     | 7.7      | 529      | 2.77        | 6        | 1.1     | 10.8     | 4.8      | 23       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|
| 11NG0566  | Skookum East | 626549 | 6989408 | 6077 | 0.8      | 18.1     | 10.7     | 52       | 0.05     | 24.1     | 10.9     | 284      | 2.87     | 8        | 0.5     | 12.8     | 7        | 18       | 0.049    |
| 11NG0565  | Skookum East | 626549 | 6989308 | 6076 | 1.0      | 19.8     | 8.7      | 58       | 0.05     | 12.7     | 9.5      | 325      | 3.01     | 5.4      | 0.7     | 9.8      | 6.6      | 22       | 0.049    |
| 11NG0564  | Skookum East | 626549 | 6989208 | 6075 | 0.5      | 43.2     | 11.2     | 90       | 0.20     | 13.6     | 14.4     | 392      | 4.33     | 3.6      | 0.6     | 2.3      | 3.3      | 38       | 0.049    |
| 11NG0563  | Skookum East | 626549 | 6989108 | 6074 | 0.6      | 39.2     | 7.5      | 110      | 0.05     | 7.7      | 17.6     | 354      | 4.87     | 1.5      | 0.6     | 2.2      | 4.5      | 21       | 0.049    |
| 11NG0562  | Skookum East | 626549 | 6989008 | 6073 | 1.1      | 17.0     | 7.1      | 55       | 0.70     | 10.3     | 8.1      | 193      | 2.88     | 5.8      | 0.8     | 25.5     | 2.4      | 36       | 0.1      |
| 11NG0560  | Skookum East | 626549 | 6988958 | 6071 | 0.8      | 20.6     | 7.7      | 60       | 0.30     | 14.4     | 8.6      | 213      | 2.82     | 4.5      | 0.9     | 6.8      | 2.5      | 21       | 0.2      |
| 11NG0559  | Skookum East | 626549 | 6988858 | 6070 | 0.8      | 16.5     | 7.3      | 100      | 0.10     | 11.3     | 14.1     | 394      | 3.85     | 3.4      | 0.4     | 51.8     | 1.9      | 21       | 0.049    |
| 11NG0558  | Skookum East | 626549 | 6988758 | 6069 | 0.7      | 23.3     | 7.6      | 80       | 0.30     | 18.6     | 15.2     | 444      | 3.79     | 4.7      | 0.3     | 1.6      | 1.3      | 17       | 0.049    |
| 11NG0557  | Skookum East | 626548 | 6988658 | 6068 | 0.8      | 16.8     | 7.6      | 74       | 0.05     | 10.9     | 8.7      | 538      | 2.77     | 2.1      | 0.7     | 1.7      | 5        | 16       | 0.2      |
| 11NG0556  | Skookum East | 626541 | 6988553 | 6067 | 0.9      | 18.2     | 9.1      | 64       | 0.70     | 11.4     | 7.2      | 234      | 2.43     | 2.8      | 1       | 8.8      | 2.8      | 28       | 0.1      |
| 11NG0555  | Skookum East | 626349 | 6988554 | 6066 | 0.8      | 12.0     | 4.8      | 83       | 0.05     | 10.8     | 9.5      | 635      | 3.58     | 2.5      | 0.7     | 1.3      | 6.2      | 14       | 0.049    |
| 11NG0554  | Skookum East | 626348 | 6988654 | 6065 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     |
| 11NG0553  | Skookum East | 626349 | 6988754 | 6064 | 0.5      | 9.1      | 5.5      | 94       | 0.05     | 8.9      | 9.7      | 496      | 3.69     | 3        | 0.5     | 2        | 4        | 9        | 0.049    |
| 11NG0552  | Skookum East | 626349 | 6988854 | 6063 | 0.7      | 22.8     | 8.5      | 87       | 0.20     | 26.3     | 20.7     | 289      | 4.27     | 4.7      | 0.6     | 1.9      | 4        | 32       | 0.049    |
| 11NG0551  | Skookum East | 626349 | 6988954 | 6062 | 1.0      | 14.6     | 9.3      | 83       | 0.10     | 15.5     | 9.5      | 394      | 3.67     | 5.6      | 0.7     | 7        | 2.7      | 21       | 0.049    |
| 11NG0550  | Skookum East | 626349 | 6989054 | 6061 | 0.7      | 13.9     | 5.3      | 61       | 0.10     | 12.0     | 8.3      | 480      | 2.62     | 3        | 0.4     | 1.3      | 3        | 11       | 0.049    |
| 11NG0549  | Skookum East | 626349 | 6989154 | 6060 | 0.5      | 21.2     | 6.7      | 100      | 0.30     | 12.9     | 14.9     | 367      | 3.66     | 3.2      | 0.4     | 9.9      | 2.1      | 34       | 0.049    |
| 11NG0548  | Skookum East | 626349 | 6989254 | 6059 | 3.1      | 50.9     | 14.6     | 103      | 0.10     | 18.9     | 13.4     | 630      | 3.78     | 5.9      | 0.8     | 2.8      | 3.9      | 22       | 0.1      |
| 11NG0547  | Skookum East | 626350 | 6989354 | 6058 | 3.2      | 11.9     | 15.2     | 63       | 0.05     | 10.2     | 7.2      | 270      | 3.43     | 3.7      | 1       | 2.8      | 8.2      | 9        | 0.049    |
| 11NG0546  | Skookum East | 626349 | 6989454 | 6057 | 1.2      | 17.7     | 9.3      | 52       | 0.05     | 14.3     | 6.2      | 265      | 2.88     | 3.3      | 1       | 4.3      | 16.8     | 16       | 0.049    |
| 11NG0545  | Skookum East | 626350 | 6989554 | 6056 | 0.9      | 19.7     | 10.2     | 52       | 0.05     | 24.1     | 10       | 287      | 2.84     | 6.3      | 0.8     | 14       | 9.4      | 20       | 0.049    |
| 11NG0544  | Skookum East | 626350 | 6989654 | 6055 | 0.9      | 22.7     | 9.9      | 53       | 0.05     | 24.8     | 9.2      | 405      | 2.82     | 7        | 1       | 6.5      | 10.9     | 24       | 0.049    |
| 11NG0543  | Skookum East | 626349 | 6989754 | 6054 | 1.0      | 23.1     | 9.8      | 54       | 0.10     | 19.1     | 8.4      | 384      | 2.67     | 8.1      | 0.9     | 13       | 6.2      | 26       | 0.049    |
| 11NG0542  | Skookum East | 626350 | 6989854 | 6053 | 1.6      | 13.3     | 11.4     | 51       | 0.20     | 16.0     | 7.3      | 460      | 2.66     | 6.5      | 0.7     | 6.7      | 4.1      | 16       | 0.049    |
| 11NG0540  | Skookum East | 626350 | 6989954 | 6051 | 0.8      | 23.8     | 8.7      | 58       | 0.05     | 24.4     | 10       | 406      | 2.98     | 6.8      | 0.8     | 6        | 7.4      | 27       | 0.049    |
| 11NG0539  | Skookum East | 626350 | 6990050 | 6050 | 0.8      | 34.3     | 11.6     | 66       | 0.05     | 104.3    | 19.3     | 576      | 4.15     | 5.5      | 1.2     | 4.3      | 12.8     | 75       | 0.049    |
| 11NG0538  | Skookum East | 626350 | 6990154 | 6049 | 0.2      | 7.6      | 6.0      | 35       | 0.05     | 3.6      | 3.3      | 342      | 1.51     | 0.9      | 0.6     | 2.5      | 15.8     | 30       | 0.049    |
| 11NG0537  | Skookum East | 626350 | 6990254 | 6048 | 2.1      | 10.7     | 7.8      | 48       | 0.05     | 14.9     | 7.5      | 337      | 2.65     | 4.3      | 0.7     | 78.5     | 6.1      | 13       | 0.1      |
| 11NG0536  | Skookum East | 626350 | 6990350 | 6047 | 2.9      | 26.5     | 9.2      | 63       | 0.05     | 17.3     | 10.2     | 318      | 3.16     | 6        | 0.8     | 52.7     | 8.5      | 17       | 0.049    |
| 11NG0535  | Skookum East | 626351 | 6990454 | 6046 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     |
| 11NG0534  | Skookum East | 626050 | 6989450 | 6045 | 1.0      | 18.7     | 8.5      | 51       | 0.05     | 26.4     | 10.1     | 321      | 3.29     | 4.6      | 0.7     | 2.8      | 7.8      | 23       | 0.049    |
| 11NG0533  | Skookum East | 626050 | 6989350 | 6044 | 1.1      | 18.8     | 11.1     | 50       | 0.10     | 43.0     | 11       | 307      | 3.53     | 9.8      | 0.7     | 6.9      | 7.4      | 20       | 0.1      |
| 11NG0532  | Skookum East | 626050 | 6989250 | 6043 | 1.0      | 19.8     | 10.1     | 84       | 0.10     | 16.9     | 11.6     | 539      | 3.45     | 6.4      | 0.5     | 4.3      | 4.1      | 12       | 0.2      |
| 11NG0531  | Skookum East | 626050 | 6989150 | 6042 | 0.7      | 60.9     | 8.3      | 87       | 0.05     | 15.7     | 17.9     | 267      | 4.84     | 4.2      | 0.4     | 5.1      | 3.9      | 11       | 0.049    |
| 11NG0530  | Skookum East | 626050 | 6989050 | 6041 | 0.6      | 25.8     | 7.4      | 55       | 0.10     | 21.7     | 11.6     | 247      | 3.02     | 6        | 0.5     | 6.7      | 2.1      | 16       | 0.049    |
| 11NG0529  | Skookum East | 626050 | 6988950 | 6040 | 0.9      | 18.2     | 8.9      | 55       | 0.20     | 23.0     | 9.8      | 247      | 3.12     | 9.6      | 0.6     | 0.5      | 4.6      | 18       | 0.049    |
| 11NG0528  | Skookum East | 626050 | 6988850 | 6039 | 1.0      | 15.3     | 8.6      | 75       | 0.05     | 17.1     | 10.8     | 454      | 3.74     | 7.1      | 0.5     | 2.4      | 4.2      | 15       | 0.049    |
| 11NG0527  | Skookum East | 626050 | 6988750 | 6038 | 0.8      | 16.3     | 7.1      | 61       | 0.05     | 17.2     | 9.1      | 355      | 2.97     | 5.8      | 0.7     | 2.2      | 5.3      | 22       | 0.1      |
| 11NG0526  | Skookum East | 626050 | 6988650 | 6037 | 1.0      | 18.6     | 8.5      | 71       | 0.05     | 17.9     | 8.3      | 469      | 3.51     | 7.5      | 0.6     | 7.1      | 4.1      | 18       | 0.049    |
| 11NG0525  | Skookum East | 625950 | 6988600 | 6036 | 0.9      | 20.6     | 15.2     | 93       | 0.10     | 18.3     | 11.9     | 517      | 3.75     | 7.7      | 0.3     | 1.2      | 1.7      | 15       | 0.2      |
| 11NG0524  | Skookum East | 625950 | 6988700 | 6035 | 0.8      | 38.0     | 18.8     | 118      | 0.10     | 19.5     | 18.5     | 960      | 4.3      | 4.4      | 0.3     | 0.249    | 1.9      | 17       | 0.2      |
| 11NG0523  | Skookum East | 625950 | 6988800 | 6034 | 0.9      | 16.5     | 8.5      | 65       | 0.05     | 15.8     | 8.7      | 459      | 3.09     | 7.4      | 0.7     | 0.8      | 3.7      | 17       | 0.049    |
| 11NG0522  | Skookum East | 625950 | 6988900 | 6033 | 1.6      | 26.7     | 9.8      | 78       | 0.05     | 41.3     | 13.8     | 612      | 4.09     | 7        | 1.1     | 0.8      | 5.5      | 22       | 0.1      |
| 11NG0520  | Skookum East | 625950 | 6989000 | 6031 | 0.8      | 22.3     | 11.5     | 67       | 0.05     | 15.4     | 8.9      | 655      | 3.29     | 5.5      | 1       | 1.2      | 5.6      | 22       | 0.049    |
| 11NG0519  | Skookum East | 625950 | 6989100 | 6030 | 0.6      | 38.6     | 11.2     | 73       | 0.05     | 36.2     | 19       | 701      | 3.73     | 5        | 0.6     | 2.7      | 2.8      | 35       | 0.1      |
| 11NG0518  | Skookum East | 625950 | 6989200 | 6029 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0517  | Skookum East | 625950 | 6989300 | 6028 | 1.5      | 40.1     | 17.8     | 52       | 0.05     | 31.3     | 9.3      | 232      | 3.16        | 6.8      | 0.8     | 5        | 7.9      | 19       | 0.1      |
| 11NG0516  | Skookum East | 625950 | 6989400 | 6027 | 0.9      | 21.8     | 10.9     | 52       | 0.05     | 19.0     | 9.4      | 348      | 2.75        | 6.1      | 1.1     | 5.8      | 11.4     | 33       | 0.049    |
| 11NG0515  | Skookum East | 625950 | 6989500 | 6026 | 2.2      | 30.3     | 12.3     | 58       | 0.05     | 17.1     | 10.1     | 349      | 3.46        | 4.5      | 0.9     | 6.5      | 9.6      | 21       | 0.049    |
| 11NG0396  | Gertie       | 624372 | 6988012 | 4880 | 2.2      | 17.3     | 15.5     | 62       | 0.10     | 9.4      | 8.5      | 402      | 3.25        | 7.8      | 1.1     | 0.249    | 6.9      | 14       | 0.049    |
| 11NG0395  | Gertie       | 624373 | 6987971 | 4879 | 1.3      | 9.7      | 6.5      | 91       | 0.05     | 7.8      | 7.6      | 511      | 2.97        | 9        | 1       | 0.249    | 7.5      | 15       | 0.049    |
| 11NG0394  | Gertie       | 624572 | 6987979 | 4878 | 1.9      | 23.0     | 11.2     | 100      | 0.05     | 12.2     | 9.4      | 659      | 3.79        | 4.8      | 1.6     | 0.249    | 9.3      | 30       | 0.049    |
| 11NG0393  | Gertie       | 624576 | 6987879 | 4877 | 4.0      | 13.7     | 12.0     | 39       | 0.10     | 4.5      | 3        | 192      | 3.06        | 42.2     | 2.5     | 3.1      | 13.1     | 50       | 0.049    |
| 11NG0392  | Gertie       | 624580 | 6987779 | 4876 | 2.5      | 21.8     | 30.3     | 57       | 0.10     | 8.5      | 5.5      | 144      | 2.94        | 7.5      | 1.8     | 2.8      | 12.6     | 54       | 0.049    |
| 11NG0391  | Gertie       | 624295 | 6987368 | 4875 | 0.6      | 31.3     | 5.7      | 73       | 0.05     | 19.2     | 12.9     | 578      | 3.23        | 5.4      | 0.6     | 4.8      | 3        | 56       | 0.2      |
| 11NG0390  | Gertie       | 624291 | 6987467 | 4874 | 1.0      | 13.1     | 6.2      | 90       | 0.05     | 17.1     | 12.2     | 472      | 2.95        | 4.3      | 0.3     | 0.249    | 2.6      | 16       | 0.049    |
| 11NG0389  | Gertie       | 624287 | 6987567 | 4873 | 0.9      | 40.0     | 5.1      | 63       | 0.05     | 17.5     | 13       | 419      | 3.82        | 4.7      | 0.6     | 2        | 3.3      | 11       | 0.049    |
| 11NG0388  | Gertie       | 624283 | 6987677 | 4872 | 1.4      | 11.3     | 11.1     | 81       | 0.10     | 13.8     | 9.6      | 580      | 2.95        | 3        | 1.3     | 2.2      | 16.4     | 26       | 0.049    |
| 11NG0387  | Gertie       | 624279 | 6987767 | 4871 | 2.1      | 25.8     | 41.5     | 93       | 0.20     | 14.2     | 7.1      | 292      | 2.73        | 11.5     | 4.4     | 4        | 11.4     | 39       | 0.1      |
| 11NG0386  | Gertie       | 624273 | 6987867 | 4870 | 3.4      | 7.4      | 54.7     | 71       | 0.40     | 8.4      | 3.5      | 168      | 4.58        | 109.2    | 2.4     | 1.8      | 13.6     | 58       | 0.1      |
| 11NG0385  | Gertie       | 624272 | 6987967 | 4869 | 2.7      | 4.8      | 21.8     | 114      | 0.05     | 5.0      | 3.8      | 106      | 6.2         | 52.3     | 3.4     | 1.3      | 17       | 161      | 0.049    |
| 11NG0384  | Gertie       | 624268 | 6988067 | 4868 | 2.6      | 14.2     | 14.6     | 48       | 0.05     | 8.3      | 6.2      | 200      | 2.92        | 4.8      | 1.7     | 0.249    | 11       | 33       | 0.049    |
| 11NG0383  | Gertie       | 624064 | 6988160 | 4867 | 2.0      | 15.0     | 7.9      | 67       | 0.10     | 13.6     | 9.5      | 343      | 2.81        | 5.3      | 0.8     | 1.2      | 3.2      | 22       | 0.049    |
| 11NG0382  | Gertie       | 624068 | 6988060 | 4866 | 2.4      | 14.2     | 18.9     | 85       | 0.60     | 21.2     | 8.7      | 451      | 3.15        | 10.9     | 1.5     | 2.2      | 7        | 37       | 0.049    |
| 11NG0380  | Gertie       | 624072 | 6987960 | 4864 | 5.3      | 5.5      | 110.9    | 106      | 0.20     | 9.5      | 9.8      | 128      | 4.6         | 25.2     | 3.3     | 1.7      | 18.9     | 79       | 0.049    |
| 11NG0379  | Gertie       | 624076 | 6987860 | 4863 | 1.9      | 35.6     | 42.5     | 210      | 0.20     | 25.0     | 22.4     | 574      | 4.55        | 10.5     | 2.5     | 2.7      | 9.1      | 41       | 0.3      |
| 11NG0378  | Gertie       | 624080 | 6987760 | 4862 | 2.5      | 22.3     | 25.6     | 77       | 0.20     | 13.3     | 9.1      | 422      | 2.66        | 7.5      | 2       | 4.2      | 10.5     | 16       | 0.049    |
| 11NG0377  | Gertie       | 624083 | 6987660 | 4861 | 1.0      | 25.1     | 16.6     | 71       | 0.10     | 20.5     | 10.4     | 410      | 2.83        | 9.1      | 1.8     | 4.8      | 14.2     | 26       | 0.1      |
| 11NG0376  | Gertie       | 624087 | 6987560 | 4860 | 0.6      | 25.1     | 5.5      | 63       | 0.05     | 11.4     | 12       | 797      | 3.44        | 3.6      | 0.8     | 0.249    | 3.3      | 16       | 0.049    |
| 11NG0375  | Gertie       | 624091 | 6987466 | 4859 | 0.5      | 62.2     | 4.4      | 44       | 0.05     | 23.6     | 23.9     | 223      | 3.55        | 3.3      | 0.4     | 1        | 2.9      | 17       | 0.049    |
| 11NG0374  | Gertie       | 624095 | 6987350 | 4858 | 0.9      | 44.2     | 8.2      | 81       | 0.30     | 25.6     | 13.2     | 585      | 3.22        | 15.7     | 0.6     | 4.3      | 3.7      | 50       | 0.1      |
| 11NG0373  | Gertie       | 624099 | 6987260 | 4857 | 1.5      | 15.4     | 10.0     | 55       | 0.20     | 12.4     | 10.1     | 378      | 2.86        | 9.4      | 1.1     | 0.249    | 7.7      | 19       | 0.049    |
| 11NG0372  | Gertie       | 624591 | 6987479 | 4856 | 1.3      | 24.4     | 10.9     | 63       | 0.05     | 21.8     | 11.9     | 453      | 3.17        | 7        | 1.2     | 2.4      | 14.6     | 22       | 0.049    |
| 11NG0371  | Gertie       | 624589 | 6987529 | 4855 | 0.3      | 52.9     | 2.8      | 76       | 0.10     | 15.1     | 22.8     | 1230     | 3.69        | 2.1      | 0.2     | 1.5      | 1.2      | 37       | 0.1      |
| 11NG0370  | Gertie       | 624587 | 6987579 | 4854 | 0.9      | 22.3     | 15.9     | 54       | 0.05     | 16.9     | 9.3      | 322      | 2.56        | 5.4      | 1.1     | 2.2      | 13.5     | 23       | 0.049    |
| 11NG0369  | Gertie       | 624585 | 6987629 | 4853 | 1.4      | 13.5     | 8.5      | 56       | 0.05     | 13.1     | 7.6      | 267      | 2.64        | 6.8      | 1.1     | 4.2      | 7.3      | 20       | 0.049    |
| 11NG0368  | Gertie       | 624583 | 6987679 | 4852 | 2.5      | 14.2     | 13.2     | 73       | 0.20     | 14.4     | 6.7      | 296      | 3.17        | 5.4      | 1.5     | 0.249    | 7.6      | 21       | 0.049    |
| 11NG0367  | Gertie       | 624681 | 6987733 | 4851 | 3.8      | 17.4     | 39.6     | 61       | 0.20     | 13.0     | 5.2      | 144      | 2.74        | 16       | 1.5     | 7.4      | 8        | 24       | 0.049    |
| 11NG0366  | Gertie       | 624679 | 6987783 | 4850 | 4.9      | 21.0     | 44.3     | 58       | 0.30     | 8.9      | 3.1      | 99       | 2.83        | 28.8     | 2.7     | 8.5      | 11.2     | 32       | 0.049    |
| 11NG0365  | Gertie       | 624677 | 6987833 | 4849 | 4.1      | 15.1     | 14.6     | 45       | 0.20     | 11.1     | 5.2      | 216      | 2.96        | 22.7     | 1.8     | 3.5      | 8.7      | 36       | 0.049    |
| 11NG0364  | Gertie       | 624675 | 6987882 | 4848 | 7.3      | 19.1     | 19.3     | 43       | 0.05     | 4.1      | 5        | 131      | 4.43        | 83.9     | 2.9     | 2.6      | 19.5     | 72       | 0.049    |
| 11NG0363  | Gertie       | 624673 | 6987932 | 4847 | 2.6      | 34.1     | 12.3     | 80       | 0.10     | 22.2     | 11.5     | 462      | 3.58        | 10.6     | 1.5     | 1.5      | 9.1      | 29       | 0.049    |
| 11NG0362  | Gertie       | 624671 | 6987982 | 4846 | 9.2      | 173.7    | 7.5      | 94       | 0.05     | 30.8     | 17.2     | 458      | 5.51        | 14       | 1.7     | 0.249    | 10       | 42       | 0.049    |
| 11NG0360  | Gertie       | 624670 | 6988032 | 4844 | 1.3      | 28.5     | 7.3      | 100      | 0.05     | 18.5     | 13.6     | 425      | 3.5         | 7.1      | 0.7     | 0.249    | 3.5      | 17       | 0.049    |
| 11NG0359  | Gertie       | 623491 | 6987437 | 4843 | 1.7      | 31.6     | 214.9    | 270      | 1.20     | 11.8     | 11       | 535      | 3.32        | 34.9     | 2.8     | 4.1      | 13.6     | 23       | 0.7      |
| 11NG0358  | Gertie       | 623489 | 6987487 | 4842 | 2.0      | 18.3     | 8.8      | 63       | 0.20     | 10.9     | 13.8     | 292      | 3.95        | 14       | 2.2     | 33.2     | 13.2     | 43       | 0.049    |
| 11NG0357  | Gertie       | 623487 | 6987537 | 4841 | 1.2      | 20.1     | 11.3     | 54       | 0.05     | 16.4     | 9.9      | 338      | 2.63        | 11.6     | 1       | 6.9      | 8.1      | 21       | 0.049    |
| 11NG0356  | Gertie       | 623486 | 6987587 | 4840 | 1.3      | 22.4     | 7.4      | 91       | 0.05     | 16.5     | 16.2     | 557      | 4.14        | 13.2     | 0.8     | 14.1     | 4.5      | 25       | 0.049    |
| 11NG0355  | Gertie       | 623484 | 6987637 | 4839 | 2.4      | 19.9     | 7.5      | 72       | 0.30     | 16.6     | 10.6     | 453      | 2.72        | 13.1     | 2.6     | 9.3      | 3.3      | 35       | 0.2      |
| 11NG0354  | Gertie       | 623482 | 6987687 | 4838 | 1.3      | 15.1     | 17.6     | 84       | 0.10     | 11.2     | 8.5      | 427      | 2.39        | 7.3      | 1.6     | 7.4      | 4.2      | 52       | 0.2      |
| 11NG0353  | Gertie       | 623480 | 6987737 | 4837 | 1.1      | 22.2     | 12.4     | 68       | 0.05     | 19.4     | 13.4     | 559      | 3.23        | 3.8      | 2.8     | 0.7      | 22.7     | 26       | 0.049    |
| 11NG0352  | Gertie       | 623478 | 6987787 | 4836 | 0.9      | 15.7     | 6.1      | 85       | 0.05     | 13.0     | 13       | 567      | 3.43        | 3.6      | 1.4     | 0.249    | 6.9      | 38       | 0.049    |

| Sample No | Area   | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0351  | Gertie | 623476 | 6987837 | 4835 | 0.5      | 15.4     | 6.0      | 77       | 0.05     | 8.3      | 13.1     | 577      | 3.33        | 1.7      | 1.3     | 1.3      | 7.8      | 24       | 0.049    |
| 11NG0350  | Gertie | 623474 | 6987887 | 4834 | 0.9      | 16.1     | 9.7      | 131      | 0.05     | 14.4     | 9        | 234      | 2.38        | 6.5      | 0.9     | 1.4      | 3.4      | 39       | 0.049    |
| 11NG0349  | Gertie | 623472 | 6987937 | 4833 | 1.7      | 31.7     | 48.2     | 95       | 0.20     | 8.1      | 6.6      | 312      | 2.75        | 7.9      | 2.9     | 1.7      | 9.9      | 51       | 0.1      |
| 11NG0348  | Gertie | 623470 | 6987987 | 4832 | 2.1      | 17.6     | 103.4    | 192      | 0.30     | 16.8     | 11.1     | 522      | 3.34        | 19.9     | 2.4     | 1        | 9        | 38       | 0.2      |
| 11NG0347  | Gertie | 623469 | 6988037 | 4831 | 3.0      | 27.6     | 158.1    | 127      | 0.90     | 14.1     | 5.2      | 243      | 3.63        | 14.5     | 4.3     | 4.8      | 13.3     | 77       | 0.2      |
| 11NG0346  | Gertie | 623467 | 6988087 | 4830 | 1.8      | 21.9     | 16.2     | 66       | 0.10     | 17.0     | 13.3     | 582      | 3.23        | 5.7      | 2.7     | 2.1      | 13.4     | 24       | 0.049    |
| 11NG0345  | Gertie | 623465 | 6988137 | 4829 | 1.9      | 18.3     | 13.3     | 125      | 0.10     | 9.8      | 20.1     | 775      | 4.63        | 4.4      | 2.4     | 0.249    | 6        | 27       | 0.049    |
| 11NG0344  | Gertie | 623463 | 6988187 | 4828 | 2.5      | 14.4     | 15.0     | 86       | 0.05     | 16.5     | 9.5      | 422      | 2.71        | 14       | 1.3     | 0.249    | 11.8     | 30       | 0.049    |
| 11NG0343  | Gertie | 623461 | 6988237 | 4827 | 2.2      | 14.3     | 8.8      | 57       | 0.05     | 15.2     | 8.5      | 389      | 2.66        | 7.2      | 0.8     | 0.249    | 5.3      | 20       | 0.049    |
| 11NG0342  | Gertie | 623459 | 6988287 | 4826 | 1.6      | 9.7      | 7.0      | 57       | 0.05     | 13.7     | 10.6     | 373      | 2.48        | 3.4      | 0.6     | 0.249    | 2.4      | 20       | 0.049    |
| 11NG0340  | Gertie | 623293 | 6987379 | 4824 | 1.8      | 27.3     | 11.5     | 78       | 0.10     | 21.9     | 10.3     | 348      | 2.7         | 7.8      | 1.6     | 11.5     | 6.4      | 36       | 0.1      |
| 11NG0339  | Gertie | 623291 | 6987429 | 4823 | 1.8      | 24.6     | 14.6     | 72       | 0.05     | 23.1     | 11.7     | 367      | 2.78        | 9.4      | 1.8     | 13.5     | 7.3      | 37       | 0.1      |
| 11NG0338  | Gertie | 623289 | 6987479 | 4822 | 1.9      | 14.5     | 29.3     | 119      | 0.10     | 13.0     | 12.3     | 1186     | 3.66        | 13.1     | 3.5     | 2.1      | 6.7      | 84       | 0.3      |
| 11NG0337  | Gertie | 623288 | 6987529 | 4821 | 1.7      | 17.0     | 7.2      | 88       | 0.05     | 24.1     | 16.8     | 569      | 3.49        | 6.8      | 4.5     | 1.6      | 8.1      | 66       | 0.049    |
| 11NG0336  | Gertie | 623286 | 6987579 | 4820 | 2.0      | 21.7     | 20.9     | 57       | 0.05     | 23.5     | 10.6     | 406      | 2.77        | 7        | 4       | 0.7      | 30.5     | 29       | 0.049    |
| 11NG0335  | Gertie | 623284 | 6987629 | 4819 | 1.9      | 60.2     | 8.2      | 82       | 0.20     | 39.9     | 22.7     | 568      | 4.74        | 5.9      | 1.3     | 1.7      | 4.6      | 30       | 0.049    |
| 11NG0334  | Gertie | 623282 | 6987679 | 4818 | 2.9      | 58.1     | 20.1     | 88       | 0.20     | 16.9     | 10       | 713      | 3.63        | 32.4     | 2.9     | 2.2      | 5.4      | 13       | 0.049    |
| 11NG0333  | Gertie | 623280 | 6987729 | 4817 | 0.4      | 41.2     | 6.6      | 88       | 0.10     | 19.2     | 30.8     | 914      | 5.24        | 2.8      | 1       | 2.8      | 2.8      | 54       | 0.049    |
| 11NG0332  | Gertie | 623278 | 6987779 | 4816 | 1.0      | 12.1     | 10.9     | 52       | 0.10     | 12.5     | 8.6      | 339      | 2.29        | 2.9      | 1       | 0.249    | 8.7      | 32       | 0.049    |
| 11NG0331  | Gertie | 623276 | 6987829 | 4815 | 1.2      | 15.3     | 12.7     | 57       | 0.05     | 19.6     | 9.9      | 333      | 2.6         | 4.9      | 1.1     | 1.8      | 8        | 21       | 0.049    |
| 11NG0330  | Gertie | 623274 | 6987879 | 4814 | 2.2      | 9.0      | 12.4     | 41       | 0.05     | 4.9      | 5        | 211      | 2.44        | 3.4      | 2.2     | 0.249    | 7.8      | 74       | 0.049    |
| 11NG0329  | Gertie | 623272 | 6987929 | 4813 | 1.0      | 14.2     | 8.2      | 73       | 0.05     | 9.6      | 8.2      | 392      | 3.17        | 2.9      | 2.1     | 0.249    | 9.3      | 34       | 0.049    |
| 11NG0328  | Gertie | 623271 | 6987979 | 4812 | 1.4      | 14.3     | 16.9     | 53       | 0.20     | 11.3     | 7.6      | 448      | 2.56        | 8.3      | 0.8     | 1.2      | 4.2      | 22       | 0.1      |
| 11NG0327  | Gertie | 623269 | 6988029 | 4811 | 1.9      | 9.9      | 32.0     | 50       | 0.10     | 11.7     | 6.8      | 215      | 2.82        | 18.9     | 1.7     | 1.4      | 8.2      | 24       | 0.2      |
| 11NG0326  | Gertie | 623267 | 6988079 | 4810 | 1.9      | 11.2     | 132.7    | 100      | 0.40     | 3.8      | 2.5      | 158      | 2.27        | 42.3     | 3.1     | 3.3      | 15.8     | 58       | 0.1      |
| 11NG0325  | Gertie | 623265 | 6988129 | 4809 | 1.2      | 18.4     | 10.8     | 127      | 0.10     | 6.3      | 9.1      | 439      | 3.2         | 1.6      | 2.7     | 0.9      | 10.2     | 24       | 0.049    |
| 11NG0324  | Gertie | 623263 | 6988179 | 4808 | 1.1      | 27.5     | 10.5     | 57       | 0.05     | 23.0     | 10.8     | 447      | 2.41        | 7.4      | 1       | 1.6      | 5.5      | 35       | 0.2      |
| 11NG0323  | Gertie | 623261 | 6988229 | 4807 | 1.6      | 17.4     | 13.3     | 49       | 0.05     | 9.1      | 6.4      | 240      | 2.74        | 7.7      | 3       | 4.2      | 14.7     | 53       | 0.049    |
| 11NG0322  | Gertie | 623259 | 6988279 | 4806 | 3.4      | 16.4     | 9.9      | 68       | 0.10     | 11.0     | 8.8      | 381      | 2.96        | 3.8      | 3       | 1.8      | 11.3     | 37       | 0.049    |
| 11NG0320  | Gertie | 623257 | 6988329 | 4804 | 1.2      | 14.3     | 6.8      | 48       | 0.10     | 11.1     | 8.7      | 416      | 1.98        | 2.4      | 0.4     | 8.9      | 1.3      | 34       | 0.2      |
| 11NG0319  | Gertie | 622574 | 6987853 | 4437 | 2.0      | 26.4     | 80.3     | 141      | 0.40     | 11.3     | 6        | 282      | 3.05        | 39.3     | 5.8     | 9.8      | 16.6     | 46       | 0.3      |
| 11NG0318  | Gertie | 622573 | 6987903 | 4436 | 7.7      | 19.2     | 18.4     | 80       | 0.10     | 23.6     | 11.3     | 549      | 3.56        | 11       | 1.7     | 0.8      | 14       | 23       | 0.1      |
| 11NG0317  | Gertie | 622571 | 6987953 | 4435 | 0.3      | 55.3     | 4.4      | 107      | 0.05     | 42.8     | 28.3     | 463      | 4.28        | 4.1      | 0.3     | 2.4      | 2.1      | 48       | 0.049    |
| 11NG0316  | Gertie | 622569 | 6988003 | 4434 | 1.9      | 30.7     | 14.6     | 99       | 0.05     | 55.4     | 15.2     | 575      | 3.84        | 13.7     | 1.6     | 3.4      | 11.9     | 37       | 0.049    |
| 11NG0315  | Gertie | 622567 | 6988053 | 4433 | 0.9      | 26.7     | 5.8      | 100      | 0.05     | 19.8     | 13.9     | 629      | 3.68        | 7.3      | 0.9     | 0.9      | 6.1      | 31       | 0.049    |
| 11NG0314  | Gertie | 622565 | 6988102 | 4432 | 2.6      | 21.0     | 98.8     | 99       | 0.30     | 14.1     | 11.3     | 577      | 2.86        | 16.8     | 3.9     | 4.7      | 10.4     | 39       | 0.3      |
| 11NG0313  | Gertie | 622563 | 6988152 | 4431 | 2.9      | 18.0     | 13.4     | 114      | 0.20     | 7.8      | 8.6      | 520      | 3.07        | 5.4      | 2.7     | 3.5      | 12.5     | 34       | 0.4      |
| 11NG0312  | Gertie | 622561 | 6988202 | 4430 | 1.2      | 20.8     | 15.2     | 107      | 0.10     | 10.1     | 9.2      | 580      | 3.81        | 9.3      | 2.2     | 2.9      | 10.1     | 37       | 0.2      |
| 11NG0311  | Gertie | 622559 | 6988252 | 4429 | 2.3      | 19.6     | 47.6     | 135      | 0.20     | 10.4     | 6.3      | 337      | 2.72        | 20.1     | 2       | 3.1      | 10.9     | 26       | 0.2      |
| 11NG0310  | Gertie | 622558 | 6988302 | 4428 | 2.8      | 37.3     | 77.6     | 238      | 0.40     | 5.9      | 8.7      | 701      | 3.48        | 29.2     | 4.2     | 7        | 18.4     | 33       | 0.5      |
| 11NG0309  | Gertie | 622556 | 6988352 | 4427 | 3.0      | 28.5     | 74.0     | 225      | 0.40     | 6.0      | 6.8      | 595      | 3.69        | 23.2     | 2.9     | 14.6     | 18       | 25       | 0.4      |
| 11NG0308  | Gertie | 622554 | 6988402 | 4426 | 2.1      | 14.8     | 32.3     | 106      | 0.20     | 7.9      | 5.2      | 328      | 2.84        | 15.8     | 0.9     | 1        | 7.3      | 23       | 0.2      |
| 11NG0307  | Gertie | 622473 | 6987899 | 4425 | 1.7      | 23.4     | 20.8     | 81       | 0.10     | 17.1     | 10.9     | 393      | 2.99        | 15       | 2       | 1.9      | 14       | 33       | 0.3      |
| 11NG0306  | Gertie | 622471 | 6987949 | 4424 | 1.1      | 33.0     | 14.8     | 83       | 0.20     | 20.0     | 14.5     | 638      | 3.41        | 11.3     | 1.4     | 3.6      | 3.7      | 57       | 0.2      |
| 11NG0305  | Gertie | 622469 | 6987999 | 4423 | 1.8      | 51.6     | 8.1      | 116      | 0.10     | 22.4     | 20.6     | 532      | 4.43        | 10.6     | 0.9     | 4.6      | 4        | 25       | 0.049    |
| 11NG0304  | Gertie | 622467 | 6988049 | 4422 | 0.3      | 72.8     | 3.6      | 113      | 0.05     | 18.1     | 30.2     | 516      | 4.33        | 4.7      | 0.3     | 0.8      | 1.2      | 26       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0303  | Gertie       | 622465 | 6988099 | 4421 | 0.2      | 51.7     | 1.6      | 73       | 0.05     | 10.9     | 20.6     | 664      | 3.59        | 2.5      | 0.2     | 0.8      | 0.6      | 33       | 0.049    |
| 11NG0302  | Gertie       | 622464 | 6988149 | 4420 | 0.8      | 18.0     | 7.2      | 66       | 0.05     | 16.4     | 9.6      | 257      | 3.19        | 4        | 0.6     | 2        | 2.8      | 17       | 0.049    |
| 11NG0300  | Gertie       | 622462 | 6988199 | 4418 | 1.4      | 17.7     | 15.1     | 71       | 0.20     | 20.9     | 12.2     | 543      | 3.1         | 11.6     | 1.7     | 1.1      | 14.1     | 30       | 0.2      |
| 11NG0299  | Gertie       | 622460 | 6988249 | 4417 | 0.9      | 18.7     | 13.7     | 167      | 0.05     | 17.6     | 11.8     | 434      | 3.03        | 7        | 1.2     | 0.6      | 13.8     | 26       | 0.4      |
| 11NG0298  | Gertie       | 622458 | 6988299 | 4416 | 6.2      | 16.0     | 492.1    | 242      | 1.40     | 4.6      | 4.3      | 197      | 4.14        | 66.2     | 2.2     | 16.5     | 20.1     | 38       | 0.2      |
| 11NG0297  | Gertie       | 622456 | 6988349 | 4415 | 2.3      | 22.6     | 101.8    | 121      | 0.30     | 13.0     | 5.4      | 367      | 4.22        | 63.2     | 2.3     | 2.7      | 12.7     | 53       | 0.2      |
| 11NG0296  | Gertie       | 622454 | 6988399 | 4414 | 1.6      | 11.9     | 165.8    | 93       | 0.60     | 7.1      | 3        | 95       | 4.69        | 59.9     | 2.1     | 3.1      | 20.4     | 66       | 0.049    |
| 11NG0295  | Gertie       | 622452 | 6988448 | 4413 | 2.8      | 12.8     | 41.4     | 44       | 0.10     | 9.5      | 4.2      | 134      | 3.03        | 12.9     | 2.7     | 1.3      | 10.4     | 64       | 0.2      |
| 11NG0294  | Gertie       | 622371 | 6987945 | 4412 | 1.7      | 15.9     | 22.4     | 52       | 0.10     | 11.4     | 9.3      | 534      | 2.5         | 5.6      | 1.7     | 0.249    | 17.7     | 40       | 0.049    |
| 11NG0293  | Gertie       | 622369 | 6987995 | 4411 | 2.1      | 39.0     | 14.6     | 67       | 0.10     | 35.1     | 12.5     | 493      | 3.25        | 20.7     | 0.8     | 2.4      | 7.1      | 33       | 0.1      |
| 11NG0292  | Gertie       | 622367 | 6988045 | 4410 | 1.7      | 52.2     | 13.7     | 89       | 0.10     | 28.0     | 18.2     | 688      | 3.84        | 15.2     | 0.8     | 3.6      | 4.5      | 41       | 0.1      |
| 11NG0291  | Gertie       | 622365 | 6988095 | 4409 | 0.5      | 31.2     | 4.3      | 82       | 0.05     | 14.2     | 19.8     | 327      | 2.95        | 3.4      | 0.2     | 0.7      | 1.1      | 37       | 0.049    |
| 11NG0290  | Gertie       | 622363 | 6988145 | 4408 | 0.4      | 51.6     | 4.4      | 79       | 0.05     | 15.2     | 23.3     | 726      | 4.2         | 5.1      | 0.3     | 2.3      | 1.8      | 23       | 0.049    |
| 11NG0289  | Gertie       | 622361 | 6988195 | 4407 | 0.9      | 113.5    | 4.5      | 58       | 0.40     | 9.5      | 18.2     | 1382     | 3.53        | 4.4      | 0.4     | 1.8      | 0.4      | 66       | 0.2      |
| 11NG0288  | Gertie       | 622360 | 6988245 | 4406 | 0.8      | 27.3     | 8.7      | 176      | 0.05     | 126.1    | 21       | 434      | 3.88        | 5.8      | 1.3     | 0.7      | 8.5      | 66       | 0.1      |
| 11NG0287  | Gertie       | 622358 | 6988295 | 4405 | 0.7      | 12.6     | 10.8     | 72       | 0.10     | 8.5      | 8.5      | 416      | 3.18        | 7.3      | 1       | 0.249    | 4.6      | 40       | 0.049    |
| 11NG0286  | Gertie       | 622356 | 6988345 | 4404 | 0.5      | 22.4     | 14.0     | 1474     | 0.05     | 22.2     | 20.2     | 1316     | 5.09        | 3.9      | 4.9     | 1.2      | 6.1      | 29       | 0.8      |
| 11NG0285  | Gertie       | 622354 | 6988395 | 4403 | 4.9      | 6.4      | 51.7     | 33       | 0.10     | 4.6      | 4.3      | 104      | 4.1         | 45.7     | 2.5     | 4.5      | 19.5     | 68       | 0.049    |
| 11NG0284  | Gertie       | 622352 | 6988445 | 4402 | 3.1      | 18.1     | 122.4    | 415      | 0.30     | 6.3      | 10.5     | 1293     | 3.48        | 56.9     | 6.2     | 8.7      | 21.6     | 41       | 1        |
| 11NG0283  | Skookum West | 624248 | 6988973 | 4267 | 0.8      | 14.6     | 6.5      | 122      | 0.30     | 8.4      | 11.1     | 990      | 3.8         | 2.3      | 0.5     | 0.249    | 3.1      | 37       | 0.2      |
| 11NG0282  | Skookum West | 624297 | 6988976 | 4266 | 1.0      | 26.2     | 8.9      | 65       | 0.20     | 21.7     | 10.9     | 371      | 3.39        | 6        | 0.5     | 1.6      | 3        | 28       | 0.049    |
| 11NG0280  | Skookum West | 624300 | 6989000 | 4264 | 1.0      | 26.5     | 10.6     | 56       | 0.30     | 18.0     | 10.9     | 396      | 3.12        | 6        | 0.7     | 1.6      | 3.3      | 21       | 0.049    |
| 11NG0279  | Skookum West | 624299 | 6989023 | 4263 | 1.0      | 31.3     | 7.9      | 65       | 0.30     | 25.9     | 13.3     | 503      | 3.46        | 5.7      | 0.6     | 2.9      | 3.1      | 27       | 0.049    |
| 11NG0278  | Skookum West | 624300 | 6989052 | 4262 | 0.8      | 125.9    | 8.2      | 100      | 0.20     | 28.2     | 15       | 716      | 4.53        | 4.1      | 1.1     | 5.3      | 6        | 25       | 0.1      |
| 11NG0277  | Skookum West | 624298 | 6989073 | 4261 | 1.0      | 46.2     | 6.5      | 78       | 0.05     | 18.0     | 12.1     | 511      | 3.34        | 5.7      | 1.2     | 5        | 7.3      | 18       | 0.049    |
| 11NG0276  | Skookum West | 624298 | 6989100 | 4260 | 0.4      | 9.1      | 4.9      | 70       | 0.05     | 9.2      | 8.5      | 417      | 2.44        | 3        | 0.9     | 1.1      | 6.4      | 13       | 0.049    |
| 11NG0275  | Skookum West | 624299 | 6989129 | 4259 | 1.1      | 16.5     | 8.7      | 79       | 0.10     | 29.9     | 16.2     | 539      | 4           | 8.7      | 0.6     | 3.2      | 4.6      | 22       | 0.1      |
| 11NG0274  | Skookum West | 624300 | 6989148 | 4258 | 1.2      | 16.2     | 8.7      | 66       | 0.10     | 18.5     | 9.7      | 360      | 2.84        | 7.1      | 1       | 0.5      | 5.5      | 15       | 0.049    |
| 11NG0273  | Skookum West | 624300 | 6989175 | 4257 | 1.0      | 15.0     | 8.3      | 87       | 0.20     | 33.7     | 11.9     | 1019     | 2.89        | 5.7      | 1.1     | 2.5      | 5.8      | 29       | 0.049    |
| 11NG0272  | Skookum West | 624299 | 6989203 | 4256 | 0.5      | 40.4     | 7.7      | 71       | 0.05     | 29.7     | 20.1     | 812      | 4.62        | 4.9      | 0.6     | 3.6      | 2.5      | 44       | 0.049    |
| 11NG0271  | Skookum West | 624300 | 6989225 | 4255 | 1.4      | 24.4     | 10.4     | 70       | 0.10     | 26.8     | 13.1     | 443      | 3.78        | 10.1     | 0.5     | 3.4      | 2.9      | 28       | 0.049    |
| 11NG0270  | Skookum West | 624298 | 6989248 | 4254 | 1.3      | 31.3     | 14.2     | 60       | 0.05     | 27.6     | 13.6     | 409      | 3.55        | 10.3     | 0.9     | 4.4      | 4.4      | 28       | 0.1      |
| 11NG0269  | Skookum West | 624300 | 6989276 | 4253 | 0.6      | 12.0     | 6.2      | 93       | 0.05     | 18.1     | 13.2     | 696      | 5.02        | 4.3      | 1.3     | 1.2      | 5.3      | 17       | 0.049    |
| 11NG0268  | Skookum West | 624298 | 6989300 | 4252 | 1.5      | 15.2     | 11.3     | 73       | 0.05     | 17.0     | 12.6     | 464      | 3.95        | 9.4      | 0.5     | 0.249    | 2.3      | 29       | 0.2      |
| 11NG0267  | Skookum West | 624298 | 6989323 | 4251 | 0.7      | 36.4     | 10.0     | 70       | 0.10     | 25.1     | 12.3     | 452      | 3.25        | 7.6      | 0.7     | 3.3      | 3.2      | 30       | 0.1      |
| 11NG0266  | Skookum West | 624301 | 6989351 | 4250 | 0.7      | 35.7     | 8.9      | 61       | 0.10     | 22.1     | 12       | 457      | 2.96        | 7.4      | 0.7     | 3.8      | 3        | 28       | 0.1      |
| 11NG0265  | Skookum West | 624300 | 6989373 | 4249 | 0.8      | 35.8     | 8.3      | 61       | 0.05     | 22.1     | 12.4     | 408      | 2.83        | 6.2      | 0.6     | 6.3      | 2.8      | 29       | 0.049    |
| 11NG0264  | Skookum West | 624300 | 6989400 | 4248 | 1.0      | 29.6     | 8.3      | 65       | 0.05     | 22.6     | 12.9     | 508      | 3.02        | 7.8      | 0.5     | 1.2      | 1.7      | 30       | 0.1      |
| 11NG0263  | Skookum West | 624300 | 6989425 | 4247 | 0.9      | 36.0     | 9.2      | 60       | 0.10     | 21.7     | 11.6     | 393      | 2.91        | 7        | 0.5     | 13.7     | 2.4      | 41       | 0.2      |
| 11NG0262  | Skookum West | 624299 | 6989448 | 4246 | 1.2      | 41.1     | 9.6      | 67       | 0.05     | 25.5     | 14.6     | 401      | 3.24        | 5.8      | 0.5     | 11       | 2.1      | 29       | 0.049    |
| 11NG0260  | Skookum West | 624298 | 6989475 | 4244 | 1.3      | 69.4     | 15.5     | 75       | 0.20     | 180.5    | 27.9     | 700      | 3.99        | 4.2      | 1.5     | 7.6      | 12       | 196      | 0.049    |
| 11NG0259  | Skookum West | 624298 | 6989498 | 4243 | 1.0      | 64.3     | 11.4     | 115      | 0.20     | 76.9     | 20.1     | 616      | 3.6         | 4.4      | 0.9     | 9.5      | 4.5      | 75       | 0.2      |
| 11NG0258  | Skookum West | 624148 | 6988849 | 4220 | 0.9      | 13.7     | 4.1      | 89       | 0.10     | 9.0      | 7.1      | 652      | 3.36        | 2.7      | 0.8     | 3.6      | 5.3      | 17       | 0.049    |
| 11NG0257  | Skookum West | 624148 | 6988898 | 4219 | 1.1      | 19.6     | 7.3      | 68       | 0.70     | 12.9     | 9.3      | 706      | 2.9         | 3.2      | 1.1     | 3.6      | 2.7      | 31       | 0.2      |
| 11NG0256  | Skookum West | 624150 | 6988948 | 4218 | 1.4      | 20.6     | 7.2      | 85       | 0.10     | 11.8     | 10.7     | 715      | 3.39        | 3.3      | 0.8     | 2.1      | 4.5      | 24       | 0.1      |
| 11NG0255  | Skookum West | 624198 | 6988850 | 4217 | 1.3      | 14.9     | 9.0      | 79       | 0.20     | 14.3     | 7.3      | 715      | 2.69        | 7.7      | 0.5     | 1.9      | 3.3      | 26       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|
| 11NG0254  | Skookum West | 624200 | 6988873 | 4216 | 1.0      | 14.3     | 5.8      | 84       | 0.05     | 11.3     | 9        | 571      | 3.6      | 3.7      | 0.4     | 1.1      | 4.3      | 14       | 0.049    |
| 11NG0253  | Skookum West | 624200 | 6988900 | 4215 | 1.4      | 14.9     | 9.0      | 71       | 0.20     | 13.1     | 8.3      | 548      | 2.85     | 5.5      | 0.7     | 0.249    | 3.6      | 26       | 0.049    |
| 11NG0252  | Skookum West | 624200 | 6988923 | 4214 | 1.3      | 25.0     | 8.8      | 62       | 0.50     | 18.6     | 11.2     | 836      | 2.91     | 5.3      | 1.4     | 4        | 3.5      | 25       | 0.049    |
| 11NG0251  | Skookum West | 624199 | 6988949 | 4213 | 0.7      | 16.6     | 6.8      | 91       | 0.05     | 11.7     | 11.8     | 803      | 3.97     | 3.6      | 0.4     | 0.6      | 3.6      | 14       | 0.049    |
| 11NG0250  | Skookum West | 624198 | 6988975 | 4212 | 1.0      | 16.3     | 7.3      | 101      | 0.30     | 14.0     | 12.3     | 1117     | 3.51     | 3.3      | 0.9     | 2.2      | 4.5      | 26       | 0.049    |
| 11NG0249  | Skookum West | 624198 | 6988998 | 4211 | 1.5      | 23.0     | 9.4      | 71       | 0.40     | 26.8     | 8.4      | 470      | 2.59     | 3.5      | 0.7     | 1.4      | 2.3      | 34       | 0.2      |
| 11NG0248  | Skookum West | 624198 | 6989025 | 4210 | 0.9      | 42.0     | 7.0      | 81       | 0.10     | 27.3     | 16.4     | 630      | 3.86     | 3.3      | 0.8     | 3.4      | 2.8      | 32       | 0.1      |
| 11NG0247  | Skookum West | 624198 | 6989048 | 4209 | 0.9      | 55.6     | 8.7      | 138      | 0.40     | 29.1     | 23.8     | 655      | 5.28     | 2.2      | 1.2     | 12.2     | 3.5      | 27       | 0.049    |
| 11NG0246  | Skookum West | 624198 | 6989075 | 4208 | 1.5      | 11.3     | 8.3      | 55       | 0.20     | 12.8     | 6.1      | 426      | 2.01     | 3.4      | 0.6     | 2.6      | 3.3      | 22       | 0.049    |
| 11NG0245  | Skookum West | 624200 | 6989100 | 4207 | 1.2      | 11.1     | 5.3      | 62       | 0.05     | 16.2     | 8.5      | 384      | 2.54     | 3.5      | 1.1     | 1.2      | 5.6      | 13       | 0.049    |
| 11NG0244  | Skookum West | 624200 | 6989123 | 4206 | 1.6      | 14.0     | 7.6      | 91       | 0.05     | 16.5     | 16.1     | 732      | 4.92     | 3.3      | 0.8     | 6.4      | 4.2      | 22       | 0.2      |
| 11NG0243  | Skookum West | 624196 | 6989147 | 4205 | 2.4      | 57.6     | 11.7     | 78       | 0.05     | 79.4     | 18.1     | 491      | 4.26     | 4.3      | 1.3     | 52.4     | 9.4      | 59       | 0.049    |
| 11NG0242  | Skookum West | 624199 | 6989173 | 4204 | 1.1      | 43.6     | 8.7      | 62       | 0.10     | 40.5     | 19.1     | 349      | 4.49     | 5.8      | 0.4     | 16.5     | 2.4      | 22       | 0.049    |
| 11NG0240  | Skookum West | 624198 | 6989200 | 4202 | 1.2      | 45.7     | 10.8     | 57       | 0.20     | 29.2     | 12.2     | 335      | 3.48     | 9.3      | 1.1     | 5.3      | 4.1      | 21       | 0.049    |
| 11NG0239  | Skookum West | 624198 | 6989223 | 4201 | 1.6      | 40.7     | 12.4     | 71       | 0.20     | 25.4     | 18.8     | 466      | 4.72     | 6.3      | 0.5     | 12.1     | 2.3      | 20       | 0.3      |
| 11NG0238  | Skookum West | 624198 | 6989249 | 4200 | 1.0      | 36.2     | 12.2     | 52       | 0.10     | 29.9     | 14.4     | 289      | 3.74     | 11.2     | 0.7     | 6.2      | 3.6      | 19       | 0.2      |
| 11NG0237  | Skookum West | 624198 | 6989275 | 4199 | 1.2      | 31.6     | 10.3     | 65       | 0.20     | 30.2     | 14.3     | 341      | 3.73     | 11.1     | 0.4     | 5.6      | 3.5      | 15       | 0.1      |
| 11NG0236  | Skookum West | 624195 | 6989299 | 4198 | 0.8      | 34.9     | 8.0      | 61       | 0.10     | 24.3     | 12.7     | 294      | 2.83     | 6.9      | 0.7     | 2.3      | 2.6      | 19       | 0.1      |
| 11NG0235  | Skookum West | 624200 | 6989348 | 4727 | 1.3      | 71.2     | 9.1      | 71       | 0.20     | 26.7     | 18.8     | 487      | 3.51     | 6.1      | 0.8     | 6.3      | 3.6      | 25       | 0.049    |
| 11NG0234  | Skookum West | 624198 | 6989399 | 4726 | 1.1      | 35.4     | 9.6      | 85       | 0.05     | 25.9     | 18.1     | 637      | 3.93     | 8        | 0.6     | 12.7     | 3.2      | 19       | 0.2      |
| 11NG0233  | Skookum West | 624198 | 6989450 | 4725 | 1.8      | 52.5     | 10.1     | 89       | 0.20     | 23.9     | 18.7     | 580      | 3.85     | 5.6      | 0.7     | 47.2     | 3        | 22       | 0.1      |
| 11NG0232  | Skookum West | 624198 | 6989500 | 4724 | 2.4      | 20.4     | 14.0     | 78       | 0.20     | 20.6     | 12.3     | 240      | 3.52     | 40.9     | 0.8     | 26.1     | 3.2      | 27       | 0.049    |
| 11NG0231  | Skookum West | 624148 | 6989475 | 4723 | 1.9      | 34.8     | 9.9      | 115      | 0.40     | 60.3     | 20.9     | 612      | 3.7      | 3.9      | 1.4     | 30.4     | 4.2      | 59       | 0.3      |
| 11NG0230  | Skookum West | 624150 | 6989423 | 4722 | 0.8      | 24.2     | 7.7      | 121      | 0.20     | 16.0     | 16.3     | 708      | 3.47     | 3.7      | 0.6     | 17.4     | 2.7      | 18       | 0.049    |
| 11NG0229  | Skookum West | 624150 | 6989373 | 4721 | 0.8      | 25.0     | 8.8      | 79       | 0.05     | 22.9     | 15.4     | 508      | 3.38     | 6.8      | 0.6     | 15.3     | 3.6      | 17       | 0.049    |
| 11NG0228  | Skookum West | 624148 | 6989324 | 4720 | 1.2      | 14.0     | 9.1      | 98       | 0.05     | 21.7     | 17.5     | 680      | 3.88     | 7        | 0.4     | 3        | 2.7      | 14       | 0.1      |
| 11NG0227  | Skookum West | 624148 | 6989275 | 4719 | 0.4      | 30.2     | 4.8      | 126      | 0.05     | 19.9     | 22.4     | 652      | 4.16     | 3.9      | 0.4     | 8.5      | 3.3      | 13       | 0.049    |
| 11NG0226  | Skookum West | 624150 | 6989225 | 4718 | 1.2      | 22.0     | 10.8     | 50       | 0.20     | 20.4     | 9.8      | 320      | 2.77     | 6        | 0.7     | 3        | 3.1      | 15       | 0.049    |
| 11NG0225  | Skookum West | 624150 | 6989175 | 4717 | 1.1      | 21.2     | 8.2      | 83       | 0.50     | 14.9     | 14.8     | 664      | 3.14     | 3.7      | 0.6     | 11.5     | 2        | 16       | 0.2      |
| 11NG0224  | Skookum West | 624151 | 6989127 | 4716 | 1.2      | 21.5     | 7.7      | 101      | 0.10     | 18.1     | 12.7     | 751      | 3.62     | 4.9      | 0.4     | 39.6     | 3        | 16       | 0.1      |
| 11NG0223  | Skookum West | 624148 | 6989073 | 4715 | 0.8      | 35.7     | 7.2      | 90       | 0.20     | 23.2     | 14.7     | 616      | 3.66     | 5.5      | 0.9     | 60.1     | 3.6      | 23       | 0.049    |
| 11NG0222  | Skookum West | 624149 | 6989024 | 4714 | 1.5      | 26.8     | 8.3      | 95       | 0.20     | 21.3     | 13.5     | 661      | 3.27     | 3.1      | 0.6     | 4        | 2.9      | 25       | 0.2      |
| 11NG0220  | Skookum West | 624148 | 6988075 | 4712 | 1.5      | 23.1     | 6.3      | 107      | 0.30     | 12.8     | 14.7     | 974      | 4.13     | 2.5      | 1.1     | 1.2      | 4.3      | 27       | 0.2      |
| 11NG0219  | Skookum West | 624099 | 6989000 | 4711 | 1.8      | 27.7     | 12.7     | 96       | 0.20     | 30.3     | 15.4     | 658      | 3.72     | 4.3      | 0.9     | 68.6     | 3.6      | 23       | 0.2      |
| 11NG0218  | Skookum West | 624100 | 6989050 | 4710 | 2.0      | 32.9     | 9.2      | 101      | 0.20     | 43.0     | 20.6     | 910      | 3.96     | 4        | 1.5     | 23.7     | 3.7      | 49       | 0.1      |
| 11NG0217  | Skookum West | 624099 | 6989098 | 4709 | 1.7      | 60.4     | 18.8     | 90       | 0.50     | 52.3     | 22.1     | 777      | 4.07     | 4        | 2.5     | 64       | 6        | 39       | 0.2      |
| 11NG0216  | Skookum West | 624098 | 6989148 | 4708 | 0.9      | 43.8     | 4.2      | 108      | 0.05     | 16.6     | 23.8     | 796      | 4.64     | 3.9      | 0.3     | 0.249    | 2.4      | 11       | 0.049    |
| 11NG0215  | Skookum West | 624098 | 6989198 | 4707 | 0.8      | 37.9     | 15.7     | 94       | 0.05     | 25.5     | 11.8     | 542      | 3.21     | 4.6      | 0.7     | 18.4     | 2.8      | 18       | 0.049    |
| 11NG0214  | Skookum West | 624100 | 6989250 | 4706 | 1.2      | 35.2     | 8.6      | 80       | 0.10     | 20.9     | 11.8     | 410      | 4.15     | 8.4      | 0.4     | 1.1      | 2.6      | 12       | 0.049    |
| 11NG0213  | Skookum West | 624100 | 6989300 | 4705 | 0.8      | 31.3     | 7.6      | 78       | 0.05     | 23.4     | 15.9     | 539      | 3.81     | 7.9      | 0.6     | 37.4     | 3        | 14       | 0.049    |
| 11NG0212  | Skookum West | 624101 | 6989349 | 4704 | 1.0      | 23.1     | 8.0      | 76       | 0.05     | 21.2     | 13.1     | 584      | 3.81     | 7.6      | 0.5     | 52.7     | 2.5      | 15       | 0.2      |
| 11NG0211  | Skookum West | 624098 | 6989399 | 4703 | 1.5      | 27.7     | 10.2     | 77       | 0.10     | 66.0     | 17.6     | 672      | 4.35     | 8        | 0.7     | 11.9     | 3.7      | 41       | 0.1      |
| 11NG0210  | Skookum West | 624000 | 6988547 | 4702 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     |
| 11NG0209  | Skookum West | 623949 | 6988519 | 4701 | 1.4      | 28.8     | 8.2      | 74       | 0.05     | 21.7     | 12.6     | 519      | 3.75     | 6.3      | 0.5     | 31.4     | 2.9      | 17       | 0.049    |
| 11NG0208  | Skookum West | 623945 | 6988574 | 4700 | 1.5      | 25.2     | 8.3      | 79       | 0.20     | 16.0     | 11.8     | 709      | 3.85     | 5.8      | 0.4     | 25.9     | 2.2      | 14       | 0.1      |
| 11NG0207  | Skookum West | 623946 | 6988624 | 4699 | 0.9      | 31.5     | 6.9      | 116      | 0.20     | 13.9     | 15.3     | 514      | 4.16     | 5.7      | 0.6     | 3.9      | 2        | 28       | 0.6      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0206  | Skookum West | 623989 | 6988498 | 4698 | 1.5      | 62.9     | 10.9     | 75       | 0.30     | 16.5     | 14.4     | 469      | 2.81        | 4.2      | 1.9     | 5.7      | 1.8      | 48       | 0.049    |
| 11NG0205  | Skookum West | 624000 | 6988523 | 4697 | 1.0      | 31.5     | 7.7      | 86       | 0.30     | 14.2     | 13.5     | 457      | 3.27        | 4.7      | 1.3     | 15.5     | 2.3      | 37       | 0.2      |
| 11NG0204  | Skookum West | 623948 | 6988499 | 4696 | 1.3      | 65.9     | 9.2      | 50       | 0.05     | 40.3     | 13.5     | 353      | 2.78        | 6.9      | 0.5     | 0.249    | 1.3      | 26       | 0.049    |
| 11NG0203  | Skookum West | 623948 | 6988548 | 4695 | 1.0      | 14.0     | 9.7      | 102      | 0.05     | 14.2     | 11       | 1026     | 2.79        | 5.8      | 0.3     | 0.249    | 1.4      | 48       | 0.2      |
| 11NG0202  | Skookum West | 623950 | 6988598 | 4694 | 1.1      | 26.0     | 7.1      | 81       | 0.30     | 15.3     | 11       | 491      | 3.51        | 5.2      | 0.8     | 15.6     | 2.7      | 29       | 0.1      |
| 11NG0200  | Skookum West | 623950 | 6988650 | 4692 | 1.9      | 26.6     | 11.7     | 196      | 0.05     | 6.2      | 12.1     | 469      | 3.94        | 3.5      | 0.3     | 2.3      | 1.2      | 41       | 0.8      |
| 11NG0199  | Skookum West | 623950 | 6988700 | 4691 | 0.7      | 15.4     | 5.8      | 121      | 0.05     | 10.6     | 19       | 598      | 4.31        | 2.9      | 0.5     | 1.5      | 1.9      | 19       | 0.049    |
| 11NG0198  | Skookum West | 623948 | 6988750 | 4690 | 0.8      | 52.6     | 4.4      | 134      | 0.10     | 12.2     | 18.8     | 1077     | 4.78        | 1.1      | 0.7     | 36.6     | 4.7      | 12       | 0.049    |
| 11NG0197  | Skookum West | 623950 | 6988799 | 4689 | 3.4      | 22.0     | 6.6      | 90       | 0.05     | 15.8     | 12       | 581      | 3.66        | 3.9      | 0.8     | 32.6     | 4.3      | 19       | 0.1      |
| 11NG0196  | Skookum West | 623950 | 6988848 | 4688 | 2.3      | 31.9     | 20.2     | 95       | 0.10     | 26.8     | 14.8     | 709      | 4.25        | 6.2      | 0.7     | 20.8     | 2.9      | 19       | 0.2      |
| 11NG0195  | Skookum West | 623949 | 6988898 | 4687 | 1.1      | 45.8     | 7.9      | 103      | 0.05     | 43.9     | 23.5     | 779      | 4.37        | 4.1      | 0.3     | 1.1      | 1.7      | 14       | 0.1      |
| 11NG0194  | Skookum West | 623948 | 6988948 | 4686 | 0.8      | 20.7     | 3.3      | 84       | 0.05     | 10.1     | 8.2      | 485      | 2.84        | 1.4      | 0.8     | 11.3     | 4.7      | 10       | 0.049    |
| 11NG0193  | Skookum West | 623948 | 6989000 | 4685 | 0.4      | 10.9     | 3.2      | 87       | 0.05     | 10.8     | 11.5     | 558      | 3.3         | 1.6      | 0.6     | 2.4      | 3.2      | 12       | 0.049    |
| 11NG0192  | Skookum West | 623950 | 6989050 | 4684 | 1.2      | 17.2     | 10.0     | 72       | 0.05     | 17.4     | 10.2     | 367      | 3.26        | 3.9      | 0.7     | 3.6      | 3.6      | 18       | 0.049    |
| 11NG0191  | Skookum West | 623950 | 6989100 | 4683 | 0.7      | 20.9     | 4.1      | 95       | 0.05     | 12.9     | 12.4     | 713      | 3.41        | 1.6      | 0.6     | 0.249    | 3.4      | 22       | 0.049    |
| 11NG0190  | Skookum West | 623948 | 6989148 | 4682 | 0.8      | 14.0     | 4.8      | 89       | 0.10     | 9.6      | 10.6     | 398      | 3.69        | 6.6      | 0.5     | 2.6      | 3.6      | 19       | 0.049    |
| 11NG0189  | Skookum West | 623948 | 6989198 | 4681 | 1.5      | 13.8     | 6.4      | 99       | 0.05     | 14.9     | 11.4     | 664      | 4.19        | 8.6      | 0.6     | 2.1      | 3.7      | 20       | 0.1      |
| 11NG0188  | Skookum West | 623950 | 6989248 | 4680 | 1.1      | 27.2     | 9.9      | 88       | 0.20     | 22.8     | 13.7     | 498      | 3.72        | 7.7      | 1       | 58.5     | 4.1      | 27       | 0.1      |
| 11NG0187  | Skookum West | 623950 | 6989300 | 4679 | 1.5      | 41.6     | 10.4     | 81       | 0.20     | 21.3     | 15.4     | 570      | 4.04        | 8.4      | 0.8     | 17.2     | 3.3      | 31       | 0.049    |
| 11NG0185  | Skookum West | 623948 | 6989400 | 4678 | 2.1      | 81.0     | 14.0     | 80       | 0.30     | 111.2    | 28       | 623      | 4.08        | 7.4      | 1.3     | 50.8     | 7.1      | 131      | 0.1      |
| 11NG0184  | Skookum West | 623950 | 6989448 | 4677 | 2.4      | 24.8     | 7.4      | 77       | 0.05     | 42.7     | 17.4     | 568      | 3.52        | 5.9      | 0.6     | 19.9     | 2.6      | 50       | 0.049    |
| 11NG0182  | Skookum West | 623898 | 6989273 | 4676 | 0.7      | 14.0     | 5.6      | 141      | 0.05     | 15.4     | 18.1     | 1000     | 3.64        | 5.3      | 0.5     | 3.1      | 3        | 19       | 0.049    |
| 11NG0180  | Skookum West | 623900 | 6989300 | 4674 | 1.1      | 16.7     | 9.2      | 75       | 0.40     | 16.1     | 9        | 311      | 3.17        | 7.3      | 0.6     | 102.3    | 3.1      | 20       | 0.1      |
| 11NG0179  | Skookum West | 623901 | 6989328 | 4673 | 1.5      | 34.8     | 7.5      | 119      | 0.50     | 29.9     | 18.8     | 796      | 4.39        | 7.5      | 1.1     | 63.5     | 3.1      | 25       | 0.1      |
| 11NG0178  | Skookum West | 623900 | 6989348 | 4672 | 14.1     | 111.6    | 15.2     | 67       | 1.30     | 25.1     | 12.6     | 546      | 3.6         | 19.8     | 0.7     | 97.8     | 1.8      | 24       | 0.2      |
| 11NG0177  | Skookum West | 623895 | 6989379 | 4671 | 3.5      | 71.6     | 7.6      | 87       | 0.30     | 124.7    | 30       | 510      | 4.53        | 7.3      | 1.1     | 20.9     | 4.8      | 92       | 0.2      |
| 11NG0176  | Skookum West | 623898 | 6989398 | 4670 | 2.9      | 95.9     | 5.4      | 115      | 0.10     | 69.5     | 35.3     | 723      | 6.03        | 40.4     | 0.4     | 26.2     | 2        | 48       | 0.049    |
| 11NG0175  | Skookum West | 623894 | 6989425 | 4669 | 2.8      | 38.9     | 7.9      | 84       | 0.40     | 38.1     | 20.6     | 662      | 3.75        | 6.2      | 0.6     | 25.5     | 2.2      | 42       | 0.2      |
| 11NG0174  | Skookum West | 623898 | 6988623 | 4485 | 0.7      | 24.8     | 8.2      | 98       | 0.05     | 11.6     | 10.2     | 479      | 3.62        | 4.9      | 0.6     | 1.5      | 3.8      | 24       | 0.1      |
| 11NG0173  | Skookum West | 623900 | 6988673 | 4484 | 0.8      | 33.6     | 5.5      | 123      | 0.10     | 11.5     | 17.6     | 583      | 5.28        | 4        | 0.5     | 13.9     | 1.6      | 36       | 0.049    |
| 11NG0172  | Skookum West | 623898 | 6988623 | 4483 | 2.0      | 32.3     | 7.9      | 88       | 0.05     | 16.7     | 12.1     | 540      | 3.49        | 5        | 0.7     | 26.2     | 3.6      | 25       | 0.1      |
| 11NG0171  | Skookum West | 623900 | 6988673 | 4482 | 2.0      | 20.7     | 9.7      | 94       | 0.05     | 15.8     | 10.5     | 892      | 3.5         | 6.9      | 0.6     | 2.9      | 3.5      | 28       | 0.2      |
| 11NG0170  | Skookum West | 623898 | 6988848 | 4481 | 5.2      | 31.5     | 9.0      | 101      | 0.05     | 21.7     | 14.2     | 533      | 3.86        | 5.1      | 0.8     | 59.6     | 3.7      | 22       | 0.049    |
| 11NG0169  | Skookum West | 623900 | 6988874 | 4480 | 3.7      | 20.8     | 10.8     | 66       | 0.05     | 21.8     | 9.5      | 391      | 2.8         | 6.9      | 0.8     | 21.4     | 5.2      | 24       | 0.049    |
| 11NG0168  | Skookum West | 623900 | 6988900 | 4479 | 4.0      | 11.7     | 8.9      | 55       | 0.10     | 15.2     | 7.8      | 538      | 2.18        | 4.8      | 0.6     | 102.6    | 3.5      | 21       | 0.1      |
| 11NG0167  | Skookum West | 623900 | 6988923 | 4478 | 87.1     | 49.3     | 17.0     | 100      | 0.20     | 32.5     | 19.1     | 720      | 4.56        | 5.7      | 1       | 63.3     | 4.3      | 27       | 0.049    |
| 11NG0166  | Skookum West | 623901 | 6988950 | 4477 | 0.9      | 15.1     | 6.9      | 72       | 0.10     | 18.7     | 9.3      | 390      | 2.91        | 4.7      | 0.7     | 37.9     | 4.2      | 16       | 0.049    |
| 11NG0165  | Skookum West | 623899 | 6988973 | 4476 | 0.8      | 28.1     | 9.2      | 85       | 0.05     | 26.9     | 12.2     | 504      | 3.11        | 6.1      | 1       | 20.5     | 4.7      | 23       | 0.049    |
| 11NG0164  | Skookum West | 623898 | 6989000 | 4475 | 0.7      | 28.7     | 5.0      | 95       | 0.05     | 11.3     | 9.8      | 514      | 3.18        | 3        | 0.7     | 17.4     | 4.7      | 16       | 0.049    |
| 11NG0163  | Skookum West | 623898 | 6989024 | 4474 | 0.9      | 21.5     | 7.7      | 73       | 0.05     | 16.2     | 10.8     | 408      | 3.51        | 7.6      | 0.6     | 6.2      | 3.7      | 10       | 0.049    |
| 11NG0162  | Skookum West | 623898 | 6989049 | 4473 | 0.9      | 14.3     | 7.5      | 73       | 0.10     | 15.0     | 8.9      | 346      | 3.19        | 6        | 0.8     | 236.5    | 4.7      | 10       | 0.049    |
| 11NG0160  | Skookum West | 623898 | 6989075 | 4471 | 0.4      | 46.5     | 16.5     | 82       | 0.05     | 102.7    | 25.9     | 640      | 3.67        | 3.3      | 1.6     | 3.2      | 12.9     | 61       | 0.1      |
| 11NG0159  | Skookum West | 623900 | 6989098 | 4470 | 1.1      | 15.4     | 11.0     | 68       | 0.10     | 12.1     | 7.6      | 319      | 2.51        | 5.1      | 0.3     | 2.9      | 1.7      | 25       | 0.049    |
| 11NG0158  | Skookum West | 623900 | 6989125 | 4469 | 1.2      | 17.1     | 8.6      | 68       | 0.30     | 18.9     | 11.5     | 582      | 3.26        | 7        | 0.4     | 0.249    | 2.5      | 14       | 0.1      |
| 11NG0157  | Skookum West | 623900 | 6989148 | 4468 | 0.7      | 47.9     | 7.1      | 104      | 0.05     | 11.2     | 18.9     | 598      | 4.73        | 2.9      | 0.3     | 10.4     | 1.8      | 25       | 0.049    |
| 11NG0156  | Skookum West | 623899 | 6989174 | 4467 | 1.4      | 23.7     | 8.2      | 73       | 0.20     | 21.5     | 9.7      | 495      | 3.37        | 9.8      | 0.5     | 2        | 2.8      | 13       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0155  | Skookum West | 623898 | 6989200 | 4466 | 0.7      | 16.0     | 5.8      | 66       | 0.05     | 16.3     | 9.3      | 340      | 3.03        | 6.2      | 0.6     | 14.8     | 3.4      | 10       | 0.049    |
| 11NG0154  | Skookum West | 623898 | 6989223 | 4465 | 1.0      | 13.4     | 6.4      | 69       | 0.05     | 14.6     | 8.2      | 325      | 2.89        | 5.5      | 0.6     | 10.2     | 3.2      | 13       | 0.049    |
| 11NG0153  | Skookum West | 623898 | 6989250 | 4464 | 0.7      | 21.4     | 8.5      | 53       | 0.05     | 18.8     | 8.9      | 302      | 2.57        | 7        | 0.8     | 3.9      | 2.7      | 20       | 0.049    |
| 11NG0152  | Skookum West | 623898 | 6989448 | 4463 | 2.1      | 65.9     | 7.8      | 83       | 0.40     | 49.6     | 24.2     | 600      | 4.12        | 6        | 0.6     | 30.5     | 2.6      | 31       | 0.2      |
| 11NG0151  | Skookum West | 623898 | 6989474 | 4462 | 2.1      | 46.9     | 7.7      | 79       | 0.10     | 35.2     | 17.8     | 449      | 3.52        | 5.1      | 0.4     | 21.9     | 2.3      | 25       | 0.1      |
| 11NG0150  | Skookum West | 623898 | 6989500 | 4461 | 1.8      | 59.6     | 7.4      | 70       | 0.20     | 30.9     | 17.5     | 302      | 3.57        | 3        | 0.6     | 15.7     | 2.4      | 27       | 0.049    |
| 11NG0149  | Skookum West | 623748 | 6989050 | 4157 | 0.8      | 29.6     | 11.8     | 68       | 0.05     | 27.7     | 10.6     | 434      | 3.09        | 5.9      | 0.9     | 9.4      | 6        | 25       | 0.049    |
| 11NG0148  | Skookum West | 623698 | 6989075 | 4064 | 0.9      | 49.1     | 16.5     | 69       | 0.10     | 39.6     | 12.9     | 425      | 3.41        | 7.5      | 0.8     | 0.249    | 5.9      | 29       | 0.049    |
| 11NG0147  | Skookum West | 623748 | 6989075 | 4063 | 1.4      | 19.0     | 9.4      | 82       | 0.20     | 22.2     | 9.2      | 723      | 2.73        | 7.2      | 0.6     | 0.249    | 3.3      | 22       | 0.2      |
| 11NG0146  | Skookum West | 623750 | 6989098 | 4062 | 1.2      | 5.3      | 5.0      | 113      | 0.05     | 11.7     | 11.6     | 1131     | 2.71        | 4.3      | 0.5     | 0.249    | 3.6      | 13       | 0.049    |
| 11NG0145  | Skookum West | 623750 | 6989125 | 4061 | 1.0      | 14.3     | 7.4      | 89       | 0.05     | 19.9     | 11.8     | 641      | 3.07        | 6.9      | 0.6     | 2.8      | 4.2      | 15       | 0.049    |
| 11NG0144  | Skookum West | 623750 | 6989148 | 4060 | 1.6      | 8.4      | 5.8      | 53       | 0.05     | 19.5     | 5.5      | 195      | 2.36        | 4.1      | 0.6     | 11.6     | 3.7      | 8        | 0.049    |
| 11NG0143  | Skookum West | 623750 | 6989175 | 4059 | 1.3      | 21.3     | 9.4      | 52       | 0.05     | 30.0     | 9.2      | 282      | 3.08        | 10.1     | 0.5     | 0.249    | 1.7      | 14       | 0.049    |
| 11NG0142  | Skookum West | 623748 | 6989198 | 4058 | 0.9      | 9.5      | 5.4      | 77       | 0.05     | 15.6     | 10       | 350      | 2.77        | 4.6      | 0.7     | 3.1      | 4.7      | 10       | 0.049    |
| 11NG0140  | Skookum West | 623748 | 6989224 | 4056 | 0.9      | 7.5      | 5.0      | 72       | 0.05     | 15.3     | 9.2      | 466      | 2.64        | 4.7      | 0.6     | 1.1      | 3.8      | 11       | 0.049    |
| 11NG0139  | Skookum West | 623748 | 6989250 | 4055 | 0.9      | 16.9     | 7.2      | 67       | 0.05     | 19.0     | 10.4     | 598      | 2.64        | 7.5      | 0.7     | 0.249    | 4.2      | 17       | 0.049    |
| 11NG0138  | Skookum West | 623748 | 6989273 | 4054 | 1.7      | 10.9     | 8.2      | 71       | 0.05     | 23.7     | 10.4     | 284      | 3.38        | 9.3      | 0.5     | 0.249    | 3.2      | 10       | 0.049    |
| 11NG0137  | Skookum West | 623748 | 6989300 | 4053 | 2.9      | 54.5     | 11.8     | 84       | 0.10     | 25.4     | 14.4     | 999      | 4.71        | 6.1      | 0.7     | 4.1      | 4.1      | 20       | 0.2      |
| 11NG0136  | Skookum West | 623750 | 6989323 | 4052 | 1.1      | 23.5     | 7.2      | 63       | 0.10     | 53.5     | 16.7     | 367      | 3.95        | 7.7      | 0.5     | 1        | 2.9      | 25       | 0.049    |
| 11NG0135  | Skookum West | 623750 | 6989350 | 4051 | 0.7      | 16.6     | 4.1      | 94       | 0.05     | 13.8     | 15.8     | 864      | 4.16        | 2        | 0.2     | 2.9      | 1.1      | 27       | 0.049    |
| 11NG0134  | Skookum West | 623750 | 6989375 | 4050 | 1.2      | 45.6     | 5.5      | 87       | 0.05     | 19.6     | 13.8     | 654      | 4.09        | 4.5      | 0.4     | 0.249    | 2.1      | 20       | 0.049    |
| 11NG0133  | Skookum West | 623748 | 6989398 | 4049 | 1.4      | 25.8     | 7.6      | 66       | 0.20     | 18.4     | 8.7      | 529      | 2.77        | 4.2      | 0.7     | 0.9      | 2.7      | 26       | 0.049    |
| 11NG0132  | Skookum West | 623748 | 6989425 | 4048 | 1.5      | 17.6     | 6.8      | 80       | 0.05     | 15.4     | 8.5      | 502      | 3.2         | 4.8      | 0.5     | 0.249    | 3.1      | 20       | 0.049    |
| 11NG0131  | Skookum West | 623748 | 6989448 | 4047 | 1.0      | 18.9     | 7.3      | 99       | 0.05     | 19.5     | 12.4     | 648      | 3.25        | 3.7      | 0.5     | 0.249    | 2.8      | 25       | 0.049    |
| 11NG0130  | Skookum West | 623748 | 6989475 | 4046 | 1.0      | 21.4     | 6.5      | 100      | 0.10     | 17.8     | 12.2     | 622      | 3.41        | 2.9      | 0.5     | 3.7      | 2.7      | 24       | 0.049    |
| 11NG0129  | Skookum West | 623750 | 6989498 | 4045 | 1.1      | 16.4     | 7.9      | 81       | 0.10     | 14.5     | 9.3      | 467      | 3.04        | 3.6      | 0.6     | 8        | 3.1      | 18       | 0.049    |
| 11NG0128  | Skookum West | 623598 | 6988825 | 4044 | 1.1      | 19.1     | 7.8      | 56       | 0.05     | 16.7     | 8        | 308      | 2.7         | 5        | 0.8     | 30.5     | 5.3      | 18       | 0.049    |
| 11NG0127  | Skookum West | 623598 | 6988875 | 4043 | 1.3      | 17.3     | 6.2      | 83       | 0.10     | 16.0     | 11.5     | 642      | 3.76        | 3.6      | 0.7     | 15.5     | 4.8      | 23       | 0.049    |
| 11NG0126  | Skookum West | 623600 | 6988922 | 4042 | 1.3      | 14.9     | 6.8      | 71       | 0.05     | 17.2     | 9.2      | 526      | 3.3         | 3        | 0.7     | 16       | 5.1      | 18       | 0.049    |
| 11NG0125  | Skookum West | 623600 | 6988973 | 4041 | 0.8      | 18.8     | 7.4      | 64       | 0.05     | 24.5     | 10.5     | 389      | 3.25        | 4.6      | 0.8     | 11.1     | 5.3      | 23       | 0.049    |
| 11NG0124  | Skookum West | 623598 | 6989023 | 4040 | 0.7      | 12.4     | 5.7      | 68       | 0.05     | 14.3     | 7.9      | 447      | 2.81        | 3.6      | 0.6     | 6.9      | 3.8      | 17       | 0.049    |
| 11NG0123  | Skookum West | 623598 | 6989073 | 4039 | 0.4      | 80.8     | 4.9      | 66       | 0.10     | 24.9     | 13       | 320      | 3.59        | 2.9      | 0.4     | 3.7      | 1.3      | 13       | 0.049    |
| 11NG0122  | Skookum West | 623600 | 6989125 | 4038 | 1.1      | 20.9     | 6.8      | 75       | 0.10     | 18.9     | 9.7      | 476      | 3.51        | 5.8      | 0.7     | 5.2      | 3.7      | 15       | 0.049    |
| 11NG0120  | Skookum West | 623600 | 6989175 | 3948 | 1.2      | 15.0     | 8.0      | 76       | 0.05     | 22.1     | 9.8      | 334      | 3.56        | 7        | 0.6     | 4.4      | 4        | 9        | 0.049    |
| 11NG0119  | Skookum West | 623598 | 6989225 | 3947 | 0.5      | 37.9     | 9.1      | 76       | 0.05     | 168.8    | 27.2     | 564      | 4.04        | 4.7      | 1.2     | 1.5      | 8        | 89       | 0.049    |
| 11NG0118  | Skookum West | 623598 | 6989274 | 3946 | 0.6      | 10.8     | 5.1      | 128      | 0.05     | 18.9     | 20.7     | 914      | 3.46        | 4.5      | 0.3     | 0.249    | 3.2      | 14       | 0.049    |
| 11NG0117  | Skookum West | 623600 | 6989323 | 3945 | 0.8      | 11.3     | 10.1     | 71       | 0.05     | 18.1     | 10.8     | 489      | 3.07        | 6.2      | 0.5     | 2.6      | 2.4      | 19       | 0.1      |
| 11NG0116  | Skookum West | 623601 | 6989373 | 3944 | 1.1      | 23.3     | 8.4      | 64       | 0.10     | 20.0     | 12.5     | 410      | 3.09        | 6.6      | 0.5     | 3.7      | 3.2      | 18       | 0.049    |
| 11NG0115  | Skookum West | 623598 | 6989425 | 3943 | 0.5      | 27.5     | 5.2      | 138      | 0.05     | 13.4     | 25.9     | 784      | 4.78        | 1.7      | 0.5     | 1.8      | 3.2      | 19       | 0.049    |
| 11NG0114  | Skookum West | 623598 | 6989475 | 3942 | 0.7      | 22.0     | 6.0      | 111      | 0.05     | 16.1     | 20.3     | 502      | 3.71        | 2.8      | 0.7     | 1.5      | 3.4      | 20       | 0.049    |
| 11NG0113  | Skookum West | 623600 | 6989498 | 3941 | 0.7      | 17.7     | 7.0      | 79       | 0.05     | 14.0     | 12       | 411      | 2.92        | 4        | 0.6     | 2.7      | 2.7      | 16       | 0.049    |
| 11NG0112  | Skookum West | 623550 | 6989375 | 3940 | 0.8      | 14.6     | 7.3      | 94       | 0.05     | 14.8     | 14.8     | 577      | 3.24        | 5.4      | 0.3     | 3.8      | 1.8      | 10       | 0.049    |
| 11NG0111  | Skookum West | 623549 | 6989348 | 3939 | 0.8      | 15.6     | 8.1      | 64       | 0.05     | 19.9     | 11.7     | 398      | 2.8         | 6.9      | 0.8     | 4.6      | 4        | 12       | 0.049    |
| 11NG0110  | Skookum West | 623548 | 6989325 | 3938 | 1.0      | 13.9     | 8.8      | 64       | 0.05     | 16.7     | 7.9      | 333      | 2.47        | 6.7      | 0.6     | 2.8      | 2.2      | 14       | 0.049    |
| 11NG0109  | Skookum West | 623548 | 6989299 | 3937 | 1.2      | 30.4     | 11.0     | 66       | 0.10     | 21.8     | 9.4      | 491      | 2.76        | 8.8      | 1.1     | 3.7      | 3.5      | 14       | 0.2      |
| 11NG0108  | Skookum West | 623548 | 6989273 | 3936 | 0.7      | 50.4     | 6.1      | 73       | 0.05     | 176.0    | 30.4     | 410      | 4.99        | 3.9      | 1.1     | 3.4      | 8.2      | 85       | 0.2      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0107  | Skookum West | 623551 | 6989250 | 3935 | 1.0      | 21.9     | 8.8      | 54       | 0.05     | 28.6     | 12.2     | 315      | 3.05        | 9.8      | 0.7     | 4        | 3.9      | 14       | 0.2      |
| 11NG0106  | Skookum West | 623550 | 6989223 | 3934 | 0.6      | 22.2     | 8.7      | 68       | 0.05     | 57.2     | 15.5     | 380      | 3.3         | 6        | 0.7     | 7.2      | 4.1      | 20       | 0.1      |
| 11NG0105  | Skookum West | 623550 | 6989200 | 3933 | 0.9      | 36.5     | 6.7      | 91       | 0.05     | 18.5     | 13.3     | 454      | 3.7         | 4.8      | 0.5     | 6.1      | 3.1      | 11       | 0.049    |
| 11NG0104  | Skookum West | 623550 | 6989174 | 3932 | 1.0      | 35.9     | 13.2     | 77       | 0.40     | 34.5     | 15.7     | 528      | 3.66        | 7.5      | 0.3     | 4.3      | 2.2      | 18       | 0.3      |
| 11NG0103  | Skookum West | 623548 | 6989149 | 3931 | 0.6      | 32.9     | 10.1     | 71       | 0.30     | 32.4     | 14.3     | 439      | 3.16        | 4.7      | 0.3     | 3.4      | 1.7      | 20       | 0.1      |
| 11NG0102  | Skookum West | 623548 | 6989125 | 3930 | 0.9      | 19.1     | 7.7      | 96       | 0.10     | 18.2     | 10.7     | 663      | 3.4         | 6.2      | 1       | 0.249    | 5.7      | 21       | 0.1      |
| 11NG0100  | Skookum West | 623548 | 6989098 | 3928 | 0.9      | 17.0     | 8.7      | 81       | 0.20     | 18.1     | 10.1     | 603      | 3.21        | 8.5      | 0.4     | 8.4      | 2.7      | 20       | 0.2      |
| 11NG0098  | Skookum West | 623550 | 6989048 | 3926 | 0.9      | 12.8     | 8.1      | 65       | 0.20     | 12.1     | 5.3      | 534      | 2.25        | 4.5      | 0.3     | 2.9      | 1.8      | 23       | 0.2      |
| 11NG0097  | Skookum West | 623550 | 6989025 | 3925 | 0.9      | 17.9     | 10.3     | 77       | 0.20     | 12.7     | 10       | 544      | 3.43        | 3.3      | 0.5     | 3.9      | 3.2      | 17       | 0.049    |
| 11NG0096  | Skookum West | 623550 | 6989398 | 3924 | 1.2      | 10.0     | 9.5      | 41       | 0.05     | 8.9      | 5        | 209      | 2.19        | 5.5      | 0.3     | 1.7      | 1.3      | 9        | 0.049    |
| 11NG0095  | Skookum West | 623550 | 6989450 | 3923 | 0.6      | 38.0     | 7.2      | 93       | 0.05     | 15.8     | 13.1     | 694      | 2.87        | 3.9      | 0.6     | 3.8      | 3        | 15       | 0.049    |
| 11NG0094  | Skookum West | 623550 | 6989425 | 3922 | 1.1      | 11.3     | 9.4      | 60       | 0.05     | 12.5     | 6.6      | 335      | 3.21        | 9.4      | 0.4     | 2.7      | 2        | 10       | 0.049    |
| 11NG0093  | Skookum West | 623548 | 6989474 | 3921 | 1.0      | 34.7     | 7.5      | 91       | 0.05     | 16.2     | 13       | 554      | 2.88        | 4.9      | 0.7     | 3.9      | 2.8      | 16       | 0.049    |
| 11NG0092  | Skookum West | 623548 | 6989500 | 3920 | 1.5      | 40.9     | 5.4      | 79       | 0.05     | 12.1     | 12.8     | 528      | 3.18        | 3.3      | 0.6     | 4.4      | 2.7      | 15       | 0.049    |
| 11NG0091  | Skookum West | 623498 | 6989225 | 3890 | 0.5      | 19.7     | 5.7      | 81       | 0.05     | 83.4     | 17.4     | 656      | 3.46        | 3.2      | 0.5     | 1.2      | 3.7      | 80       | 0.049    |
| 11NG0090  | Skookum West | 623500 | 6989275 | 3889 | 1.0      | 21.9     | 11.2     | 71       | 0.05     | 15.1     | 6.5      | 431      | 2.59        | 7.5      | 1       | 4.7      | 3.5      | 19       | 0.2      |
| 11NG0089  | Skookum West | 623500 | 6989325 | 3888 | 0.9      | 12.8     | 8.7      | 53       | 0.05     | 14.8     | 8.4      | 253      | 2.56        | 7.7      | 0.6     | 10.4     | 3.1      | 14       | 0.1      |
| 11NG0088  | Skookum West | 623498 | 6989374 | 3887 | 0.9      | 8.3      | 7.8      | 79       | 0.05     | 10.7     | 7.3      | 558      | 2.59        | 6.8      | 0.4     | 2.1      | 2.6      | 13       | 0.1      |
| 11NG0087  | Skookum West | 623498 | 6989400 | 3886 | 0.6      | 5.0      | 4.8      | 60       | 0.05     | 6.8      | 6.1      | 359      | 1.61        | 2.5      | 0.4     | 1.5      | 1.9      | 8        | 0.049    |
| 11NG0086  | Skookum West | 623500 | 6989423 | 3885 | 0.7      | 8.6      | 8.0      | 91       | 0.05     | 13.3     | 10.8     | 469      | 2.77        | 5.9      | 0.4     | 3.7      | 2.9      | 13       | 0.049    |
| 11NG0085  | Skookum West | 623500 | 6989450 | 3884 | 0.8      | 8.9      | 6.1      | 82       | 0.05     | 9.1      | 6.4      | 470      | 2.4         | 5        | 0.3     | 2.4      | 2        | 18       | 0.1      |
| 11NG0084  | Skookum West | 623500 | 6989473 | 3883 | 0.8      | 11.8     | 8.7      | 77       | 0.05     | 17.8     | 9.8      | 415      | 2.7         | 6.7      | 0.6     | 16.4     | 3.5      | 16       | 0.049    |
| 11NG0083  | Skookum West | 623500 | 6989500 | 3882 | 0.5      | 10.0     | 5.5      | 78       | 0.05     | 12.7     | 9.2      | 454      | 2.37        | 4.7      | 0.5     | 4.5      | 2.8      | 17       | 0.049    |
| 11NG0082  | Skookum West | 623350 | 6989500 | 3881 | 0.7      | 17.0     | 5.2      | 83       | 0.05     | 14.0     | 11.9     | 765      | 2.92        | 4.4      | 0.6     | 3.8      | 3.4      | 14       | 0.049    |
| 11NG0080  | Skookum West | 623350 | 6989473 | 3879 | 1.5      | 13.0     | 7.9      | 66       | 0.05     | 13.7     | 8        | 504      | 3.32        | 6.7      | 0.4     | 3.6      | 2.3      | 11       | 0.1      |
| 11NG0079  | Skookum West | 623350 | 6989450 | 3878 | 0.9      | 15.0     | 6.9      | 81       | 0.05     | 14.8     | 13.3     | 762      | 3.41        | 6.2      | 0.5     | 10.2     | 3.3      | 13       | 0.049    |
| 11NG0078  | Skookum West | 623350 | 6989423 | 3877 | 0.8      | 13.7     | 7.0      | 75       | 0.05     | 14.4     | 10.3     | 537      | 3.03        | 5.6      | 0.5     | 2.5      | 2.6      | 14       | 0.1      |
| 11NG0077  | Skookum West | 623348 | 6989399 | 3876 | 0.9      | 17.1     | 8.0      | 73       | 0.05     | 19.5     | 12.3     | 488      | 3.36        | 7.4      | 0.6     | 5.8      | 3.7      | 17       | 0.1      |
| 11NG0076  | Skookum West | 623348 | 6989375 | 3875 | 0.9      | 18.7     | 7.0      | 74       | 0.05     | 19.4     | 13       | 584      | 3.23        | 6.8      | 0.6     | 3.8      | 3.2      | 17       | 0.049    |
| 11NG0075  | Skookum West | 623347 | 6989348 | 3874 | 1.0      | 22.5     | 7.8      | 77       | 0.05     | 17.3     | 11.4     | 509      | 3.41        | 6.3      | 0.5     | 3.1      | 3        | 18       | 0.049    |
| 11NG0074  | Skookum West | 623350 | 6989325 | 3873 | 0.9      | 26.1     | 8.1      | 64       | 0.05     | 19.7     | 10.6     | 381      | 3.35        | 8.7      | 0.6     | 6.8      | 3.5      | 16       | 0.1      |
| 11NG0073  | Skookum West | 623350 | 6989298 | 3872 | 1.0      | 25.9     | 9.0      | 58       | 0.05     | 22.1     | 9.1      | 323      | 2.91        | 9.3      | 0.8     | 9.9      | 4.1      | 15       | 0.049    |
| 11NG0072  | Skookum West | 623350 | 6989275 | 3871 | 0.9      | 10.8     | 9.1      | 57       | 0.05     | 13.6     | 6.9      | 329      | 2.74        | 7.9      | 0.4     | 3.7      | 1.8      | 13       | 0.1      |
| 11NG0071  | Skookum West | 623199 | 6989297 | 3870 | 0.9      | 13.2     | 7.8      | 66       | 0.05     | 9.9      | 6.1      | 429      | 2.61        | 4.8      | 0.7     | 0.249    | 2.6      | 12       | 0.049    |
| 11NG0070  | Skookum West | 623200 | 6989325 | 3869 | 0.9      | 16.4     | 7.9      | 73       | 0.05     | 19.3     | 10.7     | 429      | 3.12        | 6.8      | 0.6     | 2.5      | 3        | 17       | 0.049    |
| 11NG0069  | Skookum West | 623198 | 6989348 | 3868 | 0.8      | 19.6     | 8.0      | 80       | 0.05     | 22.3     | 13.5     | 485      | 3.61        | 8.4      | 0.6     | 5.6      | 3.5      | 18       | 0.1      |
| 11NG0068  | Skookum West | 623199 | 6989376 | 3867 | 0.7      | 27.5     | 6.6      | 76       | 0.05     | 16.9     | 10.8     | 455      | 3.08        | 6.1      | 0.5     | 1.9      | 3        | 17       | 0.049    |
| 11NG0067  | Skookum West | 623199 | 6989403 | 3866 | 0.8      | 17.2     | 7.7      | 87       | 0.05     | 18.1     | 11.2     | 408      | 3.28        | 6.3      | 0.5     | 1.1      | 2.9      | 17       | 0.1      |
| 11NG0066  | Skookum West | 623198 | 6989425 | 3865 | 1.1      | 17.1     | 8.5      | 75       | 0.05     | 20.9     | 11.8     | 507      | 3.34        | 8.4      | 0.6     | 2.5      | 3.9      | 17       | 0.049    |
| 11NG0065  | Skookum West | 623197 | 6989453 | 3864 | 0.8      | 21.1     | 7.6      | 77       | 0.05     | 18.4     | 13.7     | 560      | 3.21        | 7.3      | 0.6     | 2.5      | 4.2      | 16       | 0.049    |
| 11NG0064  | Skookum West | 623199 | 6989475 | 3863 | 1.0      | 28.6     | 6.6      | 95       | 0.05     | 19.6     | 14.5     | 671      | 3.37        | 6.5      | 0.9     | 5.1      | 4.4      | 21       | 0.049    |
| 11NG0063  | Skookum West | 623200 | 6989500 | 3862 | 1.0      | 16.2     | 8.0      | 105      | 0.05     | 17.3     | 11.6     | 663      | 3.1         | 6.9      | 0.5     | 0.249    | 3.5      | 24       | 0.2      |
| 11NG0062  | Skookum West | 623348 | 6988998 | 3654 | 1.6      | 17.3     | 8.3      | 67       | 0.10     | 25.1     | 9.2      | 523      | 3.07        | 6        | 0.7     | 2.1      | 4.8      | 22       | 0.049    |
| 11NG0060  | Skookum West | 623348 | 6988949 | 3652 | 0.8      | 23.4     | 8.8      | 80       | 0.05     | 17.3     | 12.9     | 591      | 3.9         | 4        | 0.7     | 4.1      | 4.6      | 19       | 0.049    |
| 11NG0059  | Skookum West | 623350 | 6988900 | 3651 | 0.9      | 28.1     | 15.1     | 100      | 0.05     | 14.5     | 10.3     | 699      | 4.71        | 4.8      | 0.7     | 2.7      | 6.5      | 18       | 0.049    |
| 11NG0058  | Skookum West | 623348 | 6988850 | 3650 | 0.9      | 25.1     | 10.2     | 102      | 0.05     | 57.5     | 22.2     | 990      | 4.7         | 5.1      | 0.3     | 5.2      | 1.7      | 29       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0057  | Skookum West | 623348 | 6988800 | 3649 | 0.8      | 29.7     | 7.7      | 98       | 0.10     | 34.8     | 17.5     | 702      | 4.74        | 5.4      | 0.5     | 9.4      | 2.3      | 21       | 0.1      |
| 11NG0056  | Skookum West | 623349 | 6988748 | 3648 | 0.9      | 54.3     | 10.1     | 57       | 0.20     | 96.1     | 23.3     | 639      | 3.08        | 4.2      | 0.4     | 1.4      | 1.5      | 26       | 0.2      |
| 11NG0055  | Skookum West | 623350 | 6988698 | 3647 | 0.8      | 22.0     | 6.2      | 69       | 0.20     | 19.4     | 12.5     | 331      | 2.73        | 3.6      | 0.4     | 0.249    | 1.9      | 18       | 0.1      |
| 11NG0054  | Skookum West | 623348 | 6988649 | 3646 | 1.3      | 29.4     | 9.0      | 79       | 0.20     | 18.7     | 13.5     | 499      | 4.2         | 5.6      | 0.5     | 2        | 2.1      | 26       | 0.1      |
| 11NG0053  | Skookum West | 623348 | 6988600 | 3645 | 1.5      | 41.2     | 10.8     | 83       | 0.40     | 22.9     | 13.1     | 696      | 3.6         | 8        | 1.6     | 17.3     | 3        | 41       | 0.4      |
| 11NG0052  | Skookum West | 623350 | 6988550 | 3644 | 1.3      | 16.0     | 10.3     | 71       | 0.05     | 20.8     | 8.7      | 345      | 2.98        | 8.5      | 0.4     | 3.8      | 3        | 23       | 0.2      |
| 11NG0051  | Skookum West | 623350 | 6988500 | 3643 | 1.5      | 23.0     | 9.8      | 62       | 0.20     | 18.8     | 12.7     | 532      | 3.1         | 7.5      | 0.8     | 2.4      | 3.1      | 35       | 0.3      |
| 11NG0050  | Skookum West | 623150 | 6989499 | 3642 | 1.0      | 21.3     | 5.7      | 110      | 0.05     | 15.5     | 17.5     | 624      | 4.97        | 5.8      | 0.5     | 2.2      | 3.4      | 12       | 0.1      |
| 11NG0049  | Skookum West | 623148 | 6989450 | 3641 | 1.0      | 17.4     | 11.2     | 85       | 0.20     | 16.5     | 10.4     | 641      | 3.19        | 7.3      | 0.6     | 1.2      | 1.9      | 24       | 0.2      |
| 11NG0048  | Skookum West | 623149 | 6989400 | 3640 | 0.7      | 19.0     | 8.7      | 76       | 0.05     | 22.7     | 12.7     | 454      | 3.46        | 8.7      | 0.6     | 3.8      | 3.6      | 21       | 0.049    |
| 11NG0047  | Skookum West | 623150 | 6989350 | 3639 | 1.1      | 23.0     | 9.2      | 79       | 0.05     | 22.2     | 13.2     | 589      | 3.48        | 8.5      | 0.8     | 4.3      | 3.8      | 20       | 0.049    |
| 11NG0046  | Skookum West | 623149 | 6989298 | 3638 | 0.8      | 25.2     | 8.5      | 73       | 0.05     | 26.7     | 13.4     | 492      | 3.34        | 9.1      | 0.8     | 3.1      | 3        | 24       | 0.049    |
| 11NG0045  | Skookum West | 623200 | 6988524 | 3637 | 0.7      | 15.6     | 6.1      | 88       | 0.05     | 13.7     | 10.2     | 562      | 3.79        | 6.1      | 0.8     | 1.2      | 5.6      | 30       | 0.049    |
| 11NG0044  | Skookum West | 623050 | 6989098 | 3636 | 0.6      | 32.4     | 8.5      | 134      | 0.05     | 68.3     | 30.5     | 1386     | 6.12        | 3.6      | 0.8     | 1.3      | 3.9      | 68       | 0.2      |
| 11NG0043  | Skookum West | 622996 | 6988898 | 3635 | 0.9      | 67.9     | 20.9     | 85       | 0.05     | 45.7     | 18.2     | 814      | 4.47        | 6        | 1.1     | 3.2      | 8.3      | 30       | 0.1      |
| 11NG0042  | Skookum West | 622998 | 6988873 | 3634 | 0.7      | 41.7     | 7.7      | 133      | 0.05     | 21.6     | 15.7     | 708      | 4.65        | 5.8      | 0.5     | 0.249    | 3        | 18       | 0.049    |
| 11NG0040  | Skookum West | 622998 | 6988850 | 3632 | 0.7      | 35.6     | 10.1     | 71       | 0.05     | 53.2     | 14       | 463      | 3.35        | 7        | 1.6     | 10.2     | 6.1      | 53       | 0.049    |
| 11NG0039  | Skookum West | 622998 | 6988822 | 3631 | 1.4      | 64.6     | 21.1     | 115      | 0.05     | 20.6     | 13.2     | 819      | 4.31        | 7        | 0.6     | 2.1      | 5.6      | 20       | 0.1      |
| 11NG0038  | Skookum West | 623003 | 6988802 | 3630 | 2.2      | 70.1     | 4.7      | 98       | 0.05     | 6.7      | 7        | 671      | 4.72        | 5.2      | 1.1     | 1.1      | 2.5      | 35       | 0.2      |
| 11NG0037  | Skookum West | 623000 | 6988774 | 3629 | 1.2      | 25.0     | 6.5      | 137      | 0.05     | 12.6     | 10.2     | 1345     | 3.29        | 6        | 0.4     | 3.1      | 2.9      | 39       | 0.2      |
| 11NG0036  | Skookum West | 623000 | 6988750 | 3628 | 1.4      | 13.1     | 7.1      | 71       | 0.05     | 16.1     | 10       | 628      | 3.32        | 7.4      | 0.5     | 4        | 3        | 20       | 0.2      |
| 11NG0035  | Skookum West | 622998 | 6988725 | 3627 | 0.9      | 23.3     | 8.8      | 57       | 0.05     | 26.4     | 10.5     | 288      | 3.09        | 10.5     | 0.6     | 1.6      | 4.5      | 18       | 0.049    |
| 11NG0034  | Skookum West | 622998 | 6988675 | 3626 | 1.5      | 17.0     | 7.1      | 54       | 0.05     | 16.2     | 7.7      | 512      | 2.93        | 5.5      | 0.6     | 0.249    | 4.6      | 18       | 0.1      |
| 11NG0033  | Skookum West | 623000 | 6988625 | 3625 | 0.8      | 16.9     | 10.9     | 91       | 0.05     | 11.5     | 13.4     | 743      | 3.89        | 3.6      | 0.6     | 5        | 3.5      | 15       | 0.1      |
| 11NG0032  | Skookum West | 623000 | 6988573 | 3624 | 0.6      | 17.3     | 10.4     | 81       | 0.05     | 12.2     | 10       | 412      | 2.7         | 3.9      | 0.5     | 2.9      | 2.8      | 16       | 0.049    |
| 11NG0031  | Skookum West | 622998 | 6988523 | 3623 | 0.8      | 8.6      | 6.8      | 77       | 0.05     | 20.1     | 17.8     | 502      | 3.47        | 3.2      | 0.3     | 0.249    | 1.9      | 25       | 0.1      |
| 11NG0030  | Skookum West | 622900 | 6988525 | 3622 | 2.0      | 12.2     | 13.5     | 69       | 0.05     | 12.6     | 6        | 563      | 2.25        | 9.1      | 0.5     | 0.249    | 3.9      | 21       | 0.1      |
| 11NG0029  | Skookum West | 622900 | 6988574 | 3621 | 2.4      | 37.9     | 6.7      | 114      | 0.05     | 10.1     | 15.8     | 770      | 4.69        | 8.2      | 0.6     | 0.249    | 3.4      | 20       | 0.1      |
| 11NG0028  | Skookum West | 622898 | 6988623 | 3620 | 0.4      | 18.6     | 5.0      | 99       | 0.05     | 3.7      | 11.4     | 794      | 4.13        | 2.2      | 0.2     | 0.249    | 0.8      | 29       | 0.049    |
| 11NG0027  | Skookum West | 622898 | 6988673 | 3619 | 0.5      | 15.6     | 5.5      | 98       | 0.05     | 12.0     | 15.7     | 472      | 4.29        | 5.2      | 0.3     | 2.3      | 2.3      | 11       | 0.049    |
| 11NG0026  | Skookum West | 622900 | 6988725 | 3618 | 0.8      | 19.0     | 5.7      | 116      | 0.05     | 15.9     | 18.3     | 853      | 4.75        | 5.9      | 0.4     | 0.249    | 3        | 20       | 0.049    |
| 11NG0025  | Skookum West | 622999 | 6989422 | 3617 | 0.7      | 16.5     | 6.4      | 84       | 0.05     | 15.3     | 12.7     | 544      | 3.31        | 4.8      | 0.6     | 3.7      | 4.5      | 16       | 0.049    |
| 11NG0024  | Skookum West | 622998 | 6989450 | 3616 | 1.0      | 16.5     | 7.2      | 78       | 0.05     | 15.5     | 11.5     | 495      | 3.4         | 5.9      | 0.6     | 77.3     | 4.4      | 14       | 0.049    |
| 11NG0023  | Skookum West | 622997 | 6989477 | 3615 | 1.0      | 18.8     | 9.6      | 67       | 0.05     | 18.4     | 9.9      | 374      | 3.33        | 7        | 0.9     | 5.8      | 4.3      | 19       | 0.049    |
| 11NG0022  | Skookum West | 623000 | 6989500 | 3614 | 1.2      | 23.1     | 9.2      | 73       | 0.05     | 29.0     | 11.7     | 477      | 3.55        | 7        | 1       | 2.4      | 4.7      | 21       | 0.049    |
| 11NG0020  | Skookum West | 622948 | 6988974 | 3612 | 1.2      | 22.3     | 9.1      | 73       | 0.05     | 14.0     | 9.5      | 376      | 2.91        | 4.9      | 0.4     | 8.2      | 1.5      | 13       | 0.1      |
| 11NG0019  | Skookum West | 622948 | 6988948 | 3611 | 0.7      | 28.3     | 11.8     | 64       | 0.10     | 22.0     | 9.6      | 312      | 2.79        | 6.8      | 0.8     | 6.1      | 3.1      | 27       | 0.049    |
| 11NG0018  | Skookum West | 622948 | 6988926 | 3610 | 1.3      | 53.1     | 7.0      | 99       | 0.05     | 21.8     | 15.3     | 800      | 4.3         | 5.7      | 0.5     | 2.3      | 2.6      | 16       | 0.049    |
| 11NG0017  | Skookum West | 622949 | 6988898 | 3609 | 1.0      | 17.7     | 10.8     | 76       | 0.05     | 18.4     | 10.9     | 559      | 4.14        | 8.2      | 0.6     | 2.4      | 3.4      | 16       | 0.1      |
| 11NG0016  | Skookum West | 622953 | 6988876 | 3608 | 0.9      | 32.2     | 8.3      | 65       | 0.05     | 25.3     | 10.9     | 369      | 3.17        | 8.6      | 0.7     | 5.8      | 3.9      | 18       | 0.049    |
| 11NG0015  | Skookum West | 622950 | 6988848 | 3607 | 1.1      | 18.0     | 10.1     | 58       | 0.05     | 21.4     | 9.1      | 364      | 3.69        | 9.2      | 0.6     | 2.6      | 3.2      | 15       | 0.1      |
| 11NG0014  | Skookum West | 622950 | 6988825 | 3606 | 1.1      | 21.5     | 11.4     | 53       | 0.05     | 25.4     | 9.2      | 506      | 3.19        | 8.9      | 0.7     | 2.9      | 2.6      | 15       | 0.049    |
| 11NG0013  | Skookum West | 622948 | 6988800 | 3605 | 1.5      | 16.9     | 10.4     | 57       | 0.05     | 20.4     | 9.7      | 373      | 3.52        | 9.4      | 0.7     | 2.5      | 3.7      | 15       | 0.049    |
| 11NG0012  | Skookum West | 622948 | 6988773 | 3604 | 0.4      | 13.0     | 3.0      | 81       | 0.05     | 9.8      | 15       | 794      | 3.88        | 3.3      | 0.3     | 0.249    | 5.3      | 11       | 0.049    |
| 11NG0011  | Skookum West | 622948 | 6988750 | 3603 | 0.8      | 11.4     | 7.1      | 79       | 0.05     | 15.5     | 12.4     | 1173     | 3.86        | 5.8      | 0.4     | 0.5      | 2.9      | 13       | 0.049    |
| 11NG0010  | Skookum West | 622947 | 6988723 | 3602 | 1.0      | 18.3     | 6.0      | 73       | 0.05     | 13.5     | 8.2      | 586      | 3.54        | 5.3      | 0.6     | 1.2      | 4.3      | 12       | 0.1      |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11NG0009  | Skookum West  | 622950 | 6988700 | 3601 | 0.5      | 12.3     | 3.2      | 93       | 0.05     | 10.6     | 20.2     | 645      | 4.1         | 3.6      | 0.3     | 0.249    | 2        | 12       | 0.049    |
| 11NG0008  | Skookum West  | 622950 | 6988674 | 3600 | 0.6      | 24.7     | 4.4      | 105      | 0.05     | 14.8     | 19.4     | 584      | 4.47        | 4.5      | 0.5     | 0.249    | 4        | 13       | 0.049    |
| 11NG0007  | Skookum West  | 622950 | 6988648 | 3599 | 0.6      | 18.3     | 6.7      | 108      | 0.05     | 14.9     | 16.8     | 603      | 4.5         | 4.3      | 0.4     | 0.249    | 3.5      | 14       | 0.049    |
| 11NG0006  | Skookum West  | 622948 | 6988625 | 3598 | 0.6      | 12.6     | 4.1      | 111      | 0.05     | 11.6     | 22       | 1153     | 5.45        | 3.4      | 0.4     | 2.9      | 1.8      | 17       | 0.049    |
| 11NG0005  | Skookum West  | 622948 | 6988598 | 3597 | 0.8      | 16.0     | 12.9     | 49       | 0.05     | 15.7     | 9        | 552      | 2.55        | 2.8      | 0.4     | 0.8      | 2        | 17       | 0.049    |
| 11NG0004  | Skookum West  | 622948 | 6988575 | 3596 | 0.7      | 16.0     | 14.0     | 126      | 0.05     | 16.0     | 14.2     | 785      | 4.29        | 2.9      | 0.4     | 3.6      | 4.1      | 20       | 0.049    |
| 11NG0003  | Skookum West  | 622948 | 6988548 | 3595 | 1.5      | 18.0     | 13.7     | 56       | 0.05     | 22.6     | 12       | 431      | 2.85        | 6.8      | 0.4     | 0.249    | 2.6      | 22       | 0.049    |
| 11NG0002  | Skookum West  | 622950 | 6988525 | 3594 | 1.1      | 12.4     | 11.1     | 66       | 0.05     | 8.9      | 8.5      | 308      | 2.96        | 4.3      | 0.5     | 0.249    | 6.4      | 14       | 0.049    |
| 11NG0001  | Skookum West  | 622950 | 6988500 | 3593 | 1.8      | 14.8     | 15.6     | 77       | 0.05     | 19.6     | 7.6      | 357      | 2.69        | 16.7     | 0.6     | 0.249    | 4.2      | 11       | 0.049    |
| 11MS0297  | Alberta Creek | 635406 | 6986901 | 9520 | 0.2      | 15.0     | 5.1      | 29       | 0.05     | 14.0     | 5.8      | 252      | 1.57        | 1.8      | 0.6     | 0.6      | 2        | 71       | 0.3      |
| 11MS0296  | Alberta Creek | 635404 | 6986951 | 9519 | 0.2      | 25.3     | 6.8      | 52       | 0.05     | 21.3     | 12.4     | 260      | 2.91        | 4.5      | 1.3     | 12.8     | 2.9      | 52       | 0.3      |
| 11MS0295  | Alberta Creek | 635402 | 6987001 | 9518 | 0.4      | 27.2     | 6.3      | 56       | 0.05     | 19.7     | 15.1     | 777      | 2.91        | 4.6      | 2.1     | 29.2     | 4.7      | 42       | 0.2      |
| 11MS0294  | Alberta Creek | 635400 | 6987051 | 9517 | 0.3      | 11.2     | 3.6      | 62       | 0.05     | 22.3     | 24       | 596      | 3.6         | 4.1      | 0.8     | 6.1      | 4        | 29       | 0.049    |
| 11MS0293  | Alberta Creek | 635398 | 6987101 | 9516 | 0.3      | 15.2     | 6.0      | 71       | 0.05     | 31.0     | 19       | 605      | 3.94        | 5.1      | 0.7     | 5.8      | 4.8      | 38       | 0.049    |
| 11MS0292  | Alberta Creek | 635396 | 6987151 | 9515 | 0.5      | 12.5     | 5.9      | 63       | 0.05     | 27.5     | 20.7     | 378      | 4.42        | 4.7      | 0.5     | 1.8      | 5.2      | 28       | 0.049    |
| 11MS0291  | Alberta Creek | 635394 | 6987201 | 9514 | 0.7      | 17.3     | 5.1      | 67       | 0.05     | 86.9     | 32.3     | 579      | 6.38        | 4        | 0.7     | 0.5      | 6.2      | 53       | 0.049    |
| 11MS0290  | Alberta Creek | 635392 | 6987251 | 9513 | 67.0     | 15.8     | 16.7     | 56       | 0.80     | 48.7     | 12.9     | 358      | 3.34        | 6.6      | 0.8     | 33.6     | 5.5      | 26       | 0.049    |
| 11MS0289  | Alberta Creek | 635390 | 6987301 | 9512 | 0.6      | 8.6      | 8.4      | 54       | 0.05     | 12.8     | 8.3      | 473      | 2.67        | 5        | 0.4     | 156.7    | 2.9      | 26       | 0.1      |
| 11MS0288  | Alberta Creek | 635388 | 6987351 | 9511 | 0.6      | 10.8     | 7.4      | 60       | 0.05     | 13.4     | 7.2      | 425      | 2.48        | 3.5      | 0.7     | 2.1      | 3.1      | 50       | 0.2      |
| 11MS0287  | Alberta Creek | 635386 | 6987401 | 9510 | 0.4      | 21.0     | 7.9      | 82       | 0.05     | 20.9     | 11.9     | 527      | 3.21        | 5.3      | 0.8     | 20.6     | 3.8      | 53       | 0.1      |
| 11MS0286  | Alberta Creek | 635586 | 6987409 | 9509 | 0.5      | 10.7     | 7.0      | 84       | 0.05     | 11.6     | 8.9      | 696      | 3.23        | 3.4      | 0.5     | 10.6     | 4.5      | 37       | 0.049    |
| 11MS0285  | Alberta Creek | 635588 | 6987359 | 9508 | 0.5      | 12.2     | 8.4      | 71       | 0.05     | 10.3     | 7.8      | 607      | 3.01        | 3.3      | 0.7     | 16.9     | 3.9      | 36       | 0.1      |
| 11MS0284  | Alberta Creek | 635590 | 6987309 | 9507 | 0.4      | 7.9      | 4.4      | 108      | 0.05     | 11.8     | 13.7     | 894      | 4.57        | 2.3      | 0.5     | 0.249    | 2.4      | 36       | 0.1      |
| 11MS0283  | Alberta Creek | 635592 | 6987260 | 9506 | 0.4      | 17.4     | 11.3     | 103      | 0.05     | 37.2     | 19.6     | 941      | 5.16        | 5.2      | 0.5     | 13       | 2.2      | 62       | 0.049    |
| 11MS0282  | Alberta Creek | 635594 | 6987210 | 9505 | 1.0      | 13.0     | 9.3      | 74       | 0.05     | 17.3     | 9.7      | 457      | 3.29        | 7.6      | 0.4     | 9.5      | 3.3      | 36       | 0.1      |
| 11MS0280  | Alberta Creek | 635596 | 6987160 | 9503 | 0.6      | 15.5     | 6.4      | 57       | 0.05     | 21.3     | 10.3     | 431      | 2.95        | 7.9      | 0.7     | 4.9      | 3.7      | 32       | 0.049    |
| 11MS0279  | Alberta Creek | 635598 | 6987110 | 9502 | 0.7      | 19.3     | 7.3      | 62       | 0.10     | 23.2     | 10.1     | 624      | 2.78        | 4        | 0.8     | 43.1     | 3.5      | 43       | 0.2      |
| 11MS0278  | Alberta Creek | 635600 | 6987060 | 9501 | 0.6      | 23.6     | 8.3      | 60       | 0.05     | 25.2     | 11.9     | 437      | 3.04        | 6.6      | 0.6     | 5.8      | 4.8      | 37       | 0.049    |
| 11MS0277  | Alberta Creek | 635602 | 6987010 | 9500 | 0.6      | 20.4     | 6.4      | 70       | 0.05     | 17.2     | 9.1      | 656      | 3.05        | 5.1      | 1.1     | 8        | 5.4      | 33       | 0.049    |
| 11MS0276  | Alberta Creek | 635604 | 6986960 | 9499 | 0.6      | 16.3     | 7.2      | 60       | 0.05     | 23.3     | 10.7     | 677      | 3.28        | 4.3      | 0.8     | 37.5     | 3.7      | 38       | 0.049    |
| 11MS0275  | Alberta Creek | 635606 | 6986910 | 9498 | 0.5      | 23.4     | 5.7      | 70       | 0.05     | 30.1     | 14.8     | 529      | 3.23        | 3.9      | 1.5     | 7.1      | 8.4      | 36       | 0.1      |
| 11MS0274  | Alberta Creek | 635207 | 6986893 | 9497 | 0.3      | 65.6     | 6.1      | 59       | 0.05     | 28.6     | 10.9     | 520      | 2.67        | 2.2      | 0.8     | 3        | 2.6      | 38       | 0.2      |
| 11MS0273  | Alberta Creek | 635204 | 6986943 | 9496 | 0.4      | 40.8     | 6.8      | 57       | 0.10     | 26.0     | 10.3     | 369      | 2.59        | 6.2      | 0.7     | 11.5     | 3.7      | 32       | 0.2      |
| 11MS0272  | Alberta Creek | 635202 | 6986993 | 9495 | 0.3      | 56.6     | 7.4      | 56       | 0.10     | 24.4     | 10.5     | 434      | 2.49        | 5.4      | 0.6     | 6.2      | 3        | 34       | 0.1      |
| 11MS0271  | Alberta Creek | 635200 | 6987043 | 9494 | 0.2      | 67.3     | 4.9      | 41       | 0.05     | 14.6     | 7        | 299      | 1.93        | 2.5      | 0.6     | 3.8      | 2.3      | 45       | 0.1      |
| 11MS0270  | Alberta Creek | 635198 | 6987093 | 9493 | 0.2      | 97.1     | 5.7      | 56       | 0.05     | 14.9     | 7.3      | 460      | 2.31        | 2.3      | 0.7     | 1.8      | 1.9      | 41       | 0.1      |
| 11MS0269  | Alberta Creek | 635196 | 6987143 | 9492 | 0.5      | 72.1     | 7.7      | 48       | 0.05     | 22.6     | 10.7     | 466      | 2.61        | 6.2      | 1       | 1        | 2.7      | 28       | 0.1      |
| 11MS0268  | Alberta Creek | 635194 | 6987193 | 9491 | 0.2      | 46.7     | 3.9      | 97       | 0.05     | 214.1    | 31.8     | 592      | 6.03        | 0.249    | 0.9     | 3        | 2.9      | 20       | 0.049    |
| 11MS0267  | Alberta Creek | 635192 | 6987243 | 9490 | 0.5      | 34.3     | 8.6      | 52       | 0.10     | 33.8     | 11.7     | 422      | 2.68        | 7.9      | 0.7     | 2.7      | 3.3      | 28       | 0.049    |
| 11MS0266  | Alberta Creek | 635190 | 6987293 | 9489 | 0.3      | 35.1     | 7.7      | 44       | 0.10     | 24.5     | 9.7      | 428      | 2.36        | 5.7      | 0.8     | 4.1      | 2        | 39       | 0.2      |
| 11MS0265  | Alberta Creek | 634990 | 6987284 | 9488 | 0.3      | 27.4     | 9.1      | 51       | 0.10     | 21.3     | 9.2      | 443      | 2.28        | 3.9      | 0.8     | 5.3      | 2.3      | 30       | 0.2      |
| 11MS0264  | Alberta Creek | 634992 | 6987234 | 9487 | 0.1      | 40.4     | 3.7      | 53       | 0.05     | 20.9     | 6.9      | 452      | 1.86        | 0.249    | 0.6     | 5.6      | 1.4      | 54       | 0.2      |
| 11MS0263  | Alberta Creek | 634994 | 6987184 | 9486 | 0.4      | 14.4     | 6.3      | 41       | 0.10     | 15.2     | 5.1      | 278      | 1.48        | 0.249    | 0.5     | 1.6      | 1.3      | 75       | 0.2      |
| 11MS0262  | Alberta Creek | 634996 | 6987134 | 9485 | 0.2      | 66.1     | 3.4      | 37       | 0.05     | 17.3     | 5.9      | 502      | 1.71        | 0.249    | 1.3     | 0.9      | 1.1      | 75       | 0.1      |
| 11MS0260  | Alberta Creek | 634998 | 6987084 | 9483 | 0.5      | 112.8    | 8.2      | 67       | 0.20     | 20.0     | 8.7      | 706      | 3.16        | 3.6      | 0.9     | 8.5      | 3        | 40       | 0.2      |
| 11MS0259  | Alberta Creek | 635000 | 6987034 | 9482 | 0.3      | 21.9     | 5.1      | 36       | 0.05     | 13.7     | 6.6      | 429      | 1.63        | 0.249    | 0.7     | 2        | 1.1      | 45       | 0.2      |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11MS0258  | Alberta Creek | 635002 | 6986984 | 9481 | 0.3      | 35.3     | 5.5      | 61       | 0.05     | 15.3     | 7.6      | 419      | 2.22        | 3.5      | 0.6     | 1.9      | 2.2      | 51       | 0.049    |
| 11MS0257  | Alberta Creek | 635005 | 6986934 | 9480 | 0.0      | 16.0     | 1.8      | 59       | 0.05     | 9.3      | 3.4      | 331      | 1.22        | 0.249    | 0.6     | 0.249    | 0.9      | 33       | 0.049    |
| 11MS0256  | Alberta Creek | 634760 | 6987975 | 9479 | 0.4      | 6.5      | 5.1      | 104      | 0.05     | 11.3     | 11.6     | 826      | 3.65        | 2.9      | 0.7     | 7.8      | 2.7      | 43       | 0.1      |
| 11MS0255  | Alberta Creek | 634663 | 6987921 | 9478 | 0.4      | 11.5     | 5.5      | 91       | 0.05     | 16.4     | 11.1     | 643      | 3.47        | 3.5      | 0.7     | 12.9     | 3        | 34       | 0.1      |
| 11MS0254  | Alberta Creek | 634665 | 6987871 | 9477 | 0.9      | 8.7      | 6.6      | 87       | 0.05     | 12.8     | 13.8     | 797      | 3.97        | 6.6      | 0.5     | 4        | 2.7      | 23       | 0.049    |
| 11MS0253  | Alberta Creek | 634667 | 6987821 | 9476 | 0.6      | 10.6     | 7.1      | 49       | 0.05     | 11.5     | 6        | 211      | 2.52        | 5.3      | 0.6     | 4.2      | 2.3      | 20       | 0.049    |
| 11MS0252  | Alberta Creek | 634669 | 6987771 | 9475 | 0.7      | 16.4     | 4.6      | 104      | 0.05     | 19.1     | 17.4     | 887      | 4.39        | 6.9      | 0.6     | 1.9      | 3.4      | 28       | 0.1      |
| 11MS0251  | Alberta Creek | 634671 | 6987721 | 9474 | 0.7      | 14.7     | 7.3      | 52       | 0.05     | 14.0     | 7.5      | 310      | 2.7         | 6.9      | 0.7     | 4.7      | 3.7      | 22       | 0.049    |
| 11MS0250  | Alberta Creek | 634673 | 6987671 | 9473 | 0.5      | 10.2     | 6.5      | 58       | 0.05     | 12.6     | 11.4     | 436      | 3.61        | 6.1      | 0.7     | 1.5      | 4.4      | 18       | 0.049    |
| 11MS0249  | Alberta Creek | 634675 | 6987621 | 9472 | 0.8      | 13.6     | 6.1      | 65       | 0.05     | 16.4     | 9.9      | 365      | 3.35        | 6.2      | 0.5     | 7.9      | 3.3      | 28       | 0.049    |
| 11MS0248  | Alberta Creek | 634691 | 6987272 | 9471 | 0.3      | 35.8     | 6.6      | 63       | 0.05     | 18.9     | 9.4      | 503      | 2.6         | 3.8      | 0.6     | 2.5      | 2.1      | 36       | 0.2      |
| 11MS0247  | Alberta Creek | 634693 | 6987222 | 9470 | 0.3      | 33.1     | 7.0      | 54       | 0.10     | 21.6     | 8.8      | 306      | 2.3         | 4        | 0.4     | 2.5      | 2.3      | 40       | 0.2      |
| 11MS0246  | Alberta Creek | 634695 | 6987172 | 9469 | 0.3      | 5.9      | 3.8      | 15       | 0.05     | 9.9      | 2.3      | 162      | 0.59        | 1.1      | 0.3     | 0.249    | 0.5      | 89       | 0.3      |
| 11MS0245  | Alberta Creek | 634697 | 6987122 | 9468 | 0.1      | 11.4     | 4.0      | 25       | 0.05     | 5.2      | 2        | 422      | 0.63        | 1.1      | 0.3     | 0.249    | 0.7      | 48       | 0.2      |
| 11MS0244  | Alberta Creek | 634699 | 6987072 | 9467 | 0.6      | 16.3     | 4.9      | 37       | 0.05     | 8.3      | 2.8      | 191      | 0.81        | 1.5      | 0.6     | 0.249    | 0.4      | 88       | 0.1      |
| 11MS0243  | Alberta Creek | 634151 | 6988200 | 9466 | 0.4      | 14.4     | 7.7      | 92       | 0.05     | 24.5     | 13.4     | 758      | 3.69        | 4.5      | 0.9     | 9.8      | 3.5      | 52       | 0.1      |
| 11MS0242  | Alberta Creek | 634153 | 6988150 | 9465 | 0.4      | 14.5     | 7.1      | 90       | 0.05     | 22.4     | 12.5     | 768      | 3.42        | 4.2      | 0.9     | 7.4      | 3.2      | 50       | 0.1      |
| 11MS0240  | Alberta Creek | 634158 | 6988054 | 9463 | 0.4      | 14.0     | 7.0      | 80       | 0.05     | 13.9     | 11.2     | 722      | 3.12        | 4.4      | 0.8     | 13.3     | 3.2      | 42       | 0.2      |
| 11MS0239  | Alberta Creek | 634159 | 6988000 | 9462 | 0.5      | 10.0     | 5.8      | 96       | 0.05     | 10.1     | 11.6     | 725      | 3.49        | 4.1      | 0.5     | 0.7      | 3        | 37       | 0.1      |
| 11MS0238  | Alberta Creek | 634161 | 6987950 | 9461 | 0.4      | 9.6      | 5.9      | 96       | 0.05     | 10.8     | 11.8     | 725      | 3.5         | 4.2      | 0.5     | 2.3      | 3.1      | 38       | 0.1      |
| 11MS0237  | Alberta Creek | 634163 | 6987900 | 9460 | 0.5      | 24.7     | 6.3      | 93       | 0.05     | 12.3     | 10.1     | 619      | 3.3         | 4.1      | 0.5     | 1        | 2.1      | 38       | 0.1      |
| 11MS0236  | Alberta Creek | 634165 | 6987850 | 9459 | 0.5      | 20.7     | 5.9      | 88       | 0.05     | 12.0     | 9.6      | 585      | 3.23        | 3.9      | 0.5     | 0.7      | 2        | 36       | 0.1      |
| 11MS0235  | Alberta Creek | 634168 | 6987800 | 9458 | 0.5      | 8.4      | 6.6      | 118      | 0.05     | 16.4     | 14.6     | 1362     | 5.22        | 6.2      | 0.7     | 2.3      | 7.7      | 29       | 0.049    |
| 11MS0234  | Alberta Creek | 634170 | 6987750 | 9457 | 0.5      | 8.5      | 6.8      | 119      | 0.05     | 15.9     | 14.5     | 1309     | 5.27        | 6.3      | 0.7     | 2.3      | 8        | 28       | 0.049    |
| 11MS0233  | Alberta Creek | 634172 | 6987700 | 9456 | 0.3      | 49.9     | 7.7      | 56       | 0.10     | 19.1     | 9        | 397      | 2.27        | 5.3      | 0.8     | 6.8      | 2.1      | 53       | 0.3      |
| 11MS0232  | Alberta Creek | 634174 | 6987650 | 9455 | 0.5      | 63.9     | 10.5     | 56       | 0.10     | 22.2     | 12.1     | 650      | 2.65        | 7.6      | 0.9     | 0.8      | 1.7      | 53       | 0.1      |
| 11MS0231  | Alberta Creek | 634176 | 6987600 | 9454 | 0.3      | 31.0     | 7.9      | 50       | 0.05     | 15.8     | 8        | 461      | 2           | 4.9      | 0.9     | 0.249    | 1.3      | 50       | 0.2      |
| 11MS0230  | Alberta Creek | 634178 | 6987550 | 9453 | 0.4      | 31.4     | 12.2     | 50       | 0.10     | 23.0     | 10.2     | 312      | 2.52        | 9        | 0.5     | 1.4      | 2.5      | 43       | 0.2      |
| 11MS0229  | Alberta Creek | 634180 | 6987500 | 9452 | 0.5      | 36.2     | 9.9      | 59       | 0.10     | 19.4     | 8.8      | 385      | 2.69        | 7.8      | 0.4     | 1.3      | 2.3      | 46       | 0.2      |
| 11MS0228  | Alberta Creek | 634182 | 6987450 | 9451 | 1.4      | 18.8     | 7.6      | 45       | 0.05     | 17.3     | 7.6      | 403      | 1.83        | 5.6      | 0.5     | 3        | 2        | 77       | 0.3      |
| 11MS0227  | Alberta Creek | 634190 | 6987251 | 9450 | 0.9      | 68.9     | 4.6      | 95       | 0.05     | 25.3     | 13.3     | 1145     | 4.9         | 8.2      | 0.8     | 1.9      | 6.8      | 31       | 0.1      |
| 11MS0226  | Alberta Creek | 634192 | 6987201 | 9449 | 9.1      | 54.8     | 11.2     | 85       | 0.20     | 36.3     | 14.8     | 464      | 3.36        | 9.1      | 1.3     | 6.3      | 4.9      | 18       | 0.2      |
| 11MS0225  | Alberta Creek | 634195 | 6987151 | 9448 | 2.1      | 29.0     | 9.4      | 40       | 0.50     | 20.3     | 8.1      | 181      | 2.32        | 6.5      | 1       | 2.5      | 4.1      | 21       | 0.049    |
| 11MS0224  | Alberta Creek | 634197 | 6987101 | 9447 | 1.2      | 79.0     | 5.8      | 71       | 0.20     | 49.0     | 20       | 1003     | 4.37        | 3.7      | 0.4     | 1.2      | 1.5      | 66       | 0.1      |
| 11MS0223  | Alberta Creek | 634199 | 6987051 | 9446 | 0.6      | 25.8     | 6.7      | 54       | 0.20     | 38.7     | 11       | 453      | 3.11        | 3.2      | 0.7     | 1.6      | 3.8      | 120      | 0.1      |
| 11MS0222  | Alberta Creek | 634051 | 6988196 | 9445 | 0.7      | 12.1     | 6.7      | 59       | 0.05     | 13.1     | 9        | 433      | 2.69        | 4.2      | 0.7     | 11.2     | 3.8      | 27       | 0.049    |
| 11MS0220  | Alberta Creek | 634065 | 6987846 | 9443 | 0.4      | 24.0     | 6.1      | 83       | 0.05     | 16.2     | 11.1     | 710      | 2.93        | 2.6      | 0.9     | 6.8      | 1.5      | 60       | 0.2      |
| 11MS0219  | Alberta Creek | 634069 | 6987800 | 9442 | 0.3      | 19.2     | 6.1      | 96       | 0.05     | 21.7     | 13.2     | 1003     | 3.84        | 3.2      | 0.6     | 3.8      | 2.4      | 62       | 0.3      |
| 11MS0218  | Alberta Creek | 634074 | 6987646 | 9441 | 0.4      | 37.5     | 8.1      | 47       | 0.05     | 18.8     | 8.8      | 508      | 2.14        | 5.3      | 0.6     | 4        | 1.3      | 43       | 0.3      |
| 11MS0217  | Alberta Creek | 634081 | 6987598 | 9440 | 0.4      | 74.3     | 9.6      | 59       | 0.10     | 22.3     | 10.1     | 325      | 2.5         | 6.8      | 0.4     | 5.4      | 3.1      | 43       | 0.049    |
| 11MS0216  | Alberta Creek | 634073 | 6987550 | 9439 | 0.5      | 33.9     | 9.4      | 48       | 0.10     | 21.3     | 9.5      | 299      | 2.27        | 6.4      | 0.6     | 2.7      | 1.9      | 49       | 0.4      |
| 11MS0215  | Alberta Creek | 634078 | 6987500 | 9438 | 0.7      | 53.7     | 11.8     | 64       | 0.20     | 20.7     | 12.5     | 562      | 2.87        | 4.3      | 0.7     | 4.8      | 1.3      | 51       | 0.4      |
| 11MS0214  | Alberta Creek | 634079 | 6987443 | 9437 | 4.8      | 96.7     | 6.3      | 125      | 0.05     | 143.5    | 49.2     | 1377     | 8.53        | 3        | 0.9     | 2        | 2.4      | 119      | 0.3      |
| 11MS0213  | Alberta Creek | 634080 | 6987398 | 9436 | 0.7      | 52.2     | 3.0      | 108      | 0.05     | 16.3     | 15.9     | 1369     | 5.46        | 3.7      | 0.5     | 0.8      | 3.4      | 13       | 0.049    |
| 11MS0212  | Alberta Creek | 634083 | 6987341 | 9435 | 1.3      | 57.7     | 8.5      | 97       | 0.05     | 14.8     | 11.4     | 719      | 4.28        | 6        | 0.6     | 3        | 4.2      | 15       | 0.049    |
| 11MS0211  | Alberta Creek | 634093 | 6987243 | 9434 | 0.4      | 23.8     | 7.0      | 52       | 0.05     | 24.8     | 9.9      | 396      | 2.62        | 7.1      | 1.1     | 2.9      | 4.3      | 37       | 0.049    |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11MS0210  | Alberta Creek | 634090 | 6987192 | 9433 | 0.3      | 31.0     | 4.0      | 73       | 0.05     | 94.7     | 28.7     | 538      | 4.54        | 3        | 0.3     | 2.3      | 1.6      | 119      | 0.049    |
| 11MS0209  | Alberta Creek | 634098 | 6987150 | 9432 | 0.6      | 15.5     | 7.6      | 44       | 0.05     | 13.9     | 7.5      | 294      | 2.69        | 5.8      | 0.5     | 2.9      | 2.7      | 36       | 0.049    |
| 11MS0208  | Alberta Creek | 634097 | 6987097 | 9431 | 0.4      | 11.7     | 5.3      | 59       | 0.05     | 14.9     | 10.5     | 650      | 3.04        | 2.5      | 0.4     | 0.9      | 1.6      | 123      | 0.2      |
| 11MS0207  | Alberta Creek | 634099 | 6987047 | 9430 | 0.6      | 11.2     | 5.9      | 58       | 0.10     | 14.9     | 10.3     | 703      | 3.08        | 3.1      | 0.4     | 0.7      | 1.7      | 109      | 0.1      |
| 11MS0206  | Alberta Creek | 633674 | 6987582 | 9429 | 0.1      | 45.5     | 1.4      | 77       | 0.05     | 12.9     | 10.8     | 973      | 4.02        | 0.9      | 0.4     | 1.1      | 2.7      | 10       | 0.049    |
| 11MS0205  | Alberta Creek | 633677 | 6987535 | 9428 | 8.2      | 47.7     | 7.1      | 75       | 0.10     | 39.1     | 15.7     | 662      | 3.43        | 6.1      | 0.6     | 15.9     | 2.4      | 27       | 0.4      |
| 11MS0204  | Alberta Creek | 633680 | 6987479 | 9427 | 0.9      | 17.1     | 9.3      | 45       | 0.05     | 17.6     | 9.3      | 352      | 2.7         | 9        | 1.1     | 2.6      | 4.5      | 17       | 0.049    |
| 11MS0203  | Alberta Creek | 633683 | 6987429 | 9426 | 0.6      | 37.0     | 6.8      | 56       | 0.05     | 12.8     | 9.4      | 485      | 3.35        | 3.9      | 0.5     | 4.3      | 4.9      | 25       | 0.049    |
| 11MS0202  | Alberta Creek | 633681 | 6987377 | 9425 | 1.0      | 15.5     | 8.9      | 40       | 0.05     | 12.8     | 6.9      | 292      | 2.24        | 6.4      | 0.9     | 2        | 4.2      | 19       | 0.049    |
| 11MS0200  | Alberta Creek | 633686 | 6987336 | 9423 | 0.5      | 10.6     | 5.8      | 59       | 0.05     | 19.2     | 9.8      | 736      | 3.02        | 2        | 0.6     | 9.3      | 2.6      | 88       | 0.049    |
| 11MS0199  | Alberta Creek | 633689 | 6987280 | 9422 | 0.4      | 7.4      | 8.3      | 113      | 0.05     | 18.1     | 12       | 877      | 3.94        | 1.4      | 0.6     | 1.2      | 3.5      | 89       | 0.1      |
| 11MS0197  | Alberta Creek | 633598 | 6987076 | 9420 | 0.3      | 6.7      | 4.3      | 74       | 0.05     | 8.1      | 9.7      | 731      | 3.72        | 2.5      | 0.4     | 2.4      | 2.8      | 76       | 0.049    |
| 11MS0196  | Alberta Creek | 633595 | 6987125 | 9419 | 1.1      | 8.5      | 8.3      | 46       | 0.10     | 10.4     | 6.6      | 310      | 3.02        | 7        | 0.3     | 0.7      | 2        | 29       | 0.1      |
| 11MS0195  | Alberta Creek | 633592 | 6987184 | 9418 | 1.0      | 9.1      | 7.0      | 55       | 0.10     | 11.2     | 7.4      | 329      | 2.94        | 5.8      | 0.3     | 1.2      | 2.2      | 37       | 0.1      |
| 11MS0194  | Alberta Creek | 633591 | 6987225 | 9417 | 0.6      | 3.4      | 4.3      | 76       | 0.05     | 5.3      | 10.3     | 669      | 3.77        | 2.6      | 0.4     | 0.6      | 4.7      | 109      | 0.049    |
| 11MS0193  | Alberta Creek | 633589 | 6987275 | 9416 | 0.3      | 7.7      | 3.2      | 45       | 0.05     | 8.9      | 6.8      | 422      | 2.11        | 2        | 0.4     | 1.1      | 4.3      | 47       | 0.049    |
| 11MS0192  | Alberta Creek | 633587 | 6987325 | 9415 | 0.2      | 8.7      | 4.1      | 64       | 0.05     | 7.8      | 7.2      | 461      | 2.99        | 2.3      | 0.4     | 1.4      | 3        | 92       | 0.049    |
| 11MS0191  | Alberta Creek | 633589 | 6987379 | 9414 | 0.9      | 14.6     | 8.8      | 50       | 0.05     | 22.1     | 10       | 398      | 2.95        | 7.3      | 0.8     | 3.2      | 4        | 30       | 0.049    |
| 11MS0190  | Alberta Creek | 633582 | 6987425 | 9413 | 0.3      | 14.8     | 6.0      | 39       | 0.05     | 11.3     | 4.7      | 401      | 1.44        | 2        | 0.5     | 2.7      | 1.5      | 38       | 0.049    |
| 11MS0189  | Alberta Creek | 633580 | 6987481 | 9412 | 0.8      | 12.6     | 9.3      | 39       | 0.05     | 14.1     | 6.7      | 212      | 2.77        | 7.4      | 0.5     | 2.3      | 3.2      | 18       | 0.049    |
| 11MS0188  | Alberta Creek | 633578 | 6987531 | 9411 | 3.5      | 158.1    | 4.5      | 356      | 0.20     | 149.7    | 19.3     | 838      | 4.35        | 2        | 2.7     | 8.5      | 3.5      | 76       | 2.1      |
| 11MS0187  | Alberta Creek | 633576 | 6987585 | 9410 | 54.9     | 113.8    | 14.4     | 114      | 0.10     | 65.6     | 20.2     | 1255     | 3.73        | 16.4     | 1.1     | 18.3     | 2.7      | 27       | 0.4      |
| 11MS0186  | Alberta Creek | 633574 | 6987625 | 9409 | 15.1     | 37.1     | 10.4     | 83       | 0.20     | 40.8     | 13.8     | 321      | 3.73        | 12.5     | 0.7     | 14.7     | 2.6      | 22       | 0.2      |
| 11MS0185  | Alberta Creek | 633572 | 6987675 | 9408 | 1.0      | 18.2     | 7.3      | 42       | 0.05     | 72.5     | 19.1     | 355      | 2.8         | 3.4      | 0.2     | 1.7      | 1.3      | 64       | 0.049    |
| 11MS0184  | Alberta Creek | 633476 | 6987571 | 9407 | 6.5      | 209.7    | 3.4      | 104      | 0.05     | 122.6    | 47.5     | 458      | 7.34        | 6.9      | 0.7     | 2.1      | 1.2      | 44       | 0.2      |
| 11MS0183  | Alberta Creek | 633478 | 6987521 | 9406 | 0.6      | 14.4     | 7.3      | 57       | 0.05     | 35.5     | 11.3     | 376      | 3.13        | 6.6      | 0.4     | 3.2      | 2.9      | 26       | 0.1      |
| 11MS0182  | Alberta Creek | 633481 | 6987471 | 9405 | 0.2      | 15.3     | 6.4      | 56       | 0.05     | 11.0     | 6.2      | 527      | 1.91        | 3.2      | 0.9     | 1.9      | 1.7      | 39       | 0.1      |
| 11MS0180  | Alberta Creek | 633483 | 6987421 | 9403 | 0.3      | 10.9     | 3.0      | 54       | 0.05     | 8.5      | 7.9      | 659      | 2.46        | 1.2      | 0.4     | 1.3      | 2.2      | 89       | 0.049    |
| 11MS0179  | Alberta Creek | 633485 | 6987371 | 9402 | 0.4      | 6.6      | 5.1      | 62       | 0.05     | 8.9      | 7.3      | 468      | 2.82        | 3.1      | 0.4     | 0.8      | 2.5      | 45       | 0.049    |
| 11MS0178  | Alberta Creek | 633487 | 6987321 | 9401 | 0.6      | 7.2      | 7.3      | 39       | 0.05     | 8.4      | 4.9      | 210      | 2.19        | 4        | 0.4     | 1        | 2.6      | 24       | 0.049    |
| 11MS0177  | Alberta Creek | 633489 | 6987271 | 9400 | 0.4      | 34.7     | 3.9      | 58       | 0.05     | 18.9     | 18.2     | 575      | 4.33        | 1.7      | 0.1     | 0.249    | 0.3      | 40       | 0.049    |
| 11MS0176  | Alberta Creek | 633491 | 6987221 | 9399 | 0.4      | 17.0     | 7.8      | 49       | 0.05     | 13.7     | 7        | 238      | 2.44        | 4.8      | 0.7     | 3.6      | 4.2      | 20       | 0.049    |
| 11MS0175  | Alberta Creek | 633493 | 6987171 | 9398 | 0.2      | 5.6      | 2.9      | 57       | 0.05     | 10.0     | 15.3     | 387      | 3.72        | 2.5      | 0.6     | 1.5      | 3.8      | 39       | 0.049    |
| 11MS0174  | Alberta Creek | 633495 | 6987121 | 9397 | 1.1      | 12.5     | 10.0     | 47       | 0.05     | 19.5     | 11.1     | 269      | 3.21        | 9.2      | 0.4     | 2        | 3.1      | 16       | 0.049    |
| 11MS0173  | Alberta Creek | 633497 | 6987071 | 9396 | 1.0      | 70.0     | 4.7      | 64       | 0.05     | 16.2     | 13.3     | 480      | 3.78        | 5.7      | 0.5     | 3.2      | 3.7      | 41       | 0.049    |
| 11MS0172  | Alberta Creek | 633499 | 6987021 | 9395 | 1.2      | 36.6     | 7.2      | 50       | 0.05     | 20.0     | 10.6     | 348      | 2.91        | 7.5      | 1.1     | 4.3      | 4.1      | 22       | 0.049    |
| 11MS0171  | Alberta Creek | 633341 | 6988416 | 9394 | 0.7      | 26.0     | 8.5      | 63       | 0.05     | 16.7     | 11.1     | 626      | 2.99        | 6.6      | 0.9     | 6.9      | 4.5      | 34       | 0.1      |
| 11MS0170  | Alberta Creek | 633343 | 6988366 | 9393 | 0.6      | 11.8     | 7.3      | 48       | 0.05     | 14.6     | 9.1      | 288      | 2.69        | 6.4      | 0.5     | 5.9      | 3.3      | 19       | 0.049    |
| 11MS0169  | Alberta Creek | 633345 | 6988316 | 9392 | 0.7      | 13.1     | 6.9      | 64       | 0.05     | 14.7     | 9.2      | 301      | 2.56        | 5.1      | 1.1     | 6.2      | 2.5      | 94       | 0.1      |
| 11MS0168  | Alberta Creek | 633347 | 6988266 | 9391 | 0.6      | 26.4     | 8.9      | 66       | 0.10     | 22.2     | 10.6     | 424      | 2.98        | 6.7      | 1.1     | 9.7      | 4.3      | 38       | 0.1      |
| 11MS0167  | Alberta Creek | 633349 | 6988216 | 9390 | 0.9      | 23.4     | 9.4      | 53       | 0.10     | 20.8     | 11.9     | 467      | 2.6         | 6.7      | 1.1     | 8.7      | 3        | 51       | 0.2      |
| 11MS0166  | Alberta Creek | 633351 | 6988166 | 9389 | 1.0      | 25.9     | 9.1      | 54       | 0.05     | 21.2     | 10.2     | 405      | 2.81        | 8        | 1.2     | 12.9     | 3.3      | 35       | 0.2      |
| 11MS0165  | Alberta Creek | 633351 | 6988110 | 9388 | 0.8      | 38.1     | 7.6      | 69       | 0.05     | 20.5     | 9.4      | 754      | 2.56        | 2.5      | 0.8     | 4.8      | 1.7      | 45       | 0.3      |
| 11MS0164  | Alberta Creek | 633355 | 6988066 | 9387 | 0.9      | 23.5     | 5.1      | 40       | 0.05     | 15.2     | 6.4      | 510      | 1.61        | 1.5      | 1.3     | 4        | 0.6      | 65       | 0.2      |
| 11MS0163  | Alberta Creek | 633357 | 6988016 | 9386 | 0.9      | 42.3     | 5.1      | 52       | 0.05     | 16.5     | 7.5      | 533      | 1.64        | 2.1      | 0.8     | 6.6      | 0.7      | 58       | 0.2      |
| 11MS0162  | Alberta Creek | 633359 | 6987966 | 9385 | 0.9      | 38.9     | 4.8      | 55       | 0.05     | 15.8     | 7.9      | 455      | 1.93        | 2.4      | 0.6     | 3.8      | 1.3      | 56       | 0.2      |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11MS0160  | Alberta Creek | 633361 | 6987916 | 9383 | 2.1      | 30.5     | 6.2      | 55       | 0.05     | 17.9     | 8.7      | 586      | 1.94        | 3.9      | 0.9     | 2.9      | 0.9      | 56       | 0.4      |
| 11MS0159  | Alberta Creek | 633363 | 6987867 | 9382 | 1.7      | 24.8     | 5.9      | 53       | 0.05     | 20.0     | 7.3      | 609      | 1.7         | 2.9      | 0.9     | 5.9      | 0.6      | 63       | 0.3      |
| 11MS0158  | Alberta Creek | 633366 | 6987817 | 9381 | 5.3      | 76.4     | 10.1     | 70       | 0.05     | 45.5     | 18.4     | 319      | 3.57        | 5.1      | 0.6     | 8.7      | 2.6      | 45       | 0.4      |
| 11MS0157  | Alberta Creek | 633368 | 6987767 | 9380 | 6.6      | 45.0     | 7.2      | 74       | 0.10     | 35.6     | 18.8     | 456      | 3.63        | 5.4      | 0.8     | 5.6      | 2        | 44       | 0.3      |
| 11MS0156  | Alberta Creek | 633370 | 6987717 | 9379 | 20.4     | 83.8     | 7.5      | 79       | 0.20     | 61.0     | 21.2     | 1306     | 3.53        | 5.7      | 1       | 6.6      | 1.6      | 51       | 0.3      |
| 11MS0155  | Alberta Creek | 633372 | 6987667 | 9378 | 4.7      | 82.8     | 5.4      | 86       | 0.10     | 37.6     | 14.3     | 464      | 2.67        | 3.3      | 0.5     | 0.249    | 1.4      | 39       | 0.5      |
| 11MS0154  | Alberta Creek | 633374 | 6987617 | 9377 | 1.5      | 61.5     | 3.9      | 40       | 0.10     | 31.2     | 9        | 890      | 1.78        | 5.1      | 0.4     | 1.9      | 0.3      | 58       | 0.3      |
| 11MS0153  | Alberta Creek | 633376 | 6987567 | 9376 | 1.2      | 56.9     | 4.7      | 81       | 0.10     | 18.5     | 11.1     | 637      | 3.64        | 3.9      | 0.5     | 3.6      | 2.8      | 75       | 0.049    |
| 11MS0152  | Alberta Creek | 633379 | 6987517 | 9375 | 0.2      | 15.3     | 5.8      | 54       | 0.05     | 16.1     | 9.6      | 391      | 2.83        | 3.6      | 0.9     | 3.1      | 2.2      | 58       | 0.049    |
| 11MS0151  | Alberta Creek | 633381 | 6987467 | 9374 | 0.4      | 12.6     | 5.3      | 67       | 0.05     | 14.3     | 9.7      | 527      | 2.73        | 2.4      | 0.8     | 1.7      | 1.1      | 78       | 0.2      |
| 11MS0150  | Alberta Creek | 633383 | 6987417 | 9373 | 0.3      | 25.1     | 7.0      | 57       | 0.05     | 19.8     | 10.5     | 360      | 2.7         | 5.3      | 0.9     | 3.3      | 2        | 42       | 0.2      |
| 11MS0149  | Alberta Creek | 633385 | 6987367 | 9372 | 0.3      | 27.3     | 6.5      | 76       | 0.10     | 21.2     | 8.2      | 663      | 2.22        | 2.3      | 0.7     | 1.8      | 1.8      | 34       | 0.3      |
| 11MS0148  | Alberta Creek | 633387 | 6987317 | 9371 | 0.3      | 30.0     | 4.5      | 88       | 0.05     | 24.3     | 15.2     | 592      | 3.6         | 3.4      | 0.6     | 2        | 3.6      | 43       | 0.049    |
| 11MS0147  | Alberta Creek | 633389 | 6987267 | 9370 | 0.5      | 8.8      | 6.7      | 65       | 0.05     | 16.2     | 13.5     | 360      | 3.57        | 5.6      | 0.5     | 2.6      | 4.2      | 20       | 0.049    |
| 11MS0146  | Alberta Creek | 633391 | 6987217 | 9369 | 0.5      | 19.8     | 7.4      | 64       | 0.05     | 20.4     | 13.3     | 394      | 3.09        | 7.2      | 0.6     | 4.2      | 4.4      | 20       | 0.1      |
| 11MS0145  | Alberta Creek | 633394 | 6987167 | 9368 | 1.1      | 37.0     | 2.8      | 96       | 0.05     | 12.0     | 14.2     | 786      | 5.21        | 0.9      | 0.9     | 0.6      | 4.9      | 32       | 0.049    |
| 11MS0144  | Alberta Creek | 633396 | 6987117 | 9367 | 2.6      | 45.3     | 7.2      | 51       | 0.20     | 17.3     | 9.7      | 276      | 2.81        | 5.4      | 0.8     | 3.9      | 2.1      | 25       | 0.049    |
| 11MS0143  | Alberta Creek | 633398 | 6987067 | 9366 | 1.9      | 23.5     | 9.3      | 52       | 0.20     | 20.5     | 10       | 320      | 3.17        | 9.6      | 0.5     | 4.2      | 2.9      | 21       | 0.049    |
| 11MS0142  | Alberta Creek | 633400 | 6987017 | 9365 | 1.9      | 38.5     | 7.9      | 45       | 0.05     | 26.9     | 11       | 317      | 2.8         | 6.4      | 0.6     | 1.5      | 2.9      | 26       | 0.049    |
| 11MS0141  | Skookum West  | 622127 | 6989041 | 7696 | 1.0      | 14.9     | 8.2      | 66       | 0.05     | 18.2     | 12.3     | 367      | 3.44        | 6        | 0.4     | 5.6      | 3.2      | 19       | 0.049    |
| 11MS0140  | Skookum West  | 622128 | 6989016 | 7695 | 1.0      | 17.8     | 6.7      | 80       | 0.05     | 14.7     | 14       | 558      | 3.89        | 8.8      | 0.8     | 0.7      | 4.3      | 24       | 0.1      |
| 11MS0139  | Skookum West  | 622129 | 6988991 | 7694 | 1.0      | 19.6     | 5.7      | 80       | 0.05     | 19.2     | 14.3     | 669      | 4.01        | 8.4      | 0.9     | 1.2      | 4.8      | 27       | 0.049    |
| 11MS0138  | Skookum West  | 622131 | 6988971 | 7693 | 1.0      | 23.1     | 5.9      | 84       | 0.10     | 26.8     | 16.4     | 657      | 4.25        | 5.2      | 1.1     | 1.2      | 5.4      | 29       | 0.049    |
| 11MS0137  | Skookum West  | 622132 | 6988942 | 7692 | 2.0      | 17.9     | 9.3      | 77       | 0.05     | 15.4     | 12.3     | 692      | 3.65        | 8        | 0.7     | 1.9      | 4.8      | 23       | 0.2      |
| 11MS0136  | Skookum West  | 622133 | 6988917 | 7691 | 1.1      | 20.2     | 13.4     | 69       | 0.10     | 16.3     | 11.4     | 547      | 3.48        | 5.4      | 0.9     | 0.249    | 4.4      | 22       | 0.049    |
| 11MS0135  | Skookum West  | 622134 | 6988892 | 7690 | 3.4      | 13.9     | 9.7      | 80       | 0.05     | 12.1     | 7.8      | 610      | 4.21        | 15.3     | 0.7     | 1.2      | 3.9      | 17       | 0.049    |
| 11MS0134  | Skookum West  | 622135 | 6988867 | 7689 | 1.5      | 14.3     | 12.8     | 76       | 0.05     | 11.0     | 9.2      | 456      | 3.37        | 9.4      | 0.9     | 1.2      | 5.3      | 17       | 0.049    |
| 11MS0133  | Skookum West  | 622136 | 6988842 | 7688 | 1.1      | 18.4     | 9.3      | 87       | 0.05     | 13.5     | 9.4      | 562      | 4.04        | 7.4      | 0.7     | 0.249    | 7        | 23       | 0.049    |
| 11MS0132  | Skookum West  | 622137 | 6988817 | 7244 | 1.8      | 17.2     | 11.9     | 71       | 0.05     | 15.3     | 9        | 414      | 3.76        | 10.5     | 0.7     | 0.249    | 4.8      | 19       | 0.049    |
| 11MS0131  | Skookum West  | 622138 | 6988792 | 7687 | 1.3      | 20.0     | 10.3     | 99       | 0.05     | 12.6     | 14.2     | 597      | 5.09        | 6.7      | 0.7     | 15.8     | 5.3      | 20       | 0.049    |
| 11MS0129  | Skookum West  | 622139 | 6988742 | 7685 | 1.3      | 15.5     | 6.4      | 70       | 0.05     | 14.0     | 9.5      | 451      | 3.35        | 8.6      | 0.8     | 0.249    | 5.1      | 15       | 0.049    |
| 11MS0128  | Skookum West  | 622140 | 6988717 | 7684 | 0.5      | 11.4     | 3.3      | 78       | 0.05     | 5.5      | 6.4      | 342      | 3.47        | 3.3      | 0.8     | 0.249    | 5.6      | 9        | 0.049    |
| 11MS0127  | Skookum West  | 622141 | 6988692 | 7683 | 1.8      | 89.3     | 17.2     | 77       | 0.05     | 80.3     | 32.8     | 722      | 5.09        | 4.8      | 0.8     | 1        | 3.9      | 45       | 0.049    |
| 11MS0126  | Skookum West  | 622142 | 6988667 | 7682 | 0.4      | 143.2    | 5.5      | 63       | 0.05     | 29.0     | 29.4     | 433      | 3.5         | 3        | 0.4     | 0.249    | 1.6      | 41       | 0.049    |
| 11MS0125  | Skookum West  | 622143 | 6988642 | 7681 | 1.1      | 32.9     | 14.7     | 75       | 0.10     | 50.4     | 15.2     | 584      | 3.5         | 7.8      | 1.2     | 1.7      | 8.2      | 53       | 0.049    |
| 11MS0124  | Skookum West  | 622148 | 6988615 | 7680 | 1.1      | 24.3     | 9.7      | 79       | 0.20     | 19.8     | 11.5     | 547      | 2.99        | 5.4      | 1.2     | 8.3      | 4.5      | 44       | 0.2      |
| 11MS0123  | Skookum West  | 622146 | 6988592 | 7679 | 0.7      | 13.3     | 55.5     | 79       | 0.20     | 9.3      | 3.2      | 92       | 1.44        | 8.6      | 1.5     | 4.1      | 1.1      | 25       | 0.7      |
| 11MS0122  | Skookum West  | 622147 | 6988567 | 7678 | 0.6      | 12.6     | 33.6     | 57       | 0.20     | 8.1      | 3        | 80       | 1.8         | 8.9      | 1.6     | 2.5      | 0.8      | 23       | 0.4      |
| 11MS0121  | Skookum West  | 622148 | 6988542 | 7677 | 0.7      | 13.3     | 14.8     | 83       | 0.20     | 12.6     | 4.9      | 134      | 2.35        | 5.8      | 1.8     | 2.5      | 2.7      | 31       | 0.2      |
| 11MS0120  | Skookum West  | 622149 | 6988517 | 7676 | 1.2      | 18.1     | 13.9     | 78       | 0.20     | 21.6     | 11.5     | 430      | 3.11        | 5.8      | 2.4     | 3.8      | 7.2      | 43       | 0.1      |
| 11MS0119  | Skookum West  | 622149 | 6988492 | 7675 | 1.1      | 18.3     | 11.6     | 91       | 0.05     | 29.4     | 12.8     | 420      | 3.05        | 3.5      | 1.9     | 1.7      | 11.2     | 50       | 0.1      |
| 11MS0118  | Skookum West  | 622150 | 6988467 | 7674 | 1.1      | 15.7     | 11.0     | 74       | 0.05     | 14.3     | 9.7      | 325      | 2.64        | 4.7      | 2.2     | 2.3      | 10.3     | 27       | 0.049    |
| 11MS0117  | Skookum West  | 622229 | 6989020 | 7673 | 1.9      | 38.0     | 8.3      | 105      | 0.20     | 52.1     | 22.2     | 867      | 4.96        | 4.7      | 1.4     | 2.5      | 7.1      | 73       | 0.2      |
| 11MS0116  | Skookum West  | 622250 | 6988471 | 7672 | 0.9      | 21.5     | 18.1     | 81       | 0.30     | 10.3     | 6.5      | 398      | 2.12        | 4.7      | 2.3     | 1.6      | 0.3      | 30       | 0.5      |
| 11MS0115  | Skookum West  | 622249 | 6988496 | 7671 | 1.7      | 15.5     | 34.8     | 161      | 0.20     | 7.8      | 8.6      | 324      | 2.92        | 12       | 2.7     | 3.1      | 7.3      | 38       | 0.2      |
| 11MS0114  | Skookum West  | 622248 | 6988521 | 7670 | 2.1      | 21.2     | 175.8    | 93       | 0.60     | 6.0      | 2.4      | 90       | 2.55        | 32.5     | 3.2     | 7.8      | 2.7      | 32       | 0.5      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11MS0113  | Skookum West | 622247 | 6988546 | 7669 | 2.4      | 24.4     | 169.5    | 185      | 0.50     | 20.4     | 5.1      | 175      | 3.28        | 38.5     | 3.5     | 7.8      | 8.8      | 62       | 0.5      |
| 11MS0112  | Skookum West | 622246 | 6988571 | 7668 | 1.0      | 15.8     | 105.3    | 60       | 0.40     | 12.4     | 3        | 79       | 2.01        | 20.2     | 2.4     | 5.6      | 1.8      | 30       | 0.4      |
| 11MS0111  | Skookum West | 622245 | 6988596 | 7667 | 1.1      | 14.9     | 69.8     | 66       | 0.40     | 11.5     | 3        | 102      | 2.1         | 14.5     | 2.2     | 3.7      | 2.9      | 32       | 0.2      |
| 11MS0110  | Skookum West | 622244 | 6988621 | 7666 | 1.7      | 44.1     | 49.2     | 121      | 0.40     | 19.9     | 7.4      | 249      | 2.44        | 11.7     | 3.3     | 5.6      | 4.1      | 47       | 0.5      |
| 11MS0109  | Skookum West | 622241 | 6988644 | 7665 | 1.3      | 26.0     | 10.2     | 63       | 0.10     | 18.2     | 16.8     | 873      | 2.66        | 2.8      | 1       | 2.2      | 2.3      | 34       | 0.1      |
| 11MS0108  | Skookum West | 622242 | 6988671 | 7664 | 1.3      | 31.1     | 10.2     | 68       | 0.20     | 20.7     | 16       | 811      | 3.15        | 4.9      | 1.3     | 4.2      | 3        | 29       | 0.2      |
| 11MS0107  | Skookum West | 622242 | 6988696 | 7663 | 1.0      | 39.4     | 11.2     | 76       | 0.20     | 33.0     | 15.3     | 638      | 3.36        | 5.6      | 1.5     | 4.3      | 3.3      | 44       | 0.2      |
| 11MS0106  | Skookum West | 622241 | 6988721 | 7662 | 0.5      | 32.7     | 7.6      | 70       | 0.20     | 18.2     | 12.4     | 513      | 3.29        | 4.8      | 1.3     | 3.9      | 4.1      | 39       | 0.2      |
| 11MS0105  | Skookum West | 622240 | 6988746 | 7661 | 0.6      | 39.5     | 27.6     | 64       | 0.05     | 75.6     | 16.3     | 398      | 3.38        | 6.7      | 1.6     | 1.1      | 10.5     | 68       | 0.049    |
| 11MS0104  | Skookum West | 622239 | 6988771 | 7660 | 0.8      | 16.8     | 11.2     | 64       | 0.10     | 18.1     | 11.3     | 571      | 3.37        | 6.3      | 0.7     | 1.8      | 3.9      | 27       | 0.1      |
| 11MS0103  | Skookum West | 622238 | 6988796 | 7659 | 0.7      | 9.0      | 6.4      | 90       | 0.05     | 17.0     | 14.7     | 681      | 4.36        | 9.7      | 0.9     | 0.249    | 4.3      | 35       | 0.049    |
| 11MS0102  | Skookum West | 622236 | 6988820 | 7798 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11MS0101  | Skookum West | 622235 | 6988846 | 7657 | 0.7      | 10.7     | 14.5     | 79       | 0.05     | 15.0     | 12.7     | 778      | 3.87        | 4.7      | 0.4     | 1.9      | 3.1      | 23       | 0.049    |
| 11MS0100  | Skookum West | 622234 | 6988870 | 7656 | 0.7      | 13.5     | 7.4      | 86       | 0.05     | 14.1     | 15       | 389      | 3.9         | 6        | 0.4     | 1.7      | 2.5      | 17       | 0.049    |
| 11MS0099  | Skookum West | 622233 | 6988895 | 7655 | 0.8      | 17.0     | 6.7      | 118      | 0.05     | 11.0     | 19.9     | 658      | 4.71        | 4.7      | 0.6     | 0.9      | 3.5      | 12       | 0.049    |
| 11MS0098  | Skookum West | 622232 | 6988920 | 7654 | 1.0      | 20.2     | 6.8      | 113      | 0.10     | 10.7     | 16.2     | 754      | 4.85        | 3.8      | 0.4     | 1.5      | 2.6      | 27       | 0.2      |
| 11MS0097  | Skookum West | 622231 | 6988945 | 7653 | 2.0      | 30.1     | 11.2     | 78       | 0.05     | 19.5     | 15.3     | 501      | 3.7         | 5        | 0.5     | 2.3      | 3.2      | 20       | 0.049    |
| 11MS0096  | Skookum West | 622231 | 6988970 | 7652 | 2.3      | 29.9     | 8.7      | 65       | 0.05     | 26.0     | 17.9     | 773      | 3.43        | 4        | 1       | 1.8      | 2.2      | 48       | 0.3      |
| 11MS0095  | Skookum West | 622230 | 6988995 | 7651 | 1.3      | 5.1      | 2.9      | 58       | 0.05     | 9.7      | 17.5     | 230      | 2.81        | 0.249    | 0.7     | 0.7      | 4.2      | 10       | 0.049    |
| 11MS0094  | Skookum West | 622306 | 6989546 | 7650 | 0.9      | 20.6     | 6.5      | 81       | 0.05     | 12.9     | 14.5     | 644      | 4.19        | 5.7      | 0.2     | 0.249    | 1.1      | 17       | 0.049    |
| 11MS0093  | Skookum West | 622307 | 6989574 | 7649 | 0.2      | 15.4     | 4.6      | 98       | 0.05     | 10.9     | 13.3     | 405      | 2.96        | 2.7      | 0.3     | 0.249    | 1.1      | 34       | 0.049    |
| 11MS0092  | Skookum West | 622306 | 6989599 | 7648 | 0.4      | 17.4     | 9.4      | 73       | 0.05     | 15.5     | 11.2     | 385      | 2.7         | 5.5      | 0.8     | 2.6      | 2.8      | 33       | 0.049    |
| 11MS0091  | Skookum West | 622305 | 6989624 | 7647 | 0.8      | 17.0     | 10.2     | 67       | 0.10     | 14.2     | 10.4     | 599      | 2.78        | 4.7      | 0.5     | 12.3     | 1.8      | 26       | 0.1      |
| 11MS0090  | Skookum West | 622309 | 6989524 | 7646 | 0.8      | 31.8     | 6.4      | 71       | 0.05     | 10.1     | 14.1     | 423      | 3.72        | 5        | 0.2     | 0.6      | 1.2      | 19       | 0.049    |
| 11MS0089  | Skookum West | 622310 | 6989499 | 7645 | 1.7      | 28.5     | 6.1      | 83       | 0.05     | 10.1     | 10.5     | 464      | 4.05        | 4.4      | 0.4     | 0.8      | 1.5      | 16       | 0.049    |
| 11MS0088  | Skookum West | 622313 | 6989472 | 7644 | 0.6      | 13.7     | 13.0     | 70       | 0.05     | 14.5     | 11.1     | 410      | 2.9         | 4.9      | 0.3     | 1.5      | 1.8      | 34       | 0.049    |
| 11MS0087  | Skookum West | 622311 | 6989453 | 7643 | 0.6      | 24.0     | 6.1      | 73       | 0.05     | 13.4     | 12.1     | 468      | 3.11        | 4.9      | 0.2     | 0.9      | 1.6      | 38       | 0.049    |
| 11MS0086  | Skookum West | 622311 | 6989426 | 7642 | 0.6      | 15.3     | 7.2      | 68       | 0.05     | 10.8     | 9.9      | 365      | 2.63        | 4.5      | 0.3     | 0.7      | 1.8      | 25       | 0.049    |
| 11MS0085  | Skookum West | 622315 | 6989401 | 7641 | 0.6      | 16.5     | 3.4      | 92       | 0.05     | 8.5      | 10.6     | 434      | 3           | 3.1      | 0.3     | 0.9      | 1.1      | 23       | 0.049    |
| 11MS0084  | Skookum West | 622315 | 6989374 | 7640 | 0.6      | 16.3     | 4.4      | 102      | 0.05     | 8.6      | 10.9     | 417      | 3.21        | 3.5      | 0.2     | 0.249    | 1.1      | 23       | 0.049    |
| 11MS0083  | Skookum West | 622316 | 6989349 | 7639 | 0.8      | 13.1     | 7.5      | 58       | 0.05     | 9.2      | 8        | 272      | 2.29        | 4.4      | 0.3     | 1.4      | 1.4      | 17       | 0.049    |
| 11MS0082  | Skookum West | 622315 | 6989326 | 7638 | 0.5      | 15.0     | 4.2      | 59       | 0.05     | 7.6      | 11.4     | 331      | 2.75        | 3.1      | 0.3     | 0.7      | 1.2      | 24       | 0.049    |
| 11MS0081  | Skookum West | 622318 | 6989299 | 7637 | 0.5      | 23.9     | 4.0      | 68       | 0.05     | 8.9      | 13.2     | 352      | 3.14        | 2.9      | 0.3     | 0.249    | 1.3      | 17       | 0.049    |
| 11MS0080  | Skookum West | 622319 | 6989274 | 7636 | 0.8      | 22.7     | 6.4      | 49       | 0.05     | 11.8     | 9.5      | 364      | 2.57        | 4.9      | 0.5     | 1.7      | 3        | 17       | 0.049    |
| 11MS0079  | Skookum West | 622317 | 6989249 | 7635 | 0.8      | 16.1     | 3.7      | 54       | 0.05     | 6.7      | 8        | 272      | 2.45        | 3.4      | 0.5     | 5.2      | 2.7      | 12       | 0.049    |
| 11MS0078  | Skookum West | 622321 | 6989224 | 7634 | 0.8      | 25.8     | 8.5      | 71       | 0.05     | 13.1     | 13.3     | 379      | 3.48        | 4.7      | 0.4     | 2.2      | 1.6      | 16       | 0.049    |
| 11MS0077  | Skookum West | 622322 | 6989199 | 7633 | 0.6      | 38.4     | 8.4      | 73       | 0.30     | 77.3     | 17.6     | 661      | 3.14        | 5        | 1.6     | 5.5      | 5.1      | 164      | 0.2      |
| 11MS0076  | Skookum West | 622323 | 6989174 | 7632 | 0.9      | 24.4     | 7.9      | 81       | 0.20     | 23.5     | 14.7     | 591      | 3.18        | 8.6      | 1.1     | 3.1      | 2.6      | 39       | 0.1      |
| 11MS0075  | Skookum West | 622323 | 6989149 | 7631 | 0.9      | 24.0     | 7.9      | 78       | 0.10     | 18.1     | 13.8     | 543      | 3.25        | 8.4      | 0.9     | 2.2      | 2.3      | 33       | 0.1      |
| 11MS0074  | Skookum West | 622324 | 6989124 | 7630 | 1.0      | 35.8     | 10.3     | 79       | 0.30     | 17.5     | 17.4     | 963      | 3.54        | 14.2     | 1.2     | 4.2      | 2.6      | 37       | 0.3      |
| 11MS0073  | Skookum West | 622325 | 6989099 | 7629 | 0.8      | 22.3     | 7.9      | 86       | 0.10     | 14.2     | 14.5     | 646      | 3.49        | 8.1      | 1       | 3.2      | 2.8      | 33       | 0.2      |
| 11MS0072  | Skookum West | 622326 | 6989074 | 7628 | 0.9      | 38.0     | 6.5      | 87       | 0.05     | 14.4     | 14       | 479      | 3.29        | 6        | 0.8     | 2.2      | 3.6      | 32       | 0.1      |
| 11MS0071  | Skookum West | 622327 | 6989049 | 7627 | 0.5      | 35.2     | 6.4      | 59       | 0.20     | 11.1     | 12.4     | 710      | 1.99        | 3        | 2.3     | 8.5      | 2        | 82       | 0.2      |
| 11MS0070  | Skookum West | 622329 | 6989024 | 7626 | 1.3      | 22.4     | 7.7      | 76       | 0.20     | 12.1     | 14.7     | 801      | 2.65        | 3.9      | 1       | 2.8      | 2        | 42       | 0.049    |
| 11MS0069  | Skookum West | 622330 | 6988999 | 7625 | 1.2      | 23.1     | 7.8      | 67       | 0.05     | 9.4      | 10.1     | 351      | 2.48        | 9        | 0.6     | 2.5      | 1.3      | 20       | 0.049    |
| 11MS0068  | Skookum West | 622331 | 6988974 | 7624 | 0.8      | 21.4     | 6.6      | 83       | 0.05     | 14.4     | 14.4     | 393      | 2.67        | 7.4      | 0.5     | 3.9      | 2.3      | 35       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11MS0067  | Skookum West | 622332 | 6988949 | 7623 | 1.1      | 15.0     | 10.9     | 69       | 0.05     | 14.4     | 14       | 518      | 3.49        | 5.6      | 0.7     | 2.6      | 3        | 32       | 0.049    |
| 11MS0066  | Skookum West | 622333 | 6988924 | 7622 | 0.8      | 26.6     | 8.2      | 93       | 0.05     | 14.6     | 15.9     | 498      | 3.84        | 5.7      | 0.5     | 1.4      | 2.5      | 19       | 0.049    |
| 11MS0065  | Skookum West | 622334 | 6988899 | 7621 | 1.2      | 23.1     | 11.4     | 55       | 0.05     | 32.1     | 15.7     | 418      | 3.21        | 6.7      | 0.3     | 0.9      | 1.8      | 15       | 0.049    |
| 11MS0064  | Skookum West | 622335 | 6988874 | 7620 | 2.2      | 67.3     | 9.5      | 84       | 0.05     | 65.3     | 26       | 1065     | 5.46        | 7.1      | 0.4     | 2        | 1.5      | 32       | 0.049    |
| 11MS0063  | Skookum West | 622335 | 6988849 | 7619 | 1.7      | 37.2     | 15.1     | 81       | 0.10     | 30.3     | 19.6     | 894      | 5.32        | 6.8      | 1       | 3.3      | 4.7      | 71       | 0.1      |
| 11MS0062  | Skookum West | 622336 | 6988824 | 7618 | 0.6      | 41.5     | 8.1      | 57       | 0.20     | 25.7     | 11       | 556      | 2.57        | 3.9      | 1.5     | 3        | 2.3      | 95       | 0.3      |
| 11MS0061  | Skookum West | 622337 | 6988800 | 7617 | 0.8      | 27.7     | 19.1     | 54       | 0.05     | 45.1     | 16.3     | 553      | 3           | 4.7      | 1       | 1.8      | 4.3      | 45       | 0.049    |
| 11MS0060  | Skookum West | 622337 | 6988778 | 7616 | 0.8      | 28.6     | 9.2      | 61       | 0.05     | 28.6     | 13.5     | 492      | 3.14        | 4.4      | 1       | 1.9      | 4        | 42       | 0.049    |
| 11MS0059  | Skookum West | 622339 | 6988750 | 7615 | 0.9      | 27.9     | 7.7      | 58       | 0.10     | 17.2     | 11.1     | 423      | 2.93        | 4.6      | 1       | 2.6      | 3        | 34       | 0.1      |
| 11MS0058  | Skookum West | 622340 | 6988724 | 7614 | 0.9      | 22.7     | 10.2     | 48       | 0.10     | 12.5     | 8.8      | 355      | 2.23        | 4.1      | 0.9     | 3.3      | 2.6      | 22       | 0.049    |
| 11MS0057  | Skookum West | 622341 | 6988700 | 7613 | 1.6      | 34.7     | 8.4      | 79       | 0.10     | 15.0     | 14.7     | 438      | 3.53        | 7.9      | 1.3     | 2.7      | 4.1      | 25       | 0.1      |
| 11MS0056  | Skookum West | 622342 | 6988675 | 7612 | 0.9      | 30.2     | 11.0     | 58       | 0.10     | 26.3     | 11.8     | 368      | 2.69        | 5.8      | 1.2     | 15.7     | 3.3      | 33       | 0.049    |
| 11MS0055  | Skookum West | 622346 | 6988649 | 7611 | 0.7      | 15.7     | 5.8      | 84       | 0.05     | 14.3     | 11.7     | 569      | 3.81        | 7.4      | 0.7     | 1.5      | 4        | 26       | 0.049    |
| 11MS0054  | Skookum West | 622345 | 6988625 | 7610 | 1.5      | 19.6     | 61.6     | 125      | 0.30     | 21.1     | 9.8      | 549      | 2.32        | 8.8      | 3.1     | 2.4      | 5.6      | 51       | 0.5      |
| 11MS0053  | Skookum West | 622344 | 6988601 | 7609 | 1.7      | 80.9     | 55.3     | 159      | 0.60     | 17.5     | 11.8     | 391      | 2.71        | 10.9     | 5       | 6.9      | 11.9     | 47       | 0.5      |
| 11MS0052  | Skookum West | 622346 | 6988575 | 7608 | 1.8      | 19.5     | 80.2     | 100      | 0.40     | 12.1     | 3.9      | 153      | 2.67        | 21.9     | 3.1     | 3.7      | 8.5      | 65       | 0.3      |
| 11MS0051  | Skookum West | 622345 | 6988546 | 7607 | 2.0      | 20.1     | 76.8     | 60       | 0.50     | 7.7      | 2.4      | 90       | 2.41        | 18.7     | 3.7     | 5.3      | 7.2      | 36       | 0.2      |
| 11MS0050  | Skookum West | 622348 | 6988525 | 7606 | 2.4      | 16.3     | 125.0    | 53       | 0.80     | 5.8      | 1.8      | 89       | 2.54        | 24.3     | 4.1     | 7        | 6.5      | 32       | 0.2      |
| 11MS0049  | Skookum West | 622349 | 6988500 | 7605 | 3.2      | 12.6     | 346.4    | 66       | 1.40     | 2.3      | 1.2      | 81       | 6.28        | 62.5     | 2.4     | 11.4     | 26.3     | 104      | 0.049    |
| 11MS0048  | Skookum West | 622347 | 6988472 | 7604 | 2.4      | 22.9     | 1144.9   | 417      | 0.30     | 5.5      | 12       | 619      | 3.25        | 53.6     | 3.5     | 6.9      | 16.1     | 66       | 0.5      |
| 11MS0047  | Skookum West | 622553 | 6988480 | 7603 | 1.8      | 18.6     | 37.5     | 71       | 0.05     | 8.5      | 8.5      | 392      | 2.56        | 13.6     | 1.9     | 0.9      | 12.5     | 17       | 0.049    |
| 11MS0046  | Skookum West | 622549 | 6988508 | 7602 | 0.9      | 16.7     | 19.6     | 51       | 0.05     | 14.6     | 7.8      | 255      | 1.99        | 5.9      | 2.2     | 4.6      | 7.7      | 24       | 0.049    |
| 11MS0045  | Skookum West | 622548 | 6988533 | 7601 | 1.6      | 11.7     | 16.3     | 69       | 0.30     | 10.5     | 7.5      | 355      | 2.79        | 7.6      | 0.6     | 2        | 2.8      | 15       | 0.049    |
| 11MS0044  | Skookum West | 622547 | 6988558 | 7600 | 1.8      | 21.1     | 22.5     | 64       | 0.05     | 16.2     | 9.8      | 317      | 2.65        | 9.7      | 2.7     | 1.3      | 10.5     | 24       | 0.049    |
| 11MS0043  | Skookum West | 622547 | 6988585 | 7599 | 3.2      | 21.6     | 20.7     | 98       | 0.20     | 13.8     | 10.2     | 550      | 3           | 10.9     | 3.5     | 2.5      | 14.5     | 30       | 0.1      |
| 11MS0042  | Skookum West | 622545 | 6988608 | 7598 | 2.0      | 45.0     | 104.0    | 137      | 0.30     | 21.4     | 20.5     | 1193     | 5.38        | 48.6     | 2.1     | 2.3      | 13.2     | 33       | 0.2      |
| 11MS0041  | Skookum West | 622541 | 6988633 | 7597 | 1.0      | 31.3     | 15.9     | 65       | 0.10     | 32.3     | 12.8     | 491      | 2.87        | 5.7      | 1.9     | 4.2      | 5.4      | 49       | 0.049    |
| 11MS0040  | Skookum West | 622543 | 6988658 | 7596 | 1.0      | 18.2     | 14.6     | 49       | 0.05     | 24.1     | 9.7      | 319      | 2.58        | 7.6      | 0.7     | 2.6      | 3.3      | 26       | 0.049    |
| 11MS0039  | Skookum West | 622543 | 6988682 | 7595 | 0.8      | 14.8     | 9.4      | 61       | 0.05     | 11.9     | 8.6      | 272      | 2.58        | 6.1      | 0.5     | 2.9      | 2.6      | 18       | 0.049    |
| 11MS0038  | Skookum West | 622541 | 6988707 | 7594 | 1.1      | 18.5     | 10.5     | 51       | 0.05     | 11.5     | 8.1      | 333      | 2.2         | 5.3      | 0.6     | 6.4      | 2.1      | 23       | 0.049    |
| 11MS0037  | Skookum West | 622540 | 6988730 | 7593 | 0.5      | 34.6     | 6.7      | 87       | 0.05     | 10.6     | 15.3     | 430      | 2.98        | 3.5      | 0.5     | 1.7      | 2        | 21       | 0.049    |
| 11MS0036  | Skookum West | 622537 | 6988760 | 7592 | 0.7      | 19.5     | 8.0      | 62       | 0.05     | 11.4     | 9.3      | 357      | 2.66        | 4        | 0.4     | 2        | 2.2      | 19       | 0.049    |
| 11MS0035  | Skookum West | 622538 | 6988782 | 7591 | 0.7      | 22.5     | 5.1      | 65       | 0.05     | 10.1     | 9.3      | 375      | 2.64        | 4.2      | 0.4     | 3        | 2.1      | 21       | 0.049    |
| 11MS0034  | Skookum West | 622537 | 6988807 | 7590 | 1.3      | 28.0     | 12.2     | 60       | 0.20     | 16.7     | 10.5     | 361      | 2.84        | 6.7      | 0.7     | 4.1      | 2.8      | 29       | 0.049    |
| 11MS0033  | Skookum West | 622536 | 6988832 | 7589 | 0.9      | 21.5     | 7.8      | 64       | 0.10     | 12.2     | 11.9     | 423      | 2.88        | 6.4      | 0.6     | 2.5      | 2.3      | 19       | 0.049    |
| 11MS0032  | Skookum West | 622538 | 6988858 | 7588 | 1.3      | 25.5     | 11.0     | 64       | 0.30     | 13.4     | 10.2     | 300      | 2.94        | 6.5      | 0.9     | 1.6      | 2.5      | 21       | 0.049    |
| 11MS0031  | Skookum West | 622534 | 6988882 | 7587 | 1.1      | 19.3     | 10.0     | 59       | 0.10     | 16.4     | 9        | 324      | 2.92        | 8.1      | 0.7     | 2        | 2.6      | 22       | 0.049    |
| 11MS0030  | Skookum West | 622533 | 6988907 | 7586 | 1.0      | 20.6     | 9.5      | 56       | 0.10     | 14.6     | 9.5      | 243      | 3.09        | 7.3      | 0.6     | 3.7      | 2.7      | 19       | 0.049    |
| 11MS0029  | Skookum West | 622532 | 6988932 | 7585 | 1.4      | 24.2     | 10.9     | 54       | 0.05     | 16.1     | 12       | 276      | 3.19        | 8.7      | 0.4     | 3.7      | 2.1      | 19       | 0.049    |
| 11MS0028  | Skookum West | 622532 | 6988954 | 7584 | 1.3      | 32.6     | 13.7     | 65       | 0.20     | 18.6     | 13.6     | 362      | 3.25        | 7.3      | 0.6     | 2.7      | 1.8      | 22       | 0.049    |
| 11MS0027  | Skookum West | 622533 | 6988983 | 7583 | 1.1      | 29.2     | 7.4      | 84       | 0.30     | 14.1     | 14.9     | 514      | 3.75        | 8.4      | 1.1     | 4.7      | 2.7      | 30       | 0.1      |
| 11MS0026  | Skookum West | 622530 | 6989007 | 7582 | 1.3      | 24.0     | 13.8     | 92       | 0.20     | 13.6     | 12.8     | 510      | 3.77        | 6.7      | 1.1     | 3.1      | 2.3      | 32       | 0.2      |
| 11MS0025  | Skookum West | 622529 | 6989032 | 7581 | 1.4      | 21.3     | 9.5      | 100      | 0.05     | 12.0     | 11       | 613      | 4.43        | 36.6     | 0.4     | 1.6      | 1.7      | 22       | 0.1      |
| 11MS0024  | Skookum West | 622528 | 6989057 | 7580 | 0.9      | 20.6     | 7.7      | 84       | 0.05     | 18.8     | 12.6     | 522      | 3.79        | 18.6     | 0.5     | 1.4      | 2.2      | 28       | 0.049    |
| 11MS0023  | Skookum West | 622527 | 6989082 | 7579 | 1.0      | 17.3     | 6.2      | 78       | 0.10     | 25.9     | 11.7     | 395      | 3.65        | 110.5    | 0.4     | 2.7      | 1.8      | 32       | 0.049    |
| 11MS0022  | Skookum West | 622527 | 6989112 | 7578 | 1.0      | 22.9     | 8.6      | 77       | 0.20     | 37.4     | 13.7     | 415      | 3.71        | 43.8     | 0.7     | 1.3      | 2.2      | 30       | 0.049    |



| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11MS0021  | Skookum West  | 622524 | 6989132 | 7577 | 0.8      | 20.9     | 8.6      | 74       | 0.10     | 53.3     | 15       | 418      | 3.41        | 5.4      | 0.7     | 0.7      | 2.8      | 52       | 0.049    |
| 11MS0020  | Skookum West  | 622523 | 6989157 | 7576 | 0.9      | 24.5     | 12.3     | 70       | 0.20     | 49.5     | 14.5     | 431      | 3.24        | 4.7      | 1.1     | 1.4      | 3.1      | 59       | 0.049    |
| 11MS0019  | Skookum West  | 622523 | 6989179 | 7575 | 0.7      | 24.2     | 8.4      | 82       | 0.10     | 28.0     | 13.5     | 549      | 3.49        | 4.2      | 1       | 2.2      | 2.6      | 42       | 0.049    |
| 11MS0018  | Skookum West  | 622525 | 6989210 | 7574 | 1.5      | 26.9     | 12.5     | 108      | 0.05     | 12.4     | 15.3     | 652      | 4.51        | 13.7     | 0.5     | 4.1      | 1.8      | 27       | 0.1      |
| 11MS0017  | Skookum West  | 622520 | 6989232 | 7573 | 0.9      | 24.4     | 8.8      | 98       | 0.20     | 15.7     | 12.2     | 533      | 3.54        | 4        | 0.9     | 3.2      | 2.7      | 37       | 0.049    |
| 11MS0016  | Skookum West  | 622522 | 6989259 | 7572 | 0.9      | 35.6     | 10.9     | 100      | 0.20     | 14.3     | 15       | 553      | 4.08        | 3        | 1       | 7.7      | 2.7      | 23       | 0.1      |
| 11MS0015  | Skookum West  | 622521 | 6989281 | 7571 | 0.8      | 22.3     | 5.9      | 100      | 0.05     | 8.1      | 13       | 415      | 4.36        | 2.7      | 0.4     | 0.8      | 0.9      | 18       | 0.049    |
| 11MS0014  | Skookum West  | 622518 | 6989307 | 7570 | 0.9      | 20.8     | 5.1      | 91       | 0.05     | 7.3      | 11       | 478      | 3.99        | 2.2      | 0.4     | 1.4      | 1.9      | 13       | 0.049    |
| 11MS0013  | Skookum West  | 622514 | 6989330 | 7569 | 0.5      | 36.6     | 26.5     | 103      | 0.05     | 7.8      | 15       | 452      | 4.46        | 2.7      | 0.5     | 1.9      | 2.2      | 14       | 0.049    |
| 11MS0012  | Skookum West  | 622514 | 6989354 | 7568 | 1.0      | 34.7     | 18.6     | 84       | 0.05     | 19.8     | 13.4     | 443      | 3.37        | 6.3      | 0.6     | 6.6      | 4.2      | 20       | 0.049    |
| 11MS0011  | Skookum West  | 622518 | 6989383 | 7567 | 0.8      | 27.8     | 7.8      | 91       | 0.05     | 14.7     | 16.4     | 473      | 4.45        | 4.9      | 0.5     | 1.5      | 2.9      | 8        | 0.049    |
| 11MS0010  | Skookum West  | 622514 | 6989409 | 7566 | 0.8      | 16.6     | 9.9      | 85       | 0.05     | 12.0     | 13.1     | 580      | 3.62        | 4.5      | 0.6     | 1.6      | 4.5      | 12       | 0.049    |
| 11MS0009  | Skookum West  | 622512 | 6989429 | 7565 | 1.0      | 39.3     | 10.2     | 92       | 0.05     | 20.4     | 14       | 645      | 3.47        | 8        | 0.7     | 11.3     | 3.6      | 22       | 0.049    |
| 11MS0008  | Skookum West  | 622513 | 6989459 | 7564 | 3.0      | 41.1     | 24.2     | 116      | 0.10     | 21.0     | 10.2     | 487      | 3.7         | 16.4     | 0.7     | 0.249    | 3.6      | 21       | 0.4      |
| 11MS0007  | Skookum West  | 622508 | 6989481 | 7563 | 2.8      | 24.8     | 19.5     | 74       | 0.30     | 14.9     | 10.2     | 995      | 3.17        | 7.7      | 0.4     | 1        | 3.1      | 24       | 0.5      |
| 11MS0006  | Skookum West  | 622510 | 6989507 | 7562 | 60.5     | 110.0    | 21.0     | 75       | 1.40     | 5.5      | 3.7      | 343      | 4.22        | 36.1     | 1.7     | 0.9      | 8.7      | 34       | 0.1      |
| 11MS0005  | Skookum West  | 622508 | 6989532 | 7561 | 0.4      | 76.3     | 3.6      | 145      | 0.05     | 15.1     | 16.7     | 682      | 4.31        | 1.8      | 0.6     | 2.9      | 2.6      | 17       | 0.049    |
| 11MS0004  | Skookum West  | 622508 | 6989557 | 7560 | 1.1      | 39.1     | 10.2     | 71       | 0.05     | 18.5     | 11       | 268      | 3.25        | 9.2      | 0.8     | 2.2      | 3.8      | 13       | 0.049    |
| 11MS0003  | Skookum West  | 622509 | 6989580 | 7559 | 0.9      | 36.5     | 9.7      | 101      | 0.05     | 21.3     | 12.5     | 503      | 3.8         | 8.5      | 0.4     | 1.9      | 2.9      | 14       | 0.2      |
| 11MS0002  | Skookum West  | 622508 | 6989604 | 7558 | 0.9      | 37.3     | 9.4      | 112      | 0.05     | 16.4     | 16.6     | 544      | 3.96        | 5.6      | 0.5     | 0.249    | 3        | 10       | 0.049    |
| 11MS0001  | Skookum West  | 622505 | 6989632 | 7557 | 0.9      | 24.2     | 10.4     | 107      | 0.05     | 15.9     | 11.9     | 394      | 3.71        | 7.2      | 0.5     | 1        | 2.9      | 12       | 0.2      |
| 11KJ0446  | Alberta Creek | 634002 | 6987557 | 8015 | 0.6      | 48.2     | 7.7      | 87       | 0.10     | 20.0     | 15.2     | 645      | 4.34        | 3.6      | 1.1     | 0.249    | 1.5      | 42       | 0.3      |
| 11KJ0445  | Alberta Creek | 634000 | 6987528 | 8014 | 1.4      | 39.6     | 16.2     | 57       | 0.05     | 23.3     | 9.5      | 226      | 3.03        | 9.5      | 0.6     | 0.249    | 2.5      | 23       | 0.1      |
| 11KJ0444  | Alberta Creek | 633997 | 6987502 | 8013 | 3.4      | 167.0    | 8.7      | 62       | 0.05     | 19.5     | 10.8     | 448      | 3.54        | 9        | 1       | 4        | 3.7      | 21       | 0.049    |
| 11KJ0443  | Alberta Creek | 634006 | 6987472 | 8012 | 2.2      | 36.1     | 15.7     | 73       | 0.05     | 18.1     | 8.7      | 672      | 3.91        | 12.3     | 0.5     | 0.7      | 3.4      | 12       | 0.2      |
| 11KJ0442  | Alberta Creek | 633996 | 6987445 | 8011 | 0.8      | 24.7     | 10.4     | 49       | 0.05     | 8.8      | 4.4      | 273      | 2.82        | 6.1      | 0.5     | 0.249    | 3.3      | 12       | 0.1      |
| 11KJ0441  | Alberta Creek | 634001 | 6987424 | 8010 | 1.7      | 42.9     | 8.1      | 102      | 0.05     | 18.0     | 7.5      | 558      | 4.52        | 5.8      | 0.5     | 0.249    | 5        | 9        | 0.1      |
| 11KJ0440  | Alberta Creek | 633999 | 6987399 | 8009 | 0.5      | 32.7     | 4.9      | 59       | 0.05     | 16.1     | 9.6      | 422      | 3.15        | 5.1      | 0.5     | 1        | 4        | 14       | 0.1      |
| 11KJ0439  | Alberta Creek | 634000 | 6987375 | 8008 | 1.3      | 19.0     | 13.1     | 42       | 0.05     | 18.5     | 8.3      | 254      | 2.48        | 7.4      | 0.7     | 2.1      | 3.5      | 18       | 0.2      |
| 11KJ0438  | Alberta Creek | 634000 | 6987351 | 8007 | 1.4      | 22.9     | 7.9      | 52       | 0.30     | 16.0     | 7.9      | 427      | 2.22        | 5.8      | 0.6     | 3.8      | 2        | 25       | 0.2      |
| 11KJ0437  | Alberta Creek | 634000 | 6987325 | 8006 | 0.9      | 13.1     | 8.3      | 81       | 0.05     | 10.7     | 9.5      | 701      | 3.87        | 5.9      | 0.7     | 0.5      | 3.1      | 83       | 0.049    |
| 11KJ0436  | Alberta Creek | 633999 | 6987300 | 8005 | 1.3      | 40.7     | 9.9      | 69       | 0.60     | 20.2     | 10.7     | 483      | 3.51        | 4.6      | 3       | 5.7      | 4.2      | 88       | 0.2      |
| 11KJ0435  | Alberta Creek | 635799 | 6987809 | 8004 | 1.1      | 15.1     | 11.6     | 72       | 0.05     | 17.7     | 11       | 420      | 3.34        | 8.1      | 0.5     | 0.5      | 2.6      | 30       | 0.049    |
| 11KJ0434  | Alberta Creek | 635794 | 6987782 | 8003 | 0.9      | 15.3     | 10.2     | 62       | 0.05     | 22.0     | 9        | 283      | 3.2         | 11.7     | 0.6     | 2.8      | 3.5      | 26       | 0.2      |
| 11KJ0433  | Alberta Creek | 635800 | 6987751 | 8002 | 0.9      | 10.3     | 11.4     | 72       | 0.05     | 18.5     | 12.1     | 634      | 3.43        | 8.4      | 0.4     | 0.249    | 2.1      | 39       | 0.049    |
| 11KJ0432  | Alberta Creek | 635700 | 6987875 | 8001 | 0.5      | 14.3     | 7.1      | 86       | 0.05     | 16.4     | 15.3     | 645      | 3.57        | 5.7      | 0.5     | 0.249    | 2.2      | 38       | 0.049    |
| 11KJ0431  | Alberta Creek | 635698 | 6987849 | 8000 | 0.3      | 8.5      | 7.5      | 111      | 0.05     | 11.1     | 19.9     | 1104     | 4.37        | 3.2      | 0.4     | 0.249    | 0.9      | 45       | 0.049    |
| 11KJ0430  | Alberta Creek | 635700 | 6987827 | 7999 | 0.3      | 9.0      | 4.3      | 118      | 0.05     | 7.3      | 20       | 1527     | 5.56        | 4.4      | 0.4     | 0.249    | 1.5      | 46       | 0.049    |
| 11KJ0429  | Alberta Creek | 635700 | 6987803 | 7998 | 0.7      | 13.3     | 10.8     | 81       | 0.05     | 15.6     | 15       | 715      | 4.01        | 7.6      | 0.4     | 0.8      | 2        | 32       | 0.1      |
| 11KJ0428  | Alberta Creek | 635696 | 6987774 | 7997 | 0.5      | 10.1     | 6.0      | 93       | 0.05     | 12.5     | 15.2     | 803      | 4.62        | 6.5      | 0.3     | 1.6      | 1.7      | 42       | 0.049    |
| 11KJ0427  | Alberta Creek | 635699 | 6987749 | 7996 | 0.5      | 9.1      | 6.4      | 91       | 0.05     | 11.8     | 14.9     | 704      | 4.06        | 4.5      | 0.3     | 0.249    | 1        | 61       | 0.049    |
| 11KJ0426  | Alberta Creek | 635700 | 6987725 | 7995 | 0.5      | 19.3     | 11.6     | 80       | 0.05     | 17.3     | 13.1     | 676      | 4.03        | 6.3      | 0.9     | 1.3      | 3        | 41       | 0.049    |
| 11KJ0425  | Alberta Creek | 635696 | 6987697 | 7994 | 0.7      | 26.5     | 11.0     | 85       | 0.10     | 29.3     | 15.1     | 994      | 3.6         | 7        | 0.6     | 5.5      | 3.1      | 64       | 0.1      |
| 11KJ0424  | Alberta Creek | 635699 | 6987674 | 7993 | 0.6      | 19.4     | 10.0     | 76       | 0.05     | 25.4     | 13.4     | 862      | 3.59        | 5.5      | 0.8     | 4.8      | 3.6      | 55       | 0.049    |
| 11KJ0423  | Alberta Creek | 635697 | 6987651 | 7992 | 0.7      | 24.0     | 11.2     | 60       | 0.10     | 26.9     | 12       | 701      | 3.05        | 6.7      | 0.5     | 17.1     | 2.6      | 65       | 0.1      |
| 11KJ0422  | Alberta Creek | 635700 | 6987622 | 7991 | 1.0      | 15.0     | 10.4     | 75       | 0.05     | 29.0     | 14.3     | 908      | 4.36        | 6        | 0.7     | 26.7     | 2.4      | 46       | 0.049    |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11KJ0419  | Alberta Creek | 635301 | 6987855 | 7990 | 1.4      | 12.3     | 11.5     | 38       | 0.05     | 20.9     | 7.6      | 205      | 3.07        | 9.4      | 0.4     | 1.4      | 2.9      | 19       | 0.049    |
| 11KJ0418  | Alberta Creek | 635300 | 6987830 | 7989 | 0.6      | 9.4      | 8.6      | 40       | 0.05     | 10.5     | 7.4      | 411      | 2.83        | 4.6      | 0.5     | 2.7      | 2.9      | 59       | 0.049    |
| 11KJ0417  | Alberta Creek | 635300 | 6987804 | 7988 | 0.9      | 7.2      | 9.1      | 71       | 0.05     | 8.6      | 7.7      | 839      | 2.26        | 4.5      | 0.3     | 4.6      | 2        | 47       | 0.2      |
| 11KJ0416  | Alberta Creek | 635300 | 6987777 | 7987 | 0.8      | 15.6     | 12.0     | 58       | 0.05     | 50.6     | 14.9     | 427      | 3.51        | 6.6      | 0.7     | 33.7     | 5.6      | 55       | 0.049    |
| 11KJ0415  | Alberta Creek | 635301 | 6987753 | 7986 | 1.1      | 12.4     | 11.7     | 72       | 0.05     | 15.5     | 12.6     | 718      | 3.62        | 5.7      | 0.4     | 20.3     | 2.3      | 36       | 0.2      |
| 11KJ0414  | Alberta Creek | 635200 | 6987749 | 7985 | 0.9      | 14.5     | 13.2     | 56       | 0.05     | 23.2     | 11.8     | 439      | 3.42        | 6.3      | 0.5     | 56.3     | 3.5      | 30       | 0.049    |
| 11KJ0413  | Alberta Creek | 635200 | 6987775 | 7984 | 0.5      | 10.4     | 9.5      | 69       | 0.20     | 16.7     | 11.7     | 652      | 3.57        | 6.7      | 0.9     | 99.7     | 3.6      | 53       | 0.049    |
| 11KJ0412  | Alberta Creek | 635200 | 6987799 | 7983 | 0.5      | 10.9     | 7.2      | 65       | 0.05     | 17.4     | 12       | 503      | 3.43        | 4.9      | 0.5     | 209.9    | 3.4      | 45       | 0.049    |
| 11KJ0410  | Alberta Creek | 635200 | 6987825 | 7981 | 0.9      | 11.4     | 9.1      | 41       | 0.05     | 15.7     | 7.8      | 313      | 2.71        | 6.2      | 0.6     | 10.9     | 3        | 36       | 0.049    |
| 11KJ0409  | Alberta Creek | 635200 | 6987850 | 7980 | 0.8      | 15.3     | 11.8     | 77       | 0.05     | 20.0     | 14.5     | 629      | 4.15        | 7.5      | 1       | 13.6     | 4.1      | 23       | 0.049    |
| 11KJ0408  | Alberta Creek | 635200 | 6987875 | 7979 | 0.5      | 17.8     | 7.9      | 43       | 0.05     | 16.9     | 7        | 211      | 2.17        | 5.1      | 0.7     | 5.8      | 2.9      | 43       | 0.049    |
| 11KJ0407  | Alberta Creek | 635200 | 6987901 | 7978 | 0.8      | 15.6     | 15.2     | 62       | 0.10     | 42.0     | 14.1     | 778      | 2.75        | 4.9      | 0.8     | 6.9      | 2.3      | 79       | 0.2      |
| 11KJ0406  | Alberta Creek | 635100 | 6987901 | 7977 | 0.6      | 17.0     | 8.5      | 58       | 0.05     | 23.2     | 10.1     | 327      | 2.93        | 6.9      | 0.7     | 28.1     | 3.8      | 28       | 0.049    |
| 11KJ0405  | Alberta Creek | 635100 | 6987876 | 7976 | 0.8      | 13.6     | 9.9      | 50       | 0.05     | 18.3     | 8.9      | 261      | 3.01        | 6.9      | 0.5     | 22.9     | 3.4      | 17       | 0.049    |
| 11KJ0404  | Alberta Creek | 635100 | 6987850 | 7975 | 0.7      | 14.3     | 8.8      | 53       | 0.05     | 17.3     | 9.2      | 246      | 3.03        | 7.7      | 0.4     | 36.5     | 3.5      | 18       | 0.049    |
| 11KJ0403  | Alberta Creek | 635101 | 6987825 | 7974 | 0.8      | 20.3     | 9.9      | 70       | 0.20     | 18.2     | 9.1      | 296      | 2.92        | 6.7      | 1       | 222.3    | 5        | 26       | 0.049    |
| 11KJ0402  | Alberta Creek | 635099 | 6987800 | 7973 | 0.6      | 13.7     | 8.9      | 54       | 0.05     | 12.6     | 9.1      | 316      | 3.04        | 6.6      | 0.6     | 18.8     | 3.5      | 25       | 0.049    |
| 11KJ0401  | Alberta Creek | 635099 | 6987775 | 7972 | 0.6      | 12.7     | 6.0      | 73       | 0.05     | 12.5     | 11.2     | 490      | 3.68        | 5        | 0.7     | 2.2      | 2.7      | 39       | 0.049    |
| 11KJ0400  | Alberta Creek | 635100 | 6987751 | 7971 | 0.6      | 14.2     | 7.3      | 40       | 0.05     | 14.2     | 7.5      | 222      | 2.25        | 6.2      | 0.6     | 3        | 2.8      | 25       | 0.049    |
| 11KJ0329  | Skookum Main  | 625050 | 6989425 | 7075 | 1.8      | 9.7      | 13.2     | 33       | 0.20     | 8.1      | 3.4      | 114      | 2.13        | 5.8      | 0.4     | 4.3      | 2.9      | 13       | 0.049    |
| 11KJ0328  | Skookum Main  | 625050 | 6989400 | 7074 | 1.8      | 46.8     | 14.0     | 88       | 1.10     | 25.4     | 11.9     | 388      | 3.32        | 10.8     | 1.5     | 7.5      | 6.5      | 16       | 0.2      |
| 11KJ0327  | Skookum Main  | 625050 | 6989376 | 7073 | 4.3      | 37.9     | 20.8     | 138      | 0.60     | 12.1     | 8        | 846      | 3.61        | 7.1      | 0.5     | 57.5     | 3        | 19       | 0.4      |
| 11KJ0326  | Skookum Main  | 625050 | 6989350 | 7072 | 4.4      | 75.9     | 20.7     | 122      | 0.30     | 22.9     | 11.3     | 455      | 3.99        | 5.3      | 0.9     | 139.5    | 8.5      | 20       | 0.3      |
| 11KJ0325  | Skookum Main  | 625050 | 6989325 | 7071 | 6.3      | 193.1    | 25.0     | 96       | 0.60     | 12.2     | 9.6      | 389      | 4.88        | 8.3      | 1.2     | 19.1     | 8.4      | 33       | 0.2      |
| 11KJ0324  | Skookum Main  | 625050 | 6989300 | 7070 | 3.7      | 112.8    | 18.0     | 215      | 0.60     | 22.0     | 18.7     | 646      | 4.85        | 5.6      | 0.9     | 16.2     | 4.8      | 29       | 0.4      |
| 11KJ0323  | Skookum Main  | 625050 | 6989274 | 7069 | 1.8      | 61.2     | 15.8     | 317      | 0.40     | 14.4     | 19.8     | 845      | 6.15        | 2.9      | 0.7     | 91.6     | 3.3      | 92       | 0.7      |
| 11KJ0322  | Skookum Main  | 625049 | 6989246 | 7068 | 1.2      | 23.8     | 11.8     | 138      | 0.90     | 16.6     | 13.8     | 1351     | 3.08        | 5.1      | 0.9     | 2.7      | 3.3      | 32       | 0.4      |
| 11KJ0321  | Skookum Main  | 625050 | 6989218 | 7067 | 0.8      | 41.9     | 32.6     | 191      | 0.05     | 9.5      | 13.5     | 932      | 4.87        | 2.5      | 0.4     | 0.249    | 2.7      | 25       | 0.3      |
| 11KJ0320  | Skookum Main  | 625050 | 6989193 | 7066 | 0.5      | 69.3     | 65.5     | 182      | 0.20     | 10.2     | 14.8     | 763      | 4           | 1.8      | 0.4     | 51.3     | 2.1      | 34       | 0.3      |
| 11KJ0319  | Skookum Main  | 625050 | 6989171 | 7065 | 0.6      | 35.8     | 28.6     | 129      | 0.10     | 12.4     | 12.9     | 487      | 3.44        | 3.4      | 0.5     | 1.2      | 1.9      | 28       | 0.2      |
| 11KJ0318  | Skookum Main  | 625050 | 6989146 | 7064 | 1.4      | 20.7     | 29.8     | 85       | 0.30     | 11.1     | 8.9      | 374      | 3.06        | 4.7      | 0.4     | 0.249    | 1.8      | 29       | 0.2      |
| 11KJ0317  | Skookum Main  | 625050 | 6989124 | 7063 | 0.7      | 26.2     | 42.1     | 156      | 0.05     | 10.9     | 12.2     | 520      | 3.43        | 3.2      | 0.4     | 0.249    | 2.1      | 28       | 0.1      |
| 11KJ0316  | Skookum Main  | 625050 | 6989099 | 7062 | 0.6      | 27.5     | 22.0     | 119      | 0.05     | 12.6     | 15.5     | 518      | 3.68        | 2.8      | 0.3     | 0.7      | 1.9      | 28       | 0.1      |
| 11KJ0315  | Skookum Main  | 625049 | 6989074 | 7061 | 0.7      | 24.5     | 18.5     | 84       | 0.05     | 13.9     | 13.5     | 353      | 3.72        | 4.2      | 0.3     | 0.6      | 1.9      | 22       | 0.1      |
| 11KJ0313  | Skookum Main  | 625100 | 6989879 | 7060 | 4.3      | 36.9     | 12.8     | 88       | 0.20     | 13.3     | 8.4      | 360      | 2.91        | 5.5      | 2.8     | 9.5      | 5        | 30       | 0.2      |
| 11KJ0311  | Skookum Main  | 625100 | 6989829 | 7059 | 5.5      | 33.2     | 18.7     | 79       | 0.10     | 15.0     | 8        | 310      | 3.12        | 6.1      | 1.1     | 12.1     | 5        | 21       | 0.1      |
| 11KJ0305  | Skookum Main  | 625101 | 6989625 | 7058 | 2.6      | 32.7     | 15.2     | 83       | 0.20     | 14.3     | 8.4      | 343      | 2.82        | 4.4      | 1.1     | 41.9     | 5.4      | 36       | 0.1      |
| 11KJ0303  | Skookum Main  | 625100 | 6989575 | 7057 | 15.9     | 82.8     | 27.4     | 115      | 0.40     | 177.5    | 25.5     | 712      | 4.52        | 6.6      | 2.3     | 627.2    | 12.4     | 126      | 0.1      |
| 11KJ0300  | Skookum Main  | 625100 | 6989450 | 7056 | 4.1      | 20.8     | 13.5     | 63       | 0.10     | 10.8     | 6.4      | 241      | 3.16        | 7.1      | 0.5     | 33.8     | 3.9      | 22       | 0.2      |
| 11KJ0299  | Skookum Main  | 625100 | 6989425 | 7055 | 4.5      | 19.9     | 16.5     | 76       | 0.30     | 9.2      | 5.7      | 435      | 2.61        | 5.1      | 0.5     | 54.1     | 4        | 22       | 0.3      |
| 11KJ0298  | Skookum Main  | 625100 | 6989375 | 7054 | 3.1      | 71.9     | 15.4     | 119      | 0.50     | 8.0      | 6.8      | 438      | 3.53        | 5.2      | 0.7     | 17.2     | 5.4      | 20       | 0.3      |
| 11KJ0297  | Skookum Main  | 625099 | 6989325 | 7053 | 3.2      | 83.0     | 20.4     | 78       | 0.70     | 9.9      | 9.3      | 663      | 3.16        | 7        | 0.7     | 27.6     | 3.8      | 26       | 0.2      |
| 11KJ0296  | Skookum Main  | 625100 | 6989275 | 7052 | 1.4      | 34.0     | 12.6     | 198      | 0.20     | 10.3     | 14.4     | 950      | 4.49        | 3.7      | 0.5     | 3.1      | 3        | 115      | 0.3      |
| 11KJ0295  | Skookum Main  | 625102 | 6989226 | 7051 | 1.1      | 33.2     | 42.6     | 209      | 0.30     | 12.4     | 11.7     | 565      | 3.29        | 4.9      | 0.3     | 14.7     | 2        | 36       | 0.5      |
| 11KJ0294  | Skookum Main  | 625100 | 6989176 | 7050 | 1.1      | 31.1     | 13.9     | 140      | 0.05     | 12.6     | 17.2     | 622      | 5.05        | 45.6     | 0.6     | 1.2      | 4.1      | 19       | 0.4      |
| 11KJ0293  | Skookum Main  | 625100 | 6989150 | 7049 | 1.1      | 30.7     | 16.3     | 144      | 0.10     | 12.0     | 14.3     | 499      | 4.61        | 3.3      | 0.5     | 3        | 2.5      | 22       | 0.3      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11KJ0291  | Skookum Main | 625100 | 6989076 | 7048 | 0.8      | 28.9     | 11.4     | 76       | 0.50     | 15.3     | 12.1     | 497      | 3.39        | 5.3      | 0.9     | 1.9      | 2.9      | 32       | 0.1      |
| 11KJ0284  | Skookum Main | 625401 | 6989776 | 7243 | 3.0      | 32.9     | 17.7     | 113      | 0.30     | 14.5     | 13.1     | 520      | 3.42        | 5.9      | 0.8     | 13.4     | 5.1      | 20       | 0.2      |
| 11KJ0283  | Skookum Main | 625400 | 6989751 | 7242 | 1.5      | 42.8     | 29.0     | 270      | 0.10     | 10.1     | 12.4     | 692      | 3.53        | 2.9      | 0.7     | 8.3      | 5        | 34       | 0.2      |
| 11KJ0282  | Skookum Main | 625400 | 6989725 | 7241 | 1.8      | 28.8     | 16.8     | 74       | 0.20     | 22.4     | 11.6     | 324      | 3.14        | 7.8      | 0.7     | 7.4      | 7.7      | 18       | 0.2      |
| 11KJ0280  | Skookum Main | 625400 | 6989627 | 7240 | 7.2      | 116.3    | 25.3     | 137      | 0.40     | 20.4     | 7        | 265      | 3.62        | 10.3     | 0.8     | 16.3     | 4.9      | 19       | 0.6      |
| 11KJ0279  | Skookum Main | 625400 | 6989575 | 7239 | 2.6      | 65.1     | 26.7     | 124      | 0.60     | 29.8     | 10.2     | 290      | 3.3         | 10.7     | 0.6     | 33.1     | 5.1      | 16       | 0.7      |
| 11KJ0278  | Skookum Main | 625400 | 6989525 | 7238 | 3.1      | 36.3     | 18.9     | 90       | 0.30     | 21.8     | 9.6      | 563      | 3.14        | 9.3      | 0.6     | 9.4      | 4.3      | 15       | 0.7      |
| 11KJ0277  | Skookum Main | 625400 | 6989473 | 7237 | 13.4     | 30.3     | 17.1     | 88       | 0.10     | 16.5     | 8.8      | 331      | 3.29        | 7        | 0.8     | 173.7    | 6.6      | 32       | 0.3      |
| 11KJ0274  | Skookum Main | 625399 | 6989325 | 7236 | 4.7      | 33.7     | 16.0     | 90       | 0.05     | 21.1     | 11.6     | 353      | 3.84        | 4.6      | 1       | 28.2     | 6.8      | 22       | 0.049    |
| 11KJ0272  | Skookum Main | 625600 | 6989125 | 7235 | 2.9      | 53.2     | 10.4     | 65       | 0.10     | 17.4     | 8.5      | 347      | 3.02        | 8.3      | 1.3     | 1.7      | 7.2      | 18       | 0.2      |
| 11KJ0271  | Skookum Main | 625599 | 6989175 | 7234 | 1.5      | 79.9     | 10.6     | 52       | 0.10     | 16.1     | 7.9      | 283      | 2.81        | 7.5      | 0.9     | 3.5      | 5        | 18       | 0.049    |
| 11KJ0270  | Skookum Main | 625400 | 6989274 | 7233 | 2.2      | 16.5     | 10.2     | 53       | 0.20     | 18.9     | 7        | 305      | 2.67        | 8.1      | 0.6     | 10.6     | 4.7      | 24       | 0.1      |
| 11KJ0269  | Skookum Main | 625400 | 6989225 | 7232 | 2.2      | 11.5     | 11.0     | 47       | 0.10     | 13.8     | 6.6      | 556      | 2.19        | 4        | 0.4     | 13.8     | 3.5      | 24       | 0.2      |
| 11KJ0268  | Skookum Main | 625400 | 6989175 | 7231 | 1.1      | 51.5     | 11.0     | 85       | 0.10     | 10.0     | 7.4      | 481      | 3.34        | 5.1      | 0.6     | 1.4      | 6        | 19       | 0.2      |
| 11KJ0267  | Skookum Main | 625400 | 6989126 | 7230 | 2.6      | 32.4     | 11.0     | 81       | 0.05     | 14.4     | 7.2      | 255      | 3.09        | 4.5      | 0.6     | 11.5     | 7.9      | 17       | 0.049    |
| 11KJ0266  | Skookum Main | 625400 | 6989075 | 7229 | 1.0      | 28.0     | 31.4     | 147      | 0.05     | 13.8     | 12.1     | 740      | 3.81        | 3.8      | 0.5     | 2.4      | 4.2      | 34       | 0.2      |
| 11KJ0264  | Skookum Main | 625601 | 6989877 | 7228 | 2.2      | 26.8     | 13.3     | 74       | 0.10     | 16.4     | 7.6      | 305      | 3.29        | 7.2      | 0.5     | 10.3     | 2.6      | 18       | 0.3      |
| 11KJ0259  | Skookum Main | 625600 | 6989750 | 7227 | 3.8      | 36.5     | 12.2     | 51       | 0.05     | 15.8     | 8.9      | 275      | 2.8         | 7.7      | 0.6     | 31.9     | 4.1      | 16       | 0.2      |
| 11KJ0258  | Skookum Main | 625600 | 6989726 | 7226 | 4.5      | 33.5     | 13.1     | 60       | 0.05     | 11.6     | 5        | 181      | 2.34        | 4.9      | 0.6     | 91.7     | 1.6      | 25       | 0.1      |
| 11KJ0256  | Skookum Main | 625600 | 6989651 | 7225 | 2.4      | 28.4     | 12.1     | 67       | 0.20     | 18.2     | 8.6      | 304      | 3.15        | 10.9     | 0.6     | 15.9     | 3.8      | 15       | 0.2      |
| 11KJ0255  | Skookum Main | 625600 | 6989625 | 7224 | 4.2      | 49.4     | 13.4     | 63       | 0.80     | 10.0     | 8.4      | 459      | 3.14        | 7.3      | 0.5     | 69.4     | 5        | 15       | 0.2      |
| 11KJ0254  | Skookum Main | 625601 | 6989600 | 7223 | 3.3      | 117.1    | 13.4     | 67       | 0.60     | 14.4     | 7        | 347      | 3.52        | 13.2     | 0.6     | 11.1     | 5.1      | 17       | 0.1      |
| 11KJ0252  | Skookum Main | 625600 | 6989576 | 7221 | 3.1      | 47.0     | 12.2     | 60       | 1.50     | 27.7     | 10.8     | 306      | 3.11        | 11.8     | 0.5     | 98.1     | 4        | 16       | 0.1      |
| 11KJ0251  | Skookum Main | 625600 | 6989525 | 7220 | 2.0      | 80.9     | 11.8     | 58       | 0.20     | 21.5     | 8.4      | 285      | 2.87        | 9.5      | 1.2     | 45.4     | 6.7      | 20       | 0.049    |
| 11KJ0250  | Skookum Main | 625600 | 6989475 | 7219 | 3.0      | 47.5     | 11.5     | 67       | 0.40     | 18.9     | 8.3      | 406      | 3.33        | 10.4     | 0.5     | 32.2     | 3.7      | 15       | 0.1      |
| 11KJ0249  | Skookum Main | 625600 | 6989425 | 7218 | 0.8      | 156.3    | 8.7      | 84       | 0.05     | 13.1     | 7        | 256      | 2.9         | 5.2      | 0.8     | 5.1      | 12.1     | 26       | 0.2      |
| 11KJ0248  | Skookum Main | 625600 | 6989376 | 7217 | 0.9      | 130.4    | 9.1      | 59       | 0.10     | 11.4     | 5.5      | 193      | 2.73        | 5.8      | 0.6     | 2.9      | 8.9      | 17       | 0.1      |
| 11KJ0247  | Skookum Main | 625600 | 6989326 | 7216 | 1.7      | 162.2    | 8.5      | 98       | 0.20     | 5.0      | 4.7      | 335      | 2.84        | 3.4      | 0.8     | 1.2      | 8        | 19       | 0.049    |
| 11KJ0246  | Skookum Main | 625600 | 6989276 | 7215 | 1.6      | 176.8    | 12.8     | 132      | 0.10     | 13.8     | 11.9     | 323      | 3.97        | 10.3     | 0.9     | 1.9      | 5.7      | 14       | 0.1      |
| 11KJ0245  | Skookum Main | 625600 | 6989225 | 7214 | 1.0      | 47.8     | 9.1      | 55       | 0.05     | 20.2     | 9        | 240      | 2.89        | 10.4     | 0.6     | 3.6      | 4.7      | 19       | 0.049    |
| 11KJ0243  | Skookum Main | 625750 | 6990000 | 7213 | 1.2      | 35.5     | 10.3     | 64       | 0.10     | 30.7     | 12.6     | 537      | 3.05        | 8.8      | 1.8     | 18.9     | 5.6      | 26       | 0.049    |
| 11KJ0236  | Skookum Main | 625749 | 6989725 | 7212 | 1.1      | 23.5     | 9.8      | 58       | 0.05     | 19.1     | 9.9      | 351      | 3.06        | 9        | 1.1     | 4.2      | 5.6      | 20       | 0.049    |
| 11KJ0235  | Skookum Main | 625750 | 6989674 | 7211 | 2.0      | 31.2     | 10.7     | 65       | 0.30     | 20.6     | 9.8      | 294      | 3.02        | 9.2      | 0.7     | 56.4     | 4.4      | 14       | 0.1      |
| 11KJ0234  | Skookum Main | 625750 | 6989626 | 7210 | 6.0      | 37.9     | 12.2     | 111      | 0.30     | 14.8     | 6.9      | 353      | 3.13        | 8.7      | 0.6     | 148.5    | 4.3      | 15       | 0.4      |
| 11KJ0233  | Skookum Main | 625750 | 6989578 | 7209 | 3.4      | 45.3     | 9.5      | 74       | 0.10     | 14.5     | 7.2      | 338      | 2.87        | 6.4      | 0.8     | 73.8     | 5.1      | 17       | 0.2      |
| 11KJ0232  | Skookum Main | 625749 | 6989550 | 7208 | 2.5      | 43.4     | 10.4     | 71       | 0.20     | 17.2     | 8.8      | 350      | 3.16        | 7.5      | 0.7     | 102.5    | 5.1      | 18       | 0.2      |
| 11KJ0231  | Skookum Main | 625750 | 6989527 | 7207 | 2.7      | 35.8     | 10.3     | 71       | 0.20     | 16.6     | 6.5      | 273      | 3.22        | 8.7      | 0.6     | 41.5     | 4.3      | 15       | 0.1      |
| 11KJ0230  | Skookum Main | 625750 | 6989475 | 7206 | 6.7      | 63.2     | 15.1     | 84       | 0.50     | 30.0     | 18.3     | 2256     | 3.83        | 8.8      | 1.8     | 56.7     | 4.9      | 31       | 0.4      |
| 11KJ0229  | Skookum Main | 625750 | 6989427 | 7205 | 4.1      | 42.7     | 11.2     | 81       | 0.40     | 17.9     | 10.1     | 853      | 2.94        | 7.2      | 1.1     | 76       | 4.6      | 28       | 0.4      |
| 11KJ0228  | Skookum Main | 625749 | 6989400 | 7204 | 3.3      | 33.8     | 10.4     | 62       | 0.20     | 18.4     | 10.2     | 504      | 3.03        | 7.5      | 1       | 60.1     | 5.7      | 26       | 0.049    |
| 11KJ0227  | Skookum Main | 625750 | 6989352 | 7203 | 5.7      | 40.0     | 14.1     | 65       | 0.30     | 21.3     | 13       | 846      | 3.17        | 8.5      | 1.5     | 39.8     | 4.8      | 39       | 0.2      |
| 11KJ0226  | Skookum Main | 625751 | 6989301 | 7202 | 2.0      | 66.2     | 7.2      | 51       | 0.05     | 11.0     | 6.1      | 282      | 2.46        | 4.3      | 1.7     | 7.7      | 9.8      | 21       | 0.049    |
| 11KJ0218  | Skookum Main | 625750 | 6989073 | 7201 | 0.7      | 14.5     | 5.7      | 78       | 0.05     | 13.8     | 10       | 390      | 3.17        | 3.7      | 0.6     | 1.5      | 4.6      | 16       | 0.049    |
| 11KJ0217  | Skookum Main | 625900 | 6989628 | 7905 | 1.2      | 22.4     | 8.7      | 51       | 0.05     | 18.4     | 9.3      | 360      | 2.81        | 5.3      | 1       | 23.1     | 8.8      | 28       | 0.1      |
| 11KJ0216  | Skookum Main | 625900 | 6989575 | 7904 | 1.8      | 17.9     | 9.4      | 59       | 0.05     | 23.5     | 9.8      | 361      | 3.55        | 9.7      | 0.7     | 17.6     | 5.3      | 17       | 0.1      |
| 11KJ0215  | Skookum Main | 625900 | 6989523 | 7903 | 1.8      | 15.9     | 10.1     | 57       | 0.20     | 22.3     | 8.3      | 353      | 3.24        | 8        | 0.6     | 8.1      | 6.7      | 16       | 0.1      |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11KJ0214  | Skookum Main  | 625900 | 6989475 | 7902 | 1.2      | 21.2     | 9.4      | 51       | 0.05     | 20.1     | 8.7      | 315      | 2.78        | 5.4      | 0.7     | 16.4     | 7.7      | 23       | 0.1      |
| 11KJ0213  | Skookum Main  | 625900 | 6989424 | 7901 | 1.3      | 17.7     | 10.7     | 54       | 0.10     | 14.9     | 8.5      | 357      | 3.18        | 9.5      | 0.6     | 1.6      | 6        | 19       | 0.2      |
| 11KJ0212  | Skookum Main  | 625900 | 6989376 | 7900 | 0.5      | 16.8     | 9.6      | 46       | 0.05     | 6.0      | 5.6      | 183      | 2.18        | 1.6      | 0.5     | 1.1      | 12.3     | 26       | 0.1      |
| 11KJ0211  | Skookum Main  | 625900 | 6989325 | 7899 | 0.9      | 14.3     | 7.3      | 51       | 0.05     | 11.6     | 7        | 325      | 2.8         | 3.4      | 0.7     | 2.5      | 10.4     | 24       | 0.049    |
| 11KJ0210  | Skookum Main  | 625900 | 6989276 | 7898 | 2.0      | 23.8     | 10.0     | 42       | 0.20     | 23.4     | 7.5      | 276      | 2.31        | 4.5      | 1       | 5.1      | 6        | 28       | 0.1      |
| 11KJ0209  | Skookum Main  | 625900 | 6989226 | 7897 | 1.5      | 23.8     | 14.6     | 64       | 0.05     | 16.5     | 7.5      | 319      | 2.85        | 6        | 0.9     | 7.1      | 6.4      | 23       | 0.1      |
| 11KJ0208  | Skookum Main  | 625900 | 6989175 | 7896 | 0.7      | 22.9     | 9.5      | 49       | 0.10     | 21.7     | 9.8      | 291      | 2.99        | 8.2      | 0.9     | 5.9      | 4.8      | 25       | 0.049    |
| 11KJ0207  | Skookum Main  | 625949 | 6989175 | 7895 | 1.2      | 28.8     | 9.5      | 59       | 0.30     | 20.5     | 10.8     | 367      | 3.41        | 9.3      | 0.6     | 3.5      | 3.1      | 21       | 0.2      |
| 11KJ0206  | Skookum Main  | 625950 | 6989225 | 7894 | 0.8      | 27.9     | 6.1      | 93       | 0.05     | 13.2     | 18       | 496      | 3.92        | 2.7      | 1.3     | 0.9      | 8.4      | 10       | 0.049    |
| 11KJ0205  | Skookum Main  | 625951 | 6989276 | 7893 | 1.2      | 15.0     | 9.9      | 42       | 0.05     | 6.4      | 4.3      | 421      | 1.59        | 4        | 0.5     | 3.2      | 1.9      | 18       | 0.2      |
| 11KJ0204  | Skookum Main  | 625950 | 6989324 | 7892 | 1.1      | 13.0     | 8.4      | 41       | 0.05     | 16.4     | 7.3      | 316      | 2.85        | 6.7      | 0.5     | 6        | 6.8      | 20       | 0.049    |
| 11KJ0203  | Skookum Main  | 625950 | 6989374 | 7891 | 0.9      | 16.5     | 9.6      | 46       | 0.05     | 18.8     | 8.4      | 288      | 3.01        | 10.8     | 0.6     | 2.4      | 5.3      | 19       | 0.049    |
| 11KJ0202  | Skookum Main  | 625950 | 6989424 | 7890 | 1.0      | 26.7     | 9.2      | 50       | 0.05     | 21.4     | 10.8     | 362      | 3.52        | 6.3      | 0.6     | 1.4      | 5.6      | 34       | 0.049    |
| 11KJ0201  | Skookum Main  | 625951 | 6989475 | 7889 | 1.0      | 22.5     | 9.0      | 50       | 0.05     | 19.5     | 8.8      | 322      | 2.76        | 6.8      | 0.7     | 11.9     | 7.7      | 26       | 0.049    |
| 11KJ0200  | Skookum Main  | 625950 | 6989525 | 7888 | 1.2      | 33.8     | 9.3      | 74       | 0.05     | 26.1     | 12.7     | 433      | 4.17        | 6.4      | 0.6     | 2.9      | 6.9      | 22       | 0.049    |
| 11KJ0199  | Skookum Main  | 625950 | 6989575 | 7887 | 1.1      | 19.3     | 9.6      | 55       | 0.05     | 23.6     | 10.6     | 324      | 3.18        | 8.6      | 0.6     | 4.6      | 5.6      | 21       | 0.049    |
| 11KJ0198  | Skookum Main  | 625950 | 6989625 | 7886 | 1.1      | 33.0     | 11.6     | 61       | 0.05     | 28.3     | 10.5     | 412      | 3.27        | 11.8     | 1.5     | 12.5     | 8.8      | 24       | 0.049    |
| 11KJ0197  | Skookum Main  | 625949 | 6989675 | 7885 | 0.9      | 20.8     | 8.4      | 55       | 0.05     | 22.7     | 10.1     | 323      | 2.99        | 7.2      | 0.8     | 12.4     | 8.9      | 18       | 0.1      |
| 11KJ0196  | Skookum Main  | 625950 | 6989725 | 7884 | 1.3      | 27.5     | 10.5     | 65       | 0.05     | 30.7     | 12.5     | 334      | 3.33        | 10.4     | 0.9     | 18.3     | 6.2      | 21       | 0.049    |
| 11KJ0195  | Skookum Main  | 625950 | 6989775 | 7883 | 3.7      | 18.9     | 8.4      | 48       | 0.05     | 18.4     | 9.1      | 265      | 3.41        | 6.9      | 0.8     | 61.9     | 4.7      | 22       | 0.049    |
| 11KJ0194  | Skookum Main  | 625950 | 6989825 | 7882 | 5.8      | 20.0     | 8.2      | 39       | 0.05     | 17.3     | 7.2      | 269      | 2.46        | 6.5      | 1       | 109.6    | 6.3      | 22       | 0.049    |
| 11KJ0193  | Skookum Main  | 625950 | 6989875 | 7881 | 4.3      | 22.8     | 7.6      | 45       | 0.05     | 17.2     | 9.4      | 369      | 2.62        | 5.9      | 0.9     | 107.7    | 5.1      | 20       | 0.049    |
| 11KJ0192  | Skookum Main  | 625950 | 6989925 | 7880 | 2.4      | 29.5     | 10.2     | 53       | 0.20     | 24.9     | 9.9      | 364      | 2.84        | 8.3      | 1.1     | 8.9      | 3.9      | 22       | 0.3      |
| 11KJ0191  | Skookum Main  | 625950 | 6989975 | 7879 | 2.0      | 24.3     | 11.2     | 52       | 0.05     | 19.4     | 6.8      | 231      | 2.84        | 10       | 0.9     | 6.2      | 1.8      | 18       | 0.2      |
| 11KJ0190  | Skookum Main  | 625950 | 6990025 | 7878 | 13.1     | 52.6     | 17.0     | 84       | 0.60     | 46.7     | 15.2     | 1042     | 4.43        | 13.8     | 7.5     | 31.6     | 2.1      | 84       | 0.3      |
| 11JM0706  | Alberta Creek | 633900 | 6987599 | 8059 | 0.6      | 29.6     | 3.0      | 92       | 0.05     | 22.3     | 33.3     | 1135     | 8.2         | 3.1      | 0.4     | 0.8      | 1.4      | 39       | 0.049    |
| 11JM0705  | Alberta Creek | 633898 | 6987573 | 8058 | 1.5      | 33.1     | 5.6      | 79       | 0.05     | 24.8     | 11.7     | 548      | 3.86        | 8.5      | 0.9     | 52.3     | 3.9      | 19       | 0.049    |
| 11JM0704  | Alberta Creek | 633899 | 6987549 | 8057 | 1.3      | 42.4     | 8.3      | 95       | 0.05     | 20.0     | 11.8     | 793      | 4.83        | 6.2      | 0.6     | 0.249    | 3.9      | 11       | 0.049    |
| 11JM0703  | Alberta Creek | 633900 | 6987526 | 8056 | 0.9      | 43.6     | 8.3      | 101      | 0.05     | 16.3     | 12.9     | 817      | 5.23        | 4.3      | 0.5     | 0.8      | 2.9      | 17       | 0.2      |
| 11JM0702  | Alberta Creek | 633898 | 6987497 | 8055 | 1.5      | 51.4     | 6.6      | 99       | 0.05     | 35.3     | 10.5     | 565      | 4.52        | 5        | 1.2     | 2.7      | 5.6      | 26       | 0.1      |
| 11JM0701  | Alberta Creek | 633898 | 6987476 | 8054 | 2.5      | 50.7     | 3.2      | 85       | 0.05     | 26.2     | 10.2     | 642      | 3.62        | 3.5      | 0.4     | 0.249    | 6.9      | 9        | 0.049    |
| 11JM0700  | Alberta Creek | 633898 | 6987450 | 8053 | 0.8      | 44.2     | 3.7      | 88       | 0.05     | 13.9     | 10.3     | 804      | 4.8         | 3.6      | 0.6     | 0.249    | 9.3      | 8        | 0.049    |
| 11JM0699  | Alberta Creek | 633898 | 6987450 | 8052 | 0.8      | 43.5     | 2.9      | 83       | 0.05     | 13.3     | 10       | 752      | 4.67        | 3.6      | 0.6     | 0.249    | 7.8      | 7        | 0.049    |
| 11JM0698  | Alberta Creek | 633899 | 6987425 | 8051 | 1.7      | 60.0     | 7.1      | 156      | 0.05     | 16.3     | 11.7     | 1135     | 5.26        | 4        | 0.8     | 0.7      | 4.9      | 13       | 0.2      |
| 11JM0697  | Alberta Creek | 633899 | 6987401 | 8050 | 4.2      | 92.9     | 23.0     | 100      | 0.05     | 45.3     | 16.2     | 527      | 4.16        | 14.1     | 0.7     | 2.4      | 2.9      | 31       | 0.1      |
| 11JM0696  | Alberta Creek | 633900 | 6987376 | 8049 | 0.9      | 38.0     | 6.5      | 85       | 0.05     | 58.5     | 15.6     | 847      | 4.58        | 5        | 0.7     | 1.3      | 5.9      | 63       | 0.049    |
| 11JM0695  | Alberta Creek | 633899 | 6987352 | 8048 | 0.8      | 8.1      | 7.9      | 63       | 0.05     | 11.7     | 9.2      | 762      | 3.35        | 4.3      | 0.4     | 1        | 2.4      | 130      | 0.049    |
| 11JM0694  | Alberta Creek | 633898 | 6987325 | 8047 | 0.6      | 26.6     | 5.6      | 77       | 0.05     | 37.1     | 13.5     | 628      | 4.08        | 6.5      | 1       | 1.7      | 4.9      | 86       | 0.049    |
| 11JM0693  | Alberta Creek | 633899 | 6987299 | 8046 | 0.4      | 69.2     | 3.0      | 96       | 0.05     | 16.3     | 12.5     | 835      | 4.74        | 1.7      | 0.8     | 0.6      | 5.6      | 62       | 0.049    |
| 11JM0692  | Alberta Creek | 635799 | 6987703 | 8045 | 0.4      | 20.1     | 6.6      | 100      | 0.05     | 36.6     | 20       | 854      | 5.25        | 9.5      | 0.6     | 0.249    | 3.2      | 84       | 0.049    |
| 11JM0691  | Alberta Creek | 635800 | 6987677 | 8044 | 0.6      | 18.6     | 11.4     | 78       | 0.05     | 44.3     | 16.2     | 716      | 4.14        | 6.8      | 0.8     | 1.3      | 4.3      | 59       | 0.049    |
| 11JM0690  | Alberta Creek | 635804 | 6987649 | 8043 | 0.4      | 22.8     | 18.3     | 84       | 0.05     | 58.4     | 15.9     | 723      | 3.88        | 5.4      | 1.1     | 32.4     | 9        | 91       | 0.049    |
| 11JM0689  | Alberta Creek | 635600 | 6987628 | 8042 | 1.2      | 48.5     | 12.8     | 64       | 0.05     | 131.1    | 27.1     | 779      | 4.95        | 5.7      | 0.8     | 1.6      | 4.8      | 43       | 0.049    |
| 11JM0688  | Alberta Creek | 635599 | 6987651 | 8041 | 1.0      | 13.2     | 12.1     | 70       | 0.05     | 31.7     | 14.9     | 970      | 4.2         | 7.1      | 0.7     | 20.2     | 2.8      | 62       | 0.1      |
| 11JM0687  | Alberta Creek | 635601 | 6987674 | 8040 | 2.3      | 15.3     | 14.0     | 72       | 0.05     | 13.2     | 14.1     | 1300     | 4.32        | 3.5      | 0.8     | 4.5      | 1.7      | 181      | 0.1      |
| 11JM0686  | Alberta Creek | 635602 | 6987703 | 8039 | 0.9      | 10.2     | 10.3     | 57       | 0.05     | 15.3     | 10.4     | 598      | 3.03        | 6.2      | 0.6     | 13.4     | 2.9      | 31       | 0.049    |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11JM0685  | Alberta Creek | 635601 | 6987724 | 8038 | 0.7      | 8.9      | 17.6     | 93       | 0.05     | 15.2     | 16.2     | 1027     | 5.09        | 3.4      | 0.8     | 27.9     | 3.3      | 32       | 0.049    |
| 11JM0684  | Alberta Creek | 635598 | 6987750 | 8037 | 0.6      | 15.2     | 14.2     | 79       | 0.05     | 16.6     | 14.1     | 787      | 4.17        | 6.5      | 0.7     | 0.249    | 3.5      | 42       | 0.049    |
| 11JM0683  | Alberta Creek | 635601 | 6987773 | 8036 | 0.8      | 12.4     | 14.6     | 79       | 0.05     | 20.2     | 13.7     | 551      | 4.05        | 8.4      | 0.6     | 1.3      | 3.2      | 45       | 0.049    |
| 11JM0682  | Alberta Creek | 635601 | 6987801 | 8035 | 1.0      | 9.1      | 12.8     | 93       | 0.05     | 14.1     | 15.3     | 818      | 4.64        | 6.6      | 0.6     | 0.249    | 2.1      | 25       | 0.049    |
| 11JM0681  | Alberta Creek | 635600 | 6987873 | 8034 | 0.6      | 14.1     | 11.4     | 74       | 0.05     | 52.7     | 16       | 607      | 3.61        | 6.1      | 0.6     | 0.249    | 4.1      | 76       | 0.1      |
| 11JM0679  | Alberta Creek | 635599 | 6987851 | 8032 | 0.3      | 7.9      | 8.0      | 105      | 0.05     | 11.7     | 14.5     | 926      | 4.55        | 3        | 0.6     | 1.6      | 1.3      | 48       | 0.049    |
| 11JM0678  | Alberta Creek | 635599 | 6987826 | 8031 | 0.7      | 9.6      | 8.8      | 92       | 0.05     | 12.6     | 14.3     | 994      | 4.66        | 5.2      | 0.4     | 0.249    | 2.2      | 26       | 0.049    |
| 11JM0671  | Alberta Creek | 634999 | 6987900 | 8030 | 0.4      | 11.3     | 10.4     | 83       | 0.05     | 16.8     | 10.4     | 618      | 3.27        | 3.8      | 0.6     | 27.7     | 3        | 39       | 0.1      |
| 11JM0670  | Alberta Creek | 634999 | 6987875 | 8029 | 0.7      | 14.8     | 8.3      | 63       | 0.05     | 18.4     | 9.5      | 411      | 2.84        | 6.8      | 0.8     | 10       | 4.1      | 26       | 0.049    |
| 11JM0669  | Alberta Creek | 635000 | 6987849 | 8028 | 0.6      | 8.9      | 10.8     | 86       | 0.05     | 11.0     | 12.2     | 982      | 3.94        | 3.9      | 0.6     | 8.8      | 5.6      | 29       | 0.049    |
| 11JM0668  | Alberta Creek | 635000 | 6987825 | 8027 | 0.4      | 9.4      | 6.2      | 115      | 0.05     | 9.9      | 16.6     | 1223     | 4.77        | 3.5      | 0.9     | 252.4    | 5.6      | 32       | 0.1      |
| 11JM0667  | Alberta Creek | 635001 | 6987798 | 8026 | 0.4      | 10.8     | 8.4      | 107      | 0.05     | 12.1     | 15.3     | 979      | 4.53        | 3.6      | 0.4     | 1.3      | 3.6      | 42       | 0.049    |
| 11JM0666  | Alberta Creek | 634999 | 6987778 | 8025 | 0.4      | 12.7     | 6.5      | 104      | 0.05     | 10.8     | 14.3     | 1162     | 4.29        | 3.9      | 0.7     | 10.7     | 3.8      | 62       | 0.049    |
| 11JM0665  | Alberta Creek | 634998 | 6987750 | 8024 | 0.5      | 12.1     | 9.6      | 88       | 0.05     | 13.6     | 13.8     | 935      | 3.81        | 3.6      | 0.6     | 24.6     | 4.7      | 41       | 0.049    |
| 11JM0664  | Alberta Creek | 634900 | 6987727 | 8023 | 0.7      | 7.8      | 7.6      | 85       | 0.05     | 11.0     | 12.8     | 714      | 4.06        | 5.7      | 0.4     | 0.249    | 3.1      | 38       | 0.049    |
| 11JM0663  | Alberta Creek | 634897 | 6987748 | 8022 | 0.9      | 7.8      | 14.5     | 58       | 0.05     | 15.2     | 9        | 405      | 2.82        | 5.7      | 0.4     | 1.2      | 2.4      | 29       | 0.049    |
| 11JM0662  | Alberta Creek | 634902 | 6987774 | 8021 | 0.7      | 22.4     | 9.1      | 68       | 0.05     | 19.5     | 10.9     | 525      | 3.32        | 6.7      | 0.5     | 27.2     | 4.2      | 32       | 0.049    |
| 11JM0661  | Alberta Creek | 634902 | 6987797 | 8020 | 0.5      | 15.6     | 10.9     | 100      | 0.05     | 13.9     | 14.1     | 1022     | 4.36        | 4.8      | 0.8     | 30.1     | 4.3      | 40       | 0.049    |
| 11JM0660  | Alberta Creek | 634903 | 6987848 | 8019 | 0.4      | 16.0     | 7.1      | 76       | 0.05     | 14.7     | 10.6     | 602      | 3.32        | 5.2      | 0.6     | 14       | 2.9      | 39       | 0.049    |
| 11JM0659  | Alberta Creek | 634903 | 6987848 | 8018 | 0.6      | 21.4     | 10.6     | 64       | 0.05     | 19.5     | 9.8      | 488      | 2.98        | 6.8      | 0.9     | 12.9     | 3.8      | 33       | 0.049    |
| 11JM0658  | Alberta Creek | 634901 | 6987874 | 8017 | 0.4      | 11.3     | 8.0      | 84       | 0.05     | 14.1     | 12.1     | 782      | 3.62        | 5.9      | 0.5     | 5.3      | 2.6      | 35       | 0.1      |
| 11JM0657  | Alberta Creek | 634902 | 6987898 | 8016 | 0.4      | 11.2     | 11.8     | 102      | 0.05     | 15.5     | 15.3     | 958      | 4.2         | 5        | 0.4     | 1.4      | 2.3      | 52       | 0.049    |
| 11JM0581  | Skookum Main  | 624950 | 6989450 | 6989 | 1.3      | 59.9     | 12.5     | 84       | 0.20     | 26.1     | 16.7     | 434      | 4.51        | 5.3      | 0.8     | 10.4     | 5.9      | 30       | 0.3      |
| 11JM0580  | Skookum Main  | 624949 | 6989424 | 6988 | 2.1      | 119.2    | 32.6     | 227      | 0.40     | 17.5     | 19.1     | 696      | 6.35        | 7.4      | 2.2     | 31.5     | 9.6      | 22       | 0.9      |
| 11JM0579  | Skookum Main  | 624950 | 6989401 | 6987 | 1.7      | 28.9     | 16.3     | 148      | 0.20     | 18.1     | 11.9     | 566      | 3.82        | 6.7      | 1.1     | 9.9      | 5.5      | 24       | 0.2      |
| 11JM0578  | Skookum Main  | 624949 | 6989377 | 6986 | 1.4      | 30.7     | 17.4     | 75       | 0.05     | 36.0     | 11.6     | 548      | 3.09        | 8        | 0.9     | 8        | 4.7      | 25       | 0.1      |
| 11JM0577  | Skookum Main  | 624950 | 6989350 | 6985 | 0.8      | 25.9     | 10.7     | 65       | 0.10     | 25.5     | 11.3     | 502      | 2.91        | 7.2      | 0.7     | 2.9      | 3.3      | 28       | 0.1      |
| 11JM0576  | Skookum Main  | 624949 | 6989301 | 6984 | 1.6      | 17.3     | 11.2     | 219      | 0.05     | 10.6     | 13.8     | 752      | 4.55        | 2.1      | 0.4     | 0.249    | 2.7      | 25       | 0.2      |
| 11JM0575  | Skookum Main  | 624949 | 6989275 | 6983 | 1.0      | 26.9     | 12.1     | 112      | 0.05     | 21.3     | 13.3     | 432      | 3.12        | 6.9      | 0.6     | 1.4      | 3.7      | 21       | 0.2      |
| 11JM0574  | Skookum Main  | 624947 | 6989250 | 6982 | 1.9      | 30.0     | 39.2     | 266      | 0.10     | 24.3     | 15.6     | 836      | 3.9         | 4.4      | 0.4     | 0.249    | 2.8      | 27       | 0.5      |
| 11JM0573  | Skookum Main  | 624949 | 6989226 | 6981 | 1.1      | 26.0     | 36.7     | 112      | 0.10     | 20.5     | 11.9     | 483      | 3.56        | 8        | 0.5     | 1.5      | 2.9      | 26       | 0.3      |
| 11JM0572  | Skookum Main  | 624950 | 6989201 | 6980 | 0.7      | 20.7     | 11.8     | 111      | 0.05     | 10.2     | 17.5     | 570      | 5.13        | 4.1      | 0.3     | 0.249    | 1.9      | 19       | 0.2      |
| 11JM0571  | Skookum Main  | 624950 | 6989174 | 6979 | 0.8      | 26.4     | 12.7     | 94       | 0.05     | 12.8     | 16.9     | 511      | 4.67        | 5.4      | 0.3     | 0.6      | 1.6      | 28       | 0.1      |
| 11JM0570  | Skookum Main  | 624949 | 6989151 | 6978 | 0.6      | 36.3     | 10.7     | 100      | 0.05     | 10.9     | 17       | 552      | 4.79        | 4.2      | 0.3     | 2.4      | 1.4      | 19       | 0.049    |
| 11JM0569  | Skookum Main  | 624949 | 6989124 | 6977 | 0.5      | 30.9     | 7.8      | 105      | 0.10     | 8.5      | 22.7     | 583      | 5.3         | 2.3      | 0.2     | 0.249    | 0.9      | 50       | 0.049    |
| 11JM0568  | Skookum Main  | 624950 | 6989100 | 6976 | 0.6      | 24.4     | 9.2      | 84       | 0.05     | 10.7     | 17       | 453      | 4.13        | 3.6      | 0.3     | 0.249    | 1.1      | 32       | 0.049    |
| 11JM0567  | Skookum Main  | 624951 | 6989075 | 6975 | 0.2      | 23.6     | 3.3      | 97       | 0.05     | 18.7     | 16.4     | 530      | 4.3         | 1.5      | 0.3     | 1.7      | 2        | 18       | 0.049    |
| 11JM0565  | Skookum Main  | 624950 | 6989051 | 6973 | 0.2      | 67.7     | 3.6      | 94       | 0.05     | 29.5     | 18.9     | 432      | 4.28        | 1.2      | 0.3     | 0.8      | 0.8      | 39       | 0.049    |
| 11JM0564  | Skookum Main  | 624950 | 6989025 | 6972 | 0.3      | 38.5     | 7.3      | 59       | 0.05     | 18.9     | 14       | 336      | 2.93        | 3.1      | 0.3     | 1.4      | 1.4      | 26       | 0.049    |
| 11JM0563  | Skookum Main  | 624950 | 6989004 | 6971 | 0.4      | 33.7     | 10.4     | 100      | 0.05     | 14.5     | 11.3     | 396      | 3.03        | 1.5      | 0.4     | 1.8      | 1.5      | 27       | 0.049    |
| 11JM0562  | Skookum Main  | 625199 | 6989653 | 6970 | 3.0      | 38.0     | 38.4     | 70       | 0.40     | 22.0     | 10.8     | 529      | 3.06        | 7.4      | 1.7     | 84.6     | 7.4      | 29       | 0.2      |
| 11JM0561  | Skookum Main  | 625197 | 6989701 | 6969 | 1.6      | 29.8     | 23.7     | 77       | 0.10     | 37.8     | 12.2     | 398      | 3.55        | 6.9      | 0.9     | 164.3    | 8.2      | 21       | 0.049    |
| 11JM0560  | Skookum Main  | 625200 | 6989802 | 6968 | 8.3      | 70.6     | 22.8     | 105      | 0.20     | 12.5     | 8.4      | 413      | 3.47        | 3.3      | 1.7     | 14.5     | 9.8      | 40       | 0.1      |
| 11JM0559  | Skookum Main  | 625201 | 6989825 | 6967 | 7.0      | 28.3     | 14.4     | 68       | 0.05     | 11.2     | 6.8      | 338      | 2.51        | 4.3      | 0.8     | 161.9    | 7.6      | 41       | 0.1      |
| 11JM0558  | Skookum Main  | 625199 | 6989901 | 6966 | 16.8     | 23.8     | 19.5     | 49       | 0.10     | 19.0     | 7.6      | 267      | 2.89        | 8        | 0.7     | 53       | 6.9      | 17       | 0.049    |
| 11JM0557  | Skookum Main  | 625151 | 6989898 | 6965 | 7.0      | 40.2     | 14.9     | 77       | 0.05     | 15.4     | 7.6      | 383      | 2.94        | 4.3      | 1.3     | 13       | 8.6      | 25       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11JM0556  | Skookum Main | 625150 | 6989875 | 6964 | 6.7      | 48.5     | 17.8     | 88       | 0.10     | 13.7     | 7.5      | 353      | 3.49        | 7        | 1.1     | 23       | 6.6      | 27       | 0.1      |
| 11JM0555  | Skookum Main | 625151 | 6989824 | 6963 | 4.9      | 30.2     | 22.7     | 79       | 0.10     | 12.7     | 7.5      | 372      | 2.79        | 4.9      | 1       | 19.6     | 7.3      | 28       | 0.1      |
| 11JM0554  | Skookum Main | 625151 | 6989474 | 6962 | 3.6      | 21.4     | 13.7     | 56       | 0.10     | 18.7     | 8.3      | 287      | 3.15        | 9.4      | 0.8     | 66.7     | 5.8      | 23       | 0.1      |
| 11JM0553  | Skookum Main | 625150 | 6989451 | 6961 | 4.1      | 27.4     | 18.0     | 61       | 0.20     | 22.7     | 8.6      | 348      | 3.31        | 10.1     | 1       | 42.5     | 8        | 29       | 0.049    |
| 11JM0552  | Skookum Main | 625150 | 6989424 | 6960 | 3.5      | 22.6     | 16.8     | 60       | 0.05     | 11.8     | 7.4      | 354      | 2.85        | 5        | 0.8     | 32.9     | 7.8      | 30       | 0.049    |
| 11JM0551  | Skookum Main | 625150 | 6989400 | 6959 | 2.6      | 29.3     | 19.4     | 65       | 0.20     | 20.5     | 9.5      | 286      | 3.3         | 9.1      | 0.6     | 24       | 4.2      | 28       | 0.1      |
| 11JM0550  | Skookum Main | 625149 | 6989374 | 6958 | 1.7      | 27.8     | 27.4     | 69       | 0.20     | 14.4     | 7.8      | 269      | 3.23        | 5.6      | 0.6     | 6        | 6.1      | 33       | 0.049    |
| 11JM0549  | Skookum Main | 625151 | 6989325 | 6957 | 3.9      | 77.6     | 33.7     | 73       | 0.30     | 8.0      | 5.3      | 441      | 2.72        | 3.9      | 1.2     | 23.1     | 11.1     | 22       | 0.049    |
| 11JM0548  | Skookum Main | 625152 | 6989297 | 6956 | 2.2      | 63.3     | 14.7     | 113      | 0.05     | 4.0      | 8.3      | 732      | 4.52        | 4.8      | 0.8     | 0.249    | 8.9      | 13       | 0.3      |
| 11JM0547  | Skookum Main | 625148 | 6989275 | 6955 | 5.0      | 340.9    | 84.3     | 245      | 0.30     | 13.0     | 17.9     | 889      | 4.71        | 3.8      | 2.1     | 6.7      | 8.8      | 31       | 0.2      |
| 11JM0546  | Skookum Main | 625148 | 6989224 | 6954 | 2.2      | 70.2     | 42.0     | 365      | 0.80     | 11.9     | 15.4     | 857      | 5.05        | 6.4      | 1.1     | 7.2      | 4.9      | 74       | 0.8      |
| 11JM0544  | Skookum Main | 625149 | 6989174 | 6952 | 1.5      | 35.0     | 19.6     | 141      | 0.90     | 13.7     | 10.7     | 498      | 3.32        | 6        | 0.7     | 7.6      | 3.5      | 35       | 0.4      |
| 11JM0543  | Skookum Main | 625151 | 6989150 | 6951 | 0.8      | 38.0     | 26.8     | 205      | 0.50     | 10.0     | 13.8     | 689      | 4.03        | 2.8      | 0.4     | 4.7      | 2.3      | 29       | 0.3      |
| 11JM0542  | Skookum Main | 625149 | 6989124 | 6950 | 1.2      | 37.0     | 28.4     | 142      | 0.60     | 21.5     | 12.3     | 604      | 3.27        | 4.9      | 0.8     | 6.4      | 3.4      | 32       | 0.4      |
| 11JM0541  | Skookum Main | 625150 | 6989099 | 6949 | 0.8      | 25.4     | 11.3     | 104      | 0.20     | 9.9      | 12.7     | 483      | 3.97        | 2.5      | 0.6     | 4.7      | 4.3      | 17       | 0.2      |
| 11JM0540  | Skookum Main | 625150 | 6989073 | 6948 | 0.8      | 29.2     | 14.3     | 109      | 0.20     | 11.2     | 12.6     | 444      | 3.71        | 4        | 0.6     | 2.6      | 3.1      | 22       | 0.2      |
| 11JM0539  | Skookum Main | 625249 | 6989601 | 7200 | 4.7      | 36.3     | 16.9     | 105      | 0.20     | 14.7     | 7.3      | 320      | 4.02        | 10.3     | 0.6     | 49.3     | 3.6      | 18       | 0.3      |
| 11JM0538  | Skookum Main | 625250 | 6989676 | 7199 | 3.5      | 16.0     | 12.5     | 54       | 0.20     | 15.2     | 6.5      | 218      | 2.99        | 14.4     | 0.6     | 9.6      | 4.1      | 18       | 0.049    |
| 11JM0537  | Skookum Main | 625349 | 6989901 | 7198 | 4.2      | 18.3     | 11.8     | 73       | 0.05     | 14.2     | 7.7      | 347      | 3.05        | 9.1      | 0.5     | 23.2     | 4.4      | 17       | 0.2      |
| 11JM0536  | Skookum Main | 625351 | 6989825 | 7197 | 2.1      | 23.3     | 11.4     | 76       | 0.05     | 15.8     | 9.1      | 345      | 3.29        | 8.8      | 0.7     | 7.6      | 6.1      | 15       | 0.2      |
| 11JM0535  | Skookum Main | 625348 | 6989750 | 7196 | 2.1      | 13.0     | 10.9     | 60       | 0.10     | 19.2     | 7.1      | 307      | 2.89        | 4.1      | 0.9     | 3.6      | 3.9      | 22       | 0.2      |
| 11JM0534  | Skookum Main | 625351 | 6989725 | 7195 | 0.8      | 61.6     | 11.7     | 77       | 0.05     | 189.7    | 28.7     | 762      | 4.56        | 2.6      | 1.6     | 5.3      | 9.6      | 211      | 0.049    |
| 11JM0533  | Skookum Main | 625352 | 6989675 | 7194 | 2.0      | 26.0     | 16.8     | 71       | 0.10     | 22.0     | 12.2     | 496      | 3.62        | 4.4      | 0.8     | 6.9      | 3.9      | 37       | 0.049    |
| 11JM0532  | Skookum Main | 625351 | 6989650 | 7193 | 7.5      | 116.4    | 39.8     | 177      | 0.60     | 12.9     | 7.3      | 493      | 3.41        | 13.4     | 3       | 60       | 9.6      | 38       | 0.5      |
| 11JM0531  | Skookum Main | 625351 | 6989625 | 7192 | 6.2      | 66.6     | 19.6     | 153      | 0.30     | 15.6     | 7.8      | 542      | 3.43        | 7.6      | 2.1     | 49.6     | 6        | 26       | 0.6      |
| 11JM0530  | Skookum Main | 625350 | 6989575 | 7191 | 26.9     | 48.7     | 26.4     | 122      | 0.20     | 10.0     | 7.2      | 353      | 3.41        | 6.2      | 0.8     | 396.6    | 7.5      | 13       | 0.4      |
| 11JM0529  | Skookum Main | 625349 | 6989526 | 7190 | 2.6      | 28.9     | 13.0     | 75       | 0.20     | 25.9     | 11.2     | 343      | 3.2         | 9.7      | 0.7     | 5.9      | 7        | 23       | 0.2      |
| 11JM0528  | Skookum Main | 625350 | 6989474 | 7189 | 2.1      | 8.3      | 7.3      | 38       | 0.10     | 2.9      | 1.8      | 187      | 1.68        | 2.3      | 0.6     | 0.249    | 8.1      | 220      | 0.2      |
| 11JM0527  | Skookum Main | 625349 | 6989426 | 7188 | 2.3      | 5.0      | 10.2     | 49       | 0.05     | 2.6      | 2.1      | 110      | 1.54        | 3.4      | 0.5     | 32.3     | 9.5      | 197      | 0.049    |
| 11JM0526  | Skookum Main | 625349 | 6989375 | 7187 | 1.4      | 20.3     | 10.1     | 58       | 0.05     | 19.3     | 7.6      | 340      | 2.43        | 6        | 1       | 10.1     | 9.8      | 31       | 0.049    |
| 11JM0525  | Skookum Main | 625350 | 6989325 | 7186 | 1.4      | 20.6     | 10.1     | 60       | 0.05     | 23.5     | 8.9      | 320      | 2.93        | 8.1      | 0.7     | 18       | 7.7      | 28       | 0.2      |
| 11JM0523  | Skookum Main | 625350 | 6989274 | 7184 | 1.9      | 22.6     | 9.6      | 69       | 0.05     | 26.8     | 9.4      | 322      | 2.95        | 5.8      | 0.8     | 28.8     | 9.4      | 28       | 0.1      |
| 11JM0522  | Skookum Main | 625351 | 6989226 | 7183 | 1.0      | 22.8     | 10.6     | 57       | 0.10     | 23.1     | 10.4     | 308      | 3.07        | 10.9     | 0.6     | 4.3      | 5.3      | 19       | 0.049    |
| 11JM0521  | Skookum Main | 625349 | 6989174 | 7182 | 0.5      | 33.2     | 11.4     | 149      | 0.05     | 5.3      | 7.9      | 613      | 3.76        | 1.7      | 0.9     | 1.3      | 10.1     | 10       | 0.1      |
| 11JM0520  | Skookum Main | 625350 | 6989151 | 7181 | 0.5      | 35.5     | 42.4     | 197      | 0.05     | 22.3     | 19       | 974      | 4.45        | 2.3      | 0.9     | 3.8      | 4.9      | 37       | 0.3      |
| 11JM0519  | Skookum Main | 625349 | 6989125 | 7180 | 1.7      | 63.7     | 28.6     | 127      | 0.05     | 7.4      | 8.7      | 580      | 3.5         | 5        | 0.9     | 0.249    | 8.3      | 17       | 0.2      |
| 11JM0518  | Skookum Main | 625350 | 6989100 | 7179 | 1.2      | 36.1     | 17.9     | 94       | 0.05     | 22.2     | 11.4     | 463      | 3.29        | 7.3      | 1       | 6.8      | 6.1      | 26       | 0.049    |
| 11JM0517  | Skookum Main | 625351 | 6989078 | 7178 | 1.9      | 106.1    | 29.4     | 141      | 0.20     | 14.9     | 13.4     | 704      | 4.33        | 4.4      | 0.8     | 1.6      | 4.5      | 31       | 0.2      |
| 11JM0516  | Skookum Main | 625552 | 6989774 | 7177 | 2.0      | 57.3     | 18.1     | 113      | 0.10     | 30.8     | 14.4     | 548      | 4.06        | 6        | 0.6     | 19.1     | 4.9      | 21       | 0.3      |
| 11JM0515  | Skookum Main | 625547 | 6989726 | 7176 | 3.8      | 69.6     | 16.1     | 95       | 0.05     | 15.9     | 11.8     | 574      | 3.72        | 5.4      | 0.9     | 127      | 5.7      | 32       | 0.1      |
| 11JM0514  | Skookum Main | 625549 | 6989676 | 7175 | 3.4      | 71.1     | 11.6     | 81       | 0.10     | 14.7     | 8.2      | 343      | 3.3         | 7.1      | 0.8     | 19.6     | 8        | 22       | 0.3      |
| 11JM0513  | Skookum Main | 625549 | 6989625 | 7174 | 3.3      | 90.2     | 13.8     | 93       | 0.40     | 16.0     | 9.1      | 280      | 3.87        | 6        | 0.7     | 35.2     | 5.6      | 20       | 0.1      |
| 11JM0512  | Skookum Main | 625549 | 6989576 | 7173 | 4.7      | 136.9    | 13.4     | 92       | 0.60     | 12.7     | 7.7      | 313      | 3.74        | 5.8      | 0.9     | 64.3     | 5.5      | 22       | 0.3      |
| 11JM0511  | Skookum Main | 625550 | 6989525 | 7172 | 2.3      | 28.8     | 10.2     | 84       | 0.40     | 8.1      | 7.3      | 883      | 4           | 4.8      | 0.6     | 1        | 3.7      | 15       | 0.3      |
| 11JM0510  | Skookum Main | 625550 | 6989474 | 7171 | 1.5      | 73.8     | 7.1      | 64       | 0.05     | 15.2     | 6.6      | 301      | 2.84        | 5.9      | 1       | 34.4     | 6.5      | 18       | 0.049    |
| 11JM0509  | Skookum Main | 625552 | 6989425 | 7170 | 1.3      | 103.5    | 7.2      | 85       | 0.05     | 10.8     | 10.8     | 453      | 3.73        | 2.1      | 0.6     | 4.2      | 5.5      | 18       | 0.049    |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11JM0508  | Skookum Main | 625549 | 6989375 | 7169 | 1.9      | 161.7    | 7.9      | 74       | 0.05     | 6.5      | 5.8      | 261      | 3.38        | 1.6      | 0.7     | 1.6      | 10.7     | 16       | 0.049    |
| 11JM0507  | Skookum Main | 625550 | 6989352 | 7168 | 0.9      | 98.7     | 10.0     | 83       | 0.05     | 6.6      | 6.8      | 291      | 2.77        | 2.7      | 0.7     | 4.3      | 9.7      | 13       | 0.2      |
| 11JM0505  | Skookum Main | 625550 | 6989324 | 7166 | 1.5      | 166.7    | 8.5      | 129      | 0.05     | 8.2      | 9.5      | 397      | 3.5         | 2.1      | 0.8     | 16.3     | 6.8      | 25       | 0.2      |
| 11JM0504  | Skookum Main | 625550 | 6989275 | 7165 | 0.9      | 202.2    | 7.4      | 111      | 0.20     | 5.9      | 8.1      | 464      | 3.46        | 0.9      | 1       | 4.1      | 5.8      | 17       | 0.049    |
| 11JM0503  | Skookum Main | 625550 | 6989225 | 7164 | 1.8      | 172.9    | 9.5      | 77       | 0.05     | 6.3      | 4.9      | 251      | 2.73        | 20       | 1       | 1.1      | 8.2      | 25       | 0.1      |
| 11JM0502  | Skookum Main | 625549 | 6989174 | 7163 | 1.7      | 81.2     | 9.4      | 60       | 0.30     | 10.9     | 6.8      | 439      | 2.69        | 4.6      | 0.9     | 9.9      | 4.2      | 22       | 0.2      |
| 11JM0501  | Skookum Main | 625551 | 6989079 | 7162 | 3.1      | 51.4     | 12.0     | 86       | 0.10     | 8.4      | 7.1      | 517      | 2.97        | 4.1      | 1.6     | 8.9      | 8.2      | 20       | 0.2      |
| 11JM0500  | Skookum Main | 625511 | 6989077 | 7161 | 3.2      | 56.3     | 18.9     | 128      | 0.05     | 12.2     | 10       | 514      | 3.77        | 3.5      | 1.3     | 6        | 8        | 19       | 0.3      |
| 11JM0499  | Skookum Main | 625500 | 6989125 | 7160 | 3.4      | 44.8     | 13.5     | 79       | 0.30     | 12.8     | 5.8      | 317      | 2.5         | 5.4      | 0.9     | 39.5     | 5.4      | 22       | 0.3      |
| 11JM0498  | Skookum Main | 625500 | 6989175 | 7159 | 5.0      | 70.0     | 17.3     | 94       | 0.30     | 12.8     | 6.1      | 410      | 2.5         | 5.1      | 1.2     | 74.9     | 6.1      | 31       | 0.3      |
| 11JM0497  | Skookum Main | 625501 | 6989226 | 7158 | 4.5      | 63.2     | 16.7     | 76       | 0.10     | 12.4     | 5.6      | 296      | 2.35        | 6.4      | 0.8     | 36.3     | 5.5      | 31       | 0.2      |
| 11JM0496  | Skookum Main | 625500 | 6989275 | 7157 | 8.5      | 89.1     | 20.6     | 120      | 0.20     | 14.9     | 6.5      | 404      | 2.55        | 6.5      | 0.8     | 117.5    | 5.6      | 20       | 0.4      |
| 11JM0495  | Skookum Main | 625500 | 6989324 | 7156 | 3.4      | 48.4     | 17.4     | 71       | 0.30     | 15.6     | 7.2      | 273      | 3.01        | 8.5      | 0.6     | 29.4     | 4.3      | 16       | 0.2      |
| 11JM0494  | Skookum Main | 625501 | 6989375 | 7155 | 3.3      | 57.4     | 24.5     | 58       | 0.20     | 25.1     | 8.4      | 352      | 2.57        | 7.4      | 0.7     | 77.7     | 4.9      | 21       | 0.1      |
| 11JM0493  | Skookum Main | 625500 | 6989425 | 7154 | 2.3      | 46.9     | 17.0     | 50       | 0.30     | 13.8     | 6        | 307      | 2.38        | 6.3      | 0.6     | 9.4      | 3.3      | 16       | 0.1      |
| 11JM0492  | Skookum Main | 625500 | 6989475 | 7153 | 2.9      | 86.2     | 17.5     | 71       | 0.30     | 11.2     | 6.8      | 562      | 2.69        | 4.1      | 1       | 33.1     | 4.7      | 24       | 0.2      |
| 11JM0485  | Skookum Main | 625650 | 6989874 | 7152 | 3.0      | 41.9     | 13.1     | 68       | 0.05     | 30.7     | 10.8     | 297      | 3.07        | 8.4      | 0.9     | 49.3     | 6.2      | 18       | 0.2      |
| 11JM0484  | Skookum Main | 625649 | 6989824 | 7151 | 3.6      | 36.7     | 11.3     | 60       | 0.05     | 18.1     | 8.3      | 287      | 2.97        | 8        | 0.6     | 58       | 4.7      | 18       | 0.2      |
| 11JM0483  | Skookum Main | 625648 | 6989776 | 7150 | 1.7      | 40.6     | 11.5     | 64       | 0.05     | 21.4     | 9.3      | 380      | 2.56        | 7.4      | 0.9     | 66.1     | 3.7      | 21       | 0.2      |
| 11JM0482  | Skookum Main | 625651 | 6989725 | 7149 | 2.7      | 73.3     | 11.2     | 58       | 0.05     | 7.7      | 5.4      | 350      | 2.43        | 5        | 0.8     | 12.2     | 6.1      | 19       | 0.2      |
| 11JM0481  | Skookum Main | 625649 | 6989674 | 7148 | 5.2      | 91.7     | 18.0     | 68       | 0.10     | 14.7     | 7.3      | 353      | 2.8         | 6.4      | 0.5     | 55.5     | 4.4      | 13       | 0.2      |
| 11JM0480  | Skookum Main | 625650 | 6989626 | 7147 | 7.8      | 179.5    | 83.0     | 111      | 0.50     | 11.0     | 5.4      | 248      | 3.33        | 6        | 0.8     | 102.2    | 6.7      | 10       | 0.2      |
| 11JM0479  | Skookum Main | 625650 | 6989574 | 7146 | 5.9      | 64.0     | 21.1     | 63       | 0.10     | 19.7     | 9.7      | 349      | 3.1         | 8.7      | 1.2     | 81.5     | 7.3      | 15       | 0.049    |
| 11JM0478  | Skookum Main | 625651 | 6989526 | 7145 | 3.7      | 51.8     | 12.8     | 60       | 0.10     | 24.8     | 9.3      | 374      | 2.81        | 9.2      | 1.1     | 61.5     | 5.6      | 26       | 0.049    |
| 11JM0477  | Skookum Main | 625649 | 6989475 | 7144 | 9.9      | 87.6     | 13.9     | 66       | 0.10     | 11.5     | 6.3      | 299      | 2.71        | 6        | 1       | 153.5    | 5.6      | 19       | 0.2      |
| 11JM0476  | Skookum Main | 625651 | 6989424 | 7143 | 2.6      | 78.1     | 7.7      | 178      | 0.20     | 9.3      | 7        | 328      | 3.49        | 4.8      | 0.6     | 13.7     | 5.2      | 20       | 0.3      |
| 11JM0475  | Skookum Main | 625651 | 6989375 | 7142 | 9.5      | 145.7    | 12.4     | 148      | 0.20     | 6.5      | 7.9      | 1025     | 2.79        | 4.1      | 0.8     | 0.249    | 10.5     | 17       | 0.3      |
| 11JM0474  | Skookum Main | 625650 | 6989324 | 7141 | 3.3      | 163.8    | 12.2     | 257      | 0.20     | 8.0      | 6.9      | 406      | 3.81        | 5.1      | 1.3     | 12.2     | 11.2     | 12       | 0.3      |
| 11JM0473  | Skookum Main | 625650 | 6989275 | 7140 | 1.7      | 194.8    | 10.2     | 151      | 0.05     | 6.5      | 14.4     | 733      | 4.58        | 3        | 1.3     | 3.7      | 6.8      | 21       | 0.2      |
| 11JM0472  | Skookum Main | 625649 | 6989224 | 7139 | 2.3      | 87.6     | 10.1     | 67       | 0.30     | 11.5     | 7.9      | 319      | 3.26        | 7.3      | 0.7     | 2.1      | 3.4      | 21       | 0.2      |
| 11JM0470  | Skookum Main | 625650 | 6989175 | 7137 | 2.6      | 44.9     | 7.4      | 110      | 0.05     | 4.4      | 9.9      | 654      | 4.15        | 2.1      | 1.3     | 2        | 9.5      | 17       | 0.4      |
| 11JM0469  | Skookum Main | 625648 | 6989126 | 7136 | 4.0      | 57.1     | 12.3     | 72       | 0.40     | 15.0     | 10.2     | 843      | 2.97        | 6.6      | 2.3     | 16.2     | 5.8      | 34       | 0.2      |
| 11JM0467  | Skookum Main | 625700 | 6989225 | 7135 | 2.2      | 136.8    | 12.5     | 145      | 0.10     | 11.8     | 12.4     | 593      | 5.22        | 14.7     | 1.2     | 6.4      | 7        | 28       | 0.3      |
| 11JM0466  | Skookum Main | 625698 | 6989275 | 7134 | 3.9      | 456.9    | 15.4     | 121      | 0.05     | 10.5     | 6.1      | 218      | 3.67        | 6.8      | 2       | 4.6      | 17.4     | 10       | 0.3      |
| 11JM0464  | Skookum Main | 625899 | 6989975 | 7133 | 2.7      | 30.2     | 10.8     | 54       | 0.05     | 49.5     | 13.3     | 452      | 2.96        | 7        | 1.2     | 11.5     | 7.6      | 34       | 0.049    |
| 11JM0463  | Skookum Main | 625900 | 6989924 | 7132 | 2.7      | 25.2     | 9.5      | 85       | 0.05     | 20.1     | 11.9     | 562      | 3.13        | 6.5      | 1.3     | 4.9      | 7.7      | 36       | 0.049    |
| 11JM0462  | Skookum Main | 625900 | 6989774 | 7131 | 3.1      | 31.0     | 9.4      | 55       | 0.05     | 24.7     | 10.6     | 412      | 3.04        | 8.5      | 1.1     | 224.5    | 5.9      | 27       | 0.049    |
| 11JM0461  | Skookum Main | 625901 | 6989724 | 7130 | 2.0      | 27.5     | 9.8      | 52       | 0.05     | 22.5     | 9.1      | 351      | 2.81        | 9        | 0.8     | 79.7     | 5        | 22       | 0.049    |
| 11JM0460  | Skookum Main | 625899 | 6989675 | 7129 | 4.0      | 30.8     | 8.9      | 48       | 0.05     | 13.5     | 10.4     | 432      | 2.59        | 5        | 1       | 121.7    | 8        | 13       | 0.049    |
| 11JM0458  | Skookum Main | 625999 | 6989225 | 7970 | 0.7      | 28.6     | 8.4      | 54       | 0.20     | 38.6     | 12.1     | 402      | 3.06        | 6.5      | 0.8     | 7.5      | 6.5      | 27       | 0.049    |
| 11JM0457  | Skookum Main | 626001 | 6989275 | 7969 | 2.1      | 54.4     | 21.6     | 59       | 0.05     | 16.9     | 8.6      | 276      | 2.84        | 6.7      | 1.1     | 36.4     | 9.2      | 19       | 0.049    |
| 11JM0456  | Skookum Main | 625998 | 6989325 | 7968 | 2.2      | 147.3    | 13.5     | 107      | 0.05     | 13.7     | 14.6     | 411      | 5.36        | 4.7      | 1.6     | 3.1      | 10.4     | 23       | 0.2      |
| 11JM0455  | Skookum Main | 626001 | 6989375 | 7967 | 0.6      | 9.1      | 6.6      | 39       | 0.05     | 6.8      | 6.2      | 431      | 2.6         | 2.3      | 0.6     | 0.249    | 16.4     | 27       | 0.049    |
| 11JM0454  | Skookum Main | 626000 | 6989427 | 7966 | 0.5      | 16.7     | 8.8      | 46       | 0.05     | 23.8     | 9.1      | 402      | 2.55        | 6.2      | 0.9     | 2.5      | 12.1     | 24       | 0.049    |
| 11JM0453  | Skookum Main | 626001 | 6989473 | 7965 | 1.0      | 11.8     | 9.3      | 44       | 0.05     | 10.5     | 8.8      | 614      | 2.77        | 6.3      | 0.7     | 3.5      | 10.3     | 18       | 0.1      |
| 11JM0452  | Skookum Main | 625996 | 6989524 | 7964 | 1.3      | 12.1     | 11.2     | 51       | 0.05     | 17.4     | 8.4      | 562      | 2.75        | 6.1      | 0.8     | 20.5     | 6        | 15       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11JM0451  | Skookum Main | 626001 | 6989550 | 7963 | 0.7      | 18.3     | 11.6     | 68       | 0.05     | 27.0     | 13.1     | 501      | 3.44        | 4.1      | 1       | 9.7      | 7.5      | 21       | 0.049    |
| 11JM0450  | Skookum Main | 626000 | 6989575 | 7962 | 0.6      | 40.2     | 25.5     | 66       | 0.05     | 47.6     | 15.6     | 686      | 2.9         | 4.3      | 2       | 3.2      | 14.1     | 73       | 0.049    |
| 11JM0449  | Skookum Main | 626000 | 6989625 | 7961 | 0.6      | 22.6     | 7.4      | 47       | 0.05     | 25.6     | 8        | 360      | 2.39        | 5.9      | 1       | 8.9      | 8.1      | 35       | 0.049    |
| 11JM0448  | Skookum Main | 626000 | 6989677 | 7960 | 0.6      | 17.5     | 8.2      | 39       | 0.05     | 20.2     | 7.7      | 235      | 2.38        | 8.8      | 0.8     | 3.7      | 6.5      | 18       | 0.049    |
| 11JM0447  | Skookum Main | 625999 | 6989704 | 7959 | 1.0      | 17.8     | 10.3     | 43       | 0.05     | 19.8     | 9.3      | 313      | 2.76        | 9        | 0.8     | 14       | 6.7      | 17       | 0.049    |
| 11JM0446  | Skookum Main | 626002 | 6989726 | 7958 | 2.8      | 14.7     | 16.5     | 50       | 0.05     | 20.5     | 8.7      | 277      | 3.12        | 10.5     | 0.6     | 19       | 4.6      | 16       | 0.2      |
| 11JM0445  | Skookum Main | 626001 | 6989773 | 7957 | 1.4      | 23.9     | 8.6      | 42       | 0.05     | 15.0     | 7.7      | 298      | 2.9         | 7.7      | 0.7     | 4.5      | 3.7      | 16       | 0.049    |
| 11JM0444  | Skookum Main | 625998 | 6989825 | 7956 | 3.9      | 15.2     | 9.2      | 41       | 0.05     | 13.5     | 7.6      | 358      | 2.43        | 6.2      | 0.8     | 115.8    | 5.4      | 19       | 0.049    |
| 11JM0443  | Skookum Main | 626000 | 6989875 | 7955 | 5.4      | 24.2     | 8.0      | 47       | 0.05     | 17.9     | 8.8      | 411      | 2.57        | 6.4      | 0.8     | 37.3     | 5        | 29       | 0.1      |
| 11JM0442  | Skookum Main | 625998 | 6989924 | 7954 | 2.6      | 26.8     | 10.1     | 48       | 0.10     | 20.5     | 8.1      | 294      | 2.78        | 8        | 1.2     | 20.7     | 6.9      | 27       | 0.049    |
| 11JM0441  | Skookum Main | 626000 | 6989975 | 7953 | 7.0      | 55.8     | 9.9      | 63       | 0.05     | 21.5     | 11.5     | 480      | 2.98        | 64.4     | 1.7     | 9.7      | 10.9     | 22       | 0.2      |
| 11JM0440  | Skookum Main | 626000 | 6990025 | 7952 | 5.7      | 36.6     | 8.2      | 69       | 0.30     | 44.2     | 14.6     | 556      | 2.99        | 6.6      | 2.4     | 6.7      | 7.3      | 67       | 0.2      |
| 11JM0270  | Gertie       | 622639 | 6988112 | 6486 | 0.8      | 14.1     | 8.0      | 54       | 0.05     | 9.4      | 6.5      | 234      | 2.31        | 6        | 1.6     | 0.249    | 9.7      | 14       | 0.049    |
| 11JM0269  | Gertie       | 622622 | 6988126 | 6485 | 0.8      | 14.7     | 9.6      | 93       | 0.05     | 8.0      | 8.9      | 311      | 2.08        | 6.1      | 1.6     | 0.5      | 15.9     | 26       | 0.049    |
| 11JM0268  | Gertie       | 622602 | 6988138 | 6484 | 1.8      | 15.2     | 108.2    | 79       | 0.30     | 9.5      | 6.4      | 274      | 2.58        | 16.2     | 2.3     | 1.9      | 8.9      | 27       | 0.1      |
| 11JM0267  | Gertie       | 622581 | 6988156 | 6483 | 1.3      | 18.0     | 28.6     | 121      | 0.20     | 10.4     | 8.7      | 444      | 2.3         | 5.5      | 2.4     | 0.7      | 7.8      | 24       | 0.2      |
| 11JM0266  | Gertie       | 622556 | 6988169 | 6482 | 1.6      | 12.6     | 27.2     | 154      | 0.10     | 6.6      | 9.9      | 438      | 2.72        | 8.7      | 2.5     | 1.9      | 15.1     | 22       | 0.2      |
| 11JM0265  | Gertie       | 622536 | 6988185 | 6481 | 2.1      | 14.1     | 102.4    | 128      | 0.40     | 7.1      | 5        | 199      | 2.54        | 17.9     | 3.1     | 4.2      | 13.7     | 24       | 0.3      |
| 11JM0264  | Gertie       | 622517 | 6988202 | 6480 | 1.9      | 16.5     | 128.4    | 146      | 0.40     | 7.3      | 4.3      | 144      | 2.45        | 15.4     | 3.5     | 6.9      | 15.1     | 21       | 0.1      |
| 11JM0263  | Gertie       | 622493 | 6988209 | 6479 | 1.3      | 21.4     | 47.2     | 394      | 0.10     | 28.6     | 9.4      | 611      | 2.62        | 11.1     | 4.3     | 7.2      | 16.5     | 37       | 0.4      |
| 11JM0262  | Gertie       | 622474 | 6988221 | 6478 | 0.6      | 22.0     | 9.1      | 85       | 0.05     | 16.6     | 8.5      | 290      | 2.53        | 5.1      | 1.4     | 1.1      | 20.2     | 16       | 0.1      |
| 11JM0261  | Gertie       | 622446 | 6988228 | 6477 | 0.9      | 18.5     | 9.0      | 69       | 0.05     | 10.1     | 10.1     | 298      | 2.94        | 6.3      | 1.8     | 0.249    | 24       | 14       | 0.049    |
| 11JM0260  | Gertie       | 622421 | 6988241 | 6476 | 0.6      | 20.6     | 9.6      | 85       | 0.05     | 16.1     | 8.5      | 319      | 2.57        | 5        | 1.5     | 0.249    | 19.7     | 15       | 0.1      |
| 11JM0259  | Gertie       | 622484 | 6988161 | 6475 | 0.7      | 14.2     | 12.5     | 79       | 0.05     | 15.3     | 9.5      | 485      | 3.05        | 5.6      | 2.6     | 0.249    | 23.1     | 13       | 0.2      |
| 11JM0258  | Gertie       | 622494 | 6988176 | 6474 | 0.9      | 28.2     | 16.9     | 109      | 0.05     | 12.1     | 9.6      | 441      | 3.24        | 4.6      | 4.3     | 2.9      | 37.8     | 13       | 0.1      |
| 11JM0257  | Gertie       | 622511 | 6988195 | 6473 | 1.3      | 16.2     | 118.4    | 190      | 0.30     | 15.7     | 6.8      | 317      | 2.51        | 14.7     | 2.5     | 6.1      | 12.3     | 31       | 0.2      |
| 11JM0256  | Gertie       | 622533 | 6988216 | 6472 | 1.2      | 13.0     | 14.3     | 176      | 0.05     | 5.2      | 7.8      | 380      | 2.29        | 5.2      | 2.5     | 3.9      | 15.7     | 12       | 0.3      |
| 11JM0255  | Gertie       | 622548 | 6988237 | 6471 | 1.0      | 13.8     | 15.7     | 147      | 0.05     | 3.6      | 5.1      | 280      | 2.74        | 14.3     | 3.8     | 4.4      | 18.2     | 12       | 0.1      |
| 11JM0254  | Gertie       | 622579 | 6988267 | 6470 | 0.6      | 8.5      | 9.4      | 215      | 0.05     | 8.1      | 7.6      | 170      | 2.22        | 5.2      | 0.7     | 0.249    | 2.3      | 23       | 0.049    |
| 11JM0253  | Gertie       | 622600 | 6988288 | 6469 | 0.4      | 9.8      | 6.8      | 206      | 0.05     | 5.7      | 7.2      | 223      | 2.37        | 3.6      | 1.2     | 1.4      | 3.8      | 28       | 0.049    |
| 11JM0252  | Gertie       | 622619 | 6988305 | 6468 | 2.1      | 22.6     | 64.1     | 286      | 0.20     | 6.9      | 6.1      | 363      | 3.12        | 9.8      | 4.5     | 0.7      | 16.4     | 25       | 0.3      |
| 11JM0251  | Gertie       | 622633 | 6988326 | 6467 | 1.6      | 11.0     | 35.4     | 62       | 0.10     | 2.9      | 4.8      | 272      | 2.34        | 8.5      | 3.1     | 0.7      | 14.8     | 30       | 0.049    |
| 11JM0250  | Gertie       | 622681 | 6988380 | 6466 | 1.0      | 11.6     | 66.2     | 99       | 0.30     | 3.5      | 6.2      | 290      | 2.66        | 5.2      | 2.3     | 1.1      | 10.3     | 24       | 0.049    |
| 11JM0249  | Gertie       | 622696 | 6988399 | 6465 | 0.6      | 9.8      | 22.7     | 139      | 0.20     | 3.1      | 8.9      | 606      | 3.53        | 1.9      | 1.6     | 0.6      | 7.3      | 33       | 0.049    |
| 11JM0248  | Gertie       | 622718 | 6988415 | 6464 | 2.9      | 16.3     | 889.4    | 104      | 1.50     | 3.6      | 6.6      | 340      | 2.76        | 42.2     | 2.1     | 12.6     | 19.5     | 19       | 0.4      |
| 11JM0247  | Gertie       | 622736 | 6988433 | 6463 | 1.6      | 12.8     | 320.7    | 124      | 0.20     | 6.0      | 9.7      | 670      | 2.75        | 27.6     | 1.9     | 4.6      | 9.5      | 15       | 0.3      |
| 11JM0246  | Gertie       | 622753 | 6988468 | 6462 | 2.3      | 15.9     | 52.4     | 45       | 0.20     | 5.4      | 4.2      | 128      | 3.2         | 25.4     | 1.3     | 1.1      | 13.7     | 52       | 0.049    |
| 11JM0245  | Gertie       | 623023 | 6988017 | 6461 | 2.7      | 24.8     | 182.8    | 184      | 1.20     | 11.2     | 4.6      | 128      | 3.86        | 47.9     | 4.1     | 44.6     | 15.7     | 68       | 0.2      |
| 11JM0244  | Gertie       | 623002 | 6988032 | 6460 | 4.4      | 29.2     | 246.5    | 187      | 1.30     | 4.5      | 2.5      | 122      | 3.27        | 44.5     | 3.3     | 60.5     | 17.5     | 54       | 0.1      |
| 11JM0243  | Gertie       | 622986 | 6988050 | 6459 | 3.3      | 19.6     | 256.3    | 113      | 0.80     | 7.6      | 3.1      | 142      | 3.15        | 43.2     | 2.2     | 6.1      | 13.5     | 43       | 0.049    |
| 11JM0242  | Gertie       | 622967 | 6988073 | 6458 | 1.4      | 27.5     | 125.4    | 157      | 1.10     | 10.4     | 3.2      | 217      | 4.38        | 31.2     | 5.1     | 12.6     | 14.2     | 104      | 0.1      |
| 11JM0241  | Gertie       | 622946 | 6988085 | 6457 | 1.5      | 31.4     | 230.7    | 189      | 1.20     | 5.7      | 3        | 213      | 4.67        | 44.5     | 5.6     | 7.5      | 14.1     | 113      | 0.2      |
| 11JM0240  | Gertie       | 622922 | 6988093 | 6456 | 2.8      | 19.9     | 201.0    | 138      | 0.70     | 11.1     | 4.9      | 278      | 2.8         | 30.8     | 2.8     | 8        | 16       | 37       | 0.049    |
| 11JM0239  | Gertie       | 622905 | 6988100 | 6455 | 4.4      | 16.0     | 576.4    | 158      | 1.00     | 1.7      | 1.5      | 51       | 4           | 87       | 4.6     | 11.1     | 24.2     | 67       | 0.2      |
| 11JM0238  | Gertie       | 622893 | 6988124 | 6454 | 6.5      | 14.4     | 86.0     | 75       | 0.40     | 4.7      | 2.7      | 148      | 2.55        | 58.6     | 1.6     | 8        | 15.9     | 62       | 0.049    |
| 11JM0237  | Gertie       | 622872 | 6988138 | 6453 | 8.3      | 12.1     | 435.5    | 161      | 0.30     | 3.0      | 5.5      | 107      | 6.55        | 45.1     | 3.5     | 2.8      | 29.7     | 123      | 0.049    |



| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11JM0236  | Gertie        | 622848 | 6988147 | 6452 | 3.1      | 3.8      | 240.4    | 97       | 0.50     | 0.9      | 0.4      | 28       | 6.76        | 63.4     | 0.5     | 4.3      | 12.5     | 33       | 0.049    |
| 11JM0235  | Gertie        | 622824 | 6988158 | 6451 | 3.7      | 27.9     | 211.1    | 373      | 0.50     | 2.5      | 3.5      | 141      | 5.25        | 92.3     | 3.3     | 13.6     | 25.6     | 74       | 0.1      |
| 11JM0234  | Gertie        | 622764 | 6988136 | 6450 | 1.0      | 15.2     | 16.1     | 267      | 0.05     | 7.5      | 12.4     | 809      | 3.72        | 13.6     | 2.5     | 0.249    | 7.8      | 26       | 0.4      |
| 11JM0233  | Gertie        | 622785 | 6988152 | 6449 | 2.7      | 17.9     | 274.6    | 122      | 0.90     | 6.5      | 6.1      | 265      | 3.13        | 42.7     | 1.9     | 6.1      | 12.7     | 36       | 0.3      |
| 11JM0232  | Gertie        | 622826 | 6988219 | 6448 | 2.7      | 23.1     | 103.7    | 119      | 0.30     | 8.6      | 3.9      | 177      | 3.94        | 22.3     | 2.9     | 2.2      | 15.6     | 48       | 0.1      |
| 11JM0231  | Gertie        | 622815 | 6988196 | 6447 | 3.1      | 18.4     | 150.9    | 154      | 0.30     | 6.1      | 5.2      | 210      | 3.64        | 25.6     | 3.7     | 5.8      | 23.3     | 47       | 0.1      |
| 11JM0230  | Gertie        | 622800 | 6988176 | 6446 | 4.2      | 34.4     | 334.7    | 140      | 0.80     | 4.5      | 3.7      | 156      | 4.29        | 81.2     | 3.3     | 14.6     | 23.7     | 64       | 0.049    |
| 11JM0229  | Gertie        | 622777 | 6988221 | 6445 | 2.5      | 37.1     | 374.3    | 201      | 0.90     | 7.2      | 5.3      | 186      | 4.75        | 65.3     | 4.8     | 23       | 28.5     | 61       | 0.2      |
| 11JM0228  | Gertie        | 622757 | 6988236 | 6444 | 5.9      | 21.8     | 878.1    | 195      | 1.20     | 6.9      | 5.2      | 250      | 4.85        | 75.2     | 4.8     | 12.4     | 27.1     | 74       | 0.2      |
| 11JM0227  | Gertie        | 622740 | 6988254 | 6443 | 4.0      | 13.9     | 855.1    | 248      | 2.90     | 3.9      | 3.2      | 175      | 4.43        | 92.1     | 2.7     | 15.9     | 25.5     | 60       | 0.049    |
| 11JM0226  | Gertie        | 622726 | 6988270 | 6442 | 3.7      | 32.6     | 772.3    | 148      | 1.50     | 5.2      | 3.8      | 297      | 4.71        | 114.1    | 4       | 14.9     | 26.8     | 68       | 0.3      |
| 11JM0225  | Gertie        | 622710 | 6988289 | 6441 | 4.0      | 30.7     | 505.2    | 224      | 1.10     | 8.8      | 4.6      | 225      | 5.08        | 66.6     | 5.6     | 13.3     | 24.8     | 71       | 0.2      |
| 11JM0224  | Gertie        | 622695 | 6988310 | 6440 | 5.0      | 30.6     | 342.0    | 182      | 0.90     | 12.1     | 7        | 303      | 4.63        | 72.1     | 3.8     | 11       | 19.7     | 44       | 0.2      |
| 11JM0223  | Gertie        | 622673 | 6988328 | 6439 | 2.0      | 21.2     | 31.5     | 109      | 0.20     | 14.2     | 11.7     | 410      | 3.02        | 4.8      | 4.4     | 4.9      | 11.3     | 46       | 0.049    |
| 11JM0222  | Gertie        | 622650 | 6988344 | 6438 | 1.6      | 11.5     | 20.8     | 62       | 0.10     | 2.3      | 5.1      | 264      | 2.82        | 5.1      | 2.3     | 0.249    | 13       | 39       | 0.049    |
| 11JM0221  | Gertie        | 622629 | 6988360 | 6437 | 1.2      | 11.1     | 21.4     | 55       | 0.05     | 3.3      | 4.3      | 238      | 2.15        | 2.8      | 1.7     | 0.6      | 9.6      | 36       | 0.049    |
| 11JM0220  | Gertie        | 622610 | 6988372 | 6436 | 1.2      | 13.2     | 32.5     | 78       | 0.05     | 3.2      | 5.8      | 367      | 2.21        | 5.9      | 2.1     | 0.9      | 15.1     | 15       | 0.049    |
| 11JM0219  | Gertie        | 622584 | 6988379 | 6435 | 4.0      | 23.4     | 58.6     | 155      | 0.10     | 2.5      | 2.2      | 148      | 3.23        | 7.7      | 3.5     | 1.7      | 21       | 32       | 0.1      |
| 11JM0218  | Gertie        | 622560 | 6988394 | 6434 | 3.3      | 26.7     | 82.8     | 234      | 0.20     | 9.9      | 11.6     | 624      | 4.08        | 14.7     | 3.9     | 4.6      | 22.9     | 33       | 0.2      |
| 11JM0217  | Gertie        | 622537 | 6988411 | 6433 | 3.2      | 17.8     | 127.7    | 311      | 0.30     | 5.5      | 10.9     | 516      | 4.13        | 24.3     | 3.1     | 3.1      | 20.2     | 20       | 0.3      |
| 11JM0215  | Gertie        | 623604 | 6987966 | 6432 | 2.9      | 22.1     | 183.9    | 142      | 1.20     | 9.8      | 5.7      | 249      | 3.87        | 24.8     | 3.9     | 5.2      | 13.8     | 64       | 0.2      |
| 11JM0214  | Gertie        | 623556 | 6988001 | 6431 | 3.8      | 20.7     | 213.0    | 99       | 1.30     | 4.7      | 2.2      | 98       | 4.85        | 56.2     | 5.2     | 8.7      | 17.9     | 162      | 0.3      |
| 11JM0213  | Gertie        | 623536 | 6988010 | 6430 | 1.9      | 38.3     | 271.8    | 259      | 2.10     | 14.3     | 5.5      | 301      | 4.28        | 21.3     | 4.9     | 7.7      | 13.8     | 75       | 0.3      |
| 11JM0212  | Gertie        | 623510 | 6988016 | 6429 | 2.6      | 23.2     | 118.6    | 176      | 0.60     | 10.1     | 4.3      | 221      | 4.45        | 15.4     | 4.3     | 8.6      | 26.2     | 108      | 0.2      |
| 11JM0211  | Gertie        | 623457 | 6987966 | 6428 | 1.7      | 15.6     | 37.9     | 154      | 0.05     | 10.3     | 8.4      | 389      | 2.71        | 7.7      | 3       | 0.249    | 10.6     | 26       | 0.2      |
| 11JM0210  | Gertie        | 623471 | 6987991 | 6427 | 1.6      | 23.8     | 89.7     | 141      | 0.90     | 8.7      | 6.1      | 245      | 3.64        | 37.1     | 4.4     | 13.6     | 15.8     | 59       | 0.049    |
| 11JM0209  | Gertie        | 623481 | 6988012 | 6426 | 3.4      | 21.1     | 367.1    | 130      | 1.90     | 8.5      | 4.3      | 173      | 3.7         | 48.3     | 2.4     | 100.1    | 19       | 34       | 0.1      |
| 11JM0208  | Gertie        | 623521 | 6988103 | 6425 | 1.1      | 29.1     | 11.5     | 90       | 0.10     | 10.4     | 14.4     | 869      | 3.41        | 8.6      | 1.3     | 4.6      | 12.8     | 17       | 0.049    |
| 11JM0207  | Gertie        | 623517 | 6988082 | 6424 | 2.7      | 17.1     | 19.9     | 60       | 0.10     | 10.4     | 9.1      | 757      | 3.16        | 5.4      | 2.1     | 9.1      | 11.3     | 22       | 0.049    |
| 11JM0206  | Gertie        | 623503 | 6988056 | 6423 | 3.7      | 24.0     | 40.0     | 79       | 0.20     | 13.2     | 8.5      | 427      | 3.59        | 9.2      | 3.3     | 0.249    | 19.5     | 43       | 0.049    |
| 11JM0205  | Gertie        | 623493 | 6988033 | 6422 | 4.6      | 11.8     | 83.0     | 84       | 0.50     | 6.5      | 3.9      | 193      | 4.21        | 47       | 2.5     | 4.8      | 12.6     | 77       | 0.1      |
| 11JM0204  | Gertie        | 623467 | 6988039 | 6421 | 2.5      | 37.5     | 97.5     | 171      | 0.40     | 15.9     | 6.1      | 421      | 4.63        | 12.3     | 5.7     | 4.6      | 26.1     | 102      | 0.2      |
| 11JM0203  | Gertie        | 623447 | 6988053 | 6420 | 1.7      | 15.5     | 115.0    | 117      | 0.40     | 8.7      | 7        | 411      | 4.21        | 15.4     | 2.7     | 1.6      | 21       | 31       | 0.049    |
| 11JM0202  | Gertie        | 623426 | 6988065 | 6419 | 1.2      | 14.4     | 11.0     | 65       | 0.05     | 12.6     | 8.3      | 471      | 3.29        | 5.3      | 1.3     | 2.7      | 10.5     | 15       | 0.049    |
| 11JM0200  | Gertie        | 623377 | 6988084 | 6418 | 0.6      | 21.7     | 9.1      | 101      | 0.05     | 12.7     | 11.4     | 615      | 3.35        | 4.7      | 2       | 2.1      | 15.1     | 16       | 0.049    |
| 11JM0199  | Gertie        | 623347 | 6988092 | 6417 | 0.7      | 10.5     | 7.6      | 73       | 0.05     | 4.7      | 9.6      | 560      | 3.49        | 1.3      | 1.7     | 0.7      | 15.7     | 9        | 0.049    |
| 11GR0052  | Alberta Creek | 636596 | 6986504 | 8876 | 0.7      | 19.1     | 7.9      | 66       | 0.05     | 18.1     | 13.7     | 642      | 3.19        | 4.6      | 0.9     | 23.1     | 3.4      | 51       | 0.049    |
| 11GR0050  | Alberta Creek | 636499 | 6986500 | 8875 | 0.7      | 23.8     | 8.6      | 79       | 0.05     | 20.4     | 11.1     | 524      | 3.68        | 4.3      | 0.6     | 76.8     | 4.5      | 48       | 0.049    |
| 11GR0048  | Alberta Creek | 636451 | 6986493 | 8874 | 0.7      | 26.2     | 7.6      | 69       | 0.05     | 27.2     | 13       | 679      | 3.44        | 5.3      | 1       | 4        | 4.4      | 45       | 0.1      |
| 11GR0047  | Alberta Creek | 636394 | 6986496 | 8873 | 0.6      | 25.5     | 7.2      | 64       | 0.05     | 25.3     | 11.6     | 566      | 3.15        | 4.9      | 1.2     | 4.4      | 4.2      | 50       | 0.049    |
| 11GR0046  | Alberta Creek | 636348 | 6986597 | 8872 | 0.7      | 14.0     | 6.5      | 55       | 0.05     | 21.0     | 9.7      | 433      | 2.82        | 5.3      | 0.7     | 2.3      | 3.7      | 32       | 0.049    |
| 11GR0044  | Alberta Creek | 636398 | 6986602 | 8871 | 0.5      | 15.9     | 5.5      | 71       | 0.05     | 19.0     | 8.8      | 453      | 2.81        | 4.1      | 0.9     | 10.5     | 5.8      | 46       | 0.1      |
| 11GR0041  | Alberta Creek | 636452 | 6986595 | 8870 | 0.5      | 20.0     | 12.8     | 59       | 0.05     | 18.0     | 9.8      | 510      | 2.35        | 4.5      | 1.6     | 4.9      | 3.8      | 44       | 0.1      |
| 11GR0040  | Alberta Creek | 636497 | 6986601 | 8869 | 0.5      | 30.5     | 10.8     | 66       | 0.10     | 22.5     | 9.9      | 577      | 2.5         | 4.1      | 1.9     | 9        | 2.6      | 71       | 0.2      |
| 11GR0038  | Alberta Creek | 636552 | 6986599 | 8868 | 0.6      | 23.3     | 9.5      | 78       | 0.05     | 21.6     | 11.4     | 515      | 3.28        | 4.1      | 1.2     | 10.7     | 5.3      | 50       | 0.049    |
| 11GR0035  | Alberta Creek | 636599 | 6986549 | 8867 | 0.7      | 29.5     | 8.9      | 72       | 0.05     | 23.0     | 11.2     | 498      | 3.17        | 5.3      | 1.2     | 28.9     | 4.8      | 51       | 0.1      |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11GR0029  | Alberta Creek | 636447 | 6986699 | 8866 | 0.4      | 16.6     | 6.6      | 67       | 0.05     | 13.4     | 9        | 570      | 2.78        | 4.5      | 1.1     | 10.5     | 6.4      | 39       | 0.049    |
| 11GR0028  | Alberta Creek | 636389 | 6986704 | 8865 | 0.5      | 20.6     | 7.3      | 48       | 0.05     | 14.3     | 7.6      | 244      | 2.23        | 4.5      | 0.7     | 8        | 4        | 31       | 0.049    |
| 11GR0027  | Alberta Creek | 636352 | 6986704 | 8864 | 0.7      | 45.2     | 8.8      | 54       | 0.05     | 16.9     | 9.6      | 319      | 2.71        | 6.1      | 0.8     | 17.7     | 3.5      | 33       | 0.049    |
| 11GR0026  | Alberta Creek | 636301 | 6986705 | 8863 | 0.6      | 17.1     | 6.2      | 51       | 0.05     | 15.3     | 7.8      | 337      | 2.63        | 4.3      | 0.7     | 25.2     | 3        | 39       | 0.049    |
| 11GR0025  | Alberta Creek | 636252 | 6986697 | 8862 | 0.6      | 9.0      | 6.6      | 64       | 0.05     | 15.8     | 8.8      | 396      | 2.98        | 4.3      | 0.5     | 42.7     | 3.3      | 21       | 0.049    |
| 11GR0024  | Alberta Creek | 636192 | 6986697 | 8861 | 0.8      | 9.5      | 8.5      | 46       | 0.05     | 16.3     | 6.3      | 275      | 2.11        | 5.4      | 0.4     | 8.8      | 2        | 16       | 0.049    |
| 11GR0023  | Alberta Creek | 636198 | 6986796 | 8860 | 0.7      | 9.3      | 13.1     | 59       | 0.05     | 14.2     | 9        | 552      | 2.53        | 4.7      | 0.6     | 450.1    | 3.5      | 22       | 0.049    |
| 11GR0022  | Alberta Creek | 636246 | 6986799 | 8859 | 0.4      | 11.2     | 6.7      | 75       | 0.05     | 11.3     | 9.8      | 529      | 3.26        | 4.1      | 0.6     | 293.8    | 3.4      | 31       | 0.049    |
| 11GR0021  | Alberta Creek | 636301 | 6986802 | 8858 | 0.5      | 15.0     | 7.6      | 64       | 0.05     | 16.2     | 9.7      | 363      | 2.76        | 6.2      | 0.9     | 167.1    | 3.4      | 37       | 0.049    |
| 11GR0020  | Alberta Creek | 636342 | 6986795 | 8857 | 0.5      | 16.0     | 8.8      | 66       | 0.05     | 16.9     | 10.7     | 375      | 2.91        | 6.1      | 1       | 27.7     | 4        | 36       | 0.049    |
| 11GR0019  | Alberta Creek | 636395 | 6986804 | 8856 | 0.4      | 9.9      | 6.7      | 69       | 0.05     | 12.7     | 11       | 375      | 3.04        | 5.6      | 1       | 57.3     | 2.6      | 40       | 0.049    |
| 11GR0009  | Alberta Creek | 636299 | 6986900 | 8855 | 0.4      | 9.9      | 5.5      | 68       | 0.05     | 12.4     | 11.1     | 514      | 2.88        | 6.2      | 0.8     | 27       | 2.9      | 36       | 0.049    |
| 11GR0008  | Alberta Creek | 636250 | 6986900 | 8854 | 0.6      | 11.6     | 13.1     | 68       | 0.05     | 15.5     | 10.5     | 597      | 2.66        | 6.9      | 0.8     | 114.9    | 4        | 33       | 0.049    |
| 11GR0004  | Alberta Creek | 636399 | 6986996 | 8853 | 0.4      | 16.6     | 5.1      | 91       | 0.05     | 13.9     | 12.4     | 803      | 3.82        | 22.2     | 0.8     | 9.3      | 3.1      | 41       | 0.049    |
| 11GR0003  | Alberta Creek | 636445 | 6987000 | 8852 | 0.6      | 15.2     | 7.3      | 77       | 0.05     | 14.7     | 12.8     | 567      | 3.01        | 5.6      | 0.9     | 5.3      | 3        | 41       | 0.049    |
| 11DS1260  | Skookum Main  | 622749 | 6988488 | 6798 | 1.4      | 35.9     | 26.0     | 89       | 0.10     | 97.3     | 20.8     | 1063     | 4.78        | 21.9     | 1.2     | 6.7      | 8.5      | 86       | 0.1      |
| 11DS1259  | Skookum Main  | 622744 | 6988543 | 6797 | 3.5      | 26.1     | 11.5     | 112      | 0.10     | 55.1     | 25.1     | 1181     | 6.07        | 3.9      | 1.3     | 8.4      | 8.3      | 39       | 0.049    |
| 11DS1258  | Skookum Main  | 622746 | 6988588 | 6796 | 0.8      | 37.0     | 5.4      | 65       | 0.05     | 27.0     | 16.2     | 313      | 3.84        | 5.4      | 0.5     | 42.4     | 2.7      | 19       | 0.049    |
| 11DS1257  | Skookum Main  | 622744 | 6988639 | 6795 | 0.8      | 26.0     | 6.3      | 66       | 0.05     | 16.1     | 13.6     | 361      | 3.38        | 6.5      | 0.3     | 2.4      | 1.8      | 16       | 0.1      |
| 11DS1256  | Skookum Main  | 622742 | 6988693 | 6794 | 0.9      | 30.3     | 12.1     | 153      | 0.05     | 8.5      | 9.3      | 395      | 3.51        | 5.7      | 0.5     | 0.7      | 2        | 13       | 0.2      |
| 11DS1255  | Skookum Main  | 622742 | 6988745 | 6793 | 0.4      | 104.2    | 1.8      | 54       | 0.05     | 9.6      | 26.5     | 446      | 4.84        | 3        | 0.6     | 1.8      | 1.2      | 86       | 0.049    |
| 11DS1254  | Skookum Main  | 622741 | 6988786 | 6792 | 0.8      | 29.0     | 7.8      | 63       | 0.10     | 14.3     | 12.5     | 377      | 3.09        | 4.6      | 1       | 2.7      | 2.7      | 24       | 0.049    |
| 11DS1253  | Skookum Main  | 622736 | 6988846 | 6791 | 2.0      | 17.0     | 5.5      | 112      | 0.05     | 8.7      | 13.2     | 558      | 4.53        | 4.6      | 0.3     | 3.9      | 1.4      | 19       | 0.2      |
| 11DS1252  | Skookum Main  | 622735 | 6988889 | 6790 | 1.1      | 17.1     | 7.9      | 82       | 0.05     | 12.0     | 11.8     | 379      | 3.45        | 4        | 0.5     | 5        | 2        | 20       | 0.049    |
| 11DS1251  | Skookum Main  | 622730 | 6988949 | 6789 | 0.9      | 18.8     | 7.7      | 63       | 0.05     | 15.9     | 10.5     | 338      | 3.07        | 6.8      | 0.5     | 8.3      | 2.8      | 17       | 0.1      |
| 11DS1250  | Skookum West  | 622899 | 6989494 | 6788 | 0.9      | 26.1     | 5.2      | 89       | 0.10     | 13.5     | 13.7     | 584      | 3.93        | 4.4      | 0.5     | 1.9      | 1.5      | 25       | 0.049    |
| 11DS1249  | Skookum West  | 622729 | 6989038 | 6787 | 0.6      | 15.9     | 4.5      | 89       | 0.05     | 13.1     | 14.4     | 493      | 3.89        | 3        | 0.4     | 0.8      | 2        | 17       | 0.049    |
| 11DS1248  | Skookum West  | 622726 | 6989094 | 6786 | 0.6      | 22.9     | 2.3      | 110      | 0.05     | 17.9     | 21.8     | 693      | 4.26        | 1.5      | 0.6     | 0.6      | 2.9      | 17       | 0.049    |
| 11DS1247  | Skookum West  | 622723 | 6989141 | 6785 | 0.7      | 17.9     | 5.4      | 71       | 0.05     | 27.3     | 15.2     | 506      | 3.36        | 4.2      | 0.6     | 1.9      | 3.7      | 19       | 0.049    |
| 11DS1246  | Skookum West  | 622722 | 6989190 | 6784 | 1.6      | 28.1     | 21.5     | 106      | 0.05     | 17.6     | 13.1     | 715      | 3.66        | 3.9      | 0.6     | 1        | 2.7      | 19       | 0.1      |
| 11DS1245  | Skookum West  | 622718 | 6989238 | 6783 | 1.7      | 20.8     | 9.6      | 60       | 0.10     | 15.3     | 10.4     | 366      | 2.74        | 4.3      | 0.7     | 10.4     | 2.7      | 19       | 0.1      |
| 11DS1244  | Skookum West  | 622716 | 6989291 | 6782 | 1.2      | 13.8     | 7.5      | 68       | 0.05     | 13.0     | 10       | 464      | 2.57        | 4.7      | 0.4     | 1.5      | 2.6      | 17       | 0.1      |
| 11DS1243  | Skookum West  | 622716 | 6989336 | 6781 | 1.3      | 22.1     | 4.8      | 72       | 0.10     | 23.7     | 14       | 443      | 2.55        | 3.7      | 0.5     | 2.2      | 1.8      | 19       | 0.049    |
| 11DS1242  | Skookum West  | 622715 | 6989387 | 6780 | 1.2      | 33.5     | 5.1      | 66       | 0.40     | 24.1     | 14.5     | 396      | 2.29        | 3.3      | 0.5     | 2.1      | 1.5      | 16       | 0.049    |
| 11DS1240  | Skookum West  | 622708 | 6989435 | 6778 | 0.3      | 11.6     | 1.2      | 106      | 0.05     | 7.8      | 11.2     | 682      | 1.42        | 4.7      | 0.2     | 2.9      | 3.1      | 10       | 0.049    |
| 11DS1239  | Skookum West  | 622709 | 6989492 | 6777 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11DS1238  | Skookum West  | 622709 | 6989543 | 6776 | 0.5      | 63.0     | 5.4      | 74       | 0.05     | 39.2     | 19.3     | 437      | 3.43        | 3.9      | 0.3     | 2.9      | 1.6      | 17       | 0.049    |
| 11DS1237  | Skookum West  | 622705 | 6989594 | 6775 | 1.7      | 48.5     | 7.5      | 56       | 0.20     | 30.5     | 14.5     | 301      | 2.94        | 6.5      | 0.4     | 2.8      | 1.9      | 17       | 0.049    |
| 11DS1236  | Skookum West  | 622706 | 6989640 | 6774 | 4.1      | 48.2     | 4.8      | 58       | 0.05     | 53.2     | 22.2     | 420      | 2.89        | 3.8      | 0.3     | 1.5      | 1.6      | 12       | 0.049    |
| 11DS1235  | Skookum West  | 623963 | 6989686 | 6773 | 2.4      | 15.9     | 7.0      | 73       | 0.05     | 14.4     | 12.2     | 414      | 3.1         | 4.6      | 0.7     | 11.9     | 1.9      | 20       | 0.049    |
| 11DS1234  | Skookum West  | 624009 | 6989688 | 6772 | 1.6      | 19.4     | 6.8      | 78       | 0.10     | 18.9     | 12.4     | 357      | 2.91        | 4.1      | 0.6     | 4.8      | 2.6      | 27       | 0.1      |
| 11DS1233  | Skookum West  | 624063 | 6989690 | 6771 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11DS1232  | Skookum West  | 624114 | 6989693 | 6770 | 0.9      | 17.7     | 10.1     | 99       | 0.10     | 17.7     | 13.5     | 364      | 2.92        | 3.2      | 0.6     | 113.6    | 2.4      | 33       | 0.049    |
| 11DS1231  | Skookum West  | 624159 | 6989695 | 6769 | 1.1      | 26.4     | 12.0     | 80       | 0.30     | 11.0     | 9.9      | 346      | 2.68        | 2.9      | 0.9     | 2.5      | 2        | 22       | 0.049    |
| 11DS1230  | Skookum West  | 624213 | 6989697 | 6768 | 1.6      | 23.2     | 10.0     | 83       | 0.20     | 16.2     | 15.7     | 381      | 3.14        | 4.8      | 1.1     | 1.7      | 3.9      | 42       | 0.049    |
| 11DS1229  | Skookum West  | 624262 | 6989701 | 6767 | 1.2      | 23.6     | 7.7      | 78       | 0.10     | 12.6     | 13.6     | 446      | 3.05        | 3.3      | 0.8     | 1.3      | 2.4      | 23       | 0.1      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS1228  | Skookum West | 624314 | 6989701 | 6766 | 1.1      | 32.5     | 10.4     | 126      | 0.05     | 13.2     | 20.1     | 769      | 4.01        | 2.5      | 0.4     | 2.5      | 1.4      | 28       | 0.1      |
| 11DS1227  | Skookum West | 622889 | 6989594 | 6765 | 1.1      | 32.2     | 4.0      | 75       | 0.05     | 9.0      | 10.3     | 723      | 2.99        | 6.3      | 0.5     | 3.5      | 4.7      | 10       | 0.049    |
| 11DS1226  | Skookum West | 622915 | 6989594 | 6764 | 1.0      | 12.6     | 7.3      | 73       | 0.05     | 13.6     | 11.6     | 578      | 3.15        | 6.7      | 0.6     | 2        | 4.3      | 14       | 0.049    |
| 11DS1225  | Skookum West | 622938 | 6989597 | 6763 | 0.7      | 17.9     | 6.9      | 68       | 0.05     | 15.4     | 11       | 584      | 2.87        | 4.9      | 1       | 3.3      | 5.2      | 20       | 0.049    |
| 11DS1224  | Skookum West | 622964 | 6989597 | 6762 | 0.8      | 16.7     | 5.8      | 76       | 0.05     | 14.8     | 12.7     | 652      | 3.01        | 4.4      | 0.5     | 3        | 3.7      | 15       | 0.049    |
| 11DS1223  | Skookum West | 622987 | 6989602 | 6761 | 1.0      | 11.3     | 5.8      | 73       | 0.05     | 13.6     | 10.1     | 543      | 2.56        | 4        | 0.6     | 2.1      | 3.1      | 15       | 0.049    |
| 11DS1222  | Skookum West | 623012 | 6989600 | 6760 | 1.2      | 20.7     | 8.7      | 79       | 0.05     | 20.3     | 13.7     | 577      | 3.66        | 6.6      | 0.8     | 1.2      | 5        | 22       | 0.049    |
| 11DS1220  | Skookum West | 623038 | 6989604 | 6758 | 1.3      | 18.7     | 7.4      | 70       | 0.05     | 20.8     | 11       | 520      | 3.07        | 5.5      | 0.8     | 2.3      | 5.6      | 19       | 0.049    |
| 11DS1219  | Skookum West | 623064 | 6989603 | 6757 | 1.1      | 20.6     | 9.0      | 39       | 0.10     | 12.9     | 5.1      | 186      | 2.36        | 4.8      | 1       | 1.1      | 1.8      | 23       | 0.049    |
| 11DS1218  | Skookum West | 623088 | 6989601 | 6756 | 1.3      | 26.0     | 12.7     | 88       | 0.20     | 26.1     | 12.1     | 596      | 3.1         | 7.8      | 1       | 4.5      | 3.6      | 32       | 0.2      |
| 11DS1217  | Skookum West | 623113 | 6989602 | 6755 | 1.1      | 18.9     | 7.2      | 83       | 0.05     | 19.3     | 12.8     | 570      | 3.21        | 5.5      | 0.9     | 2.3      | 4.1      | 22       | 0.049    |
| 11DS1216  | Skookum West | 623139 | 6989604 | 6754 | 1.3      | 12.2     | 8.8      | 48       | 0.05     | 12.5     | 6.3      | 314      | 3.28        | 7.4      | 0.4     | 2        | 2.3      | 10       | 0.049    |
| 11DS1215  | Skookum West | 623165 | 6989607 | 6753 | 1.0      | 12.2     | 7.0      | 62       | 0.05     | 15.0     | 9.7      | 493      | 2.96        | 5.9      | 0.5     | 1.4      | 2.9      | 11       | 0.049    |
| 11DS1214  | Skookum West | 623188 | 6989606 | 6752 | 1.0      | 12.8     | 7.7      | 60       | 0.05     | 12.5     | 6.7      | 309      | 2.45        | 6        | 0.6     | 4.3      | 0.9      | 12       | 0.2      |
| 11DS1213  | Skookum West | 623213 | 6989606 | 6751 | 0.4      | 14.3     | 4.6      | 74       | 0.05     | 16.4     | 9.9      | 515      | 2.69        | 3.8      | 0.9     | 1.9      | 4.8      | 20       | 0.049    |
| 11DS1212  | Skookum West | 623240 | 6989608 | 6750 | 0.7      | 25.8     | 5.7      | 86       | 0.05     | 30.0     | 13.4     | 547      | 3.32        | 4.4      | 1.2     | 4        | 4.3      | 27       | 0.049    |
| 11DS1211  | Skookum West | 623264 | 6989607 | 6749 | 0.7      | 25.2     | 5.5      | 89       | 0.10     | 13.9     | 10.4     | 521      | 3.21        | 4.3      | 1.3     | 4        | 4.2      | 19       | 0.049    |
| 11DS1210  | Skookum West | 623287 | 6989610 | 6748 | 0.7      | 35.9     | 6.6      | 80       | 0.05     | 16.7     | 10.5     | 552      | 2.89        | 4.5      | 1.2     | 3.4      | 4.4      | 21       | 0.1      |
| 11DS1209  | Skookum West | 623315 | 6989611 | 6747 | 0.8      | 25.7     | 7.3      | 73       | 0.05     | 16.7     | 9.4      | 432      | 2.79        | 4.6      | 0.9     | 2.1      | 4.3      | 20       | 0.049    |
| 11DS1208  | Skookum West | 623338 | 6989611 | 6746 | 0.5      | 22.1     | 5.9      | 88       | 0.05     | 18.5     | 11.6     | 565      | 3.13        | 4.7      | 1       | 4.2      | 3.9      | 25       | 0.049    |
| 11DS1207  | Skookum West | 623364 | 6989614 | 6745 | 0.5      | 14.9     | 5.3      | 84       | 0.05     | 13.6     | 11.8     | 571      | 2.93        | 3.9      | 0.8     | 1.3      | 3.3      | 18       | 0.1      |
| 11DS1206  | Skookum West | 623388 | 6989616 | 6744 | 0.8      | 22.7     | 6.4      | 103      | 0.05     | 18.7     | 14.6     | 728      | 3.39        | 5.2      | 0.9     | 2.1      | 3.9      | 21       | 0.049    |
| 11DS1205  | Skookum West | 623414 | 6989615 | 6743 | 0.4      | 9.1      | 4.5      | 93       | 0.05     | 11.9     | 11.3     | 566      | 2.36        | 2        | 0.8     | 1.8      | 2.9      | 18       | 0.049    |
| 11DS1204  | Skookum West | 623438 | 6989617 | 6742 | 0.5      | 7.9      | 4.2      | 87       | 0.05     | 11.5     | 12.9     | 739      | 2.43        | 3.1      | 0.7     | 1.1      | 3.2      | 15       | 0.049    |
| 11DS1203  | Skookum West | 623464 | 6989617 | 6741 | 0.3      | 8.6      | 3.9      | 79       | 0.05     | 11.9     | 10.3     | 565      | 2.09        | 2.8      | 0.8     | 4.2      | 4.2      | 15       | 0.049    |
| 11DS1202  | Skookum West | 623488 | 6989619 | 6740 | 0.4      | 19.7     | 4.6      | 109      | 0.05     | 15.5     | 17.7     | 576      | 3.09        | 3.3      | 0.8     | 1.4      | 2.8      | 18       | 0.1      |
| 11DS1200  | Skookum West | 623514 | 6989619 | 6738 | 0.6      | 14.8     | 5.9      | 88       | 0.05     | 14.3     | 11.5     | 519      | 2.83        | 4.8      | 0.9     | 2.5      | 3.5      | 17       | 0.049    |
| 11DS1199  | Skookum West | 623537 | 6989622 | 6737 | 0.2      | 28.6     | 2.4      | 140      | 0.05     | 10.7     | 21.2     | 477      | 3.55        | 1.7      | 0.5     | 0.6      | 2.7      | 17       | 0.049    |
| 11DS1198  | Skookum West | 624289 | 6989648 | 6736 | 1.1      | 22.2     | 8.4      | 64       | 0.20     | 17.8     | 11.9     | 287      | 2.5         | 4.2      | 0.8     | 4.5      | 1.3      | 22       | 0.049    |
| 11DS1197  | Skookum West | 624263 | 6989648 | 6735 | 1.5      | 19.3     | 12.2     | 80       | 0.20     | 17.0     | 12.2     | 323      | 2.75        | 4.8      | 0.8     | 5.5      | 1.7      | 23       | 0.1      |
| 11DS1196  | Skookum West | 624242 | 6989645 | 6734 | 1.3      | 18.0     | 8.8      | 62       | 0.20     | 11.3     | 7.9      | 211      | 2.3         | 4        | 1.1     | 3        | 1.6      | 21       | 0.2      |
| 11DS1195  | Skookum West | 624216 | 6989645 | 6733 | 1.5      | 14.7     | 8.8      | 72       | 0.20     | 13.1     | 9.2      | 179      | 2.52        | 3.8      | 1       | 5.8      | 1.9      | 22       | 0.1      |
| 11DS1194  | Skookum West | 624189 | 6989642 | 6732 | 1.3      | 27.4     | 10.8     | 84       | 0.40     | 16.5     | 17.6     | 517      | 3.17        | 3.8      | 1.2     | 15.4     | 2.7      | 29       | 0.2      |
| 11DS1193  | Skookum West | 624162 | 6989645 | 6731 | 1.5      | 23.9     | 10.8     | 85       | 0.30     | 13.5     | 13.3     | 341      | 3.33        | 5        | 0.8     | 5.1      | 2.5      | 35       | 0.2      |
| 11DS1192  | Skookum West | 624140 | 6989647 | 6730 | 1.6      | 27.0     | 13.8     | 107      | 0.20     | 18.4     | 14.8     | 530      | 3.81        | 6.2      | 0.9     | 10.7     | 4.2      | 28       | 0.2      |
| 11DS1191  | Skookum West | 624114 | 6989643 | 6729 | 1.8      | 19.7     | 14.4     | 115      | 0.20     | 19.2     | 16.8     | 652      | 3.68        | 4.3      | 0.5     | 4.7      | 2.3      | 32       | 0.1      |
| 11DS1190  | Skookum West | 624086 | 6989643 | 6728 | 1.4      | 22.2     | 6.9      | 88       | 0.20     | 17.6     | 14.8     | 471      | 3.35        | 3.2      | 0.5     | 6.4      | 1.9      | 41       | 0.1      |
| 11DS1189  | Skookum West | 624066 | 6989639 | 6727 | 2.3      | 18.6     | 6.5      | 90       | 0.10     | 14.7     | 18.4     | 667      | 3.66        | 6.2      | 0.4     | 3.8      | 1.6      | 29       | 0.049    |
| 11DS1188  | Skookum West | 624042 | 6989636 | 6726 | 2.3      | 14.2     | 7.0      | 82       | 0.10     | 12.4     | 15.7     | 550      | 3.33        | 3.6      | 0.4     | 2.1      | 1.4      | 36       | 0.1      |
| 11DS1187  | Skookum West | 624018 | 6989639 | 6725 | 2.2      | 15.9     | 6.4      | 64       | 0.20     | 13.1     | 10.1     | 358      | 2.79        | 3.3      | 0.4     | 2.2      | 1.4      | 20       | 0.049    |
| 11DS1186  | Skookum West | 623991 | 6989638 | 6724 | 1.6      | 16.3     | 6.4      | 76       | 0.20     | 15.3     | 9.6      | 247      | 2.66        | 3.3      | 0.6     | 9.5      | 1.5      | 21       | 0.1      |
| 11DS1184  | Skookum West | 623940 | 6989633 | 6723 | 1.8      | 26.4     | 5.3      | 82       | 0.05     | 20.6     | 16       | 498      | 3.06        | 4.5      | 0.5     | 78.7     | 2.2      | 34       | 0.1      |
| 11DS1183  | Skookum West | 623914 | 6989633 | 6722 | 1.4      | 26.9     | 5.8      | 77       | 0.10     | 20.9     | 15       | 560      | 2.98        | 4.5      | 0.8     | 20.2     | 2.4      | 35       | 0.2      |
| 11DS1182  | Skookum West | 623888 | 6989633 | 6721 | 1.8      | 17.3     | 6.0      | 62       | 0.05     | 19.1     | 9.1      | 258      | 2.43        | 4.1      | 0.4     | 12.1     | 1.2      | 23       | 0.049    |
| 11DS1180  | Skookum West | 623864 | 6989633 | 6719 | 0.8      | 17.4     | 9.9      | 112      | 0.20     | 16.9     | 13.5     | 1021     | 3.42        | 4.4      | 0.7     | 4.8      | 3        | 21       | 0.2      |
| 11DS1179  | Skookum West | 623842 | 6989635 | 6718 | 0.6      | 12.7     | 5.5      | 93       | 0.10     | 17.0     | 12.3     | 527      | 3.14        | 4.7      | 0.6     | 3.6      | 3.1      | 21       | 0.1      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS1178  | Skookum West | 623811 | 6989632 | 6717 | 0.7      | 20.0     | 5.6      | 86       | 0.20     | 15.0     | 12       | 504      | 3.32        | 3.9      | 0.7     | 4.2      | 2.8      | 22       | 0.2      |
| 11DS1177  | Skookum West | 623790 | 6989629 | 6716 | 0.7      | 19.6     | 3.9      | 86       | 0.05     | 11.6     | 13.8     | 535      | 3.37        | 3.1      | 0.4     | 1.7      | 2        | 24       | 0.049    |
| 11DS1176  | Skookum West | 623765 | 6989626 | 6715 | 1.0      | 21.1     | 4.3      | 107      | 0.05     | 12.3     | 10.1     | 637      | 3.46        | 2.7      | 0.7     | 3.1      | 3.7      | 19       | 0.1      |
| 11DS1175  | Skookum West | 623738 | 6989626 | 6714 | 0.6      | 21.6     | 5.9      | 72       | 0.10     | 13.7     | 12.9     | 502      | 3.03        | 4.3      | 0.5     | 3.3      | 2.1      | 21       | 0.2      |
| 11DS1174  | Skookum West | 623716 | 6989625 | 6713 | 0.3      | 28.9     | 3.7      | 70       | 0.05     | 12.1     | 14.7     | 451      | 3.3         | 3.3      | 0.3     | 5.5      | 1.5      | 37       | 0.049    |
| 11DS1173  | Skookum West | 623689 | 6989625 | 6712 | 0.5      | 21.2     | 4.8      | 72       | 0.10     | 12.3     | 11.9     | 392      | 2.73        | 4.2      | 0.5     | 2.1      | 2.2      | 20       | 0.049    |
| 11DS1172  | Skookum West | 623664 | 6989626 | 6711 | 0.4      | 21.5     | 4.8      | 81       | 0.05     | 16.6     | 14.7     | 443      | 3.02        | 4.2      | 0.6     | 2.9      | 2.6      | 26       | 0.1      |
| 11DS1171  | Skookum West | 623641 | 6989622 | 6710 | 0.5      | 25.0     | 5.3      | 82       | 0.05     | 14.4     | 12.8     | 476      | 3.21        | 5.7      | 0.6     | 2.7      | 2.9      | 21       | 0.1      |
| 11DS1170  | Skookum West | 623614 | 6989627 | 6709 | 0.4      | 19.1     | 4.4      | 84       | 0.05     | 16.6     | 12.7     | 473      | 2.99        | 4.4      | 0.6     | 5        | 3        | 21       | 0.2      |
| 11DS1169  | Skookum West | 623589 | 6989622 | 6708 | 0.3      | 10.3     | 2.2      | 104      | 0.05     | 8.7      | 16.4     | 700      | 3.07        | 2.1      | 0.3     | 1.5      | 2.3      | 20       | 0.049    |
| 11DS1168  | Skookum West | 623565 | 6989619 | 6707 | 0.5      | 15.8     | 3.8      | 100      | 0.05     | 11.8     | 15.6     | 547      | 3.15        | 3.3      | 0.5     | 113.8    | 2.7      | 18       | 0.049    |
| 11DS0714  | Skookum East | 627750 | 6988581 | 6294 | 1.3      | 38.1     | 11.3     | 78       | 0.10     | 23.2     | 10.3     | 331      | 3.07        | 16.5     | 0.7     | 4.5      | 5.1      | 19       | 0.3      |
| 11DS0713  | Skookum East | 627746 | 6988630 | 6293 | 1.8      | 58.2     | 17.0     | 79       | 0.10     | 12.8     | 8        | 473      | 2.96        | 12.4     | 0.5     | 1.6      | 3.6      | 18       | 0.3      |
| 11DS0712  | Skookum East | 627748 | 6988678 | 6292 | 1.1      | 57.4     | 12.3     | 114      | 0.10     | 14.3     | 11.4     | 596      | 3.61        | 3.8      | 0.7     | 0.6      | 2.9      | 33       | 0.3      |
| 11DS0711  | Skookum East | 627747 | 6988728 | 6291 | 2.9      | 34.7     | 6.5      | 81       | 0.05     | 39.5     | 18.1     | 420      | 4.84        | 4.3      | 1.6     | 0.249    | 9.5      | 68       | 0.049    |
| 11DS0710  | Skookum East | 627745 | 6988777 | 6290 | 1.6      | 16.7     | 8.1      | 47       | 0.05     | 19.6     | 8.4      | 343      | 2.51        | 5.3      | 0.8     | 2.1      | 7.9      | 28       | 0.049    |
| 11DS0709  | Skookum East | 627758 | 6988828 | 6289 | 1.1      | 25.4     | 9.4      | 55       | 0.05     | 26.3     | 9.9      | 376      | 3.02        | 8.1      | 1.4     | 66.8     | 10.2     | 31       | 0.049    |
| 11DS0708  | Skookum East | 627748 | 6988877 | 6288 | 1.3      | 17.7     | 9.7      | 50       | 0.05     | 28.7     | 8.1      | 195      | 3.04        | 6        | 1.1     | 16.9     | 12.2     | 17       | 0.049    |
| 11DS0707  | Skookum East | 627745 | 6988929 | 6287 | 1.4      | 14.4     | 9.7      | 52       | 0.70     | 22.1     | 8.5      | 251      | 3.42        | 7.7      | 0.6     | 44.5     | 4.7      | 13       | 0.2      |
| 11DS0706  | Skookum East | 627752 | 6988982 | 6286 | 1.0      | 27.8     | 10.3     | 59       | 0.05     | 26.5     | 10.6     | 348      | 3.07        | 8.9      | 1.1     | 10.2     | 9.3      | 22       | 0.049    |
| 11DS0705  | Skookum East | 627749 | 6989029 | 6285 | 1.1      | 17.2     | 10.5     | 49       | 0.10     | 21.2     | 10.1     | 274      | 3.32        | 9.3      | 0.7     | 4.9      | 5.6      | 14       | 0.2      |
| 11DS0704  | Skookum East | 627749 | 6989079 | 6284 | 0.8      | 14.5     | 8.7      | 66       | 0.05     | 12.5     | 7.6      | 312      | 3.2         | 4.3      | 0.6     | 0.9      | 4.4      | 16       | 0.049    |
| 11DS0703  | Skookum East | 627747 | 6989132 | 6283 | 0.7      | 33.8     | 10.1     | 68       | 0.05     | 95.8     | 17.4     | 540      | 3.88        | 6.9      | 1.4     | 3.4      | 8.9      | 132      | 0.049    |
| 11DS0702  | Skookum East | 627749 | 6989182 | 6282 | 0.8      | 20.7     | 10.0     | 51       | 0.05     | 20.1     | 9.2      | 368      | 2.81        | 8        | 0.7     | 1.6      | 4.8      | 21       | 0.049    |
| 11DS0700  | Skookum East | 627749 | 6989231 | 6280 | 0.7      | 14.3     | 8.5      | 48       | 0.05     | 13.7     | 7.8      | 247      | 2.89        | 4.4      | 0.5     | 0.249    | 13       | 16       | 0.1      |
| 11DS0699  | Skookum East | 627748 | 6989282 | 6279 | 0.7      | 15.7     | 8.7      | 50       | 0.05     | 12.8     | 7.6      | 492      | 3.23        | 4.9      | 0.9     | 9.9      | 10.5     | 27       | 0.049    |
| 11DS0698  | Skookum East | 627746 | 6989330 | 6278 | 0.6      | 20.9     | 9.1      | 59       | 0.05     | 20.5     | 11.7     | 425      | 3.14        | 5.1      | 0.7     | 10.9     | 7.2      | 25       | 0.1      |
| 11DS0697  | Skookum East | 627748 | 6989381 | 6277 | 0.8      | 18.3     | 11.9     | 45       | 0.20     | 18.0     | 6.9      | 224      | 2.52        | 6.5      | 0.6     | 5.2      | 1        | 22       | 0.3      |
| 11DS0696  | Skookum East | 627749 | 6989430 | 6276 | 1.3      | 6.0      | 8.9      | 38       | 0.05     | 5.4      | 3.7      | 292      | 2.18        | 4.6      | 0.3     | 0.8      | 1.7      | 17       | 0.1      |
| 11DS0695  | Skookum East | 627749 | 6989483 | 6275 | 1.2      | 85.5     | 13.0     | 103      | 0.05     | 19.1     | 13.9     | 659      | 4.26        | 4.6      | 0.5     | 0.249    | 9.8      | 10       | 0.2      |
| 11DS0694  | Skookum East | 627750 | 6989531 | 6274 | 1.6      | 14.8     | 10.5     | 47       | 0.10     | 12.9     | 7        | 312      | 3.13        | 8        | 0.4     | 2.8      | 3.7      | 14       | 0.049    |
| 11DS0693  | Skookum East | 627745 | 6989584 | 6273 | 0.7      | 25.8     | 6.9      | 79       | 0.05     | 17.4     | 12.5     | 724      | 3.68        | 3.9      | 0.9     | 7.2      | 10.3     | 36       | 0.049    |
| 11DS0692  | Skookum East | 627748 | 6989634 | 6272 | 1.0      | 42.5     | 7.1      | 59       | 0.05     | 10.5     | 7.5      | 322      | 2.81        | 3.2      | 0.5     | 3.9      | 9.2      | 24       | 0.049    |
| 11DS0691  | Skookum East | 627749 | 6989682 | 6271 | 1.5      | 49.9     | 8.9      | 70       | 0.05     | 18.8     | 12.7     | 394      | 3.64        | 8.3      | 0.7     | 3.5      | 5        | 15       | 0.1      |
| 11DS0690  | Skookum East | 627748 | 6989736 | 6270 | 1.4      | 36.9     | 11.9     | 68       | 0.05     | 37.9     | 13.9     | 567      | 3.36        | 7.3      | 1.1     | 15.9     | 5.7      | 35       | 0.049    |
| 11DS0689  | Skookum East | 627749 | 6989785 | 6269 | 1.3      | 18.8     | 10.8     | 54       | 0.05     | 25.1     | 10.8     | 316      | 3.15        | 7.4      | 0.7     | 6        | 4        | 21       | 0.049    |
| 11DS0688  | Skookum East | 627747 | 6989830 | 6268 | 0.6      | 24.0     | 7.1      | 61       | 0.05     | 17.2     | 10       | 383      | 2.98        | 5.8      | 0.6     | 5.4      | 5.6      | 20       | 0.049    |
| 11DS0687  | Skookum East | 627748 | 6989883 | 6267 | 0.7      | 44.4     | 6.8      | 56       | 0.05     | 13.6     | 9.3      | 349      | 2.76        | 5.6      | 0.9     | 2.5      | 7        | 26       | 0.049    |
| 11DS0686  | Skookum East | 627747 | 6989936 | 6266 | 1.6      | 194.5    | 8.6      | 86       | 0.10     | 27.5     | 11.7     | 344      | 3.32        | 72.8     | 1.1     | 3.5      | 3.5      | 29       | 0.049    |
| 11DS0685  | Skookum East | 627750 | 6989983 | 6265 | 1.7      | 213.9    | 6.8      | 109      | 0.05     | 33.3     | 18.9     | 977      | 3.37        | 3.1      | 0.5     | 0.249    | 2.5      | 27       | 0.049    |
| 11DS0684  | Skookum East | 627749 | 6990036 | 6264 | 0.9      | 33.1     | 10.1     | 61       | 0.05     | 22.7     | 10.2     | 392      | 3.05        | 8.4      | 1       | 9.2      | 5.2      | 33       | 0.1      |
| 11DS0683  | Skookum East | 627751 | 6990083 | 6263 | 1.6      | 49.3     | 6.4      | 94       | 0.05     | 5.1      | 19.6     | 1024     | 5.76        | 3        | 0.5     | 0.6      | 3.5      | 20       | 0.1      |
| 11DS0682  | Skookum East | 627749 | 6990133 | 6262 | 1.6      | 19.3     | 10.0     | 55       | 0.05     | 16.3     | 9.1      | 310      | 2.91        | 6.7      | 0.6     | 4.2      | 4.4      | 20       | 0.1      |
| 11DS0680  | Skookum East | 627752 | 6990183 | 6260 | 1.3      | 21.9     | 9.1      | 58       | 0.05     | 33.6     | 11.3     | 316      | 3.02        | 5.8      | 1       | 3        | 10.6     | 32       | 0.049    |
| 11DS0679  | Skookum East | 627753 | 6990235 | 6259 | 1.3      | 19.3     | 9.7      | 58       | 0.10     | 18.5     | 9.5      | 414      | 2.94        | 7.7      | 1.1     | 2.6      | 6.3      | 30       | 0.1      |
| 11DS0678  | Skookum East | 627751 | 6990279 | 6258 | 1.1      | 25.7     | 12.9     | 57       | 0.20     | 28.5     | 11       | 550      | 2.9         | 7.1      | 1.4     | 3.7      | 6.8      | 50       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0677  | Skookum East | 627750 | 6990327 | 6257 | 0.8      | 22.8     | 9.6      | 64       | 0.05     | 23.2     | 11.9     | 412      | 3.44        | 7        | 0.8     | 2.3      | 11.1     | 24       | 0.049    |
| 11DS0676  | Skookum East | 627747 | 6990375 | 6256 | 0.7      | 19.6     | 9.7      | 68       | 0.05     | 15.7     | 10       | 345      | 3.35        | 5.4      | 0.8     | 2.4      | 15.5     | 30       | 0.049    |
| 11DS0675  | Skookum East | 627750 | 6990430 | 6255 | 0.6      | 20.6     | 8.9      | 111      | 0.05     | 65.1     | 18       | 879      | 4.78        | 5.2      | 1       | 3        | 5.2      | 43       | 0.049    |
| 11DS0674  | Skookum East | 627751 | 6990481 | 6254 | 0.8      | 17.9     | 9.6      | 56       | 0.05     | 21.1     | 10.1     | 380      | 2.96        | 6.2      | 0.8     | 1.4      | 4.2      | 28       | 0.049    |
| 11DS0673  | Skookum East | 627751 | 6990531 | 6253 | 0.3      | 6.6      | 2.8      | 98       | 0.05     | 124.1    | 28       | 755      | 5.43        | 2.6      | 0.3     | 0.5      | 1.5      | 32       | 0.049    |
| 11DS0672  | Skookum East | 627345 | 6988573 | 6252 | 2.5      | 97.5     | 14.3     | 137      | 0.40     | 14.9     | 14.4     | 398      | 4.24        | 2.9      | 0.8     | 2.3      | 3.2      | 30       | 0.3      |
| 11DS0671  | Skookum East | 627350 | 6988625 | 6251 | 1.5      | 34.2     | 71.7     | 283      | 0.10     | 18.7     | 11.1     | 533      | 3.94        | 7.9      | 0.7     | 3.7      | 6.1      | 21       | 0.5      |
| 11DS0670  | Skookum East | 627345 | 6988682 | 6250 | 1.3      | 33.9     | 14.9     | 92       | 0.05     | 25.5     | 10.6     | 488      | 3.36        | 9.2      | 1.3     | 14       | 10.6     | 28       | 0.1      |
| 11DS0669  | Skookum East | 627348 | 6988715 | 6249 | 2.6      | 22.4     | 13.3     | 71       | 0.20     | 15.3     | 5.7      | 283      | 2.87        | 13.6     | 0.9     | 0.6      | 6        | 21       | 0.4      |
| 11DS0668  | Skookum East | 627352 | 6988768 | 6248 | 2.0      | 35.0     | 19.4     | 78       | 0.30     | 25.9     | 9        | 282      | 3.24        | 45.9     | 0.8     | 5        | 6.7      | 20       | 0.2      |
| 11DS0667  | Skookum East | 627346 | 6988825 | 6247 | 1.3      | 11.4     | 15.0     | 108      | 0.40     | 12.5     | 7.3      | 405      | 3.68        | 11       | 0.4     | 2.3      | 1.9      | 15       | 0.7      |
| 11DS0666  | Skookum East | 627349 | 6988875 | 6246 | 3.1      | 40.0     | 13.2     | 64       | 0.40     | 20.5     | 9.4      | 277      | 3.51        | 14.3     | 1.2     | 3.4      | 6.2      | 20       | 0.1      |
| 11DS0665  | Skookum East | 627348 | 6988925 | 6245 | 11.8     | 99.3     | 6.4      | 142      | 0.20     | 27.1     | 23.3     | 644      | 4.8         | 7.4      | 1.6     | 3.4      | 6.6      | 18       | 0.3      |
| 11DS0664  | Skookum East | 627347 | 6988976 | 6244 | 1.2      | 155.6    | 8.0      | 88       | 0.05     | 17.9     | 12.1     | 440      | 3.06        | 5        | 0.6     | 4        | 3.1      | 28       | 0.1      |
| 11DS0663  | Skookum East | 627348 | 6989026 | 6243 | 1.6      | 170.1    | 13.6     | 209      | 0.05     | 9.4      | 9.4      | 641      | 3.85        | 4.1      | 0.9     | 1.7      | 3.7      | 28       | 0.5      |
| 11DS0662  | Skookum East | 627349 | 6989076 | 6242 | 4.0      | 99.4     | 12.9     | 107      | 0.05     | 43.7     | 9.9      | 264      | 3.66        | 10.6     | 1.5     | 0.7      | 12.3     | 27       | 0.2      |
| 11DS0660  | Skookum East | 627347 | 6989125 | 5636 | 4.1      | 98.6     | 11.0     | 81       | 0.40     | 11.4     | 7.1      | 309      | 2.34        | 51       | 1.3     | 2.2      | 1.7      | 22       | 0.1      |
| 11DS0659  | Skookum East | 627349 | 6989176 | 5635 | 2.2      | 28.1     | 8.1      | 51       | 0.10     | 16.3     | 9.7      | 415      | 2.24        | 6.6      | 0.9     | 3.4      | 3.1      | 32       | 0.1      |
| 11DS0658  | Skookum East | 627348 | 6989225 | 5634 | 2.1      | 15.8     | 9.3      | 49       | 0.10     | 15.8     | 8        | 256      | 2.31        | 6        | 1.5     | 3.9      | 4.4      | 31       | 0.1      |
| 11DS0657  | Skookum East | 627348 | 6989273 | 5633 | 1.7      | 11.9     | 9.8      | 47       | 0.05     | 12.6     | 7.1      | 217      | 2.09        | 5.6      | 0.7     | 11.6     | 2.9      | 23       | 0.1      |
| 11DS0656  | Skookum East | 627346 | 6989321 | 5632 | 2.9      | 15.7     | 13.6     | 56       | 0.05     | 13.6     | 11.7     | 822      | 2.57        | 6.5      | 0.9     | 3.3      | 3.2      | 26       | 0.1      |
| 11DS0655  | Skookum East | 627347 | 6989373 | 5631 | 3.4      | 16.6     | 8.9      | 54       | 0.10     | 16.1     | 9.8      | 856      | 2.28        | 3.8      | 4.5     | 2.9      | 5.1      | 39       | 0.2      |
| 11DS0654  | Skookum East | 627349 | 6989426 | 5630 | 1.3      | 12.1     | 15.3     | 48       | 0.05     | 32.0     | 9.1      | 306      | 2.55        | 4.4      | 0.5     | 14.5     | 4.7      | 19       | 0.2      |
| 11DS0653  | Skookum East | 627347 | 6989469 | 5629 | 1.8      | 17.4     | 9.3      | 60       | 0.05     | 24.1     | 8.5      | 430      | 2.81        | 4.7      | 1       | 13.4     | 8.5      | 24       | 0.1      |
| 11DS0652  | Skookum East | 627348 | 6989519 | 5628 | 1.4      | 11.7     | 10.7     | 45       | 0.10     | 10.2     | 4.7      | 192      | 2.73        | 8.1      | 0.4     | 10.8     | 3.5      | 13       | 0.1      |
| 11DS0651  | Skookum East | 627349 | 6989568 | 5627 | 0.9      | 12.4     | 9.2      | 49       | 0.05     | 11.6     | 6.3      | 241      | 2.81        | 5.6      | 0.5     | 2.9      | 6        | 15       | 0.049    |
| 11DS0650  | Skookum East | 627350 | 6989623 | 5626 | 0.9      | 59.4     | 6.1      | 70       | 0.10     | 21.5     | 14.3     | 439      | 3.47        | 3.5      | 1.1     | 8.3      | 7.4      | 39       | 0.049    |
| 11DS0649  | Skookum East | 627352 | 6989673 | 5625 | 1.3      | 93.0     | 13.2     | 91       | 0.05     | 18.8     | 7.3      | 362      | 3.52        | 2.6      | 1.2     | 15.4     | 15.7     | 44       | 0.049    |
| 11DS0648  | Skookum East | 627351 | 6989722 | 5624 | 1.3      | 17.2     | 9.5      | 56       | 0.10     | 12.8     | 8.7      | 370      | 2.4         | 3.5      | 1       | 2.7      | 3.5      | 40       | 0.049    |
| 11DS0647  | Skookum East | 627351 | 6989766 | 5623 | 2.8      | 28.4     | 11.0     | 65       | 0.10     | 15.8     | 11.5     | 481      | 3.3         | 4.7      | 2.5     | 2.9      | 9.3      | 51       | 0.1      |
| 11DS0646  | Skookum East | 627344 | 6989824 | 5622 | 8.9      | 17.6     | 6.1      | 48       | 0.10     | 13.5     | 15.6     | 988      | 2.69        | 3.4      | 2.3     | 2.2      | 4.4      | 76       | 0.1      |
| 11DS0645  | Skookum East | 627349 | 6989877 | 5621 | 3.4      | 30.7     | 6.1      | 53       | 0.10     | 17.8     | 10.8     | 382      | 2.72        | 4.6      | 2       | 3.4      | 5.7      | 52       | 0.049    |
| 11DS0644  | Skookum East | 627347 | 6989923 | 5620 | 1.0      | 25.6     | 4.5      | 56       | 0.05     | 19.1     | 12.5     | 359      | 3.03        | 3.1      | 0.6     | 6.2      | 2.8      | 30       | 0.049    |
| 11DS0643  | Skookum East | 627349 | 6989975 | 5619 | 0.9      | 22.2     | 5.8      | 57       | 0.05     | 15.7     | 13.4     | 439      | 2.85        | 5.4      | 0.4     | 4.2      | 3.7      | 21       | 0.049    |
| 11DS0642  | Skookum East | 627349 | 6990026 | 5618 | 0.5      | 34.1     | 2.6      | 106      | 0.05     | 9.0      | 12.4     | 641      | 4.11        | 1.1      | 0.6     | 2.4      | 10.1     | 37       | 0.049    |
| 11DS0640  | Skookum East | 627348 | 6990072 | 5616 | 0.8      | 26.7     | 3.3      | 81       | 0.05     | 5.7      | 9.6      | 559      | 3.28        | 0.8      | 0.8     | 5        | 11.1     | 35       | 0.049    |
| 11DS0639  | Skookum East | 627350 | 6990127 | 5615 | 0.8      | 25.0     | 5.3      | 69       | 0.10     | 19.6     | 8.1      | 325      | 2.74        | 1.5      | 1.7     | 6.7      | 4.9      | 51       | 0.1      |
| 11DS0638  | Skookum East | 627350 | 6990173 | 5614 | 2.0      | 25.1     | 7.0      | 54       | 0.10     | 21.4     | 7.8      | 337      | 2.46        | 1.9      | 1.8     | 2        | 7.8      | 32       | 0.1      |
| 11DS0637  | Skookum East | 627349 | 6990223 | 5613 | 0.8      | 17.5     | 3.9      | 122      | 0.05     | 18.3     | 16.9     | 682      | 4.28        | 1.3      | 1       | 0.6      | 11.3     | 47       | 0.049    |
| 11DS0636  | Skookum East | 627352 | 6990273 | 5612 | 4.4      | 18.4     | 7.7      | 88       | 0.05     | 15.6     | 9.1      | 445      | 3.45        | 4.8      | 0.8     | 1.6      | 10.2     | 19       | 0.1      |
| 11DS0635  | Skookum East | 627352 | 6990325 | 5611 | 1.1      | 21.0     | 13.3     | 79       | 0.05     | 18.6     | 11.1     | 279      | 4.08        | 3.2      | 0.7     | 1.1      | 7.3      | 19       | 0.049    |
| 11DS0634  | Skookum East | 627351 | 6990377 | 5610 | 1.9      | 24.3     | 10.0     | 73       | 0.05     | 18.3     | 11.1     | 397      | 3.67        | 6.6      | 1       | 4.6      | 8.6      | 16       | 0.049    |
| 11DS0633  | Skookum East | 627347 | 6990423 | 5609 | 3.1      | 21.9     | 6.4      | 46       | 0.05     | 10.1     | 5.2      | 199      | 2.36        | 3.5      | 0.4     | 0.6      | 4.3      | 15       | 0.049    |
| 11DS0632  | Skookum East | 627351 | 6990473 | 5608 | 0.7      | 27.6     | 7.6      | 91       | 0.05     | 19.5     | 15.1     | 495      | 4.16        | 4.6      | 0.7     | 2.7      | 5.4      | 47       | 0.049    |
| 11DS0631  | Skookum East | 627351 | 6990525 | 5607 | 2.0      | 12.2     | 8.8      | 43       | 0.05     | 7.4      | 6.9      | 481      | 2.29        | 4.5      | 0.5     | 2.9      | 1.2      | 17       | 0.049    |
| 11DS0630  | Skookum East | 627145 | 6988572 | 5606 | 0.7      | 25.3     | 9.2      | 74       | 0.05     | 16.1     | 14.9     | 305      | 3.75        | 5.9      | 0.5     | 1.5      | 2.4      | 25       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0629  | Skookum East | 627147 | 6988620 | 5605 | 0.8      | 24.4     | 9.8      | 94       | 0.05     | 11.9     | 19.4     | 586      | 4.47        | 2.8      | 0.8     | 1        | 3.3      | 34       | 0.049    |
| 11DS0628  | Skookum East | 627147 | 6988667 | 5604 | 1.5      | 40.9     | 29.7     | 107      | 0.20     | 15.1     | 20       | 858      | 5.4         | 5.7      | 0.4     | 0.8      | 1.8      | 20       | 0.2      |
| 11DS0627  | Skookum East | 627148 | 6988722 | 5603 | 1.2      | 39.7     | 14.3     | 103      | 0.50     | 20.0     | 12.1     | 358      | 3.23        | 7.1      | 0.9     | 6.1      | 5.2      | 22       | 0.3      |
| 11DS0626  | Skookum East | 627146 | 6988772 | 5602 | 1.1      | 24.8     | 10.4     | 71       | 0.10     | 18.3     | 8.4      | 312      | 2.64        | 7.4      | 0.8     | 2.1      | 5.6      | 21       | 0.1      |
| 11DS0625  | Skookum East | 627147 | 6988820 | 5601 | 1.4      | 33.5     | 12.2     | 82       | 0.05     | 23.8     | 10.9     | 452      | 2.96        | 9        | 1.3     | 2.3      | 5.4      | 26       | 0.2      |
| 11DS0624  | Skookum East | 627147 | 6988872 | 5600 | 1.2      | 25.7     | 10.4     | 64       | 0.05     | 22.0     | 10.1     | 327      | 2.77        | 9.2      | 1.1     | 6.3      | 5.9      | 24       | 0.1      |
| 11DS0623  | Skookum East | 627149 | 6988920 | 5599 | 1.8      | 20.0     | 15.4     | 63       | 0.30     | 13.7     | 5.8      | 214      | 2.4         | 7.9      | 0.8     | 2.8      | 2.4      | 20       | 0.5      |
| 11DS0622  | Skookum East | 627147 | 6988971 | 5598 | 2.3      | 32.3     | 11.9     | 93       | 0.10     | 14.5     | 7.5      | 305      | 2.83        | 10.8     | 0.9     | 2.3      | 4.8      | 20       | 0.2      |
| 11DS0620  | Skookum East | 627148 | 6989024 | 5596 | 2.1      | 20.9     | 14.7     | 61       | 0.30     | 12.7     | 5.5      | 229      | 2.94        | 12.8     | 0.5     | 2.1      | 2.6      | 17       | 0.3      |
| 11DS0619  | Skookum East | 627151 | 6989068 | 5595 | 2.8      | 32.3     | 13.6     | 88       | 0.20     | 15.8     | 8.9      | 379      | 3.15        | 14.7     | 0.9     | 5.8      | 4.6      | 17       | 0.3      |
| 11DS0618  | Skookum East | 627149 | 6989121 | 5594 | 2.6      | 78.6     | 14.6     | 96       | 0.30     | 21.9     | 8.4      | 218      | 2.55        | 13.7     | 1.7     | 3.6      | 7.1      | 26       | 0.3      |
| 11DS0617  | Skookum East | 627149 | 6989171 | 5593 | 0.9      | 78.5     | 9.6      | 56       | 0.30     | 13.4     | 4.5      | 134      | 2           | 8.5      | 1.2     | 3.9      | 2        | 20       | 0.2      |
| 11DS0616  | Skookum East | 627148 | 6989222 | 5592 | 0.7      | 28.4     | 9.2      | 38       | 0.20     | 10.3     | 3        | 73       | 1.46        | 7.6      | 0.6     | 2.6      | 0.6      | 20       | 0.1      |
| 11DS0615  | Skookum East | 627148 | 6989272 | 5591 | 1.1      | 23.4     | 7.5      | 44       | 0.20     | 8.9      | 2.8      | 86       | 1.26        | 8.2      | 0.7     | 4.2      | 0.9      | 18       | 0.1      |
| 11DS0614  | Skookum East | 627149 | 6989321 | 5590 | 1.8      | 48.5     | 8.6      | 53       | 0.20     | 9.1      | 4.4      | 132      | 1.96        | 6.2      | 1       | 3.4      | 1.4      | 20       | 0.1      |
| 11DS0613  | Skookum East | 627149 | 6989370 | 5589 | 2.0      | 27.8     | 9.6      | 38       | 0.30     | 15.2     | 6.9      | 367      | 2.25        | 4.8      | 2.4     | 11.3     | 7.4      | 43       | 0.1      |
| 11DS0612  | Skookum East | 627147 | 6989422 | 5588 | 1.5      | 17.3     | 14.4     | 43       | 0.05     | 17.4     | 6.9      | 294      | 2.25        | 5.7      | 0.9     | 21.1     | 12.8     | 24       | 0.049    |
| 11DS0611  | Skookum East | 627149 | 6989469 | 5587 | 1.0      | 21.9     | 12.6     | 70       | 0.05     | 14.7     | 8.2      | 349      | 2.86        | 8.1      | 1       | 11.7     | 12.6     | 23       | 0.049    |
| 11DS0610  | Skookum East | 627150 | 6989515 | 5586 | 1.9      | 12.8     | 14.8     | 51       | 0.05     | 15.2     | 7.6      | 506      | 2.64        | 7        | 0.6     | 43.7     | 5.8      | 19       | 0.049    |
| 11DS0609  | Skookum East | 627149 | 6989567 | 5585 | 1.4      | 16.5     | 8.8      | 84       | 0.05     | 15.6     | 9        | 419      | 3.78        | 5.1      | 1       | 68.4     | 10.2     | 29       | 0.049    |
| 11DS0608  | Skookum East | 627145 | 6989616 | 5584 | 0.9      | 16.2     | 10.8     | 53       | 0.05     | 13.9     | 6.2      | 305      | 2.28        | 3.5      | 0.9     | 6.8      | 8.4      | 23       | 0.049    |
| 11DS0607  | Skookum East | 627152 | 6989669 | 5583 | 0.8      | 49.1     | 5.3      | 81       | 0.05     | 17.4     | 16.8     | 597      | 4.37        | 3        | 0.7     | 5.7      | 4.9      | 30       | 0.1      |
| 11DS0606  | Skookum East | 627145 | 6989713 | 5582 | 1.4      | 23.9     | 10.4     | 67       | 0.05     | 31.2     | 14.8     | 477      | 3.22        | 3.8      | 0.9     | 8.7      | 6.6      | 38       | 0.049    |
| 11DS0605  | Skookum East | 627150 | 6989767 | 5581 | 1.6      | 13.2     | 6.7      | 58       | 0.05     | 11.4     | 7.3      | 297      | 2.33        | 4.1      | 0.8     | 3.1      | 7.3      | 36       | 0.049    |
| 11DS0604  | Skookum East | 627146 | 6989819 | 5580 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11DS0603  | Skookum East | 627146 | 6989864 | 5579 | 1.1      | 19.6     | 8.1      | 54       | 0.05     | 19.4     | 11.1     | 317      | 2.84        | 6.1      | 0.5     | 1.8      | 5.4      | 23       | 0.049    |
| 11DS0602  | Skookum East | 627150 | 6989921 | 5578 | 0.8      | 24.4     | 6.1      | 59       | 0.05     | 17.1     | 11.8     | 358      | 2.96        | 6.1      | 0.5     | 2.1      | 3.6      | 24       | 0.049    |
| 11DS0600  | Skookum East | 627151 | 6989972 | 5576 | 1.1      | 31.0     | 5.0      | 65       | 0.20     | 13.1     | 13.4     | 475      | 3.26        | 1.5      | 1.2     | 1.8      | 3.2      | 31       | 0.2      |
| 11DS0599  | Skookum East | 627159 | 6990019 | 5575 | 1.2      | 16.9     | 7.5      | 61       | 0.10     | 16.5     | 8.7      | 296      | 2.52        | 3.4      | 1.3     | 3        | 4.5      | 40       | 0.049    |
| 11DS0598  | Skookum East | 627148 | 6990069 | 5574 | 0.6      | 33.9     | 4.1      | 55       | 0.05     | 9.0      | 8.3      | 442      | 3.21        | 2.1      | 0.9     | 0.9      | 20.8     | 11       | 0.1      |
| 11DS0597  | Skookum East | 627148 | 6990118 | 5573 | 1.3      | 31.5     | 14.7     | 64       | 0.05     | 47.1     | 12.5     | 489      | 3.04        | 5.8      | 1       | 3.5      | 11.4     | 44       | 0.049    |
| 11DS0596  | Skookum East | 627151 | 6990170 | 5572 | 2.8      | 20.9     | 7.3      | 68       | 0.05     | 20.6     | 9.5      | 282      | 3.57        | 5.5      | 0.7     | 1.4      | 7.9      | 11       | 0.1      |
| 11DS0595  | Skookum East | 627150 | 6990220 | 5571 | 4.3      | 33.8     | 10.1     | 88       | 0.05     | 23.2     | 11.3     | 636      | 3.8         | 5.9      | 0.8     | 4.8      | 7.9      | 15       | 0.1      |
| 11DS0594  | Skookum East | 627150 | 6990267 | 5570 | 0.9      | 17.9     | 7.4      | 69       | 0.05     | 19.4     | 12.3     | 422      | 3.25        | 3.4      | 0.7     | 1.2      | 13.4     | 23       | 0.049    |
| 11DS0593  | Skookum East | 627151 | 6990313 | 5569 | 0.6      | 15.6     | 5.8      | 63       | 0.05     | 17.3     | 8.8      | 313      | 3           | 3.7      | 0.4     | 1        | 10.1     | 19       | 0.049    |
| 11DS0592  | Skookum East | 627151 | 6990367 | 5568 | 0.9      | 20.7     | 6.7      | 67       | 0.05     | 16.9     | 8.3      | 286      | 3.11        | 7.8      | 0.5     | 1.3      | 10.4     | 11       | 0.049    |
| 11DS0591  | Skookum East | 627150 | 6990422 | 5567 | 0.7      | 14.1     | 7.2      | 52       | 0.05     | 18.0     | 9.5      | 269      | 2.71        | 8.3      | 0.6     | 1.6      | 8.7      | 15       | 0.1      |
| 11DS0590  | Skookum East | 627151 | 6990472 | 5566 | 0.8      | 31.6     | 7.9      | 63       | 0.05     | 26.3     | 12.4     | 511      | 3.25        | 7.4      | 0.7     | 2.1      | 5.5      | 29       | 0.049    |
| 11DS0589  | Skookum East | 627148 | 6990517 | 5565 | 0.9      | 25.4     | 9.4      | 58       | 0.05     | 25.8     | 11.7     | 426      | 3.02        | 7.6      | 0.8     | 1.7      | 8.3      | 23       | 0.049    |
| 11DS0588  | Skookum East | 626747 | 6988562 | 5564 | 1.2      | 23.1     | 6.7      | 50       | 1.30     | 12.7     | 11.7     | 449      | 2.33        | 2.9      | 1.3     | 5.9      | 1.1      | 65       | 0.2      |
| 11DS0587  | Skookum East | 626749 | 6988663 | 5563 | 0.7      | 20.7     | 7.5      | 52       | 0.60     | 11.5     | 5.7      | 135      | 1.99        | 2.6      | 0.8     | 2.7      | 1        | 42       | 0.1      |
| 11DS0586  | Skookum East | 626746 | 6988761 | 5562 | 0.8      | 21.7     | 8.4      | 66       | 0.70     | 11.7     | 9.7      | 178      | 2.42        | 3.5      | 0.7     | 2.3      | 1.8      | 21       | 0.049    |
| 11DS0585  | Skookum East | 626753 | 6988872 | 5561 | 1.2      | 24.7     | 10.5     | 74       | 0.50     | 12.2     | 11.3     | 277      | 2.75        | 4.4      | 0.7     | 0.8      | 1.8      | 25       | 0.1      |
| 11DS0584  | Skookum East | 626750 | 6988967 | 5560 | 1.7      | 36.6     | 14.6     | 96       | 0.80     | 21.2     | 11.5     | 330      | 2.85        | 6.4      | 1.2     | 3        | 3.1      | 35       | 0.4      |
| 11DS0583  | Skookum East | 626749 | 6989062 | 5559 | 2.3      | 40.4     | 17.2     | 110      | 0.70     | 11.4     | 11.5     | 302      | 3.26        | 8.1      | 1.3     | 3.3      | 4        | 22       | 0.2      |
| 11DS0582  | Skookum East | 626746 | 6989167 | 5558 | 4.1      | 74.8     | 29.6     | 187      | 0.40     | 15.5     | 14.3     | 505      | 3.51        | 8.5      | 4.4     | 47       | 5.2      | 91       | 0.7      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0580  | Skookum East | 626747 | 6989261 | 5556 | 2.0      | 25.7     | 14.0     | 55       | 0.10     | 19.2     | 7.8      | 308      | 2.4         | 5.6      | 1.7     | 36.6     | 7.5      | 27       | 0.1      |
| 11DS0579  | Skookum East | 626744 | 6989356 | 5555 | 1.7      | 25.0     | 13.7     | 67       | 0.20     | 24.3     | 14.7     | 1336     | 3.02        | 6.2      | 1.3     | 18       | 4.9      | 41       | 0.2      |
| 11DS0578  | Skookum East | 626748 | 6989461 | 5554 | 1.0      | 18.3     | 17.2     | 35       | 0.05     | 14.3     | 5.2      | 423      | 1.72        | 4        | 0.8     | 6.5      | 7.6      | 25       | 0.049    |
| 11DS0577  | Skookum East | 626751 | 6989564 | 5553 | 1.5      | 25.1     | 7.0      | 59       | 0.20     | 18.3     | 8        | 377      | 2.37        | 3.3      | 1.4     | 18.4     | 4        | 37       | 0.049    |
| 11DS0576  | Skookum East | 626748 | 6989657 | 5552 | 1.1      | 32.5     | 14.4     | 58       | 0.05     | 29.5     | 14.7     | 465      | 2.86        | 2.7      | 1.4     | 11.4     | 10.3     | 24       | 0.049    |
| 11DS0575  | Skookum East | 626751 | 6989761 | 5551 | 0.3      | 41.0     | 1.4      | 25       | 0.05     | 9.5      | 8.4      | 185      | 1.39        | 1.1      | 0.2     | 0.249    | 1.4      | 13       | 0.049    |
| 11DS0574  | Skookum East | 626749 | 6989863 | 5550 | 0.7      | 26.8     | 6.0      | 45       | 0.05     | 17.9     | 10.4     | 224      | 2.66        | 5.4      | 0.3     | 0.5      | 2        | 14       | 0.049    |
| 11DS0573  | Skookum East | 626750 | 6989963 | 5549 | 0.9      | 33.5     | 6.2      | 59       | 0.05     | 18.8     | 11.9     | 332      | 3.1         | 3.4      | 0.4     | 1.7      | 4.4      | 19       | 0.049    |
| 11DS0572  | Skookum East | 626748 | 6990064 | 5548 | 1.2      | 20.1     | 11.7     | 49       | 0.10     | 16.8     | 9.2      | 318      | 2.68        | 5.1      | 0.6     | 1.5      | 3.9      | 19       | 0.049    |
| 11DS0571  | Skookum East | 626749 | 6990163 | 5547 | 0.8      | 21.9     | 7.1      | 56       | 0.05     | 13.5     | 11.5     | 501      | 2.8         | 3.8      | 1.3     | 5.6      | 7.7      | 15       | 0.049    |
| 11DS0570  | Skookum East | 626748 | 6990260 | 5546 | 0.5      | 20.0     | 5.4      | 124      | 0.05     | 12.5     | 17.3     | 645      | 4.17        | 3.7      | 0.7     | 0.249    | 11       | 9        | 0.049    |
| 11DS0569  | Skookum East | 626749 | 6990362 | 5545 | 0.7      | 8.6      | 5.8      | 97       | 0.05     | 8.7      | 10       | 507      | 3.9         | 4.5      | 0.5     | 0.249    | 6        | 11       | 0.049    |
| 11DS0568  | Skookum East | 626750 | 6990460 | 5544 | 1.3      | 31.8     | 11.2     | 103      | 0.05     | 12.2     | 12.5     | 651      | 3.63        | 2.3      | 1.4     | 1.7      | 14       | 21       | 0.049    |
| 11DS0567  | Skookum East | 626550 | 6990459 | 5543 | 3.1      | 55.4     | 4.4      | 140      | 0.05     | 14.8     | 21.8     | 1126     | 5.48        | 1.9      | 0.9     | 0.6      | 6.4      | 20       | 0.1      |
| 11DS0566  | Skookum East | 626549 | 6990358 | 5542 | 2.8      | 46.5     | 9.8      | 86       | 0.05     | 22.6     | 14.6     | 387      | 4.14        | 7.6      | 0.6     | 23.1     | 7        | 12       | 0.1      |
| 11DS0565  | Skookum East | 626552 | 6990262 | 5541 | 1.3      | 27.3     | 8.0      | 90       | 0.05     | 71.4     | 18       | 469      | 4           | 6.8      | 0.7     | 1.8      | 7.4      | 31       | 0.2      |
| 11DS0564  | Skookum East | 626548 | 6990157 | 5540 | 2.5      | 40.1     | 8.9      | 63       | 0.05     | 54.2     | 14.2     | 352      | 3.86        | 4.6      | 0.5     | 1        | 4.2      | 14       | 0.049    |
| 11DS0563  | Skookum East | 626546 | 6990059 | 5539 | 0.8      | 35.0     | 3.7      | 59       | 0.05     | 17.8     | 15.8     | 474      | 3.29        | 4.8      | 0.3     | 0.249    | 1.3      | 19       | 0.049    |
| 11DS0562  | Skookum East | 626551 | 6989960 | 5538 | 1.5      | 17.1     | 8.8      | 53       | 0.10     | 20.6     | 8.4      | 326      | 2.82        | 7        | 0.6     | 2.9      | 4.9      | 17       | 0.049    |
| 11DS0560  | Skookum East | 626548 | 6989865 | 5536 | 1.3      | 16.6     | 7.8      | 60       | 0.05     | 16.7     | 7.5      | 297      | 2.79        | 6.6      | 0.7     | 12.7     | 8.1      | 15       | 0.049    |
| 11DS0559  | Skookum East | 626551 | 6989760 | 5535 | 2.3      | 20.1     | 16.0     | 56       | 0.05     | 12.4     | 8        | 430      | 2.26        | 3.2      | 2       | 25.7     | 5.8      | 28       | 0.049    |
| 11DS0558  | Skookum East | 626548 | 6989662 | 5534 | 1.3      | 18.7     | 8.2      | 47       | 0.05     | 16.9     | 8.7      | 361      | 2.36        | 7.7      | 0.6     | 10       | 5.2      | 16       | 0.049    |
| 11DS0557  | Skookum East | 626547 | 6989557 | 5533 | 0.8      | 43.5     | 10.3     | 84       | 0.05     | 21.2     | 16.3     | 554      | 3.24        | 3.6      | 0.6     | 7.2      | 6.8      | 19       | 0.1      |
| 11DS0556  | Skookum East | 626549 | 6989465 | 5532 | 0.7      | 14.7     | 6.7      | 44       | 0.05     | 15.3     | 5.8      | 240      | 1.88        | 3.2      | 0.6     | 18.7     | 5.8      | 17       | 0.049    |
| 11DS0555  | Skookum East | 626552 | 6989356 | 5531 | 0.9      | 21.5     | 8.4      | 49       | 0.05     | 24.8     | 10.4     | 302      | 2.49        | 6        | 1.1     | 13.5     | 8.8      | 21       | 0.049    |
| 11DS0554  | Skookum East | 626548 | 6989262 | 5530 | 1.9      | 210.9    | 11.3     | 117      | 0.05     | 7.8      | 11.4     | 805      | 5.39        | 6.3      | 2.1     | 5.6      | 13.1     | 16       | 0.4      |
| 11DS0553  | Skookum East | 626553 | 6989158 | 5529 | 2.4      | 30.3     | 9.6      | 74       | 0.30     | 10.1     | 22.8     | 1155     | 2.9         | 3.8      | 0.9     | 2.6      | 2.6      | 41       | 0.2      |
| 11DS0552  | Skookum East | 626547 | 6989063 | 5528 | 1.0      | 26.5     | 5.2      | 67       | 0.50     | 7.5      | 11.8     | 193      | 3.05        | 3.4      | 0.6     | 15.8     | 2        | 28       | 0.049    |
| 11DS0551  | Skookum East | 626550 | 6988911 | 5527 | 1.0      | 20.4     | 8.6      | 59       | 0.20     | 21.7     | 11.4     | 247      | 2.86        | 3.5      | 1       | 6.1      | 3.5      | 27       | 0.049    |
| 11DS0550  | Skookum East | 626554 | 6988808 | 5526 | 1.0      | 10.5     | 8.6      | 103      | 0.10     | 9.2      | 5.2      | 246      | 2.31        | 2.6      | 0.4     | 4.7      | 1.2      | 18       | 0.049    |
| 11DS0549  | Skookum East | 626547 | 6988713 | 5525 | 0.6      | 15.1     | 10.7     | 77       | 0.40     | 10.7     | 7.5      | 350      | 2.15        | 3.2      | 0.4     | 1.4      | 2.2      | 24       | 0.1      |
| 11DS0548  | Skookum East | 626555 | 6988601 | 5524 | 1.7      | 22.5     | 8.3      | 74       | 0.20     | 12.0     | 11.3     | 411      | 2.63        | 3.7      | 1.2     | 7.6      | 2.9      | 50       | 0.1      |
| 11DS0547  | Skookum East | 626349 | 6988605 | 5523 | 1.3      | 17.2     | 9.5      | 62       | 0.05     | 10.7     | 7.1      | 367      | 2.74        | 4        | 1.1     | 2.3      | 8.4      | 14       | 0.049    |
| 11DS0546  | Skookum East | 626344 | 6988704 | 5522 | 1.2      | 13.4     | 5.8      | 75       | 0.05     | 21.4     | 11       | 710      | 3.47        | 2.4      | 0.5     | 0.249    | 4.1      | 16       | 0.1      |
| 11DS0545  | Skookum East | 626350 | 6988799 | 5521 | 0.6      | 32.1     | 5.2      | 87       | 0.20     | 22.8     | 19.3     | 589      | 3.55        | 1.7      | 0.4     | 3.2      | 1.6      | 25       | 0.049    |
| 11DS0544  | Skookum East | 626351 | 6988902 | 5520 | 0.6      | 24.0     | 8.4      | 54       | 0.30     | 31.3     | 10.8     | 357      | 2.44        | 3.3      | 0.9     | 4.8      | 5.7      | 39       | 0.049    |
| 11DS0543  | Skookum East | 626348 | 6989000 | 5519 | 0.3      | 32.1     | 3.3      | 55       | 0.05     | 39.8     | 17.3     | 397      | 2.96        | 1.2      | 0.4     | 3        | 1.8      | 25       | 0.049    |
| 11DS0542  | Skookum East | 626349 | 6989105 | 5518 | 1.5      | 21.3     | 5.7      | 55       | 0.80     | 11.7     | 8.5      | 352      | 3.22        | 7.5      | 1       | 14.6     | 2.8      | 44       | 0.049    |
| 11DS0540  | Skookum East | 626349 | 6989205 | 5516 | 1.4      | 34.8     | 3.9      | 91       | 0.50     | 9.6      | 16.7     | 433      | 4.39        | 2.5      | 0.8     | 6.2      | 2.6      | 29       | 0.049    |
| 11DS0539  | Skookum East | 626348 | 6989304 | 5515 | 1.5      | 84.7     | 12.7     | 54       | 0.05     | 147.4    | 18.8     | 330      | 3.82        | 3.4      | 1.4     | 2.5      | 11.7     | 60       | 0.049    |
| 11DS0538  | Skookum East | 626343 | 6989407 | 5514 | 1.1      | 23.2     | 8.6      | 49       | 0.05     | 25.7     | 10.2     | 287      | 2.89        | 8.8      | 0.7     | 6.6      | 6.7      | 20       | 0.049    |
| 11DS0537  | Skookum East | 626346 | 6989503 | 5513 | 1.4      | 13.3     | 8.0      | 62       | 0.10     | 22.3     | 11.2     | 843      | 3.19        | 4.1      | 0.5     | 2.3      | 8.8      | 14       | 0.049    |
| 11DS0536  | Skookum East | 626349 | 6989604 | 5512 | 1.0      | 23.1     | 9.2      | 53       | 0.05     | 22.0     | 9.8      | 344      | 2.91        | 8.5      | 0.9     | 17.4     | 8.1      | 21       | 0.049    |
| 11DS0535  | Skookum East | 626350 | 6989703 | 5511 | 0.9      | 22.4     | 8.5      | 51       | 0.05     | 20.6     | 8.5      | 330      | 2.64        | 7.2      | 0.9     | 4.1      | 6.7      | 25       | 0.049    |
| 11DS0534  | Skookum East | 626349 | 6989803 | 5510 | 1.4      | 19.1     | 7.5      | 48       | 0.05     | 17.3     | 8.4      | 318      | 2.5         | 7.4      | 0.8     | 20.6     | 5.2      | 20       | 0.049    |
| 11DS0533  | Skookum East | 626349 | 6989901 | 5509 | 1.1      | 33.8     | 7.1      | 58       | 0.05     | 13.9     | 7.2      | 365      | 2.65        | 4.2      | 1       | 19       | 7.4      | 22       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0532  | Skookum East | 626348 | 6990005 | 5508 | 1.5      | 20.7     | 7.1      | 84       | 0.05     | 5.7      | 13.4     | 617      | 4.97        | 5.1      | 0.6     | 0.7      | 2.4      | 24       | 0.049    |
| 11DS0531  | Skookum East | 626348 | 6990101 | 5507 | 0.7      | 29.9     | 8.3      | 66       | 0.05     | 59.3     | 14.3     | 477      | 3.37        | 2.8      | 1       | 2.1      | 6.8      | 46       | 0.1      |
| 11DS0530  | Skookum East | 626351 | 6990203 | 5506 | 0.8      | 24.0     | 7.4      | 43       | 0.05     | 18.7     | 8.1      | 381      | 2.23        | 5.4      | 1.1     | 7        | 5.5      | 21       | 0.049    |
| 11DS0529  | Skookum East | 626348 | 6990303 | 5505 | 2.1      | 18.7     | 9.7      | 62       | 0.10     | 21.7     | 9.1      | 262      | 3.02        | 10.6     | 0.7     | 5.8      | 5        | 14       | 0.1      |
| 11DS0528  | Skookum East | 626350 | 6990402 | 5504 | 2.5      | 29.7     | 9.7      | 61       | 0.10     | 14.4     | 6.4      | 409      | 2.53        | 5.3      | 1.4     | 10       | 6.1      | 35       | 0.049    |
| 11DS0527  | Skookum East | 626349 | 6990504 | 5503 | 3.0      | 19.4     | 7.9      | 71       | 0.20     | 13.1     | 8.4      | 249      | 2.54        | 4.1      | 1.7     | 3.9      | 6.8      | 25       | 0.049    |
| 11DS0526  | Skookum East | 626149 | 6990300 | 5502 | 2.2      | 19.3     | 7.1      | 56       | 0.05     | 13.2     | 8.8      | 418      | 2.53        | 4.6      | 0.6     | 8.3      | 5.2      | 45       | 0.049    |
| 11DS0525  | Skookum East | 626147 | 6990397 | 5501 | 1.8      | 40.0     | 6.8      | 51       | 0.20     | 15.0     | 7.1      | 249      | 2.4         | 4.7      | 1       | 9.4      | 4.2      | 28       | 0.049    |
| 11DS0524  | Skookum East | 626152 | 6990500 | 5500 | 2.2      | 25.1     | 7.4      | 54       | 0.10     | 12.4     | 7.8      | 264      | 2.55        | 5        | 1       | 3.6      | 4.6      | 21       | 0.049    |
| 11DS0523  | Skookum East | 626250 | 6990449 | 5499 | 3.0      | 16.1     | 5.7      | 56       | 0.05     | 14.4     | 9.7      | 416      | 2.22        | 3.4      | 1.2     | 2.3      | 4.6      | 43       | 0.049    |
| 11DS0522  | Skookum East | 626251 | 6990352 | 5498 | 2.7      | 31.3     | 6.8      | 62       | 0.05     | 21.0     | 9.6      | 344      | 2.73        | 4.2      | 1       | 5        | 8.5      | 46       | 0.049    |
| 11DS0520  | Skookum East | 626253 | 6990251 | 5496 | 1.4      | 25.5     | 7.5      | 54       | 0.05     | 35.5     | 11.4     | 303      | 3.24        | 7.5      | 0.4     | 2.4      | 1.4      | 22       | 0.1      |
| 11DS0519  | Skookum East | 626249 | 6990156 | 5495 | 1.0      | 21.8     | 6.6      | 53       | 0.05     | 20.4     | 12.7     | 382      | 3.7         | 6.4      | 0.4     | 1.5      | 1.9      | 16       | 0.049    |
| 11DS0518  | Skookum East | 626250 | 6990054 | 5494 | 0.8      | 14.1     | 6.3      | 35       | 0.05     | 12.1     | 7.6      | 256      | 1.94        | 3.5      | 0.6     | 0.249    | 9        | 28       | 0.049    |
| 11DS0517  | Skookum East | 626249 | 6989951 | 5493 | 0.8      | 12.8     | 7.3      | 44       | 0.05     | 13.1     | 7.9      | 416      | 2.33        | 4.8      | 0.6     | 0.249    | 5.6      | 12       | 0.049    |
| 11DS0516  | Skookum East | 626249 | 6989852 | 5492 | 1.0      | 24.9     | 8.4      | 55       | 0.05     | 21.0     | 8.3      | 317      | 2.75        | 8.6      | 1       | 20.8     | 5.1      | 21       | 0.049    |
| 11DS0515  | Skookum East | 626248 | 6989753 | 5491 | 1.7      | 19.2     | 9.6      | 57       | 0.05     | 18.5     | 8        | 415      | 2.68        | 9.1      | 1.2     | 21.5     | 7.6      | 19       | 0.049    |
| 11DS0514  | Skookum East | 626249 | 6989654 | 5490 | 1.2      | 22.1     | 8.1      | 60       | 0.05     | 28.1     | 10.5     | 426      | 2.93        | 11       | 1       | 13       | 9        | 25       | 0.049    |
| 11DS0513  | Skookum East | 626247 | 6989556 | 5489 | 1.0      | 25.9     | 11.9     | 63       | 0.05     | 26.7     | 11.2     | 378      | 3.42        | 8.6      | 1       | 1.4      | 9        | 23       | 0.049    |
| 11DS0512  | Skookum East | 626246 | 6989454 | 5488 | 1.0      | 18.6     | 10.1     | 65       | 0.05     | 20.5     | 9.8      | 353      | 3.24        | 8.3      | 0.8     | 2.6      | 7.7      | 19       | 0.049    |
| 11DS0511  | Skookum East | 626250 | 6989350 | 5487 | 0.5      | 28.3     | 6.9      | 43       | 0.05     | 11.7     | 6.6      | 309      | 3.18        | 3.8      | 1.2     | 9        | 15.1     | 22       | 0.049    |
| 11DS0510  | Skookum East | 626247 | 6989253 | 5486 | 1.4      | 38.0     | 6.1      | 96       | 0.10     | 13.0     | 18.5     | 370      | 4.23        | 4.4      | 0.4     | 3.5      | 3.4      | 33       | 0.049    |
| 11DS0509  | Skookum East | 626247 | 6989155 | 5485 | 0.4      | 44.5     | 6.6      | 151      | 0.10     | 39.8     | 26.4     | 805      | 5.23        | 3.2      | 0.7     | 4.3      | 4.4      | 26       | 0.049    |
| 11DS0508  | Skookum East | 626251 | 6989050 | 5484 | 0.6      | 35.6     | 7.0      | 85       | 0.05     | 42.1     | 22.9     | 416      | 4.6         | 4.2      | 0.4     | 1.5      | 2.1      | 17       | 0.049    |
| 11DS0507  | Skookum East | 626248 | 6988951 | 5483 | 0.7      | 21.2     | 8.8      | 63       | 0.05     | 30.2     | 13.3     | 301      | 2.9         | 6.9      | 0.6     | 4.4      | 4        | 21       | 0.049    |
| 11DS0506  | Skookum East | 626251 | 6988853 | 5482 | 0.7      | 30.5     | 9.6      | 90       | 0.20     | 42.9     | 17.9     | 626      | 3.67        | 4.5      | 0.6     | 0.5      | 3.2      | 23       | 0.049    |
| 11DS0505  | Skookum East | 626249 | 6988755 | 5481 | 0.6      | 18.1     | 6.8      | 80       | 0.10     | 18.0     | 12.5     | 593      | 3.51        | 5        | 0.9     | 1.3      | 5.6      | 19       | 0.049    |
| 11DS0504  | Skookum East | 626250 | 6988651 | 5480 | 0.9      | 15.4     | 6.3      | 65       | 0.05     | 15.7     | 8.5      | 428      | 2.93        | 4.9      | 1.2     | 1.5      | 7.5      | 19       | 0.1      |
| 11DS0503  | Skookum East | 626248 | 6988553 | 5479 | -100.0   | -100.0   | -100.0   | -100     | -100.00  | -100.0   | -100     | -100     | -100        | -100     | -100    | -100     | -100     | -100     | -100     |
| 11DS0502  | Skookum East | 626044 | 6989543 | 5478 | 1.1      | 8.5      | 11.2     | 35       | 0.05     | 10.1     | 6.4      | 640      | 2.02        | 4.9      | 0.4     | 3.9      | 3.5      | 12       | 0.049    |
| 11DS0500  | Skookum East | 626051 | 6989648 | 5476 | 0.9      | 25.4     | 10.0     | 58       | 0.05     | 33.7     | 9.8      | 381      | 3.03        | 7.5      | 1.1     | 3.5      | 11.1     | 25       | 0.049    |
| 11DS0499  | Skookum East | 626047 | 6989748 | 5475 | 2.1      | 18.6     | 8.9      | 61       | 0.05     | 20.7     | 11.5     | 443      | 3.39        | 7.7      | 0.8     | 3.8      | 7        | 17       | 0.1      |
| 11DS0498  | Skookum East | 626049 | 6989850 | 5474 | 1.9      | 25.1     | 10.2     | 50       | 0.05     | 17.1     | 8.3      | 365      | 2.58        | 7.4      | 0.7     | 24.4     | 3.1      | 15       | 0.1      |
| 11DS0497  | Skookum East | 626050 | 6989949 | 5473 | 2.1      | 27.5     | 10.0     | 50       | 0.05     | 23.6     | 9.4      | 362      | 2.96        | 12.2     | 0.9     | 16.2     | 4.7      | 25       | 0.049    |
| 11DS0496  | Skookum East | 626050 | 6990051 | 5472 | 1.7      | 31.7     | 8.4      | 59       | 0.05     | 64.3     | 18.1     | 473      | 4.02        | 9.7      | 0.6     | 3.1      | 6.4      | 22       | 0.049    |
| 11DS0495  | Skookum East | 626049 | 6990150 | 5471 | 2.5      | 25.7     | 9.3      | 63       | 0.05     | 21.8     | 10.7     | 434      | 3.43        | 8.8      | 0.8     | 1.2      | 4.4      | 13       | 0.2      |
| 11DS0494  | Skookum East | 626049 | 6990250 | 5470 | 2.0      | 37.4     | 5.6      | 55       | 0.10     | 22.2     | 14.7     | 450      | 2.73        | 3.8      | 1.3     | 1.5      | 1.7      | 47       | 0.049    |
| 11DS0493  | Skookum East | 626053 | 6990352 | 5469 | 1.6      | 40.8     | 5.1      | 62       | 0.05     | 19.7     | 14.3     | 437      | 2.73        | 3.8      | 1       | 1.9      | 2.3      | 44       | 0.1      |
| 11DS0492  | Skookum East | 626052 | 6990451 | 5468 | 1.6      | 25.0     | 6.6      | 57       | 0.10     | 16.4     | 9.1      | 216      | 2.61        | 4.5      | 1       | 6.8      | 2.1      | 34       | 0.2      |
| 11DS0491  | Skookum East | 625950 | 6990447 | 5467 | 1.4      | 16.4     | 4.3      | 73       | 0.05     | 11.0     | 8.5      | 433      | 2.86        | 2.6      | 0.7     | 1        | 7.6      | 25       | 0.049    |
| 11DS0490  | Skookum East | 625947 | 6990348 | 5466 | 1.3      | 19.0     | 6.6      | 50       | 0.05     | 14.4     | 9.6      | 275      | 2.39        | 4.4      | 0.7     | 3.4      | 1.6      | 34       | 0.1      |
| 11DS0489  | Skookum East | 625950 | 6990250 | 5465 | 1.7      | 30.2     | 3.0      | 57       | 0.05     | 23.1     | 13.6     | 354      | 2.67        | 2.1      | 0.6     | 0.249    | 2.1      | 31       | 0.049    |
| 11DS0488  | Skookum East | 625950 | 6990152 | 5464 | 1.2      | 15.6     | 6.8      | 49       | 0.20     | 17.8     | 5.5      | 145      | 2.15        | 3.5      | 1.1     | 5.6      | 1.1      | 24       | 0.1      |
| 11DS0487  | Skookum East | 625948 | 6990051 | 5463 | 4.0      | 32.0     | 8.6      | 47       | 0.40     | 33.1     | 8.3      | 453      | 2.12        | 3.5      | 3.9     | 11.8     | 2.1      | 79       | 0.4      |
| 11DS0486  | Skookum East | 625952 | 6989949 | 5462 | 1.4      | 19.3     | 10.9     | 26       | 0.20     | 11.4     | 3.7      | 73       | 1.58        | 5.6      | 0.6     | 3.5      | 0.1      | 14       | 0.2      |
| 11DS0485  | Skookum East | 625948 | 6989849 | 5461 | 6.6      | 21.6     | 9.6      | 66       | 0.05     | 23.9     | 11.4     | 488      | 3.08        | 6.8      | 0.9     | 83.7     | 5.2      | 21       | 0.1      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0484  | Skookum East | 625948 | 6989752 | 5460 | 1.9      | 28.1     | 12.0     | 58       | 0.05     | 19.9     | 9.1      | 369      | 2.79        | 6.4      | 0.6     | 9.1      | 8.3      | 14       | 0.1      |
| 11DS0483  | Skookum East | 625949 | 6989651 | 5459 | 1.1      | 16.9     | 8.7      | 60       | 0.05     | 12.7     | 8.6      | 469      | 3.14        | 4        | 0.8     | 65.9     | 10.6     | 14       | 0.1      |
| 11DS0482  | Skookum East | 625950 | 6989550 | 5458 | 0.6      | 23.7     | 11.9     | 76       | 0.05     | 28.0     | 15.3     | 748      | 3.64        | 3.7      | 1       | 3.8      | 6.5      | 32       | 0.1      |
| 11DS0377  | Gertie       | 624376 | 6987877 | 4803 | 2.5      | 26.8     | 26.4     | 58       | 0.20     | 7.8      | 4.3      | 232      | 3.53        | 4        | 3.6     | 0.249    | 16.4     | 47       | 0.049    |
| 11DS0376  | Gertie       | 624379 | 6987775 | 4802 | 3.4      | 29.8     | 54.5     | 79       | 0.30     | 11.5     | 4.1      | 141      | 4.12        | 16.9     | 2.2     | 4.7      | 18.6     | 52       | 0.049    |
| 11DS0375  | Gertie       | 624377 | 6987682 | 4801 | 1.8      | 18.8     | 12.0     | 79       | 0.05     | 22.4     | 9.2      | 432      | 3.08        | 8.1      | 1.1     | 3.6      | 6.2      | 24       | 0.049    |
| 11DS0374  | Gertie       | 624385 | 6987571 | 4800 | 1.2      | 26.4     | 11.8     | 64       | 0.10     | 16.7     | 9.6      | 533      | 2.8         | 3.4      | 0.8     | 6.7      | 7.3      | 17       | 0.049    |
| 11DS0373  | Gertie       | 624389 | 6987477 | 4799 | 0.8      | 19.1     | 6.1      | 121      | 0.05     | 12.4     | 12.4     | 1249     | 4.6         | 3.5      | 0.7     | 0.249    | 5.8      | 13       | 0.3      |
| 11DS0372  | Gertie       | 624196 | 6987314 | 4798 | 2.3      | 40.7     | 49.1     | 139      | 0.20     | 9.9      | 8.8      | 480      | 3.35        | 28       | 3.7     | 1.8      | 14.7     | 39       | 0.2      |
| 11DS0371  | Gertie       | 624193 | 6987415 | 4797 | 0.3      | 15.2     | 2.9      | 146      | 0.05     | 10.3     | 13.9     | 808      | 3.57        | 3.7      | 0.3     | 0.249    | 1.8      | 13       | 0.049    |
| 11DS0370  | Gertie       | 624189 | 6987512 | 4796 | 0.4      | 13.7     | 2.5      | 123      | 0.05     | 6.9      | 14.3     | 760      | 2.75        | 1.6      | 0.3     | 0.249    | 2.1      | 9        | 0.049    |
| 11DS0369  | Gertie       | 624186 | 6987610 | 4795 | 1.1      | 13.4     | 4.9      | 81       | 0.05     | 10.6     | 8.5      | 616      | 3.95        | 3        | 0.6     | 0.249    | 4.6      | 14       | 0.049    |
| 11DS0368  | Gertie       | 624182 | 6987715 | 4794 | 2.3      | 12.2     | 9.8      | 52       | 0.05     | 8.8      | 7.5      | 307      | 2.4         | 7.8      | 1.1     | 0.9      | 6.9      | 11       | 0.049    |
| 11DS0367  | Gertie       | 624176 | 6987814 | 4793 | 6.1      | 22.3     | 116.7    | 82       | 0.30     | 7.4      | 2.8      | 100      | 3.11        | 30.3     | 1.6     | 3.7      | 18.7     | 25       | 0.1      |
| 11DS0366  | Gertie       | 624173 | 6987913 | 4792 | 3.2      | 25.6     | 29.7     | 68       | 0.30     | 4.0      | 3.7      | 277      | 4.72        | 12.4     | 3.8     | 0.9      | 17.1     | 67       | 0.049    |
| 11DS0365  | Gertie       | 624170 | 6988012 | 4791 | 22.6     | 10.0     | 16.6     | 37       | 0.20     | 4.4      | 6.4      | 89       | 5.61        | 86.9     | 3.2     | 4.6      | 18.9     | 111      | 0.049    |
| 11DS0364  | Gertie       | 624169 | 6988113 | 4790 | 1.7      | 18.3     | 4.9      | 84       | 0.05     | 12.8     | 13.1     | 433      | 3.67        | 4.2      | 0.6     | 11.2     | 2.5      | 16       | 0.049    |
| 11DS0363  | Gertie       | 623968 | 6988105 | 4789 | 1.3      | 11.6     | 8.2      | 61       | 0.10     | 10.5     | 7.6      | 319      | 2.33        | 5        | 1.2     | 2        | 5.8      | 24       | 0.049    |
| 11DS0362  | Gertie       | 623970 | 6988012 | 4788 | 1.9      | 9.2      | 20.1     | 43       | 0.20     | 8.2      | 5.2      | 200      | 2.63        | 11       | 2.4     | 6.5      | 10.8     | 42       | 0.049    |
| 11DS0360  | Gertie       | 623974 | 6987906 | 4786 | 5.5      | 33.3     | 132.0    | 233      | 0.80     | 13.2     | 12.5     | 374      | 4.13        | 33.5     | 2.6     | 7.7      | 16.2     | 50       | 0.3      |
| 11DS0359  | Gertie       | 623978 | 6987810 | 4785 | 2.6      | 10.8     | 23.5     | 121      | 0.40     | 16.3     | 16.7     | 1224     | 2.59        | 15.1     | 5.2     | 3.5      | 9.3      | 28       | 0.5      |
| 11DS0358  | Gertie       | 623982 | 6987707 | 4784 | 2.1      | 14.0     | 12.7     | 47       | 0.10     | 12.6     | 7.5      | 192      | 2.42        | 41.8     | 1.5     | 5.5      | 13.2     | 11       | 0.049    |
| 11DS0357  | Gertie       | 623986 | 6987609 | 4783 | 1.3      | 50.5     | 6.9      | 76       | 0.05     | 115.6    | 36.8     | 871      | 5.2         | 8.4      | 0.7     | 1        | 3.6      | 19       | 0.049    |
| 11DS0356  | Gertie       | 623988 | 6987510 | 4782 | 0.4      | 7.4      | 1.5      | 28       | 0.05     | 4.8      | 7.4      | 89       | 2.32        | 0.6      | 0.8     | 0.249    | 3.4      | 7        | 0.049    |
| 11DS0355  | Gertie       | 623994 | 6987410 | 4781 | 0.8      | 20.7     | 5.1      | 87       | 0.05     | 17.9     | 13       | 598      | 4.03        | 7.1      | 0.5     | 0.249    | 3.3      | 13       | 0.049    |
| 11DS0354  | Gertie       | 623997 | 6987308 | 4780 | 1.8      | 15.7     | 14.6     | 60       | 0.05     | 8.6      | 8.9      | 466      | 2.93        | 6.4      | 2.3     | 2        | 26.1     | 15       | 0.049    |
| 11DS0353  | Gertie       | 623996 | 6987206 | 4779 | 1.1      | 35.9     | 8.5      | 69       | 0.05     | 27.1     | 11.5     | 523      | 3.16        | 5.8      | 0.7     | 4.9      | 5.3      | 32       | 0.049    |
| 11DS0352  | Gertie       | 624492 | 6987426 | 4778 | 0.2      | 19.8     | 3.0      | 160      | 0.05     | 14.6     | 16       | 1147     | 3.99        | 2.9      | 0.4     | 3.6      | 2.3      | 15       | 0.049    |
| 11DS0351  | Gertie       | 624491 | 6987476 | 4777 | 1.1      | 23.2     | 7.4      | 57       | 0.10     | 14.5     | 11.1     | 524      | 2.62        | 4.1      | 1.4     | 8.7      | 6.5      | 24       | 0.1      |
| 11DS0350  | Gertie       | 624492 | 6987527 | 4776 | 0.2      | 65.8     | 4.2      | 49       | 0.05     | 24.9     | 21.9     | 876      | 3.83        | 1.5      | 0.3     | 5.4      | 1.2      | 17       | 0.049    |
| 11DS0349  | Gertie       | 624484 | 6987577 | 4775 | 0.4      | 45.3     | 1.5      | 66       | 0.05     | 11.0     | 16.7     | 1081     | 3.08        | 1.7      | 0.4     | 1.8      | 1.3      | 18       | 0.049    |
| 11DS0348  | Gertie       | 624484 | 6987623 | 4774 | 0.8      | 16.3     | 8.2      | 73       | 0.05     | 8.0      | 8.6      | 397      | 2.64        | 3        | 1.9     | 1.4      | 9.7      | 24       | 0.049    |
| 11DS0347  | Gertie       | 624483 | 6987672 | 4773 | 1.1      | 12.0     | 9.5      | 85       | 0.10     | 8.7      | 7.1      | 440      | 3.16        | 4.9      | 1.2     | 1.2      | 4.7      | 31       | 0.049    |
| 11DS0346  | Gertie       | 624481 | 6987728 | 4772 | 3.5      | 20.5     | 20.8     | 57       | 0.20     | 11.0     | 5.5      | 155      | 2.56        | 10.5     | 2.4     | 8        | 9.6      | 27       | 0.049    |
| 11DS0345  | Gertie       | 624478 | 6987770 | 4771 | 2.5      | 22.7     | 57.6     | 157      | 0.20     | 10.2     | 11.2     | 418      | 3.18        | 11.6     | 2.7     | 3.1      | 12.3     | 19       | 0.1      |
| 11DS0344  | Gertie       | 624479 | 6987825 | 4770 | 1.5      | 19.8     | 10.7     | 49       | 0.20     | 10.6     | 5.1      | 193      | 3.1         | 4.4      | 2       | 2.9      | 11.1     | 33       | 0.049    |
| 11DS0343  | Gertie       | 624476 | 6987870 | 4769 | 2.2      | 24.2     | 21.2     | 44       | 0.10     | 7.1      | 5.3      | 147      | 3.6         | 2.4      | 2.7     | 2.5      | 9.9      | 47       | 0.049    |
| 11DS0342  | Gertie       | 624471 | 6987926 | 4768 | 2.2      | 12.8     | 12.8     | 37       | 0.20     | 5.0      | 2.6      | 137      | 3.01        | 28.9     | 2.5     | 3.1      | 10.3     | 62       | 0.049    |
| 11DS0340  | Gertie       | 624467 | 6987976 | 4766 | 2.2      | 34.5     | 21.8     | 53       | 0.05     | 16.0     | 7        | 291      | 2.41        | 7.4      | 0.6     | 4.3      | 3.5      | 17       | 0.049    |
| 11DS0339  | Gertie       | 624470 | 6988019 | 4765 | 4.6      | 25.5     | 11.9     | 63       | 0.05     | 37.1     | 10.6     | 316      | 3.26        | 36.8     | 1.5     | 3.5      | 8.3      | 24       | 0.049    |
| 11DS0338  | Gertie       | 624466 | 6988077 | 4764 | 2.2      | 17.0     | 8.0      | 83       | 0.05     | 14.8     | 9.2      | 386      | 3.24        | 6        | 0.8     | 0.6      | 4.4      | 21       | 0.049    |
| 11DS0337  | Gertie       | 623897 | 6987256 | 4763 | 1.4      | 20.0     | 7.4      | 83       | 0.05     | 22.4     | 18.5     | 696      | 3.47        | 2.8      | 2.3     | 0.249    | 19.8     | 17       | 0.049    |
| 11DS0336  | Gertie       | 623893 | 6987303 | 4762 | 1.5      | 28.5     | 10.9     | 108      | 0.20     | 15.1     | 19.1     | 613      | 4.3         | 6.7      | 1.4     | 0.7      | 4.3      | 29       | 0.2      |
| 11DS0335  | Gertie       | 623896 | 6987352 | 4761 | 1.9      | 12.6     | 14.6     | 58       | 0.05     | 8.0      | 9.1      | 412      | 2.76        | 12.1     | 3.4     | 0.8      | 13.7     | 40       | 0.049    |
| 11DS0334  | Gertie       | 623893 | 6987404 | 4760 | 1.3      | 19.1     | 15.8     | 44       | 0.05     | 7.6      | 5.6      | 259      | 1.85        | 15.2     | 2.2     | 1.8      | 21.6     | 13       | 0.049    |
| 11DS0333  | Gertie       | 623891 | 6987452 | 4759 | 0.5      | 16.1     | 5.9      | 109      | 0.10     | 6.4      | 14.3     | 931      | 4.44        | 3.7      | 0.8     | 1.5      | 5.9      | 16       | 0.049    |

| Sample No | Area   | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0332  | Gertie | 623890 | 6987503 | 4758 | 0.6      | 10.9     | 5.6      | 121      | 0.05     | 10.1     | 16       | 872      | 4.11        | 4        | 0.4     | 0.8      | 5        | 15       | 0.049    |
| 11DS0331  | Gertie | 623887 | 6987551 | 4757 | 1.3      | 28.4     | 8.6      | 50       | 0.05     | 10.5     | 11.9     | 390      | 2.98        | 5.4      | 0.8     | 0.6      | 2.3      | 43       | 0.049    |
| 11DS0330  | Gertie | 623888 | 6987602 | 4756 | 0.4      | 43.5     | 7.5      | 74       | 0.05     | 20.9     | 19.7     | 579      | 3.83        | 2        | 0.9     | 8.7      | 4.1      | 24       | 0.049    |
| 11DS0329  | Gertie | 623884 | 6987652 | 4755 | 0.5      | 44.4     | 8.0      | 78       | 0.05     | 21.1     | 19.8     | 580      | 3.83        | 2        | 0.9     | 11.1     | 4.2      | 24       | 0.049    |
| 11DS0328  | Gertie | 623883 | 6987701 | 4754 | 2.7      | 19.7     | 13.3     | 59       | 0.20     | 6.9      | 9.9      | 430      | 2.58        | 8        | 2.1     | 173.4    | 14.8     | 15       | 0.1      |
| 11DS0327  | Gertie | 623881 | 6987749 | 4753 | 2.7      | 16.4     | 31.7     | 66       | 0.20     | 10.3     | 10.4     | 424      | 2.66        | 12.4     | 2       | 425.3    | 10.3     | 35       | 0.1      |
| 11DS0326  | Gertie | 623878 | 6987800 | 4752 | 1.4      | 14.8     | 17.3     | 57       | 0.10     | 8.6      | 7.8      | 286      | 2.81        | 7.2      | 2.6     | 2.2      | 7.7      | 32       | 0.049    |
| 11DS0325  | Gertie | 623877 | 6987849 | 4751 | 2.2      | 11.6     | 44.6     | 64       | 0.30     | 12.9     | 4.5      | 149      | 2.19        | 11.4     | 2.2     | 3.1      | 6.9      | 23       | 0.2      |
| 11DS0324  | Gertie | 623873 | 6987901 | 4750 | 2.6      | 21.0     | 120.5    | 59       | 0.80     | 15.5     | 4        | 74       | 2.19        | 18.5     | 2.2     | 13.5     | 3.1      | 39       | 0.2      |
| 11DS0323  | Gertie | 623872 | 6987952 | 4749 | 2.5      | 15.3     | 77.5     | 81       | 0.40     | 7.3      | 6.4      | 251      | 3.71        | 17.8     | 3.6     | 4        | 23.1     | 72       | 0.1      |
| 11DS0322  | Gertie | 623869 | 6988002 | 4748 | 4.2      | 20.1     | 64.3     | 97       | 0.20     | 4.7      | 5.5      | 243      | 3.67        | 19.9     | 4       | 1.8      | 19.4     | 69       | 0.049    |
| 11DS0320  | Gertie | 623866 | 6988052 | 4746 | 2.1      | 19.2     | 88.7     | 93       | 0.40     | 10.3     | 7.5      | 198      | 2.64        | 19.6     | 3.8     | 8.1      | 10.1     | 36       | 0.2      |
| 11DS0319  | Gertie | 623866 | 6988100 | 4745 | 2.0      | 13.7     | 24.8     | 85       | 0.10     | 7.9      | 11.1     | 467      | 2.76        | 8.1      | 2.1     | 2.3      | 8.7      | 28       | 0.1      |
| 11DS0318  | Gertie | 623863 | 6988152 | 4744 | 1.5      | 15.2     | 10.5     | 64       | 0.10     | 14.6     | 9.3      | 274      | 2.38        | 8        | 1.9     | 22.3     | 7        | 30       | 0.049    |
| 11DS0317  | Gertie | 623863 | 6988201 | 4743 | 2.3      | 15.7     | 20.5     | 62       | 0.20     | 11.7     | 8        | 284      | 2.93        | 8.8      | 2.6     | 1.7      | 12       | 56       | 0.049    |
| 11DS0316  | Gertie | 623692 | 6987394 | 4742 | 2.5      | 19.8     | 51.8     | 93       | 0.20     | 9.7      | 7.4      | 287      | 3.01        | 23.1     | 2.7     | 1.1      | 15.1     | 34       | 0.1      |
| 11DS0315  | Gertie | 623691 | 6987498 | 4741 | 1.5      | 16.9     | 12.5     | 63       | 0.05     | 9.5      | 9.4      | 403      | 2.75        | 6        | 2.3     | 0.249    | 22.5     | 12       | 0.049    |
| 11DS0314  | Gertie | 623685 | 6987591 | 4740 | 0.8      | 11.8     | 5.8      | 63       | 0.05     | 8.4      | 7.8      | 406      | 2.83        | 3.9      | 0.5     | 7.8      | 2.7      | 17       | 0.049    |
| 11DS0313  | Gertie | 623684 | 6987694 | 4739 | 0.8      | 15.0     | 9.2      | 61       | 0.05     | 13.5     | 9.8      | 373      | 2.61        | 6        | 0.8     | 6.7      | 6.4      | 24       | 0.049    |
| 11DS0312  | Gertie | 623679 | 6987792 | 4738 | 1.0      | 11.4     | 11.5     | 59       | 0.10     | 12.6     | 9.5      | 273      | 2.3         | 4.2      | 1.7     | 14       | 7.7      | 29       | 0.049    |
| 11DS0311  | Gertie | 623678 | 6987895 | 4737 | 13.7     | 35.1     | 260.4    | 563      | 0.40     | 6.6      | 7.9      | 293      | 6.52        | 39.6     | 4       | 18.2     | 68.3     | 16       | 0.5      |
| 11DS0310  | Gertie | 623671 | 6987993 | 4736 | 1.1      | 20.5     | 4.4      | 54       | 0.05     | 12.2     | 8        | 314      | 2.29        | 1.7      | 2.9     | 0.8      | 1        | 65       | 0.1      |
| 11DS0309  | Gertie | 623665 | 6988096 | 4735 | 0.5      | 18.6     | 7.2      | 61       | 0.05     | 15.1     | 12.2     | 549      | 2.81        | 3.7      | 0.7     | 1.7      | 3        | 22       | 0.049    |
| 11DS0308  | Gertie | 623665 | 6988145 | 4734 | 0.8      | 16.1     | 4.4      | 73       | 0.05     | 13.2     | 11.7     | 556      | 2.98        | 3.3      | 0.6     | 0.6      | 2.1      | 19       | 0.049    |
| 11DS0307  | Gertie | 623660 | 6988192 | 4733 | 1.8      | 20.5     | 7.4      | 79       | 0.05     | 16.4     | 14.1     | 1013     | 4.25        | 4.6      | 1.1     | 1.4      | 4.3      | 19       | 0.049    |
| 11DS0306  | Gertie | 623659 | 6988244 | 4732 | 4.8      | 40.9     | 34.2     | 129      | 0.40     | 21.6     | 14.7     | 691      | 4.14        | 70.6     | 1       | 2.7      | 6.1      | 13       | 0.2      |
| 11DS0305  | Gertie | 622777 | 6987709 | 4337 | 2.8      | 80.5     | 101.0    | 287      | 0.70     | 15.0     | 12.3     | 506      | 3.18        | 18.3     | 2.7     | 2.5      | 17.1     | 16       | 0.9      |
| 11DS0304  | Gertie | 622778 | 6987762 | 4336 | 1.8      | 22.3     | 14.0     | 67       | 0.10     | 8.8      | 10.8     | 566      | 2.94        | 7.2      | 2.4     | 2.9      | 13.5     | 14       | 0.049    |
| 11DS0303  | Gertie | 622776 | 6987808 | 4335 | 2.6      | 17.4     | 16.2     | 35       | 0.05     | 7.9      | 8.1      | 516      | 2.04        | 7.5      | 2.2     | 1.9      | 23.8     | 13       | 0.049    |
| 11DS0302  | Gertie | 622776 | 6987860 | 4334 | 0.9      | 48.9     | 8.4      | 50       | 0.20     | 25.8     | 9.9      | 338      | 2.24        | 10.7     | 1.3     | 2        | 8.4      | 73       | 0.049    |
| 11DS0300  | Gertie | 622775 | 6987908 | 4332 | 0.8      | 36.2     | 5.1      | 82       | 0.05     | 19.2     | 15.9     | 584      | 4.44        | 18       | 0.8     | 0.249    | 3.5      | 20       | 0.049    |
| 11DS0299  | Gertie | 622771 | 6987962 | 4331 | 0.4      | 33.3     | 3.9      | 56       | 0.05     | 38.1     | 16.9     | 356      | 3           | 2.5      | 0.4     | 2.3      | 3.1      | 30       | 0.049    |
| 11DS0298  | Gertie | 622769 | 6988010 | 4330 | 0.3      | 48.7     | 4.8      | 83       | 0.05     | 14.6     | 25.7     | 626      | 4.69        | 2.9      | 0.4     | 0.249    | 1.7      | 19       | 0.2      |
| 11DS0297  | Gertie | 622764 | 6988061 | 4329 | 0.6      | 11.6     | 9.5      | 127      | 0.05     | 6.4      | 8.7      | 433      | 3.15        | 7.8      | 0.7     | 0.249    | 2.5      | 17       | 0.049    |
| 11DS0296  | Gertie | 622763 | 6988112 | 4328 | 0.6      | 11.8     | 11.9     | 198      | 0.30     | 10.3     | 9.2      | 1020     | 2.26        | 4.5      | 0.6     | 0.6      | 3.4      | 31       | 0.8      |
| 11DS0295  | Gertie | 622762 | 6988158 | 4327 | 1.7      | 18.9     | 35.3     | 464      | 0.05     | 8.4      | 11.4     | 688      | 2.15        | 6.2      | 3.3     | 4.2      | 20.2     | 11       | 0.8      |
| 11DS0294  | Gertie | 622760 | 6988212 | 4326 | 2.8      | 22.4     | 325.1    | 125      | 0.90     | 7.8      | 5        | 198      | 4.4         | 50.4     | 4.5     | 11.3     | 21       | 49       | 0.049    |
| 11DS0293  | Gertie | 622759 | 6988260 | 4325 | 3.3      | 15.1     | 202.9    | 120      | 0.80     | 5.1      | 2.4      | 118      | 4.47        | 64.5     | 2.8     | 15.9     | 26.2     | 56       | 0.049    |
| 11DS0292  | Gertie | 622756 | 6988306 | 4324 | 3.3      | 14.2     | 54.8     | 85       | 0.10     | 6.3      | 6.2      | 323      | 3.44        | 14.3     | 1.2     | 1.4      | 13.1     | 26       | 0.3      |
| 11DS0291  | Gertie | 622755 | 6988362 | 4323 | 2.7      | 20.1     | 36.0     | 76       | 0.10     | 7.0      | 10.6     | 373      | 2.75        | 5.5      | 3.1     | 3        | 11.9     | 32       | 0.3      |
| 11DS0290  | Gertie | 622677 | 6987754 | 4322 | 2.7      | 88.4     | 133.3    | 215      | 0.70     | 9.1      | 6.3      | 236      | 3.1         | 7.3      | 4.4     | 4.9      | 16.6     | 39       | 0.4      |
| 11DS0289  | Gertie | 622677 | 6987805 | 4321 | 2.4      | 17.3     | 32.1     | 71       | 0.10     | 10.1     | 10.1     | 493      | 3.33        | 8.8      | 2.6     | 1.7      | 15.9     | 26       | 0.049    |
| 11DS0288  | Gertie | 622677 | 6987859 | 4320 | 2.0      | 19.1     | 13.9     | 52       | 0.10     | 9.6      | 10       | 630      | 2.81        | 4.7      | 2.4     | 2.4      | 18.3     | 19       | 0.049    |
| 11DS0287  | Gertie | 622671 | 6987906 | 4319 | 1.7      | 25.1     | 23.2     | 57       | 0.20     | 17.4     | 8.1      | 274      | 2.19        | 11.1     | 1.7     | 0.249    | 17.1     | 19       | 0.049    |
| 11DS0286  | Gertie | 622670 | 6987956 | 4318 | 0.6      | 30.2     | 8.7      | 54       | 0.05     | 13.3     | 12.6     | 443      | 2.47        | 5.4      | 1.2     | 0.249    | 6.8      | 62       | 0.1      |
| 11DS0285  | Gertie | 622668 | 6988006 | 4317 | 1.0      | 11.4     | 10.9     | 42       | 0.05     | 9.2      | 7.2      | 118      | 1.49        | 25.9     | 1.2     | 0.8      | 13.6     | 17       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0284  | Gertie       | 622667 | 6988055 | 4316 | 1.7      | 21.6     | 13.4     | 55       | 0.05     | 7.6      | 8.9      | 469      | 3.28        | 3.4      | 3.3     | 2.6      | 19       | 18       | 0.049    |
| 11DS0283  | Gertie       | 622665 | 6988104 | 4315 | 1.9      | 15.4     | 25.9     | 71       | 0.05     | 13.3     | 12       | 1006     | 3.1         | 9        | 1.9     | 0.249    | 14.2     | 15       | 0.049    |
| 11DS0282  | Gertie       | 622664 | 6988157 | 4314 | 3.2      | 13.4     | 17.6     | 61       | 0.20     | 8.2      | 7.5      | 301      | 3.94        | 15.1     | 3.8     | 2.3      | 13.4     | 93       | 0.049    |
| 11DS0280  | Gertie       | 622662 | 6988207 | 4312 | 1.2      | 24.1     | 37.6     | 153      | 0.20     | 17.0     | 10       | 427      | 3.31        | 11.7     | 2.8     | 3.7      | 8.7      | 29       | 0.4      |
| 11DS0279  | Gertie       | 622660 | 6988254 | 4311 | 3.1      | 20.3     | 102.0    | 169      | 0.30     | 10.0     | 10.4     | 427      | 3.51        | 17.7     | 2.5     | 4.4      | 12.5     | 25       | 0.4      |
| 11DS0278  | Gertie       | 622659 | 6988303 | 4310 | 4.1      | 27.8     | 324.1    | 208      | 0.60     | 39.0     | 14.3     | 647      | 4.28        | 27.1     | 4       | 13.3     | 20.9     | 48       | 0.4      |
| 11DS0277  | Gertie       | 622655 | 6988355 | 4309 | 1.8      | 17.7     | 18.3     | 86       | 0.20     | 13.6     | 11.5     | 487      | 2.79        | 5.6      | 2.4     | 1.3      | 7.2      | 33       | 0.2      |
| 11DS0276  | Gertie       | 622653 | 6988407 | 4308 | 1.9      | 13.4     | 19.7     | 69       | 0.10     | 6.3      | 4.8      | 259      | 2.35        | 5.3      | 2.3     | 0.7      | 10       | 22       | 0.1      |
| 11DS0275  | Skookum West | 624249 | 6988951 | 4287 | 0.8      | 16.5     | 4.7      | 75       | 0.05     | 12.5     | 11.7     | 624      | 3.91        | 3.5      | 0.7     | 2.7      | 5        | 23       | 0.049    |
| 11DS0274  | Skookum West | 624249 | 6988925 | 4286 | 1.0      | 21.3     | 8.4      | 60       | 0.10     | 16.4     | 10.5     | 438      | 3.12        | 5.5      | 0.8     | 4.6      | 4.2      | 18       | 0.1      |
| 11DS0273  | Skookum West | 624249 | 6988900 | 4285 | 1.1      | 23.6     | 7.1      | 89       | 0.05     | 8.4      | 14.1     | 846      | 5.21        | 4        | 0.7     | 1.8      | 4.8      | 13       | 0.049    |
| 11DS0272  | Skookum West | 624253 | 6988876 | 4284 | 0.8      | 18.5     | 8.0      | 72       | 0.05     | 16.1     | 10       | 419      | 3.52        | 5        | 0.7     | 1.5      | 4.2      | 17       | 0.1      |
| 11DS0271  | Skookum West | 624248 | 6988852 | 4283 | 1.0      | 16.6     | 7.6      | 60       | 0.05     | 15.1     | 9.2      | 352      | 3.36        | 5.1      | 0.6     | 5.2      | 4.3      | 17       | 0.049    |
| 11DS0270  | Skookum West | 624252 | 6988825 | 4282 | 1.0      | 10.5     | 9.6      | 67       | 0.05     | 10.8     | 10.1     | 545      | 3.56        | 4.8      | 0.6     | 1.1      | 4.7      | 16       | 0.049    |
| 11DS0269  | Skookum West | 624251 | 6988799 | 4281 | 1.3      | 17.6     | 9.1      | 59       | 0.05     | 16.8     | 9.3      | 372      | 2.93        | 6.7      | 0.7     | 2.7      | 4.6      | 16       | 0.049    |
| 11DS0268  | Skookum West | 624247 | 6988777 | 4280 | 0.7      | 15.9     | 4.4      | 84       | 0.05     | 10.8     | 12.1     | 679      | 4.13        | 3        | 0.5     | 1.4      | 5.3      | 11       | 0.1      |
| 11DS0267  | Skookum West | 624248 | 6988749 | 4279 | 0.5      | 30.9     | 6.7      | 49       | 0.05     | 45.8     | 15.9     | 390      | 2.54        | 2.2      | 0.4     | 1.6      | 2.7      | 17       | 0.1      |
| 11DS0266  | Skookum West | 624248 | 6988727 | 4278 | 1.2      | 21.5     | 11.7     | 73       | 0.10     | 16.6     | 10.7     | 531      | 3.38        | 4.9      | 0.8     | 0.6      | 5.3      | 25       | 0.049    |
| 11DS0265  | Skookum West | 624249 | 6988700 | 4277 | 0.6      | 33.6     | 8.1      | 91       | 0.05     | 16.3     | 12.1     | 541      | 3.85        | 3        | 0.7     | 0.8      | 4        | 26       | 0.2      |
| 11DS0264  | Skookum West | 624250 | 6988672 | 4276 | 0.4      | 51.1     | 6.1      | 118      | 0.05     | 12.0     | 19.2     | 596      | 4.45        | 1.7      | 0.7     | 1        | 3.1      | 23       | 0.049    |
| 11DS0263  | Skookum West | 624251 | 6988651 | 4275 | 0.4      | 10.9     | 3.3      | 90       | 0.05     | 9.3      | 10       | 662      | 4.1         | 2        | 0.6     | 0.249    | 6        | 17       | 0.049    |
| 11DS0262  | Skookum West | 624250 | 6988623 | 4274 | 0.9      | 28.7     | 10.3     | 80       | 0.10     | 19.1     | 14.2     | 735      | 3.76        | 4.2      | 1       | 3.5      | 3.6      | 29       | 0.049    |
| 11DS0260  | Skookum West | 624251 | 6988599 | 4272 | 0.8      | 26.5     | 9.2      | 85       | 0.05     | 18.6     | 12.3     | 641      | 3.6         | 7.1      | 0.9     | 0.249    | 4.8      | 30       | 0.1      |
| 11DS0259  | Skookum West | 624249 | 6988576 | 4271 | 0.4      | 17.2     | 4.0      | 111      | 0.05     | 3.6      | 9.2      | 715      | 3.87        | 1.2      | 0.6     | 0.7      | 3.4      | 38       | 0.049    |
| 11DS0258  | Skookum West | 624249 | 6988553 | 4270 | 0.3      | 14.1     | 5.2      | 109      | 0.05     | 10.4     | 21.4     | 686      | 5.11        | 2.6      | 0.7     | 1.4      | 5.4      | 31       | 0.1      |
| 11DS0257  | Skookum West | 624250 | 6988526 | 4269 | 1.0      | 10.8     | 11.3     | 89       | 0.05     | 14.1     | 8.6      | 449      | 2.84        | 4.6      | 0.7     | 0.249    | 3.4      | 31       | 0.1      |
| 11DS0256  | Skookum West | 624247 | 6988498 | 4268 | 0.7      | 15.4     | 7.9      | 77       | 0.05     | 14.6     | 11.4     | 471      | 3.63        | 5.4      | 0.8     | 5.9      | 4.6      | 25       | 0.1      |
| 11DS0255  | Skookum West | 624152 | 6988827 | 4180 | 0.4      | 37.5     | 8.8      | 73       | 0.05     | 14.6     | 11.6     | 401      | 3.21        | 3.9      | 0.7     | 1.6      | 4.1      | 13       | 0.2      |
| 11DS0254  | Skookum West | 624150 | 6988801 | 4179 | 0.8      | 30.0     | 9.6      | 96       | 0.05     | 8.9      | 9.6      | 709      | 4.48        | 1.6      | 0.8     | 0.7      | 5        | 14       | 0.1      |
| 11DS0253  | Skookum West | 624148 | 6988774 | 4178 | 0.4      | 32.0     | 4.8      | 73       | 0.05     | 23.1     | 14.1     | 422      | 3.61        | 2.3      | 0.3     | 0.249    | 1.6      | 16       | 0.2      |
| 11DS0252  | Skookum West | 624148 | 6988752 | 4177 | 0.5      | 40.6     | 4.4      | 89       | 0.05     | 10.7     | 14.8     | 592      | 3.63        | 1.8      | 0.4     | 1.1      | 2.5      | 9        | 0.049    |
| 11DS0251  | Skookum West | 624148 | 6988724 | 4176 | 1.1      | 30.8     | 8.8      | 76       | 0.05     | 27.0     | 19.2     | 1119     | 4.35        | 4        | 0.4     | 31.6     | 1.5      | 20       | 0.3      |
| 11DS0250  | Skookum West | 624150 | 6988703 | 4175 | 1.1      | 12.7     | 7.1      | 47       | 0.10     | 10.0     | 4.8      | 218      | 2.26        | 3.6      | 0.4     | 0.249    | 2.7      | 17       | 0.2      |
| 11DS0249  | Skookum West | 624149 | 6988675 | 4174 | 0.9      | 16.0     | 5.8      | 70       | 0.05     | 11.2     | 11.6     | 502      | 3.26        | 3.2      | 0.5     | 0.6      | 3.2      | 15       | 0.049    |
| 11DS0248  | Skookum West | 624149 | 6988653 | 4173 | 0.6      | 22.0     | 5.9      | 105      | 0.05     | 9.9      | 12.6     | 455      | 4.46        | 3.3      | 0.6     | 0.8      | 2.9      | 35       | 0.049    |
| 11DS0247  | Skookum West | 624146 | 6988621 | 4172 | 0.4      | 31.6     | 5.0      | 103      | 0.05     | 15.6     | 16       | 510      | 4.37        | 4.1      | 0.6     | 1.7      | 1.7      | 34       | 0.1      |
| 11DS0246  | Skookum West | 624150 | 6988598 | 4171 | 0.6      | 22.8     | 4.9      | 90       | 0.05     | 8.9      | 12.8     | 536      | 3.56        | 1.9      | 0.7     | 1.1      | 3.9      | 45       | 0.1      |
| 11DS0245  | Skookum West | 624150 | 6988571 | 4170 | 0.9      | 24.8     | 7.9      | 72       | 0.20     | 17.3     | 11.8     | 486      | 3.28        | 4.6      | 0.9     | 2.9      | 3.2      | 28       | 0.049    |
| 11DS0244  | Skookum West | 624151 | 6988549 | 4169 | 1.0      | 20.2     | 7.9      | 82       | 0.10     | 24.6     | 14.5     | 564      | 3.18        | 4.8      | 0.9     | 1.9      | 3.1      | 36       | 0.2      |
| 11DS0243  | Skookum West | 624149 | 6988527 | 4168 | 0.7      | 16.3     | 7.1      | 88       | 0.05     | 12.9     | 10.4     | 411      | 2.78        | 3.3      | 0.6     | 2        | 2.6      | 36       | 0.2      |
| 11DS0242  | Skookum West | 624149 | 6988500 | 4167 | 0.6      | 11.9     | 8.1      | 109      | 0.05     | 10.0     | 11.6     | 692      | 4.07        | 1        | 0.4     | 0.9      | 2        | 21       | 0.049    |
| 11DS0240  | Skookum West | 624098 | 6988495 | 4165 | 0.7      | 19.0     | 5.5      | 87       | 0.05     | 18.7     | 13.1     | 540      | 3.29        | 3.1      | 0.5     | 1.9      | 2.9      | 30       | 0.1      |
| 11DS0239  | Skookum West | 624098 | 6988524 | 4164 | 0.3      | 12.3     | 6.0      | 83       | 0.05     | 8.3      | 10.2     | 375      | 2.38        | 1.3      | 0.4     | 0.249    | 1.2      | 34       | 0.049    |
| 11DS0238  | Skookum West | 624100 | 6988547 | 4163 | 0.8      | 19.1     | 7.9      | 76       | 0.10     | 18.8     | 13       | 694      | 2.59        | 4.1      | 0.8     | 1.4      | 1.8      | 47       | 0.2      |
| 11DS0237  | Skookum West | 624099 | 6988573 | 4162 | 0.9      | 28.8     | 6.5      | 101      | 0.10     | 12.4     | 12.9     | 588      | 4.03        | 4.8      | 0.9     | 1.7      | 4.5      | 37       | 0.049    |
| 11DS0236  | Skookum West | 624102 | 6988600 | 4161 | 0.7      | 34.5     | 4.5      | 100      | 0.05     | 29.9     | 25       | 554      | 4.72        | 12.4     | 0.8     | 2.1      | 2        | 41       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0235  | Skookum West | 624099 | 6988623 | 4160 | 1.1      | 47.4     | 7.8      | 99       | 0.05     | 16.1     | 17.6     | 698      | 4.13        | 3.2      | 0.4     | 7        | 1        | 29       | 0.1      |
| 11DS0234  | Skookum West | 624098 | 6988647 | 4159 | 0.8      | 27.4     | 6.1      | 86       | 0.20     | 14.7     | 11.2     | 475      | 3.44        | 4.2      | 0.9     | 5.6      | 3.1      | 32       | 0.2      |
| 11DS0233  | Skookum West | 624096 | 6988672 | 4158 | 0.7      | 27.1     | 2.9      | 126      | 0.05     | 9.8      | 19.8     | 740      | 4.88        | 1        | 0.6     | 0.9      | 4.1      | 15       | 0.049    |
| 11DS0232  | Skookum West | 624096 | 6988699 | 4574 | 0.7      | 56.4     | 3.5      | 109      | 0.05     | 35.5     | 23.9     | 755      | 5.02        | 2        | 0.7     | 1.9      | 3        | 17       | 0.049    |
| 11DS0231  | Skookum West | 624098 | 6988747 | 4573 | 0.8      | 28.2     | 7.3      | 69       | 0.10     | 23.6     | 11.7     | 505      | 2.88        | 4.2      | 0.6     | 3.5      | 2.5      | 26       | 0.1      |
| 11DS0230  | Skookum West | 624101 | 6988798 | 4572 | 1.1      | 23.1     | 5.1      | 93       | 0.20     | 12.7     | 12       | 827      | 3.59        | 3.3      | 1       | 6.6      | 4.5      | 23       | 0.2      |
| 11DS0229  | Skookum West | 624097 | 6988846 | 4571 | 1.1      | 23.1     | 6.5      | 91       | 0.10     | 16.1     | 12.3     | 500      | 3.28        | 2.9      | 1.1     | 19       | 4.5      | 22       | 0.2      |
| 11DS0228  | Skookum West | 624095 | 6988897 | 4570 | 1.2      | 25.9     | 6.8      | 92       | 0.20     | 18.9     | 12.1     | 654      | 3.67        | 3.7      | 1       | 27.2     | 4.4      | 25       | 0.2      |
| 11DS0227  | Skookum West | 624099 | 6988949 | 4569 | 1.2      | 26.7     | 8.7      | 94       | 0.30     | 19.7     | 13.4     | 738      | 3.6         | 4.1      | 1       | 17.5     | 3.6      | 27       | 0.3      |
| 11DS0226  | Skookum West | 624047 | 6989027 | 4568 | 1.2      | 21.7     | 4.2      | 136      | 0.05     | 13.5     | 15.7     | 763      | 3.54        | 2.1      | 1.1     | 15       | 6.1      | 14       | 0.049    |
| 11DS0225  | Skookum West | 624051 | 6988975 | 4567 | 1.1      | 22.2     | 7.4      | 86       | 0.05     | 18.6     | 12.3     | 600      | 3.17        | 4.5      | 0.7     | 11.3     | 4.7      | 21       | 0.049    |
| 11DS0224  | Skookum West | 624051 | 6988928 | 4566 | 0.8      | 19.7     | 4.9      | 85       | 0.20     | 14.5     | 8.9      | 610      | 2.86        | 3.1      | 0.6     | 6        | 2.8      | 22       | 0.2      |
| 11DS0223  | Skookum West | 624054 | 6988872 | 4565 | 0.9      | 25.7     | 6.0      | 87       | 0.20     | 17.9     | 11.6     | 793      | 3.06        | 2.1      | 0.9     | 36.2     | 3.2      | 22       | 0.2      |
| 11DS0222  | Skookum West | 624049 | 6988824 | 4564 | 0.7      | 34.9     | 6.2      | 80       | 0.40     | 23.4     | 9.5      | 424      | 2.61        | 2.2      | 1.4     | 9.2      | 1.8      | 37       | 0.4      |
| 11DS0220  | Skookum West | 624052 | 6988776 | 4562 | 0.7      | 39.6     | 7.2      | 81       | 0.50     | 27.8     | 12.1     | 547      | 2.73        | 3        | 1.8     | 9.8      | 1.6      | 41       | 0.3      |
| 11DS0219  | Skookum West | 624050 | 6988728 | 4561 | 1.0      | 23.6     | 4.0      | 71       | 0.10     | 9.9      | 8.7      | 712      | 2.91        | 2.3      | 0.8     | 8.6      | 4.3      | 14       | 0.1      |
| 11DS0218  | Skookum West | 624048 | 6988676 | 4560 | 1.4      | 27.7     | 6.4      | 69       | 0.05     | 19.0     | 11.8     | 525      | 3.2         | 6.4      | 0.7     | 9.5      | 3.6      | 23       | 0.049    |
| 11DS0217  | Skookum West | 624047 | 6988628 | 4559 | 1.4      | 32.5     | 5.9      | 108      | 0.05     | 10.5     | 14.8     | 553      | 4.36        | 4.5      | 0.7     | 2.2      | 2.1      | 28       | 0.049    |
| 11DS0216  | Skookum West | 624049 | 6988572 | 4558 | 1.0      | 33.6     | 5.9      | 86       | 0.10     | 13.3     | 14.1     | 567      | 3.61        | 5        | 0.7     | 16.3     | 2.1      | 39       | 0.1      |
| 11DS0215  | Skookum West | 624049 | 6988523 | 4557 | 0.7      | 34.2     | 7.0      | 85       | 0.05     | 13.0     | 12.9     | 310      | 2.81        | 3.7      | 0.5     | 2.8      | 2.9      | 40       | 0.1      |
| 11DS0214  | Skookum West | 624000 | 6988625 | 4556 | 1.4      | 28.9     | 6.4      | 92       | 0.10     | 14.6     | 14.7     | 576      | 4.03        | 4.5      | 0.6     | 7.4      | 2.8      | 28       | 0.1      |
| 11DS0213  | Skookum West | 623998 | 6988676 | 4555 | 0.8      | 25.9     | 5.8      | 133      | 0.05     | 11.4     | 22.2     | 710      | 5.8         | 3.3      | 0.4     | 0.249    | 1.8      | 17       | 0.049    |
| 11DS0212  | Skookum West | 624001 | 6988773 | 4554 | 1.5      | 25.2     | 8.1      | 84       | 0.05     | 17.7     | 13.8     | 634      | 3.46        | 5        | 0.7     | 6.8      | 3.4      | 22       | 0.1      |
| 11DS0210  | Skookum West | 623998 | 6988974 | 4553 | 0.7      | 12.9     | 4.5      | 75       | 0.05     | 15.5     | 9.7      | 299      | 2.89        | 3.3      | 0.9     | 4.9      | 5.7      | 16       | 0.049    |
| 11DS0209  | Skookum West | 624100 | 6989448 | 4552 | 5.8      | 25.9     | 10.2     | 81       | 0.30     | 77.1     | 26.9     | 1775     | 4.45        | 4.7      | 1.4     | 23.9     | 3.4      | 54       | 0.2      |
| 11DS0208  | Skookum West | 624100 | 6989498 | 4551 | 1.8      | 14.7     | 8.2      | 90       | 0.10     | 38.7     | 13.6     | 492      | 2.93        | 2.5      | 1.2     | 48.6     | 3.5      | 47       | 0.2      |
| 11DS0207  | Skookum West | 623999 | 6989025 | 4550 | 0.5      | 27.2     | 6.4      | 75       | 0.05     | 16.0     | 10       | 428      | 2.61        | 3.5      | 0.8     | 7.9      | 5.5      | 19       | 0.049    |
| 11DS0206  | Skookum West | 624001 | 6989121 | 4549 | 2.4      | 146.0    | 7.3      | 117      | 0.10     | 10.4     | 16.2     | 673      | 4.34        | 3        | 0.7     | 24.7     | 3.5      | 25       | 0.049    |
| 11DS0205  | Skookum West | 623999 | 6989222 | 4548 | 0.8      | 24.6     | 5.2      | 131      | 0.05     | 15.9     | 17.7     | 959      | 4.6         | 2.9      | 0.6     | 47       | 3        | 27       | 0.049    |
| 11DS0204  | Skookum West | 623999 | 6989249 | 4547 | 1.0      | 68.5     | 7.8      | 100      | 0.05     | 19.9     | 16.4     | 762      | 4.21        | 6.1      | 1       | 271.5    | 3.8      | 23       | 0.049    |
| 11DS0203  | Skookum West | 623999 | 6989276 | 4546 | 1.0      | 20.8     | 11.2     | 66       | 0.20     | 22.9     | 10.7     | 277      | 2.95        | 9.5      | 0.6     | 3.6      | 4        | 14       | 0.2      |
| 11DS0202  | Skookum West | 623997 | 6989297 | 4545 | 1.8      | 23.6     | 13.0     | 75       | 0.05     | 16.8     | 9.5      | 498      | 3.09        | 5.4      | 0.7     | 5.3      | 3.7      | 14       | 0.1      |
| 11DS0200  | Skookum West | 623999 | 6989325 | 4543 | 3.5      | 14.5     | 10.7     | 68       | 0.05     | 15.0     | 8.6      | 310      | 3.33        | 4.1      | 0.5     | 3.4      | 3.6      | 13       | 0.1      |
| 11DS0199  | Skookum West | 623996 | 6989347 | 4542 | 3.4      | 13.0     | 10.3     | 75       | 0.10     | 21.4     | 9.5      | 252      | 3.49        | 7        | 0.5     | 31.8     | 3.2      | 13       | 0.049    |
| 11DS0198  | Skookum West | 623999 | 6989373 | 4541 | 9.7      | 12.8     | 10.4     | 83       | 0.20     | 15.1     | 8.6      | 1015     | 3.48        | 3.9      | 0.6     | 236.4    | 2.1      | 12       | 0.049    |
| 11DS0197  | Skookum West | 624002 | 6989400 | 4540 | 3.7      | 7.2      | 8.5      | 36       | 0.40     | 11.8     | 3.8      | 74       | 1.27        | 2.8      | 0.5     | 148.1    | 2.6      | 22       | 0.049    |
| 11DS0196  | Skookum West | 623999 | 6989421 | 4539 | 4.3      | 17.2     | 8.7      | 84       | 0.20     | 28.5     | 14.6     | 309      | 3.36        | 3.5      | 0.6     | 32       | 2.8      | 32       | 0.049    |
| 11DS0195  | Skookum West | 624001 | 6989449 | 4538 | 3.3      | 19.1     | 8.1      | 82       | 0.10     | 17.1     | 12.3     | 296      | 3.3         | 3.3      | 0.7     | 50.8     | 2.3      | 27       | 0.1      |
| 11DS0194  | Skookum West | 623997 | 6989473 | 4537 | 5.7      | 15.9     | 9.2      | 68       | 0.20     | 15.6     | 9.6      | 238      | 3.19        | 4.8      | 0.6     | 26.8     | 1.3      | 26       | 0.049    |
| 11DS0193  | Skookum West | 623999 | 6989500 | 4536 | 4.3      | 12.0     | 5.9      | 78       | 0.20     | 13.7     | 12.8     | 313      | 3.24        | 3.1      | 0.3     | 11       | 1.4      | 20       | 0.049    |
| 11DS0192  | Skookum West | 623800 | 6989275 | 4535 | 0.5      | 19.4     | 2.9      | 195      | 0.05     | 15.8     | 24.7     | 1215     | 3.98        | 3        | 0.6     | 6.4      | 3.3      | 29       | 0.049    |
| 11DS0191  | Skookum West | 623797 | 6989327 | 4534 | 0.6      | 20.2     | 4.9      | 134      | 0.05     | 33.3     | 24.5     | 1434     | 5.04        | 2.6      | 0.3     | 4.9      | 1.8      | 47       | 0.049    |
| 11DS0190  | Skookum West | 623798 | 6989353 | 4533 | 0.9      | 13.9     | 8.1      | 68       | 0.05     | 24.7     | 10.9     | 407      | 3.23        | 5.1      | 0.4     | 1.4      | 2.3      | 15       | 0.1      |
| 11DS0189  | Skookum West | 623801 | 6989377 | 4532 | 1.3      | 22.1     | 10.5     | 85       | 0.20     | 22.2     | 13       | 614      | 3.59        | 5.7      | 0.4     | 3.7      | 1.9      | 19       | 0.049    |
| 11DS0188  | Skookum West | 623798 | 6989395 | 4531 | 0.7      | 26.9     | 6.4      | 97       | 0.20     | 22.1     | 13.8     | 739      | 3.54        | 3.7      | 0.7     | 9.2      | 2.7      | 37       | 0.1      |
| 11DS0187  | Skookum West | 623800 | 6989422 | 4530 | 0.5      | 21.8     | 6.8      | 117      | 0.05     | 19.1     | 15.1     | 951      | 3.78        | 4        | 0.7     | 21.9     | 3.7      | 28       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0186  | Skookum West | 623899 | 6988603 | 4529 | 0.5      | 23.1     | 7.4      | 78       | 0.05     | 9.3      | 7.9      | 324      | 2.61        | 2.7      | 0.4     | 1.4      | 2.6      | 25       | 0.049    |
| 11DS0185  | Skookum West | 623898 | 6988574 | 4528 | 0.7      | 8.3      | 7.7      | 89       | 0.05     | 10.5     | 6.5      | 298      | 2.24        | 4.3      | 0.4     | 0.8      | 1.9      | 25       | 0.049    |
| 11DS0184  | Skookum West | 623900 | 6988552 | 4527 | 0.3      | 11.7     | 7.9      | 80       | 0.05     | 6.9      | 7.9      | 353      | 2.16        | 2.4      | 0.5     | 3.3      | 1.5      | 28       | 0.049    |
| 11DS0183  | Skookum West | 623901 | 6988527 | 4526 | 0.8      | 27.7     | 11.0     | 81       | 0.05     | 11.3     | 15.3     | 486      | 3.35        | 2.9      | 0.5     | 3.8      | 2.2      | 38       | 0.049    |
| 11DS0182  | Skookum West | 623900 | 6988503 | 4525 | 1.2      | 28.2     | 9.3      | 76       | 0.05     | 13.5     | 15.1     | 512      | 3.35        | 3.5      | 0.7     | 3.8      | 2.7      | 35       | 0.049    |
| 11DS0180  | Skookum West | 623797 | 6988523 | 4523 | 1.0      | 19.8     | 9.6      | 135      | 0.05     | 10.3     | 24.6     | 1370     | 4.84        | 3.1      | 0.9     | 7.9      | 6.7      | 20       | 0.049    |
| 11DS0179  | Skookum West | 623797 | 6988573 | 4522 | 0.6      | 22.4     | 6.2      | 127      | 0.05     | 80.0     | 30.4     | 883      | 4.61        | 2.1      | 0.3     | 2.1      | 1.2      | 30       | 0.1      |
| 11DS0178  | Skookum West | 623799 | 6988624 | 4521 | 0.5      | 17.6     | 9.7      | 78       | 0.05     | 10.8     | 9.9      | 436      | 2.56        | 3.5      | 0.5     | 4.5      | 2.2      | 44       | 0.049    |
| 11DS0177  | Skookum West | 623800 | 6988676 | 4520 | 0.6      | 47.4     | 6.2      | 100      | 0.05     | 13.1     | 22.8     | 690      | 4.75        | 2.9      | 0.4     | 1.6      | 1.1      | 56       | 0.049    |
| 11DS0176  | Skookum West | 623797 | 6988724 | 4519 | 1.7      | 44.1     | 6.6      | 120      | 0.05     | 5.3      | 12.1     | 914      | 4.57        | 15.1     | 0.3     | 3        | 0.6      | 29       | 0.1      |
| 11DS0175  | Skookum West | 623797 | 6988772 | 4518 | 1.2      | 11.9     | 5.1      | 95       | 0.05     | 7.1      | 14.7     | 774      | 4.74        | 2.2      | 0.4     | 7.1      | 3        | 17       | 0.049    |
| 11DS0174  | Skookum West | 623796 | 6988824 | 4517 | 3.7      | 22.2     | 19.1     | 104      | 0.05     | 12.1     | 9        | 412      | 3.28        | 5.2      | 1.3     | 56.3     | 6.6      | 17       | 0.3      |
| 11DS0173  | Skookum West | 623799 | 6988877 | 4516 | 3.8      | 24.4     | 11.7     | 77       | 0.05     | 16.9     | 9.9      | 489      | 2.53        | 4.6      | 0.8     | 39.3     | 4.5      | 16       | 0.049    |
| 11DS0172  | Skookum West | 623798 | 6988924 | 4515 | 1.4      | 62.0     | 17.2     | 126      | 0.05     | 31.0     | 28.2     | 863      | 5.76        | 2.6      | 0.4     | 4.7      | 1.9      | 36       | 0.049    |
| 11DS0171  | Skookum West | 623798 | 6988974 | 4514 | 2.3      | 38.5     | 6.9      | 96       | 0.05     | 32.2     | 14.4     | 759      | 4.08        | 1.6      | 0.7     | 10       | 1.3      | 28       | 0.049    |
| 11DS0170  | Skookum West | 623799 | 6989023 | 4513 | 0.7      | 17.1     | 4.8      | 93       | 0.05     | 17.8     | 13.1     | 526      | 3.59        | 3.1      | 0.9     | 9.6      | 5.3      | 14       | 0.049    |
| 11DS0169  | Skookum West | 623800 | 6989073 | 4512 | 0.2      | 41.9     | 22.4     | 85       | 0.05     | 63.5     | 18.9     | 578      | 3.49        | 1.7      | 1.2     | 2.6      | 12.4     | 77       | 0.049    |
| 11DS0168  | Skookum West | 623800 | 6989127 | 4511 | 0.8      | 15.1     | 6.9      | 69       | 0.05     | 18.5     | 10.2     | 497      | 3.15        | 6.9      | 0.6     | 3.3      | 3.5      | 12       | 0.049    |
| 11DS0167  | Skookum West | 623798 | 6989177 | 4510 | 0.9      | 10.7     | 7.7      | 69       | 0.20     | 10.9     | 9.1      | 342      | 3.06        | 5.3      | 0.4     | 2.3      | 2.4      | 12       | 0.049    |
| 11DS0166  | Skookum West | 623799 | 6989224 | 4509 | 1.0      | 22.8     | 9.7      | 56       | 0.05     | 23.8     | 10.8     | 302      | 2.85        | 10.6     | 0.8     | 3.4      | 4        | 15       | 0.2      |
| 11DS0165  | Skookum West | 623801 | 6989449 | 4508 | 0.5      | 10.6     | 5.6      | 107      | 0.05     | 15.6     | 12.6     | 701      | 3.05        | 3.7      | 0.5     | 5.8      | 2.9      | 27       | 0.1      |
| 11DS0164  | Skookum West | 623799 | 6989477 | 4507 | 0.7      | 13.9     | 6.4      | 98       | 0.05     | 19.3     | 13.4     | 600      | 3.48        | 5.1      | 0.5     | 3.2      | 2.5      | 26       | 0.1      |
| 11DS0163  | Skookum West | 623800 | 6989501 | 4506 | 0.6      | 13.8     | 5.5      | 106      | 0.05     | 16.7     | 18.5     | 645      | 4.08        | 4.3      | 0.4     | 4.2      | 2.2      | 23       | 0.1      |
| 11DS0162  | Skookum West | 623697 | 6988516 | 4122 | 0.9      | 11.2     | 7.7      | 67       | 0.05     | 11.9     | 9.4      | 799      | 3.29        | 3.5      | 0.2     | 2.6      | 1.2      | 26       | 0.3      |
| 11DS0160  | Skookum West | 623700 | 6988573 | 4120 | 2.7      | 84.6     | 6.2      | 55       | 0.05     | 14.0     | 20.1     | 188      | 4.18        | 2        | 0.9     | 24.1     | 4.4      | 8        | 0.049    |
| 11DS0159  | Skookum West | 623700 | 6988626 | 4119 | 0.5      | 20.3     | 6.9      | 89       | 0.05     | 16.6     | 20.6     | 667      | 3.82        | 4.2      | 0.4     | 0.249    | 1.7      | 27       | 0.049    |
| 11DS0158  | Skookum West | 623699 | 6988677 | 4118 | 0.7      | 11.0     | 8.9      | 70       | 0.05     | 4.8      | 4.9      | 161      | 1.56        | 2.2      | 0.3     | 2.3      | 1.7      | 13       | 0.049    |
| 11DS0157  | Skookum West | 623699 | 6988724 | 4117 | 0.6      | 28.8     | 8.3      | 80       | 0.05     | 13.2     | 11.7     | 630      | 3.5         | 2.9      | 0.5     | 3.9      | 6.3      | 24       | 0.049    |
| 11DS0156  | Skookum West | 623697 | 6988774 | 4116 | 0.5      | 28.8     | 4.2      | 106      | 0.05     | 7.2      | 15.9     | 504      | 4.49        | 2.2      | 0.3     | 0.249    | 1        | 24       | 0.049    |
| 11DS0155  | Skookum West | 623699 | 6988824 | 4115 | 2.2      | 31.6     | 6.3      | 108      | 0.05     | 12.5     | 14.5     | 1029     | 4.75        | 2.2      | 0.7     | 8        | 3.9      | 38       | 0.049    |
| 11DS0154  | Skookum West | 623701 | 6988851 | 4114 | 19.0     | 22.7     | 18.2     | 82       | 0.20     | 11.6     | 10.2     | 553      | 3.55        | 3        | 0.9     | 268.5    | 5.9      | 21       | 0.049    |
| 11DS0153  | Skookum West | 623697 | 6988873 | 4113 | 1.0      | 22.6     | 6.3      | 68       | 0.05     | 13.9     | 9.6      | 371      | 3.33        | 3.3      | 0.8     | 35.8     | 4.6      | 18       | 0.049    |
| 11DS0152  | Skookum West | 623696 | 6988924 | 4112 | 0.8      | 17.8     | 4.0      | 83       | 0.05     | 7.8      | 9.6      | 487      | 3.8         | 2.2      | 0.5     | 2.6      | 3.9      | 9        | 0.049    |
| 11DS0151  | Skookum West | 623699 | 6988970 | 4111 | 0.5      | 19.3     | 5.2      | 93       | 0.05     | 15.0     | 13.2     | 555      | 3.67        | 1.6      | 0.5     | 2.8      | 4.3      | 31       | 0.049    |
| 11DS0150  | Skookum West | 623698 | 6989024 | 4110 | 0.9      | 36.6     | 19.2     | 65       | 0.10     | 48.5     | 14.1     | 544      | 3.14        | 3.9      | 0.9     | 2.1      | 8        | 43       | 0.049    |
| 11DS0149  | Skookum West | 623699 | 6989076 | 4109 | 1.7      | 25.7     | 9.4      | 88       | 0.05     | 20.0     | 10       | 403      | 3.42        | 5.4      | 0.6     | 13.8     | 5.8      | 14       | 0.049    |
| 11DS0148  | Skookum West | 623698 | 6989124 | 4108 | 1.1      | 11.2     | 7.8      | 70       | 0.05     | 12.8     | 7.2      | 507      | 2.31        | 4.1      | 0.7     | 16.6     | 3.5      | 14       | 0.1      |
| 11DS0147  | Skookum West | 623701 | 6989173 | 4107 | 0.5      | 152.3    | 2.7      | 127      | 0.05     | 10.2     | 11.9     | 696      | 2.49        | 1.9      | 1.1     | 6.3      | 6.1      | 16       | 0.049    |
| 11DS0146  | Skookum West | 623701 | 6989226 | 4106 | 0.6      | 14.0     | 3.2      | 85       | 0.05     | 11.7     | 9.6      | 393      | 2.25        | 3.1      | 0.6     | 1.8      | 5.2      | 11       | 0.049    |
| 11DS0145  | Skookum West | 623698 | 6989274 | 4105 | 1.1      | 15.6     | 8.9      | 60       | 0.05     | 21.4     | 8.5      | 275      | 2.99        | 8.1      | 0.4     | 0.249    | 2.3      | 16       | 0.2      |
| 11DS0144  | Skookum West | 623698 | 6989298 | 4104 | 2.4      | 15.9     | 8.5      | 43       | 0.05     | 13.0     | 6.8      | 216      | 2.68        | 4.7      | 0.5     | 5.6      | 2.8      | 18       | 0.049    |
| 11DS0143  | Skookum West | 623699 | 6989324 | 4103 | 1.3      | 20.9     | 10.0     | 72       | 0.05     | 43.3     | 13.9     | 416      | 4.03        | 7.8      | 0.5     | 2.3      | 2.6      | 16       | 0.1      |
| 11DS0142  | Skookum West | 623699 | 6989348 | 4102 | 1.1      | 19.8     | 8.5      | 63       | 0.05     | 22.1     | 9.8      | 472      | 3.4         | 8.2      | 0.6     | 5.7      | 3.5      | 16       | 0.049    |
| 11DS0140  | Skookum West | 623701 | 6989375 | 4100 | 1.4      | 17.6     | 9.5      | 65       | 0.05     | 22.5     | 9.9      | 439      | 3.48        | 7        | 0.5     | 7.5      | 3.2      | 15       | 0.049    |
| 11DS0139  | Skookum West | 623699 | 6989401 | 4099 | 1.2      | 21.5     | 7.3      | 80       | 0.10     | 20.8     | 10.9     | 525      | 3.52        | 4.8      | 0.5     | 2.1      | 3.3      | 20       | 0.049    |
| 11DS0138  | Skookum West | 623699 | 6989422 | 4098 | 0.9      | 19.2     | 5.7      | 92       | 0.05     | 21.1     | 12.7     | 571      | 3.79        | 3.5      | 0.4     | 1.1      | 2.4      | 24       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0137  | Skookum West | 623697 | 6989444 | 4097 | 0.7      | 26.1     | 4.8      | 81       | 0.05     | 14.6     | 13.8     | 574      | 3.41        | 2.3      | 0.4     | 1.7      | 2.2      | 31       | 0.049    |
| 11DS0136  | Skookum West | 623699 | 6989472 | 4096 | 1.1      | 27.6     | 6.4      | 80       | 0.05     | 16.1     | 14.4     | 566      | 3.44        | 3        | 0.5     | 1.4      | 1.9      | 28       | 0.049    |
| 11DS0135  | Skookum West | 623696 | 6989496 | 4095 | 0.4      | 31.6     | 3.9      | 80       | 0.05     | 13.1     | 14.4     | 506      | 3.5         | 1.6      | 0.3     | 0.5      | 1.3      | 28       | 0.049    |
| 11DS0134  | Skookum West | 623398 | 6988497 | 4037 | 0.7      | 68.3     | 5.9      | 59       | 0.05     | 15.7     | 16.8     | 480      | 3.7         | 3.2      | 0.5     | 1.2      | 1.9      | 34       | 0.049    |
| 11DS0133  | Skookum West | 623398 | 6988518 | 4036 | 1.4      | 14.7     | 9.6      | 104      | 0.05     | 10.2     | 9.4      | 727      | 3.45        | 3.7      | 0.6     | 3.6      | 5.3      | 20       | 0.2      |
| 11DS0132  | Skookum West | 623399 | 6988548 | 4035 | 2.4      | 11.7     | 13.1     | 127      | 0.05     | 18.4     | 6.7      | 546      | 2.75        | 6.1      | 0.4     | 1        | 1.7      | 31       | 0.2      |
| 11DS0131  | Skookum West | 623400 | 6988575 | 4034 | 2.1      | 25.5     | 9.5      | 78       | 0.40     | 19.3     | 9.5      | 591      | 3.09        | 5.8      | 1.7     | 58       | 2.2      | 47       | 0.1      |
| 11DS0130  | Skookum West | 623400 | 6988600 | 4033 | 0.9      | 13.5     | 10.1     | 102      | 0.05     | 8.3      | 6.4      | 340      | 2.9         | 3.2      | 0.6     | 1.2      | 6.8      | 9        | 0.049    |
| 11DS0129  | Skookum West | 623400 | 6988623 | 4032 | 1.1      | 8.5      | 8.8      | 55       | 0.05     | 9.3      | 6.8      | 351      | 2.71        | 3.5      | 0.3     | 1.2      | 2.6      | 17       | 0.2      |
| 11DS0128  | Skookum West | 623398 | 6988672 | 4031 | 1.7      | 27.5     | 8.6      | 93       | 0.10     | 12.6     | 12.6     | 657      | 4.11        | 15.8     | 0.8     | 2.5      | 4.1      | 18       | 0.2      |
| 11DS0127  | Skookum West | 623395 | 6988722 | 4030 | 0.6      | 42.1     | 7.3      | 85       | 0.05     | 46.7     | 19.7     | 792      | 3.74        | 2.8      | 0.6     | 4.6      | 2.1      | 26       | 0.049    |
| 11DS0126  | Skookum West | 623396 | 6988775 | 4029 | 1.4      | 35.9     | 7.7      | 99       | 0.10     | 20.5     | 15.5     | 1096     | 4.48        | 2.9      | 1.1     | 39.9     | 3.5      | 21       | 0.3      |
| 11DS0125  | Skookum West | 623401 | 6988824 | 4028 | 1.0      | 31.4     | 9.4      | 88       | 0.05     | 17.0     | 13.6     | 675      | 4.17        | 4.9      | 0.6     | 5.2      | 2.6      | 24       | 0.2      |
| 11DS0124  | Skookum West | 623399 | 6988873 | 4027 | 0.8      | 23.1     | 7.8      | 61       | 0.10     | 18.6     | 8.7      | 497      | 2.93        | 6.1      | 1.1     | 5.8      | 5.2      | 21       | 0.049    |
| 11DS0123  | Skookum West | 623398 | 6988923 | 4026 | 0.9      | 19.6     | 10.0     | 57       | 0.10     | 26.8     | 10.3     | 546      | 2.69        | 5.4      | 0.7     | 4.8      | 4.5      | 24       | 0.049    |
| 11DS0122  | Skookum West | 623396 | 6988974 | 4025 | 1.5      | 13.3     | 7.9      | 60       | 0.05     | 14.9     | 8        | 417      | 3.05        | 4.6      | 0.6     | 3.1      | 3.1      | 16       | 0.1      |
| 11DS0120  | Skookum West | 623398 | 6989027 | 4023 | 0.8      | 10.8     | 5.7      | 73       | 0.05     | 13.1     | 9.3      | 541      | 3.34        | 4.5      | 0.5     | 1.9      | 3.3      | 14       | 0.049    |
| 11DS0119  | Skookum West | 623400 | 6989048 | 4022 | 1.0      | 17.0     | 6.1      | 86       | 0.05     | 13.8     | 14.6     | 684      | 3.94        | 5.8      | 0.5     | 5        | 3.1      | 18       | 0.049    |
| 11DS0118  | Skookum West | 623396 | 6989072 | 4021 | 1.2      | 12.0     | 8.0      | 92       | 0.10     | 17.3     | 9.2      | 1136     | 2.88        | 4.5      | 0.4     | 3.3      | 3        | 14       | 0.2      |
| 11DS0117  | Skookum West | 623396 | 6989098 | 4020 | 1.1      | 12.6     | 5.6      | 78       | 0.05     | 15.8     | 13.4     | 864      | 3.65        | 5.2      | 0.4     | 2.2      | 3.2      | 14       | 0.1      |
| 11DS0116  | Skookum West | 623397 | 6989125 | 4019 | 0.9      | 18.0     | 5.6      | 71       | 0.05     | 26.2     | 11.1     | 464      | 3.15        | 4.6      | 0.7     | 3.3      | 4.1      | 19       | 0.049    |
| 11DS0115  | Skookum West | 623398 | 6989147 | 4018 | 1.1      | 25.5     | 7.6      | 59       | 0.10     | 30.0     | 9.9      | 410      | 2.9         | 6.3      | 0.9     | 3.8      | 4.5      | 22       | 0.049    |
| 11DS0114  | Skookum West | 623397 | 6989175 | 4017 | 0.9      | 19.4     | 7.2      | 67       | 0.10     | 37.1     | 11.4     | 355      | 3.06        | 5.6      | 0.6     | 3.1      | 3.8      | 19       | 0.049    |
| 11DS0113  | Skookum West | 623400 | 6989196 | 4016 | 0.7      | 16.3     | 6.3      | 62       | 0.05     | 28.3     | 9.9      | 366      | 2.81        | 4.6      | 0.6     | 3.4      | 3.8      | 19       | 0.049    |
| 11DS0112  | Skookum West | 623400 | 6989223 | 4015 | 0.7      | 31.0     | 5.9      | 82       | 0.05     | 17.0     | 12.3     | 559      | 3.49        | 5.3      | 0.4     | 8.1      | 2.9      | 14       | 0.1      |
| 11DS0111  | Skookum West | 623399 | 6989249 | 4014 | 1.0      | 11.9     | 7.0      | 65       | 0.05     | 14.2     | 8.4      | 299      | 2.38        | 5.4      | 0.5     | 1.7      | 2.8      | 11       | 0.049    |
| 11DS0110  | Skookum West | 623399 | 6989274 | 4013 | 0.9      | 9.4      | 7.0      | 60       | 0.05     | 11.0     | 7.7      | 399      | 2.28        | 6.2      | 0.5     | 1.9      | 2.5      | 10       | 0.049    |
| 11DS0109  | Skookum West | 623398 | 6989301 | 4012 | 0.7      | 10.0     | 5.3      | 67       | 0.05     | 12.5     | 10.1     | 388      | 2.26        | 5        | 0.6     | 2.9      | 2.4      | 8        | 0.049    |
| 11DS0108  | Skookum West | 623398 | 6989322 | 4011 | 0.9      | 9.2      | 7.8      | 54       | 0.05     | 13.2     | 7.8      | 264      | 2.69        | 8.2      | 0.5     | 1.6      | 3        | 11       | 0.1      |
| 11DS0107  | Skookum West | 623399 | 6989350 | 4010 | 1.0      | 11.2     | 7.6      | 81       | 0.05     | 16.2     | 11.1     | 463      | 2.23        | 6.2      | 0.7     | 2.4      | 3.4      | 14       | 0.049    |
| 11DS0106  | Skookum West | 623396 | 6989375 | 4009 | 1.0      | 13.7     | 7.3      | 81       | 0.05     | 19.1     | 13.4     | 454      | 2.79        | 7.7      | 0.8     | 1        | 3.6      | 12       | 0.1      |
| 11DS0105  | Skookum West | 623396 | 6989400 | 4008 | 0.8      | 4.8      | 5.4      | 78       | 0.05     | 9.2      | 11.1     | 534      | 2.09        | 4.2      | 0.4     | 0.9      | 2.2      | 7        | 0.049    |
| 11DS0104  | Skookum West | 623399 | 6989426 | 4007 | 0.9      | 14.8     | 7.6      | 77       | 0.05     | 18.5     | 12       | 536      | 2.85        | 8        | 0.6     | 8        | 3.2      | 13       | 0.049    |
| 11DS0103  | Skookum West | 623398 | 6989446 | 3831 | 1.2      | 8.3      | 8.4      | 76       | 0.05     | 15.1     | 10.6     | 514      | 3.04        | 5.9      | 0.4     | 1        | 2.4      | 8        | 0.1      |
| 11DS0102  | Skookum West | 623396 | 6989473 | 3830 | 0.9      | 14.3     | 6.7      | 83       | 0.05     | 16.8     | 10.5     | 510      | 2.85        | 4.2      | 0.7     | 0.249    | 1.8      | 15       | 0.2      |
| 11DS0100  | Skookum West | 623397 | 6989497 | 3828 | 0.9      | 10.5     | 6.7      | 75       | 0.05     | 15.9     | 10.3     | 504      | 2.61        | 3.3      | 0.6     | 1.3      | 2.5      | 12       | 0.1      |
| 11DS0099  | Skookum West | 623247 | 6989498 | 3827 | 1.0      | 13.0     | 8.7      | 63       | 0.05     | 13.9     | 7.9      | 368      | 3.1         | 6.5      | 0.5     | 90.5     | 2.4      | 10       | 0.1      |
| 11DS0098  | Skookum West | 623247 | 6989474 | 3826 | 0.8      | 14.4     | 6.4      | 130      | 0.05     | 18.2     | 16.7     | 617      | 4.82        | 6        | 0.4     | 1.7      | 2.5      | 10       | 0.1      |
| 11DS0097  | Skookum West | 623251 | 6989447 | 3825 | 0.7      | 23.5     | 7.3      | 95       | 0.05     | 16.8     | 12.6     | 759      | 3.67        | 4.1      | 0.9     | 4.4      | 4        | 16       | 0.049    |
| 11DS0096  | Skookum West | 623250 | 6989425 | 3824 | 1.3      | 22.7     | 9.6      | 70       | 0.05     | 15.0     | 8.2      | 415      | 3.37        | 7        | 0.5     | 9.4      | 2.1      | 11       | 0.2      |
| 11DS0095  | Skookum West | 623251 | 6989398 | 3823 | 1.4      | 23.2     | 10.2     | 78       | 0.05     | 21.4     | 10.8     | 590      | 3.32        | 6.5      | 0.6     | 5.6      | 3.4      | 13       | 0.1      |
| 11DS0094  | Skookum West | 623250 | 6989372 | 3822 | 1.6      | 17.8     | 8.9      | 75       | 0.05     | 19.8     | 10.6     | 543      | 3.32        | 6.9      | 0.6     | 2.5      | 3.1      | 12       | 0.1      |
| 11DS0093  | Skookum West | 623249 | 6989350 | 3821 | 1.0      | 22.7     | 6.8      | 83       | 0.05     | 17.2     | 11.5     | 586      | 3.32        | 5.7      | 0.8     | 2.7      | 3.8      | 15       | 0.2      |
| 11DS0092  | Skookum West | 623247 | 6989324 | 3820 | 1.5      | 16.1     | 9.7      | 69       | 0.05     | 21.7     | 10.5     | 592      | 3.46        | 9.1      | 0.6     | 2.8      | 2.3      | 12       | 0.2      |
| 11DS0091  | Skookum West | 623247 | 6989301 | 3819 | 0.8      | 15.3     | 5.3      | 86       | 0.05     | 19.3     | 13.5     | 563      | 3.37        | 4.8      | 0.6     | 3.1      | 4.3      | 8        | 0.1      |
| 11DS0090  | Skookum West | 623250 | 6989274 | 3818 | 0.5      | 17.7     | 4.7      | 121      | 0.05     | 31.0     | 23       | 693      | 4.53        | 1.6      | 0.4     | 0.8      | 3.2      | 16       | 0.1      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0089  | Skookum West | 623251 | 6989250 | 3817 | 0.8      | 23.8     | 8.9      | 62       | 0.05     | 29.8     | 14       | 296      | 3.01        | 9.1      | 0.7     | 3.9      | 4.1      | 11       | 0.3      |
| 11DS0088  | Skookum West | 623251 | 6989226 | 3816 | 0.8      | 19.5     | 6.9      | 68       | 0.05     | 22.7     | 11       | 414      | 3.03        | 7.8      | 0.7     | 2.5      | 4.5      | 16       | 0.049    |
| 11DS0087  | Skookum West | 623251 | 6989201 | 3815 | 1.2      | 23.5     | 8.6      | 83       | 0.05     | 25.2     | 13.3     | 640      | 3.77        | 8.4      | 0.4     | 33       | 3.4      | 12       | 0.2      |
| 11DS0086  | Skookum West | 623248 | 6989176 | 3814 | 1.0      | 19.9     | 7.3      | 80       | 0.05     | 28.1     | 12       | 496      | 3.33        | 5.2      | 0.5     | 2.4      | 3.8      | 13       | 0.1      |
| 11DS0085  | Skookum West | 623249 | 6989147 | 3813 | 1.3      | 49.0     | 19.1     | 109      | 0.10     | 238.8    | 35.3     | 1090     | 6.25        | 6.1      | 1.4     | 4.9      | 14.2     | 124      | 0.3      |
| 11DS0084  | Skookum West | 623248 | 6989128 | 3812 | 1.0      | 52.6     | 8.4      | 87       | 0.05     | 174.5    | 30.8     | 795      | 5.28        | 4.7      | 0.9     | 2.5      | 8.9      | 143      | 0.049    |
| 11DS0083  | Skookum West | 623249 | 6989100 | 3811 | 1.6      | 21.3     | 6.8      | 77       | 0.05     | 19.6     | 11.6     | 751      | 3.72        | 6.6      | 0.6     | 2.4      | 6.2      | 12       | 0.2      |
| 11DS0082  | Skookum West | 623251 | 6989077 | 3810 | 2.2      | 29.6     | 10.1     | 89       | 0.05     | 24.4     | 12.8     | 781      | 3.62        | 7.4      | 0.8     | 4.6      | 4.9      | 14       | 0.3      |
| 11DS0080  | Skookum West | 623251 | 6989055 | 3808 | 1.2      | 12.0     | 5.1      | 87       | 0.05     | 12.3     | 11.1     | 672      | 3.92        | 4.1      | 0.8     | 1.2      | 6.8      | 6        | 0.2      |
| 11DS0079  | Skookum West | 623252 | 6989027 | 3807 | 1.6      | 18.5     | 8.4      | 76       | 0.05     | 18.9     | 8.8      | 705      | 3.2         | 5.2      | 0.6     | 1.5      | 4.5      | 16       | 0.3      |
| 11DS0078  | Skookum West | 623247 | 6989001 | 3806 | 0.8      | 14.4     | 4.4      | 81       | 0.05     | 11.0     | 10.1     | 725      | 3.73        | 2.6      | 0.5     | 0.249    | 5.9      | 8        | 0.1      |
| 11DS0077  | Skookum West | 623247 | 6988974 | 3805 | 11.0     | 87.9     | 105.0    | 101      | 0.30     | 12.7     | 6.4      | 467      | 4.17        | 52.5     | 0.6     | 6.7      | 2.7      | 31       | 0.8      |
| 11DS0076  | Skookum West | 623249 | 6988952 | 3804 | 2.7      | 48.0     | 17.8     | 77       | 0.20     | 17.2     | 10.2     | 514      | 4.47        | 9.1      | 0.4     | 0.5      | 2        | 17       | 0.2      |
| 11DS0075  | Skookum West | 623249 | 6988925 | 3803 | 1.4      | 38.6     | 19.1     | 88       | 0.05     | 57.4     | 15.3     | 646      | 4.02        | 4.6      | 0.7     | 1.8      | 4.2      | 31       | 0.2      |
| 11DS0074  | Skookum West | 623248 | 6988897 | 3802 | 0.8      | 54.6     | 10.0     | 111      | 0.10     | 22.3     | 18.6     | 843      | 3.67        | 2.7      | 0.3     | 1.2      | 1.7      | 17       | 0.2      |
| 11DS0073  | Skookum West | 623349 | 6989249 | 3801 | 1.8      | 13.9     | 11.5     | 60       | 0.10     | 15.4     | 7.3      | 261      | 3.81        | 11.4     | 0.5     | 1.6      | 2.1      | 14       | 0.2      |
| 11DS0072  | Skookum West | 623350 | 6989200 | 3800 | 1.3      | 28.5     | 11.5     | 68       | 0.10     | 24.2     | 9.7      | 405      | 3.15        | 7.6      | 0.8     | 1.2      | 3.9      | 17       | 0.1      |
| 11DS0071  | Skookum West | 623348 | 6989151 | 3799 | 0.9      | 30.2     | 8.1      | 88       | 0.05     | 64.1     | 17.8     | 431      | 4.47        | 5.8      | 0.7     | 1.8      | 4.1      | 11       | 0.049    |
| 11DS0070  | Skookum West | 623350 | 6989102 | 3798 | 1.3      | 14.8     | 11.3     | 53       | 0.10     | 22.0     | 8.7      | 639      | 3.04        | 6.5      | 0.4     | 0.249    | 2.7      | 19       | 0.049    |
| 11DS0069  | Skookum West | 623351 | 6989048 | 3797 | 2.7      | 12.8     | 11.2     | 90       | 0.05     | 26.1     | 10       | 605      | 3.93        | 3.2      | 0.5     | 2.2      | 4.1      | 15       | 0.049    |
| 11DS0068  | Skookum West | 623248 | 6988875 | 3796 | 0.8      | 29.0     | 8.5      | 93       | 0.05     | 18.5     | 17       | 799      | 4.13        | 4.7      | 0.3     | 0.8      | 1.9      | 17       | 0.049    |
| 11DS0067  | Skookum West | 623246 | 6988854 | 3795 | 0.5      | 50.2     | 6.4      | 114      | 0.05     | 16.3     | 15.1     | 720      | 4.15        | 2.4      | 0.4     | 0.249    | 2.6      | 19       | 0.1      |
| 11DS0066  | Skookum West | 623244 | 6988828 | 3794 | 0.8      | 29.0     | 12.4     | 79       | 0.05     | 27.6     | 13.3     | 402      | 3.44        | 5.6      | 0.5     | 4.4      | 2.7      | 20       | 0.049    |
| 11DS0065  | Skookum West | 623248 | 6988799 | 3793 | 0.9      | 48.5     | 9.4      | 109      | 0.05     | 28.2     | 20       | 1090     | 5.33        | 3.8      | 0.6     | 13.1     | 3.1      | 19       | 0.2      |
| 11DS0064  | Skookum West | 623247 | 6988778 | 3792 | 1.1      | 40.4     | 14.1     | 73       | 0.05     | 32.2     | 16.7     | 701      | 3.81        | 4.3      | 0.4     | 9.5      | 1.7      | 19       | 0.3      |
| 11DS0063  | Skookum West | 623248 | 6988750 | 3791 | 0.8      | 39.1     | 9.2      | 76       | 0.10     | 58.5     | 17       | 734      | 3.47        | 6.7      | 0.6     | 121.4    | 4.1      | 50       | 0.2      |
| 11DS0062  | Skookum West | 623249 | 6988728 | 3790 | 1.6      | 22.9     | 20.3     | 70       | 0.10     | 28.7     | 14       | 1066     | 3.11        | 6        | 0.6     | 10.3     | 3.1      | 22       | 0.2      |
| 11DS0060  | Skookum West | 623246 | 6988701 | 3788 | 2.5      | 17.9     | 12.3     | 78       | 0.10     | 15.7     | 13.2     | 959      | 3.8         | 4.4      | 0.7     | 60.9     | 3.6      | 15       | 0.3      |
| 11DS0059  | Skookum West | 623248 | 6988672 | 3787 | 2.8      | 47.7     | 10.6     | 96       | 0.30     | 31.8     | 16       | 830      | 4.03        | 4.8      | 1.4     | 62.7     | 4.2      | 24       | 0.2      |
| 11DS0058  | Skookum West | 623248 | 6988653 | 3786 | 2.8      | 30.4     | 8.7      | 82       | 0.05     | 22.9     | 14.6     | 584      | 3.95        | 4.5      | 0.7     | 8.8      | 3.4      | 17       | 0.1      |
| 11DS0057  | Skookum West | 623247 | 6988623 | 3785 | 1.0      | 26.1     | 9.2      | 87       | 0.05     | 10.7     | 13.2     | 753      | 3.74        | 2.3      | 0.8     | 8.5      | 5.1      | 16       | 0.049    |
| 11DS0056  | Skookum West | 623247 | 6988603 | 3784 | 0.9      | 113.3    | 9.0      | 87       | 0.05     | 28.6     | 22.8     | 668      | 5.01        | 3.6      | 0.7     | 12.6     | 2.8      | 27       | 0.049    |
| 11DS0055  | Skookum West | 623249 | 6988569 | 3783 | 1.2      | 61.3     | 10.3     | 67       | 0.05     | 21.1     | 21.5     | 480      | 4.02        | 4.6      | 0.7     | 6.5      | 4.1      | 22       | 0.049    |
| 11DS0054  | Skookum West | 623246 | 6988548 | 3782 | 0.9      | 16.7     | 5.7      | 63       | 0.05     | 13.4     | 10.5     | 598      | 2.68        | 3        | 1       | 14.3     | 4.2      | 37       | 0.1      |
| 11DS0053  | Skookum West | 623250 | 6988527 | 3781 | 0.5      | 14.5     | 7.5      | 79       | 0.05     | 8.9      | 7.8      | 451      | 3.28        | 1.4      | 0.6     | 0.249    | 7.5      | 9        | 0.049    |
| 11DS0052  | Skookum West | 623250 | 6988499 | 3780 | 0.8      | 18.3     | 6.1      | 76       | 0.05     | 16.5     | 11.7     | 402      | 3.28        | 4        | 0.6     | 1.6      | 3.7      | 28       | 0.049    |
| 11DS0051  | Skookum West | 623098 | 6989498 | 3779 | 0.6      | 19.5     | 5.2      | 105      | 0.05     | 19.5     | 17.2     | 556      | 4.23        | 3.8      | 0.3     | 0.249    | 2        | 9        | 0.049    |
| 11DS0050  | Skookum West | 623098 | 6989474 | 3778 | 1.2      | 16.6     | 7.9      | 79       | 0.05     | 17.6     | 10.9     | 483      | 3.39        | 6.2      | 0.5     | 1.2      | 3.3      | 16       | 0.049    |
| 11DS0049  | Skookum West | 623099 | 6989447 | 3777 | 1.2      | 15.4     | 7.6      | 86       | 0.05     | 16.0     | 10.2     | 546      | 3.28        | 6.1      | 0.5     | 1.8      | 3        | 15       | 0.049    |
| 11DS0048  | Skookum West | 623100 | 6989424 | 3776 | 1.3      | 20.6     | 8.7      | 73       | 0.05     | 17.7     | 9.9      | 502      | 3.11        | 6.7      | 0.6     | 3.3      | 3.7      | 16       | 0.049    |
| 11DS0047  | Skookum West | 623103 | 6989398 | 3775 | 1.3      | 15.6     | 8.9      | 75       | 0.05     | 14.2     | 10.4     | 445      | 3.67        | 7.3      | 0.4     | 3.1      | 2.2      | 13       | 0.049    |
| 11DS0046  | Skookum West | 623102 | 6989372 | 3774 | 1.5      | 17.3     | 8.1      | 77       | 0.05     | 15.1     | 12.2     | 728      | 3.34        | 5.8      | 0.5     | 1.4      | 2.9      | 13       | 0.049    |
| 11DS0045  | Skookum West | 623098 | 6989351 | 3773 | 1.3      | 18.9     | 7.2      | 81       | 0.05     | 17.9     | 14       | 646      | 3.31        | 5.3      | 0.5     | 3.2      | 3.7      | 15       | 0.049    |
| 11DS0044  | Skookum West | 623098 | 6989323 | 3772 | 1.3      | 16.0     | 9.8      | 63       | 0.05     | 19.1     | 8.6      | 264      | 3.19        | 8.5      | 0.5     | 12       | 3        | 14       | 0.049    |
| 11DS0042  | Skookum West | 623099 | 6989302 | 3770 | 1.9      | 18.4     | 10.4     | 62       | 0.10     | 17.7     | 8.8      | 317      | 3.22        | 9.5      | 0.6     | 7        | 2.9      | 12       | 0.2      |
| 11DS0041  | Skookum West | 623099 | 6989274 | 3769 | 1.4      | 12.6     | 11.5     | 63       | 0.05     | 12.9     | 9.6      | 617      | 3.34        | 6.3      | 0.4     | 3.2      | 1.8      | 10       | 0.1      |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11DS0040  | Skookum West  | 623101 | 6989250 | 3768 | 0.8      | 21.1     | 10.0     | 60       | 0.05     | 23.6     | 10.7     | 334      | 3.1         | 8.4      | 0.5     | 8        | 4.8      | 15       | 0.049    |
| 11DS0039  | Skookum West  | 623100 | 6989225 | 3767 | 1.1      | 27.4     | 8.9      | 71       | 0.05     | 37.7     | 14       | 481      | 3.49        | 7.2      | 0.9     | 4.4      | 5.2      | 22       | 0.049    |
| 11DS0038  | Skookum West  | 623100 | 6989198 | 3766 | 1.5      | 19.0     | 9.4      | 63       | 0.05     | 20.7     | 8.9      | 315      | 3.55        | 8.3      | 0.6     | 3.6      | 4.5      | 13       | 0.049    |
| 11DS0037  | Skookum West  | 623098 | 6989175 | 3765 | 1.9      | 13.6     | 11.5     | 60       | 0.05     | 25.8     | 9.8      | 872      | 3.08        | 7.1      | 0.4     | 5.1      | 1.4      | 13       | 0.2      |
| 11DS0036  | Skookum West  | 623098 | 6989148 | 3764 | 1.4      | 19.1     | 9.7      | 81       | 0.05     | 63.6     | 15.7     | 752      | 4.34        | 8.6      | 0.7     | 2.3      | 4.3      | 24       | 0.049    |
| 11DS0035  | Skookum West  | 623098 | 6989125 | 3763 | 2.4      | 26.0     | 16.1     | 77       | 0.10     | 139.4    | 25       | 1048     | 4.31        | 5.7      | 1.2     | 4.1      | 8.8      | 86       | 0.2      |
| 11DS0034  | Skookum West  | 623099 | 6989073 | 3762 | 1.0      | 22.1     | 7.9      | 47       | 0.05     | 29.7     | 11       | 257      | 2.51        | 5.4      | 0.3     | 1.7      | 1.5      | 15       | 0.049    |
| 11DS0033  | Skookum West  | 623099 | 6989023 | 3761 | 0.8      | 31.7     | 6.4      | 73       | 0.05     | 20.2     | 20.3     | 643      | 3.7         | 4.6      | 0.5     | 3.7      | 2.1      | 14       | 0.1      |
| 11DS0032  | Skookum West  | 623098 | 6988974 | 3760 | 0.6      | 49.1     | 2.9      | 77       | 0.05     | 31.1     | 19.6     | 411      | 3.59        | 2.8      | 0.3     | 0.249    | 1.7      | 10       | 0.049    |
| 11DS0031  | Skookum West  | 623098 | 6988925 | 3759 | 0.9      | 35.3     | 12.1     | 95       | 0.05     | 18.3     | 15.7     | 745      | 4.28        | 6.2      | 0.3     | 2.6      | 2.1      | 14       | 0.1      |
| 11DS0030  | Skookum West  | 623100 | 6988880 | 3758 | 0.4      | 40.5     | 11.6     | 102      | 0.05     | 23.5     | 16.2     | 510      | 3.89        | 2.9      | 0.5     | 0.249    | 2.8      | 16       | 0.2      |
| 11DS0029  | Skookum West  | 623099 | 6988826 | 3757 | 0.4      | 53.7     | 31.7     | 173      | 0.05     | 13.0     | 8.6      | 736      | 4.03        | 4.9      | 0.6     | 7.1      | 3.8      | 14       | 0.1      |
| 11DS0028  | Skookum West  | 623102 | 6988781 | 3756 | 0.8      | 28.6     | 8.8      | 101      | 0.05     | 11.8     | 9.2      | 582      | 3.56        | 5.1      | 0.7     | 0.249    | 4.4      | 14       | 0.1      |
| 11DS0027  | Skookum West  | 623098 | 6988723 | 3755 | 1.1      | 54.0     | 8.7      | 87       | 0.10     | 21.5     | 13.3     | 767      | 3.54        | 6.6      | 0.4     | 2.2      | 3        | 19       | 0.1      |
| 11DS0026  | Skookum West  | 623100 | 6988673 | 3754 | 1.0      | 33.7     | 4.5      | 69       | 0.05     | 9.3      | 7.6      | 500      | 3.1         | 4.8      | 0.6     | 3.7      | 4        | 10       | 0.049    |
| 11DS0025  | Skookum West  | 623100 | 6988625 | 3753 | 1.8      | 18.5     | 8.7      | 58       | 0.05     | 22.4     | 9.7      | 445      | 3.13        | 5.9      | 0.7     | 13.4     | 4.1      | 17       | 0.049    |
| 11DS0024  | Skookum West  | 623098 | 6988575 | 3752 | 0.4      | 14.7     | 13.2     | 106      | 0.05     | 11.5     | 11.3     | 817      | 4.19        | 3.7      | 1.8     | 0.249    | 8.8      | 39       | 0.049    |
| 11DS0023  | Skookum West  | 623099 | 6988525 | 3751 | 0.8      | 27.1     | 7.8      | 106      | 0.05     | 13.2     | 13       | 728      | 4.89        | 3.9      | 0.6     | 0.249    | 8.4      | 30       | 0.049    |
| 11DS0021  | Skookum West  | 622898 | 6988825 | 3749 | 1.0      | 29.5     | 7.1      | 89       | 0.05     | 20.5     | 16.5     | 609      | 4.24        | 6.2      | 0.7     | 3.6      | 4.4      | 11       | 0.049    |
| 11DS0020  | Skookum West  | 622898 | 6988875 | 3748 | 1.0      | 31.3     | 6.9      | 84       | 0.05     | 20.1     | 15.4     | 535      | 3.85        | 6.5      | 0.9     | 5.1      | 4.6      | 13       | 0.049    |
| 11DS0019  | Skookum West  | 622898 | 6988902 | 3747 | 1.1      | 25.5     | 10.3     | 67       | 0.05     | 21.4     | 10.7     | 461      | 3.45        | 7.4      | 1       | 3.6      | 4.8      | 21       | 0.049    |
| 11DS0018  | Skookum West  | 622900 | 6988923 | 3746 | 1.2      | 26.6     | 25.1     | 83       | 0.05     | 44.3     | 16       | 548      | 4.45        | 11       | 0.7     | 1.9      | 5.4      | 28       | 0.2      |
| 11DS0017  | Skookum West  | 622900 | 6988950 | 3745 | 0.9      | 25.0     | 8.8      | 61       | 0.05     | 19.5     | 9.5      | 354      | 2.92        | 7        | 0.6     | 2.9      | 3.4      | 19       | 0.049    |
| 11DS0016  | Skookum West  | 622898 | 6988973 | 3744 | 1.2      | 25.4     | 10.4     | 73       | 0.05     | 26.0     | 12.9     | 420      | 3.68        | 9.7      | 0.5     | 1.6      | 3.6      | 18       | 0.1      |
| 11DS0015  | Skookum West  | 622898 | 6989000 | 3743 | 1.4      | 28.5     | 10.2     | 80       | 0.05     | 20.2     | 11.3     | 402      | 3.93        | 8.5      | 0.5     | 1.7      | 3.3      | 13       | 0.1      |
| 11DS0014  | Skookum West  | 622898 | 6989024 | 3742 | 1.0      | 27.0     | 6.3      | 78       | 0.05     | 17.0     | 10.5     | 506      | 3.64        | 6.2      | 0.5     | 0.6      | 3.8      | 14       | 0.1      |
| 11DS0013  | Skookum West  | 622898 | 6989049 | 3741 | 1.5      | 21.8     | 10.6     | 56       | 0.05     | 19.8     | 8.2      | 299      | 3.42        | 8.9      | 0.5     | 0.249    | 2.6      | 13       | 0.1      |
| 11DS0012  | Skookum West  | 622900 | 6989075 | 3740 | 2.0      | 21.1     | 9.3      | 44       | 0.05     | 11.0     | 5.4      | 338      | 2.86        | 7.6      | 0.4     | 0.7      | 2.1      | 11       | 0.1      |
| 11DS0011  | Skookum West  | 622900 | 6989125 | 3739 | 1.6      | 30.7     | 8.7      | 73       | 0.05     | 33.8     | 11.5     | 449      | 3.55        | 8.5      | 0.5     | 2.1      | 3.4      | 18       | 0.049    |
| 11DS0010  | Skookum West  | 622898 | 6989174 | 3738 | 0.7      | 40.5     | 9.1      | 71       | 0.20     | 94.9     | 19.8     | 523      | 3.57        | 7        | 1.2     | 4.1      | 5.4      | 92       | 0.049    |
| 11DS0009  | Skookum West  | 622898 | 6989223 | 3737 | 1.3      | 28.9     | 8.0      | 66       | 0.20     | 37.1     | 16.4     | 542      | 3.33        | 4.1      | 0.7     | 1.4      | 2        | 21       | 0.1      |
| 11DS0008  | Skookum West  | 622900 | 6989273 | 3736 | 4.3      | 32.4     | 16.7     | 91       | 0.20     | 14.5     | 12.6     | 523      | 4.52        | 20       | 0.9     | 1.6      | 3.3      | 27       | 0.2      |
| 11DS0007  | Skookum West  | 622900 | 6989325 | 3735 | 6.3      | 30.7     | 61.9     | 88       | 0.30     | 16.7     | 11.7     | 525      | 4.39        | 7.6      | 0.9     | 11.2     | 3.3      | 20       | 0.049    |
| 11DS0006  | Skookum West  | 622898 | 6989375 | 3734 | 2.7      | 24.7     | 12.3     | 88       | 0.20     | 22.4     | 13.4     | 554      | 3.76        | 6        | 0.7     | 7.7      | 3.4      | 23       | 0.2      |
| 11DS0005  | Skookum West  | 622898 | 6989425 | 3733 | 3.3      | 40.3     | 15.3     | 95       | 0.20     | 17.9     | 22.1     | 1234     | 6.58        | 4.3      | 0.9     | 35.1     | 2.4      | 20       | 0.2      |
| 11DS0004  | Skookum West  | 622900 | 6989448 | 3732 | 2.9      | 20.6     | 15.5     | 78       | 0.10     | 21.1     | 14.5     | 543      | 3.74        | 14.7     | 0.8     | 1        | 4.7      | 17       | 0.1      |
| 11DS0003  | Skookum West  | 622900 | 6989475 | 3731 | 1.4      | 16.3     | 11.6     | 72       | 0.05     | 19.9     | 11.7     | 439      | 3.48        | 8.8      | 0.7     | 3.3      | 4.5      | 20       | 0.049    |
| 11DS0002  | Skookum West  | 622900 | 6989500 | 3730 | 1.1      | 10.6     | 8.0      | 71       | 0.05     | 15.4     | 11       | 626      | 2.65        | 4.9      | 1.6     | 1.4      | 3.2      | 18       | 0.049    |
| 11DS0001  | Skookum West  | 622900 | 6988775 | 3729 | 1.0      | 13.7     | 5.6      | 96       | 0.05     | 15.0     | 15.3     | 824      | 3.63        | 4.1      | 0.6     | 0.6      | 5.5      | 10       | 0.049    |
| 11CB1277  | Alberta Creek | 633774 | 6987634 | 9321 | 8.6      | 19.3     | 8.7      | 54       | 0.05     | 22.6     | 10.4     | 331      | 2.94        | 7.1      | 0.4     | 5        | 2.3      | 18       | 0.1      |
| 11CB1276  | Alberta Creek | 633772 | 6987684 | 9320 | 9.4      | 19.9     | 9.6      | 56       | 0.10     | 21.9     | 10.8     | 333      | 3.15        | 8.3      | 0.5     | 10.2     | 2.3      | 20       | 0.049    |
| 11CB1275  | Alberta Creek | 633770 | 6987733 | 9319 | 8.5      | 22.2     | 9.2      | 59       | 0.20     | 25.1     | 10.6     | 323      | 2.95        | 7.5      | 0.5     | 6.1      | 2.2      | 20       | 0.049    |
| 11CB1274  | Alberta Creek | 633768 | 6987783 | 9318 | 9.0      | 24.3     | 9.0      | 58       | 0.10     | 25.7     | 12.2     | 389      | 2.98        | 7.4      | 1.1     | 6.7      | 2.3      | 20       | 0.1      |
| 11CB1273  | Alberta Creek | 633765 | 6987833 | 9317 | 9.0      | 26.3     | 9.3      | 64       | 0.10     | 29.0     | 13.7     | 450      | 3.12        | 7.5      | 0.6     | 8.3      | 2.7      | 21       | 0.2      |
| 11CB1272  | Alberta Creek | 633763 | 6987883 | 9316 | 8.6      | 26.0     | 9.7      | 61       | 0.20     | 27.6     | 10.2     | 306      | 3.03        | 7.7      | 0.6     | 9.9      | 2        | 22       | 0.2      |
| 11CB1271  | Alberta Creek | 633665 | 6987879 | 9315 | 12.8     | 47.4     | 9.6      | 75       | 0.40     | 37.1     | 13.7     | 528      | 2.99        | 7.5      | 1.3     | 14.6     | 2.4      | 26       | 0.2      |



| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB1270  | Alberta Creek | 633667 | 6987829 | 9314 | 12.7     | 50.6     | 9.5      | 76       | 0.30     | 39.8     | 13.8     | 572      | 3.07        | 8        | 1.4     | 14.5     | 2.5      | 27       | 0.2      |
| 11CB1269  | Alberta Creek | 633668 | 6987779 | 9313 | 11.8     | 49.1     | 9.1      | 73       | 0.40     | 38.1     | 13.7     | 583      | 3.07        | 8.4      | 1.2     | 25.2     | 2.4      | 26       | 0.2      |
| 11CB1268  | Alberta Creek | 633670 | 6987729 | 9312 | 12.4     | 49.8     | 9.3      | 70       | 0.30     | 37.4     | 13.5     | 523      | 3.04        | 7.6      | 1.2     | 139.2    | 2.3      | 25       | 0.2      |
| 11CB1267  | Alberta Creek | 633675 | 6987677 | 9311 | 12.2     | 50.0     | 9.7      | 68       | 0.40     | 38.7     | 13       | 503      | 2.99        | 8        | 1.3     | 36.7     | 2.3      | 26       | 0.2      |
| 11CB1266  | Alberta Creek | 633691 | 6987230 | 9310 | 0.3      | 28.5     | 4.8      | 54       | 0.05     | 15.9     | 8.9      | 530      | 2.56        | 2.9      | 0.6     | 2.3      | 1.6      | 74       | 0.049    |
| 11CB1265  | Alberta Creek | 633693 | 6987180 | 9309 | 0.2      | 27.5     | 4.4      | 52       | 0.10     | 13.4     | 8.5      | 509      | 2.44        | 2.8      | 0.6     | 2        | 1.4      | 73       | 0.049    |
| 11CB1264  | Alberta Creek | 633696 | 6987130 | 9308 | 0.3      | 27.6     | 4.6      | 52       | 0.05     | 15.1     | 8.4      | 528      | 2.48        | 3.2      | 0.7     | 1.5      | 1.5      | 71       | 0.049    |
| 11CB1263  | Alberta Creek | 633700 | 6987076 | 9307 | 0.2      | 27.3     | 3.9      | 53       | 0.05     | 13.0     | 7.8      | 445      | 2.44        | 2.6      | 0.5     | 1.4      | 1.3      | 77       | 0.049    |
| 11CB1262  | Alberta Creek | 633698 | 6987032 | 9306 | 1.0      | 16.1     | 8.6      | 58       | 0.05     | 17.3     | 9.2      | 435      | 2.72        | 9.3      | 0.4     | 1.5      | 2        | 23       | 0.1      |
| 11CB1260  | Alberta Creek | 633243 | 6988362 | 9304 | 1.3      | 36.2     | 7.5      | 83       | 0.05     | 23.7     | 13.6     | 938      | 3.43        | 5.4      | 1.2     | 21.4     | 3.3      | 71       | 0.2      |
| 11CB1259  | Alberta Creek | 633245 | 6988312 | 9303 | 1.2      | 30.9     | 7.9      | 87       | 0.05     | 22.4     | 12.9     | 694      | 3.39        | 5.4      | 1.1     | 29.5     | 3.7      | 57       | 0.2      |
| 11CB1258  | Alberta Creek | 633247 | 6988262 | 9302 | 1.4      | 32.6     | 7.6      | 84       | 0.05     | 23.1     | 12.4     | 801      | 3.48        | 5.5      | 1       | 19.3     | 3.6      | 57       | 0.049    |
| 11CB1257  | Alberta Creek | 633249 | 6988212 | 9301 | 1.1      | 38.3     | 8.0      | 83       | 0.05     | 25.2     | 13.5     | 923      | 3.46        | 6.2      | 1.2     | 36.8     | 3.8      | 57       | 0.2      |
| 11CB1256  | Alberta Creek | 633247 | 6988164 | 9300 | 1.1      | 30.5     | 7.6      | 87       | 0.05     | 21.2     | 12       | 572      | 3.25        | 5.2      | 1       | 15.4     | 3.7      | 46       | 0.1      |
| 11CB1255  | Alberta Creek | 633254 | 6988112 | 9299 | 1.1      | 17.4     | 0.7      | 21       | 0.05     | 7.1      | 1.9      | 2262     | 0.41        | 0.7      | 4.2     | 2.4      | 0.049    | 167      | 0.2      |
| 11CB1254  | Alberta Creek | 633254 | 6988069 | 9298 | 0.2      | 31.3     | 6.5      | 49       | 0.05     | 24.5     | 9.1      | 1446     | 2.07        | 4.5      | 1.8     | 12.9     | 1.6      | 52       | 0.5      |
| 11CB1253  | Alberta Creek | 633257 | 6988009 | 9297 | 0.8      | 15.5     | 3.7      | 29       | 0.05     | 10.6     | 4.9      | 348      | 1.07        | 2.2      | 0.4     | 1.3      | 0.3      | 38       | 0.1      |
| 11CB1252  | Alberta Creek | 633259 | 6987962 | 9296 | 2.2      | 34.1     | 8.1      | 57       | 0.05     | 24.2     | 9.6      | 616      | 2.11        | 6.2      | 0.8     | 13.4     | 0.8      | 59       | 0.2      |
| 11CB1251  | Alberta Creek | 633263 | 6987912 | 9295 | 2.5      | 31.7     | 7.9      | 57       | 0.05     | 20.8     | 10.3     | 532      | 2.24        | 5.7      | 0.5     | 4.6      | 1.1      | 55       | 0.3      |
| 11CB1250  | Alberta Creek | 633262 | 6987864 | 9294 | 1.9      | 32.5     | 8.4      | 64       | 0.05     | 25.9     | 11.7     | 587      | 2.49        | 6.4      | 0.7     | 4        | 1        | 56       | 0.3      |
| 11CB1249  | Alberta Creek | 633271 | 6987814 | 9293 | 2.7      | 50.2     | 7.0      | 57       | 0.05     | 30.0     | 12.9     | 476      | 2.56        | 4.6      | 0.7     | 5.3      | 0.7      | 70       | 0.2      |
| 11CB1248  | Alberta Creek | 633269 | 6987764 | 9292 | 6.6      | 58.4     | 4.8      | 67       | 0.10     | 38.8     | 15.2     | 919      | 2.51        | 3.6      | 0.6     | 4.6      | 0.5      | 79       | 0.4      |
| 11CB1247  | Alberta Creek | 633267 | 6987714 | 9291 | 7.0      | 99.3     | 5.9      | 83       | 0.20     | 49.9     | 20.5     | 631      | 3.39        | 3.9      | 0.8     | 7.5      | 1        | 61       | 0.2      |
| 11CB1246  | Alberta Creek | 633274 | 6987654 | 9290 | 6.3      | 86.0     | 7.1      | 86       | 0.20     | 47.9     | 19       | 808      | 3.74        | 5.7      | 0.7     | 13.1     | 1.4      | 42       | 0.2      |
| 11CB1245  | Alberta Creek | 633279 | 6987608 | 9289 | 0.9      | 33.8     | 3.8      | 64       | 0.05     | 16.7     | 11.6     | 778      | 2.95        | 1.2      | 0.6     | 7.7      | 1.9      | 64       | 0.1      |
| 11CB1244  | Alberta Creek | 633278 | 6987560 | 9288 | 0.2      | 21.2     | 7.5      | 79       | 0.05     | 16.5     | 10.9     | 461      | 2.9         | 3.8      | 1.1     | 12.2     | 2.1      | 39       | 0.2      |
| 11CB1243  | Alberta Creek | 633280 | 6987511 | 9287 | 0.5      | 32.5     | 7.3      | 88       | 0.10     | 19.9     | 13.5     | 1373     | 2.79        | 1.9      | 1.7     | 1.7      | 1.9      | 39       | 0.3      |
| 11CB1242  | Alberta Creek | 633278 | 6987457 | 9286 | 0.5      | 25.5     | 6.8      | 74       | 0.05     | 17.2     | 10.5     | 449      | 2.93        | 3.3      | 0.8     | 1.4      | 2.3      | 29       | 0.049    |
| 11CB1240  | Alberta Creek | 633280 | 6987411 | 9284 | 0.4      | 16.1     | 8.1      | 75       | 0.05     | 17.1     | 13.1     | 421      | 3.25        | 4        | 1       | 1.6      | 4.1      | 28       | 0.1      |
| 11CB1239  | Alberta Creek | 633282 | 6987362 | 9283 | 0.5      | 15.1     | 5.4      | 69       | 0.05     | 18.3     | 15.7     | 533      | 3.51        | 3.1      | 0.7     | 3.2      | 3.5      | 27       | 0.049    |
| 11CB1238  | Alberta Creek | 633286 | 6987307 | 9282 | 1.3      | 38.1     | 7.2      | 51       | 0.10     | 11.4     | 7.4      | 163      | 2.63        | 2.7      | 1.2     | 1.6      | 1.4      | 17       | 0.049    |
| 11CB1237  | Alberta Creek | 633291 | 6987264 | 9281 | 1.7      | 29.1     | 6.9      | 60       | 0.05     | 12.1     | 8.8      | 217      | 3.09        | 3.9      | 0.8     | 1.5      | 2.4      | 15       | 0.049    |
| 11CB1236  | Alberta Creek | 633292 | 6987214 | 9280 | 2.2      | 26.4     | 7.9      | 47       | 0.05     | 12.7     | 10.4     | 228      | 3.5         | 8.3      | 0.6     | 2.3      | 3.5      | 13       | 0.049    |
| 11CB1235  | Alberta Creek | 633292 | 6987166 | 9279 | 1.8      | 63.5     | 6.0      | 49       | 0.05     | 7.5      | 7.8      | 298      | 3.16        | 1.3      | 0.6     | 1.3      | 0.4      | 25       | 0.049    |
| 11CB1234  | Alberta Creek | 633294 | 6987115 | 9278 | 1.8      | 20.6     | 10.0     | 49       | 0.20     | 21.7     | 11.7     | 226      | 3.31        | 8.9      | 0.5     | 1.5      | 3.1      | 16       | 0.049    |
| 11CB1233  | Alberta Creek | 633294 | 6987061 | 9277 | 3.9      | 73.4     | 7.1      | 60       | 0.10     | 15.1     | 12.5     | 284      | 3.89        | 5.3      | 0.6     | 0.6      | 1.7      | 29       | 0.049    |
| 11CB1232  | Alberta Creek | 633299 | 6987013 | 9276 | 1.1      | 46.7     | 5.3      | 58       | 0.05     | 14.2     | 11.4     | 729      | 2.79        | 3        | 0.6     | 1.1      | 3.8      | 28       | 0.1      |
| 11CB1219  | Skookum West  | 622815 | 6989442 | 6557 | 1.4      | 24.8     | 9.0      | 70       | 0.20     | 16.7     | 11.7     | 370      | 3.52        | 7.4      | 0.5     | 0.249    | 2.8      | 13       | 0.049    |
| 11CB1218  | Skookum West  | 622815 | 6989488 | 6556 | 1.7      | 26.6     | 9.9      | 70       | 0.20     | 15.4     | 13       | 495      | 4.34        | 11       | 0.5     | 0.7      | 2.3      | 16       | 0.049    |
| 11CB1217  | Skookum West  | 622805 | 6989535 | 6555 | 1.7      | 25.1     | 10.4     | 54       | 0.20     | 13.9     | 9.4      | 340      | 3.56        | 8.1      | 0.6     | 2.9      | 2.6      | 20       | 0.049    |
| 11CB1216  | Skookum West  | 622809 | 6989593 | 6554 | 1.3      | 20.9     | 7.4      | 74       | 0.05     | 16.4     | 12.1     | 420      | 4           | 6.8      | 0.7     | 2.5      | 3.1      | 15       | 0.049    |
| 11CB1215  | Skookum West  | 622810 | 6989646 | 6553 | 2.1      | 14.8     | 8.0      | 80       | 0.10     | 17.2     | 11.5     | 392      | 3.45        | 5.5      | 0.6     | 9.6      | 2.2      | 24       | 0.1      |
| 11CB1214  | Skookum West  | 623987 | 6989686 | 6552 | 2.3      | 14.1     | 7.0      | 79       | 0.10     | 13.9     | 11.9     | 408      | 3.3         | 4.6      | 0.6     | 5.1      | 1.6      | 36       | 0.049    |
| 11CB1213  | Skookum West  | 624038 | 6989689 | 6551 | 1.3      | 16.7     | 6.9      | 97       | 0.10     | 15.5     | 15.6     | 475      | 3.54        | 3.3      | 0.5     | 6.2      | 2.1      | 34       | 0.049    |
| 11CB1212  | Skookum West  | 624086 | 6989692 | 6550 | 2.1      | 12.9     | 9.2      | 89       | 0.20     | 11.1     | 11.4     | 389      | 3.08        | 6.2      | 0.5     | 8.5      | 2.1      | 31       | 0.2      |
| 11CB1211  | Skookum West  | 624130 | 6989691 | 6549 | 1.1      | 29.6     | 9.3      | 64       | 0.60     | 14.3     | 9.7      | 349      | 2.86        | 3.3      | 1.5     | 12.5     | 1.8      | 30       | 0.3      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB1210  | Skookum West | 624182 | 6989643 | 6548 | 2.0      | 20.2     | 11.0     | 91       | 0.30     | 16.1     | 16.4     | 428      | 3.51        | 5        | 1       | 2.3      | 3.1      | 38       | 0.3      |
| 11CB1209  | Skookum West | 624229 | 6989700 | 6547 | 1.7      | 18.6     | 10.3     | 82       | 0.30     | 15.5     | 15.1     | 382      | 3.19        | 4.4      | 1       | 1        | 2.9      | 34       | 0.2      |
| 11CB1207  | Skookum West | 624279 | 6989698 | 6545 | 1.5      | 13.3     | 8.8      | 65       | 0.10     | 17.7     | 9.3      | 373      | 3.65        | 8.5      | 0.4     | 2.9      | 3.1      | 14       | 0.049    |
| 11CB1206  | Skookum West | 622921 | 6989488 | 6544 | 0.9      | 16.0     | 7.4      | 66       | 0.05     | 13.5     | 9.2      | 385      | 3.25        | 7        | 0.5     | 2.1      | 3.3      | 16       | 0.049    |
| 11CB1205  | Skookum West | 622956 | 6989494 | 6543 | 1.0      | 17.8     | 7.6      | 68       | 0.05     | 22.5     | 11.4     | 436      | 3.65        | 7.8      | 0.6     | 2.9      | 4.3      | 17       | 0.049    |
| 11CB1204  | Skookum West | 622983 | 6989496 | 6542 | 1.1      | 17.6     | 8.0      | 69       | 0.10     | 15.4     | 9.3      | 378      | 3.39        | 7.2      | 0.6     | 3        | 3.8      | 19       | 0.049    |
| 11CB1203  | Skookum West | 623009 | 6989493 | 6541 | 0.9      | 17.7     | 8.5      | 71       | 0.05     | 17.9     | 10       | 409      | 3.6         | 7.1      | 0.6     | 0.249    | 4        | 20       | 0.049    |
| 11CB1202  | Skookum West | 623033 | 6989497 | 6540 | 1.5      | 16.9     | 8.9      | 62       | 0.05     | 15.7     | 7.7      | 341      | 3.33        | 8.2      | 0.7     | 1.5      | 3        | 20       | 0.049    |
| 11CB1201  | Skookum West | 623058 | 6989505 | 6539 | 1.4      | 14.9     | 9.3      | 41       | 0.30     | 8.0      | 4.1      | 194      | 1.96        | 4.7      | 0.5     | 0.9      | 1.8      | 13       | 0.1      |
| 11CB1199  | Skookum West | 623080 | 6989500 | 6537 | 1.0      | 13.6     | 8.3      | 66       | 0.05     | 14.3     | 8.6      | 294      | 3.61        | 8.3      | 0.4     | 1.2      | 2.7      | 15       | 0.1      |
| 11CB1198  | Skookum West | 623105 | 6989499 | 6536 | 1.2      | 19.7     | 10.1     | 96       | 0.05     | 17.1     | 11.3     | 502      | 3.75        | 7        | 0.6     | 1        | 3.8      | 14       | 0.049    |
| 11CB1197  | Skookum West | 623135 | 6989503 | 6535 | 0.7      | 15.9     | 6.9      | 69       | 0.05     | 13.0     | 9.5      | 409      | 3.66        | 6.4      | 0.6     | 0.249    | 3.5      | 14       | 0.1      |
| 11CB1196  | Skookum West | 623153 | 6989506 | 6534 | 0.8      | 22.5     | 6.6      | 72       | 0.05     | 19.8     | 11.8     | 475      | 3.55        | 7.5      | 0.6     | 1.3      | 3.8      | 18       | 0.1      |
| 11CB1195  | Skookum West | 623176 | 6989502 | 6533 | 0.5      | 16.2     | 6.0      | 73       | 0.20     | 12.9     | 7.9      | 383      | 2.55        | 4.7      | 0.5     | 0.249    | 2        | 17       | 0.2      |
| 11CB1194  | Skookum West | 623208 | 6989505 | 6532 | 1.0      | 20.9     | 7.9      | 63       | 0.05     | 13.7     | 9.2      | 543      | 3.08        | 6.1      | 0.8     | 2.5      | 2.3      | 22       | 0.2      |
| 11CB1193  | Skookum West | 623235 | 6989508 | 6531 | 0.9      | 11.4     | 7.6      | 45       | 0.05     | 8.0      | 4.2      | 270      | 2.46        | 5.7      | 0.4     | 2        | 1.6      | 12       | 0.1      |
| 11CB1192  | Skookum West | 623260 | 6989510 | 6530 | 0.6      | 17.8     | 6.8      | 49       | 0.05     | 8.4      | 4.2      | 190      | 1.88        | 4.8      | 0.5     | 4.8      | 1.6      | 14       | 0.2      |
| 11CB1191  | Skookum West | 623278 | 6989512 | 6529 | 0.7      | 17.2     | 4.6      | 98       | 0.05     | 10.7     | 13.6     | 684      | 4.11        | 3.6      | 0.4     | 1.6      | 2        | 14       | 0.049    |
| 11CB1190  | Skookum West | 623305 | 6989512 | 6528 | 0.8      | 18.1     | 6.6      | 93       | 0.05     | 15.9     | 12.4     | 835      | 3.61        | 5.9      | 0.6     | 1.2      | 2.9      | 17       | 0.2      |
| 11CB1189  | Skookum West | 623331 | 6989515 | 6527 | 0.8      | 24.2     | 6.1      | 75       | 0.05     | 13.1     | 8.7      | 387      | 3.08        | 4.6      | 0.6     | 1.7      | 2.2      | 11       | 0.2      |
| 11CB1188  | Skookum West | 623359 | 6989513 | 6526 | 0.9      | 14.9     | 6.1      | 82       | 0.05     | 11.7     | 8.5      | 440      | 2.92        | 4.9      | 0.6     | 1.1      | 1.8      | 15       | 0.2      |
| 11CB1187  | Skookum West | 623383 | 6989517 | 6525 | 0.6      | 12.6     | 4.9      | 79       | 0.05     | 13.3     | 9.2      | 485      | 2.66        | 4.5      | 0.8     | 1.1      | 2.9      | 16       | 0.1      |
| 11CB1186  | Skookum West | 623408 | 6989518 | 6524 | 0.3      | 10.3     | 4.2      | 89       | 0.05     | 11.4     | 9.8      | 628      | 2.07        | 2.8      | 0.9     | 0.249    | 1.9      | 20       | 0.1      |
| 11CB1185  | Skookum West | 623434 | 6989518 | 6523 | 0.6      | 13.8     | 6.4      | 90       | 0.05     | 16.5     | 10.9     | 544      | 2.96        | 5.4      | 0.7     | 2.1      | 2.7      | 21       | 0.3      |
| 11CB1184  | Skookum West | 623463 | 6989520 | 6522 | 0.8      | 16.4     | 7.3      | 87       | 0.20     | 17.6     | 10.6     | 471      | 2.91        | 5.8      | 1       | 4.5      | 2.7      | 20       | 0.049    |
| 11CB1183  | Skookum West | 623484 | 6989518 | 6521 | 0.6      | 14.2     | 6.6      | 87       | 0.05     | 16.2     | 13.3     | 566      | 3.02        | 5.7      | 0.7     | 5.7      | 3.3      | 19       | 0.049    |
| 11CB1182  | Skookum West | 623508 | 6989519 | 6520 | 0.8      | 16.5     | 6.2      | 79       | 0.20     | 14.2     | 8.6      | 366      | 2.69        | 5        | 0.8     | 2.5      | 1.6      | 21       | 0.049    |
| 11CB1181  | Skookum West | 623527 | 6989523 | 6519 | 1.1      | 21.5     | 6.4      | 81       | 0.05     | 15.2     | 10.3     | 416      | 3.07        | 5.7      | 0.5     | 3.1      | 2.9      | 17       | 0.049    |
| 11CB1179  | Skookum West | 623553 | 6989525 | 6517 | 1.1      | 39.5     | 11.3     | 74       | 0.40     | 26.1     | 12       | 335      | 3.01        | 5.4      | 0.8     | 5        | 1.3      | 33       | 0.2      |
| 11CB1178  | Skookum West | 624292 | 6989545 | 6516 | 0.8      | 29.3     | 9.1      | 84       | 0.20     | 22.0     | 13.9     | 437      | 3.09        | 4        | 0.8     | 3.5      | 2.1      | 33       | 0.1      |
| 11CB1177  | Skookum West | 624266 | 6989550 | 6515 | 1.1      | 21.3     | 10.5     | 77       | 0.20     | 18.8     | 10.5     | 349      | 2.44        | 3.4      | 0.8     | 6.6      | 1.5      | 37       | 0.1      |
| 11CB1176  | Skookum West | 626955 | 6990082 | 6514 | 1.8      | 15.4     | 10.1     | 84       | 0.20     | 14.4     | 9.7      | 258      | 2.94        | 3.8      | 0.7     | 7.2      | 2.1      | 28       | 0.049    |
| 11CB1175  | Skookum West | 624240 | 6989545 | 6513 | 1.8      | 28.2     | 8.4      | 111      | 0.20     | 12.4     | 15.6     | 366      | 4.03        | 10.7     | 0.6     | 2.6      | 2.5      | 61       | 0.2      |
| 11CB1174  | Skookum West | 624189 | 6989545 | 6512 | 1.7      | 35.6     | 12.0     | 85       | 0.20     | 15.4     | 15.1     | 424      | 3.87        | 24.8     | 1.1     | 6.7      | 3.5      | 37       | 0.1      |
| 11CB1173  | Skookum West | 624167 | 6989545 | 6511 | 1.9      | 26.5     | 14.5     | 125      | 0.20     | 16.5     | 20       | 884      | 4.45        | 10.6     | 0.9     | 3.8      | 4.1      | 32       | 0.2      |
| 11CB1172  | Skookum West | 624144 | 6989545 | 6510 | 2.2      | 24.5     | 10.1     | 95       | 0.20     | 18.3     | 13.9     | 728      | 3.52        | 4.1      | 0.8     | 5.5      | 2.7      | 37       | 0.1      |
| 11CB1171  | Skookum West | 624117 | 6989547 | 6509 | 2.2      | 27.3     | 9.4      | 98       | 0.20     | 25.9     | 19.3     | 838      | 4.27        | 7.8      | 0.7     | 9.2      | 3        | 48       | 0.049    |
| 11CB1170  | Skookum West | 624094 | 6989546 | 6508 | 2.3      | 20.5     | 8.0      | 83       | 0.20     | 33.6     | 16.7     | 475      | 3.61        | 4.6      | 0.8     | 31.4     | 3.8      | 50       | 0.2      |
| 11CB1169  | Skookum West | 624068 | 6989541 | 6507 | 2.7      | 20.8     | 7.3      | 86       | 0.20     | 32.7     | 16.9     | 521      | 3.74        | 5.1      | 0.8     | 30.8     | 3.9      | 51       | 0.1      |
| 11CB1168  | Skookum West | 624043 | 6989540 | 6506 | 2.2      | 21.6     | 7.3      | 80       | 0.20     | 34.6     | 14.2     | 403      | 3.16        | 4.2      | 0.8     | 8        | 3.2      | 47       | 0.1      |
| 11CB1167  | Skookum West | 624024 | 6989539 | 6505 | 3.6      | 22.9     | 6.6      | 98       | 0.10     | 23.1     | 15.8     | 686      | 4.09        | 4.7      | 0.8     | 7.1      | 3.1      | 47       | 0.049    |
| 11CB1166  | Skookum West | 623993 | 6989538 | 6504 | 3.4      | 27.7     | 7.0      | 102      | 0.10     | 27.0     | 15.5     | 529      | 4           | 4.6      | 1.1     | 7.6      | 3.6      | 50       | 0.1      |
| 11CB1165  | Skookum West | 623968 | 6989537 | 6503 | 3.6      | 21.9     | 6.5      | 92       | 0.20     | 23.9     | 17.3     | 678      | 4.19        | 4        | 1       | 16.1     | 3.1      | 48       | 0.049    |
| 11CB1164  | Skookum West | 623948 | 6989532 | 6502 | 1.2      | 33.4     | 6.8      | 70       | 0.20     | 27.1     | 12       | 257      | 3.04        | 3.8      | 0.9     | 24.3     | 1.9      | 44       | 0.1      |
| 11CB1163  | Skookum West | 623922 | 6989538 | 6501 | 1.7      | 50.7     | 6.9      | 67       | 0.20     | 27.9     | 18.1     | 452      | 3.3         | 4.2      | 0.7     | 118.9    | 2.1      | 37       | 0.2      |
| 11CB1162  | Skookum West | 623896 | 6989530 | 6500 | 0.6      | 17.1     | 17.6     | 100      | 0.30     | 17.0     | 7.6      | 456      | 2.57        | 2.5      | 0.8     | 18.8     | 1.9      | 25       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB1161  | Skookum West | 623868 | 6989533 | 6499 | 0.5      | 19.5     | 19.5     | 105      | 0.30     | 19.9     | 8.6      | 495      | 2.78        | 3.5      | 0.8     | 9.4      | 1.9      | 27       | 0.2      |
| 11CB1159  | Skookum West | 623844 | 6989532 | 6497 | 0.6      | 12.2     | 5.0      | 94       | 0.05     | 13.6     | 11.8     | 555      | 3.11        | 4.1      | 0.5     | 4.4      | 2.6      | 22       | 0.049    |
| 11CB1158  | Skookum West | 623818 | 6989524 | 6496 | 0.8      | 19.3     | 5.8      | 96       | 0.20     | 16.0     | 13.5     | 638      | 3.68        | 3.3      | 0.6     | 6.7      | 2.4      | 28       | 0.2      |
| 11CB1157  | Skookum West | 623791 | 6989533 | 6495 | 0.7      | 18.2     | 4.9      | 92       | 0.10     | 13.9     | 12.9     | 537      | 3.59        | 3        | 0.5     | 3.4      | 2.5      | 21       | 0.049    |
| 11CB1156  | Skookum West | 623772 | 6989529 | 6494 | 0.6      | 21.0     | 5.0      | 84       | 0.05     | 13.9     | 10.2     | 469      | 3.37        | 3.8      | 0.7     | 1.9      | 3.3      | 22       | 0.2      |
| 11CB1155  | Skookum West | 623742 | 6989523 | 6493 | 0.9      | 27.0     | 4.8      | 82       | 0.10     | 11.1     | 14.8     | 588      | 3.76        | 2.8      | 0.4     | 0.7      | 1.6      | 29       | 0.1      |
| 11CB1154  | Skookum West | 623717 | 6989523 | 6492 | 0.4      | 25.9     | 5.2      | 72       | 0.05     | 12.9     | 13.4     | 442      | 3.49        | 3.2      | 0.4     | 5.9      | 1.7      | 21       | 0.049    |
| 11CB1153  | Skookum West | 623697 | 6989522 | 6491 | 0.4      | 26.2     | 4.3      | 72       | 0.05     | 13.3     | 14.2     | 482      | 3.21        | 3.1      | 0.4     | 2.1      | 1.9      | 20       | 0.049    |
| 11CB1152  | Skookum West | 623670 | 6989524 | 6490 | 0.6      | 25.3     | 5.7      | 76       | 0.05     | 14.2     | 13.7     | 451      | 3.24        | 3.6      | 0.5     | 1.3      | 2.2      | 18       | 0.049    |
| 11CB1151  | Skookum West | 623647 | 6989519 | 6489 | 0.4      | 19.9     | 4.9      | 100      | 0.05     | 13.6     | 16.1     | 561      | 3.46        | 3.9      | 0.5     | 1.5      | 2.9      | 18       | 0.1      |
| 11CB1150  | Skookum West | 623618 | 6989523 | 6488 | 0.6      | 20.4     | 4.8      | 101      | 0.05     | 13.5     | 15.8     | 545      | 3.48        | 3.8      | 0.5     | 1.3      | 3.1      | 19       | 0.049    |
| 11CB1149  | Skookum West | 623596 | 6989524 | 6487 | 0.5      | 22.4     | 3.6      | 99       | 0.05     | 13.0     | 15       | 515      | 3.33        | 2.3      | 0.4     | 1.1      | 2.4      | 21       | 0.049    |
| 11CB0705  | Skookum East | 628054 | 6988592 | 6241 | 1.7      | 41.8     | 7.3      | 66       | 0.05     | 20.6     | 10.1     | 278      | 3.85        | 8.9      | 1.3     | 4.2      | 7.4      | 39       | 0.1      |
| 11CB0704  | Skookum East | 628048 | 6988640 | 6240 | 1.1      | 17.4     | 10.4     | 50       | 0.10     | 16.2     | 7.7      | 273      | 2.49        | 6.6      | 1       | 5.7      | 5.6      | 27       | 0.049    |
| 11CB0703  | Skookum East | 628046 | 6988694 | 6239 | 1.2      | 24.9     | 7.9      | 57       | 0.30     | 23.7     | 9.9      | 568      | 2.49        | 4.2      | 3.2     | 13.6     | 5.5      | 77       | 0.3      |
| 11CB0702  | Skookum East | 628042 | 6988741 | 6238 | 1.2      | 17.3     | 10.6     | 49       | 0.05     | 22.4     | 9        | 254      | 3.08        | 9.3      | 0.6     | 6.7      | 5.1      | 18       | 0.049    |
| 11CB0700  | Skookum East | 628046 | 6988788 | 6236 | 0.9      | 16.6     | 9.5      | 55       | 0.05     | 19.8     | 8.3      | 317      | 3.11        | 8.7      | 0.6     | 3.9      | 5.7      | 15       | 0.049    |
| 11CB0699  | Skookum East | 628047 | 6988838 | 6235 | 1.0      | 14.3     | 8.9      | 51       | 0.05     | 19.0     | 8.2      | 327      | 3.23        | 6.5      | 0.9     | 4.1      | 5.7      | 19       | 0.049    |
| 11CB0698  | Skookum East | 628046 | 6988886 | 6234 | 0.8      | 15.7     | 8.8      | 51       | 0.10     | 22.4     | 8.6      | 281      | 3.13        | 8        | 0.6     | 5.3      | 4.8      | 25       | 0.1      |
| 11CB0697  | Skookum East | 628042 | 6988936 | 6233 | 0.9      | 16.0     | 9.5      | 59       | 0.05     | 20.5     | 9.1      | 398      | 3.39        | 6.9      | 0.7     | 6        | 8.1      | 23       | 0.1      |
| 11CB0696  | Skookum East | 628048 | 6988979 | 6232 | 0.8      | 17.7     | 7.5      | 67       | 0.05     | 15.9     | 7.7      | 463      | 3.23        | 5.1      | 0.6     | 7.6      | 13.1     | 23       | 0.049    |
| 11CB0695  | Skookum East | 628048 | 6989037 | 6231 | 0.8      | 18.4     | 11.0     | 55       | 0.05     | 22.2     | 9.9      | 272      | 2.97        | 9.1      | 0.6     | 2.8      | 8.3      | 15       | 0.1      |
| 11CB0694  | Skookum East | 628045 | 6989098 | 6230 | 0.7      | 19.8     | 9.3      | 63       | 0.40     | 13.8     | 6.7      | 402      | 2.77        | 3.4      | 1.8     | 17.5     | 13.5     | 43       | 0.2      |
| 11CB0693  | Skookum East | 628049 | 6989125 | 6229 | 1.7      | 16.1     | 19.0     | 47       | 0.20     | 19.2     | 7.3      | 273      | 2.66        | 6.4      | 0.8     | 7.3      | 8        | 24       | 0.049    |
| 11CB0692  | Skookum East | 628058 | 6989185 | 6228 | 1.8      | 23.6     | 16.1     | 60       | 0.90     | 17.2     | 10.7     | 925      | 2.64        | 4.2      | 3.2     | 67.3     | 10.8     | 45       | 0.2      |
| 11CB0691  | Skookum East | 628049 | 6989240 | 6227 | 1.2      | 18.0     | 16.2     | 64       | 0.10     | 19.4     | 8.4      | 244      | 3.13        | 5.6      | 0.8     | 8.2      | 13.7     | 17       | 0.2      |
| 11CB0690  | Skookum East | 628046 | 6989287 | 6226 | 1.4      | 9.3      | 13.8     | 44       | 0.20     | 9.6      | 4.9      | 224      | 2.47        | 4.7      | 0.7     | 12.9     | 7        | 19       | 0.2      |
| 11CB0689  | Skookum East | 628043 | 6989330 | 6225 | 1.8      | 11.4     | 9.4      | 45       | 0.20     | 12.6     | 5.8      | 411      | 2.23        | 3.9      | 0.6     | 11.1     | 6        | 19       | 0.2      |
| 11CB0688  | Skookum East | 628051 | 6989387 | 6224 | 1.7      | 16.6     | 13.5     | 47       | 0.20     | 21.6     | 7.5      | 317      | 3.06        | 7.1      | 0.9     | 5.2      | 9.3      | 22       | 0.049    |
| 11CB0687  | Skookum East | 628047 | 6989436 | 6223 | 1.7      | 21.3     | 15.5     | 56       | 0.40     | 22.5     | 9.7      | 273      | 3           | 9        | 1       | 5.2      | 7.6      | 16       | 0.1      |
| 11CB0686  | Skookum East | 628048 | 6989487 | 6222 | 1.3      | 16.0     | 10.6     | 55       | 0.05     | 19.6     | 9.6      | 255      | 3.34        | 10       | 0.6     | 5.5      | 4.3      | 17       | 0.2      |
| 11CB0685  | Skookum East | 628048 | 6989535 | 6221 | 1.0      | 11.1     | 11.5     | 38       | 0.05     | 11.6     | 6.1      | 205      | 2.44        | 5.5      | 0.6     | 7.5      | 2.8      | 17       | 0.049    |
| 11CB0684  | Skookum East | 628048 | 6989589 | 6220 | 1.2      | 20.8     | 10.9     | 62       | 0.05     | 26.9     | 11.5     | 263      | 3.42        | 10.1     | 0.7     | 17.3     | 6.9      | 14       | 0.2      |
| 11CB0683  | Skookum East | 628053 | 6989636 | 6219 | 0.8      | 14.7     | 10.1     | 48       | 0.05     | 18.1     | 8.2      | 220      | 2.6         | 7.5      | 0.7     | 13       | 6.3      | 19       | 0.1      |
| 11CB0682  | Skookum East | 628046 | 6989682 | 6218 | 0.8      | 23.1     | 8.7      | 61       | 0.05     | 21.5     | 12.7     | 429      | 3.39        | 6.4      | 0.6     | 27.1     | 5.1      | 20       | 0.2      |
| 11CB0680  | Skookum East | 628044 | 6989737 | 6216 | 0.8      | 17.3     | 10.4     | 42       | 0.05     | 15.3     | 7.1      | 252      | 2.26        | 5.7      | 0.7     | 10.8     | 3        | 19       | 0.1      |
| 11CB0679  | Skookum East | 628049 | 6989791 | 6215 | 1.1      | 15.2     | 8.7      | 62       | 0.05     | 13.9     | 10.4     | 441      | 3.73        | 7.5      | 0.4     | 3.2      | 1.6      | 14       | 0.049    |
| 11CB0678  | Skookum East | 628050 | 6989844 | 6214 | 1.3      | 21.6     | 8.3      | 60       | 0.05     | 20.9     | 10.6     | 318      | 3.14        | 6.2      | 0.8     | 2.3      | 3.8      | 22       | 0.049    |
| 11CB0677  | Skookum East | 628051 | 6989879 | 6213 | 1.2      | 19.0     | 15.4     | 55       | 0.05     | 14.6     | 6.9      | 248      | 2.51        | 5        | 0.7     | 14.6     | 4.4      | 19       | 0.1      |
| 11CB0676  | Skookum East | 628050 | 6989932 | 6212 | 1.1      | 22.1     | 6.3      | 88       | 0.05     | 30.9     | 13.8     | 609      | 3.84        | 4.2      | 1.1     | 13.8     | 5.4      | 43       | 0.049    |
| 11CB0675  | Skookum East | 628050 | 6989988 | 6211 | 0.7      | 13.6     | 8.8      | 82       | 0.10     | 28.3     | 12.5     | 496      | 3.05        | 3.7      | 0.9     | 8.1      | 3.5      | 33       | 0.1      |
| 11CB0674  | Skookum East | 628047 | 6990042 | 6210 | 0.8      | 21.3     | 7.8      | 101      | 0.20     | 17.7     | 10.9     | 514      | 3.38        | 3.3      | 0.6     | 4        | 3.2      | 23       | 0.2      |
| 11CB0673  | Skookum East | 628054 | 6990091 | 6209 | 0.6      | 15.5     | 5.9      | 90       | 0.10     | 18.7     | 8.8      | 334      | 2.75        | 1.3      | 0.5     | 2.5      | 1.4      | 23       | 0.049    |
| 11CB0672  | Skookum East | 628048 | 6990134 | 6208 | 0.7      | 12.8     | 9.3      | 53       | 0.10     | 13.2     | 5.3      | 157      | 1.96        | 3.5      | 0.6     | 5.1      | 2.2      | 25       | 0.1      |
| 11CB0671  | Skookum East | 628050 | 6990187 | 6207 | 1.8      | 16.1     | 8.5      | 51       | 0.05     | 16.2     | 7.1      | 271      | 2.6         | 4.7      | 0.6     | 1.6      | 3.7      | 57       | 0.2      |
| 11CB0670  | Skookum East | 628045 | 6990242 | 6206 | 1.9      | 24.8     | 8.9      | 68       | 0.05     | 50.2     | 13.8     | 465      | 2.83        | 2.3      | 1.1     | 4.7      | 6.2      | 72       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0669  | Skookum East | 628054 | 6990286 | 6205 | 1.3      | 12.3     | 9.1      | 61       | 0.10     | 13.1     | 7.1      | 282      | 2.27        | 2.5      | 0.9     | 2.7      | 4.5      | 33       | 0.1      |
| 11CB0668  | Skookum East | 628053 | 6990340 | 6204 | 0.7      | 23.0     | 14.3     | 65       | 0.20     | 26.3     | 10.3     | 626      | 2.63        | 1.9      | 1.2     | 4.6      | 3.3      | 77       | 0.2      |
| 11CB0667  | Skookum East | 628038 | 6990386 | 6203 | 1.2      | 12.3     | 11.3     | 57       | 0.05     | 15.0     | 12.2     | 836      | 2.84        | 7.7      | 0.4     | 2        | 2.5      | 21       | 0.2      |
| 11CB0666  | Skookum East | 628053 | 6990438 | 6202 | 0.8      | 13.9     | 12.6     | 61       | 0.05     | 19.4     | 10       | 432      | 2.64        | 4.6      | 0.6     | 2.2      | 3.3      | 34       | 0.1      |
| 11CB0665  | Skookum East | 628050 | 6990487 | 6201 | 0.8      | 14.2     | 9.6      | 50       | 0.10     | 22.9     | 7.4      | 224      | 2.77        | 5.5      | 0.4     | 1.9      | 2.7      | 18       | 0.1      |
| 11CB0664  | Skookum East | 628050 | 6990539 | 6200 | 0.7      | 12.9     | 8.2      | 72       | 0.05     | 15.0     | 12.7     | 629      | 3.46        | 5.1      | 0.5     | 2.8      | 3        | 19       | 0.049    |
| 11CB0663  | Skookum East | 627553 | 6988565 | 6199 | 2.8      | 54.6     | 17.3     | 126      | 0.30     | 23.2     | 6.2      | 373      | 3.15        | 24.4     | 0.8     | 4.6      | 3.8      | 30       | 0.9      |
| 11CB0662  | Skookum East | 627554 | 6988629 | 6198 | 1.7      | 49.8     | 18.7     | 119      | 0.20     | 21.5     | 10.6     | 590      | 2.86        | 19.8     | 0.6     | 3.7      | 4.5      | 18       | 1        |
| 11CB0660  | Skookum East | 627550 | 6988673 | 6196 | 3.0      | 50.4     | 15.0     | 82       | 0.40     | 9.8      | 3.5      | 186      | 2.57        | 18.8     | 0.5     | 2.7      | 2.9      | 10       | 0.3      |
| 11CB0659  | Skookum East | 627552 | 6988724 | 6195 | 5.5      | 85.9     | 18.3     | 170      | 0.40     | 27.6     | 7.9      | 355      | 3.83        | 71.8     | 1.4     | 4.3      | 7.3      | 25       | 0.4      |
| 11CB0658  | Skookum East | 627545 | 6988777 | 6194 | 1.2      | 92.7     | 12.0     | 56       | 0.60     | 16.1     | 7        | 256      | 2.6         | 7.7      | 0.6     | 6.2      | 3        | 28       | 0.1      |
| 11CB0657  | Skookum East | 627547 | 6988827 | 6193 | 0.9      | 58.3     | 11.4     | 89       | 0.30     | 13.2     | 7.8      | 725      | 3.15        | 7.2      | 0.4     | 10.1     | 2        | 14       | 0.2      |
| 11CB0656  | Skookum East | 627550 | 6988877 | 5826 | 1.5      | 18.3     | 11.2     | 68       | 0.30     | 18.8     | 9.3      | 307      | 3.53        | 9.3      | 0.9     | 2.7      | 3.9      | 15       | 0.1      |
| 11CB0655  | Skookum East | 627542 | 6988917 | 5825 | 1.6      | 24.2     | 10.1     | 56       | 0.20     | 25.9     | 10.4     | 266      | 3.25        | 10.1     | 1.1     | 1.7      | 5.7      | 24       | 0.049    |
| 11CB0654  | Skookum East | 627550 | 6988969 | 5824 | 1.4      | 36.6     | 10.4     | 61       | 0.10     | 36.2     | 14.7     | 280      | 3.73        | 10.4     | 1.4     | 1.7      | 6.6      | 19       | 0.049    |
| 11CB0653  | Skookum East | 627547 | 6989028 | 5823 | 1.0      | 22.6     | 8.9      | 49       | 0.05     | 29.6     | 12.6     | 289      | 3.32        | 9.2      | 0.8     | 5.8      | 6.2      | 23       | 0.049    |
| 11CB0652  | Skookum East | 627546 | 6989080 | 5822 | 2.1      | 27.8     | 14.0     | 58       | 0.10     | 43.6     | 10.9     | 300      | 3.18        | 7.8      | 0.9     | 2.6      | 4.3      | 24       | 0.1      |
| 11CB0651  | Skookum East | 627544 | 6989128 | 5821 | 0.9      | 21.6     | 9.8      | 49       | 0.05     | 23.3     | 7.8      | 248      | 2.53        | 5.7      | 0.8     | 1.8      | 1.9      | 20       | 0.1      |
| 11CB0650  | Skookum East | 627549 | 6989180 | 5820 | 1.4      | 20.4     | 12.4     | 50       | 0.05     | 23.9     | 8.8      | 306      | 2.64        | 6.2      | 0.8     | 7.7      | 2.7      | 23       | 0.1      |
| 11CB0649  | Skookum East | 627542 | 6989227 | 5819 | 2.1      | 18.1     | 11.9     | 44       | 0.05     | 13.1     | 4.4      | 192      | 2.17        | 6.4      | 0.6     | 1        | 0.5      | 16       | 0.2      |
| 11CB0648  | Skookum East | 627544 | 6989279 | 5818 | 0.9      | 22.9     | 10.2     | 52       | 0.05     | 18.2     | 9.3      | 331      | 2.93        | 5.5      | 0.9     | 4        | 5.7      | 18       | 0.049    |
| 11CB0647  | Skookum East | 627549 | 6989324 | 5817 | 1.0      | 12.2     | 12.7     | 52       | 0.05     | 8.7      | 9.8      | 615      | 2.81        | 3.9      | 0.6     | 5.6      | 3.9      | 10       | 0.1      |
| 11CB0646  | Skookum East | 627542 | 6989374 | 5816 | 0.8      | 12.2     | 11.6     | 47       | 0.10     | 10.5     | 7.5      | 175      | 2.58        | 3.4      | 1.3     | 8.3      | 10.6     | 30       | 0.049    |
| 11CB0645  | Skookum East | 627540 | 6989411 | 5815 | 1.2      | 16.6     | 11.5     | 45       | 0.10     | 12.0     | 6.7      | 261      | 2.31        | 3.2      | 2.1     | 15       | 9        | 44       | 0.1      |
| 11CB0644  | Skookum East | 627547 | 6989478 | 5814 | 1.4      | 29.1     | 11.8     | 65       | 0.10     | 24.5     | 12       | 547      | 3.17        | 3.8      | 1.2     | 26.5     | 4.3      | 66       | 0.1      |
| 11CB0643  | Skookum East | 627548 | 6989530 | 5813 | 1.5      | 26.3     | 21.5     | 63       | 0.20     | 13.6     | 9.7      | 523      | 2.96        | 3.1      | 1.2     | 13.4     | 6.9      | 45       | 0.2      |
| 11CB0642  | Skookum East | 627550 | 6989580 | 5812 | 1.0      | 23.3     | 12.2     | 58       | 0.05     | 19.8     | 12.2     | 385      | 3.65        | 6.5      | 0.5     | 6.9      | 5.5      | 25       | 0.049    |
| 11CB0640  | Skookum East | 627545 | 6989620 | 5810 | 0.9      | 34.3     | 9.9      | 55       | 0.05     | 23.4     | 10.5     | 398      | 3.02        | 8.7      | 1.3     | 8.6      | 8.1      | 21       | 0.049    |
| 11CB0639  | Skookum East | 627544 | 6989683 | 5809 | 0.9      | 19.8     | 8.8      | 50       | 0.05     | 8.8      | 9        | 366      | 3.01        | 5.4      | 0.6     | 0.249    | 3.1      | 22       | 0.049    |
| 11CB0638  | Skookum East | 627549 | 6989731 | 5808 | 0.9      | 13.8     | 10.6     | 67       | 0.05     | 24.9     | 7.8      | 297      | 3.6         | 3.3      | 0.5     | 1.3      | 12.7     | 17       | 0.2      |
| 11CB0637  | Skookum East | 627550 | 6989785 | 5807 | 1.1      | 37.9     | 9.3      | 55       | 0.05     | 19.7     | 9.4      | 262      | 3.05        | 8.4      | 0.8     | 5.3      | 5.9      | 19       | 0.049    |
| 11CB0636  | Skookum East | 627556 | 6989824 | 5806 | 0.7      | 51.5     | 8.0      | 75       | 0.05     | 9.9      | 13.5     | 523      | 4.34        | 3.2      | 0.5     | 2.1      | 2.7      | 11       | 0.049    |
| 11CB0635  | Skookum East | 627548 | 6989880 | 5805 | 0.8      | 14.1     | 6.8      | 54       | 0.05     | 14.0     | 6.1      | 185      | 2.59        | 3.5      | 0.5     | 11.3     | 11.9     | 19       | 0.1      |
| 11CB0634  | Skookum East | 627553 | 6989932 | 5804 | 1.3      | 16.1     | 11.5     | 49       | 0.05     | 36.2     | 11.6     | 318      | 3.43        | 9.5      | 0.6     | 5.1      | 4.8      | 14       | 0.049    |
| 11CB0633  | Skookum East | 627553 | 6989984 | 5803 | 1.3      | 18.0     | 11.4     | 52       | 0.05     | 22.0     | 11.2     | 375      | 3.28        | 11.2     | 0.6     | 13.1     | 7        | 15       | 0.049    |
| 11CB0632  | Skookum East | 627554 | 6990029 | 5802 | 1.4      | 15.4     | 10.9     | 51       | 0.05     | 16.1     | 7.4      | 261      | 3.1         | 9.5      | 0.8     | 2.6      | 6.2      | 14       | 0.049    |
| 11CB0631  | Skookum East | 627554 | 6990077 | 5801 | 0.8      | 12.7     | 10.5     | 38       | 0.05     | 11.8     | 5.8      | 174      | 2.46        | 6.3      | 0.5     | 1.2      | 4.3      | 20       | 0.049    |
| 11CB0630  | Skookum East | 627553 | 6990121 | 5800 | 1.0      | 14.2     | 11.9     | 46       | 0.05     | 15.7     | 7.5      | 224      | 3.3         | 10.2     | 0.9     | 2.5      | 5.6      | 14       | 0.049    |
| 11CB0629  | Skookum East | 627554 | 6990179 | 5799 | 1.0      | 21.7     | 10.4     | 58       | 0.05     | 22.2     | 10.6     | 389      | 3.38        | 8.2      | 0.7     | 2.4      | 6.7      | 19       | 0.1      |
| 11CB0628  | Skookum East | 627553 | 6990228 | 5798 | 1.1      | 36.1     | 13.5     | 80       | 0.05     | 43.8     | 15.8     | 436      | 3.91        | 7.8      | 0.8     | 1.5      | 11.6     | 16       | 0.2      |
| 11CB0627  | Skookum East | 627554 | 6990273 | 5797 | 1.0      | 18.8     | 11.7     | 45       | 0.05     | 21.0     | 8.3      | 242      | 2.77        | 7.6      | 0.9     | 2.2      | 2.7      | 16       | 0.049    |
| 11CB0626  | Skookum East | 627547 | 6990330 | 5796 | 1.0      | 20.9     | 11.8     | 56       | 0.05     | 26.0     | 11       | 332      | 3.32        | 9.5      | 0.6     | 3.7      | 6.1      | 16       | 0.1      |
| 11CB0625  | Skookum East | 627554 | 6990376 | 5795 | 1.0      | 21.3     | 11.1     | 57       | 0.05     | 22.6     | 10.3     | 333      | 3.11        | 8.7      | 0.8     | 2.1      | 4.6      | 17       | 0.049    |
| 11CB0624  | Skookum East | 627543 | 6990423 | 5794 | 1.4      | 16.8     | 11.4     | 53       | 0.10     | 20.9     | 10.1     | 322      | 3.5         | 10.6     | 0.5     | 1        | 3.7      | 17       | 0.1      |
| 11CB0623  | Skookum East | 627553 | 6990477 | 5793 | 0.8      | 19.4     | 9.0      | 54       | 0.05     | 16.9     | 8.5      | 355      | 3.03        | 6.8      | 0.6     | 0.6      | 1.4      | 19       | 0.1      |
| 11CB0622  | Skookum East | 627556 | 6990525 | 5792 | 0.8      | 31.7     | 10.6     | 63       | 0.05     | 22.1     | 8.8      | 319      | 2.75        | 6.4      | 0.8     | 3.5      | 5.3      | 29       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0620  | Skookum East | 627046 | 6988675 | 5790 | 1.1      | 25.7     | 10.4     | 73       | 0.05     | 19.8     | 14.3     | 335      | 3.77        | 6.9      | 0.4     | 1.8      | 2.9      | 17       | 0.049    |
| 11CB0619  | Skookum East | 627048 | 6988621 | 5789 | 0.8      | 25.9     | 8.4      | 84       | 0.30     | 10.9     | 13.1     | 340      | 3.67        | 4.8      | 0.4     | 1.5      | 1.6      | 15       | 0.1      |
| 11CB0618  | Skookum East | 627046 | 6988567 | 5788 | 1.1      | 20.7     | 11.2     | 60       | 0.20     | 16.5     | 10.8     | 201      | 3.98        | 8.4      | 0.4     | 6.1      | 3        | 27       | 0.049    |
| 11CB0617  | Skookum East | 626937 | 6988551 | 5787 | 0.8      | 22.3     | 8.8      | 62       | 0.20     | 18.9     | 11.4     | 235      | 2.97        | 7.1      | 0.9     | 2.4      | 6.2      | 20       | 0.049    |
| 11CB0616  | Skookum East | 626948 | 6988612 | 5786 | 0.7      | 26.8     | 6.9      | 84       | 0.20     | 17.5     | 15.7     | 317      | 3.55        | 4.9      | 0.7     | 3.6      | 3.5      | 27       | 0.049    |
| 11CB0615  | Skookum East | 626945 | 6988666 | 5785 | 1.0      | 22.9     | 10.5     | 75       | 0.30     | 14.3     | 11       | 250      | 3.21        | 5.1      | 0.6     | 2.8      | 2.5      | 22       | 0.049    |
| 11CB0614  | Skookum East | 626942 | 6988711 | 5784 | 0.9      | 21.5     | 12.4     | 73       | 0.20     | 13.7     | 10.7     | 307      | 2.9         | 5.4      | 0.6     | 3.2      | 3.1      | 20       | 0.049    |
| 11CB0613  | Skookum East | 626940 | 6988769 | 5783 | 1.5      | 29.2     | 17.0     | 92       | 0.10     | 20.3     | 13.4     | 427      | 3.48        | 4.3      | 1       | 2.6      | 3.8      | 34       | 0.2      |
| 11CB0612  | Skookum East | 626946 | 6988809 | 5782 | 1.2      | 29.7     | 11.8     | 101      | 0.30     | 14.7     | 14       | 459      | 3.68        | 6.3      | 0.8     | 3.1      | 4        | 26       | 0.2      |
| 11CB0611  | Skookum East | 626945 | 6988857 | 5781 | 1.2      | 27.6     | 13.6     | 84       | 0.40     | 13.4     | 9.2      | 343      | 2.8         | 4.1      | 0.9     | 2.6      | 3.1      | 24       | 0.3      |
| 11CB0610  | Skookum East | 626944 | 6988910 | 5780 | 1.4      | 26.4     | 11.1     | 67       | 0.40     | 14.1     | 7        | 281      | 2.21        | 5.2      | 0.7     | 0.9      | 3.7      | 20       | 0.2      |
| 11CB0609  | Skookum East | 626940 | 6988958 | 5779 | 2.1      | 40.0     | 16.2     | 70       | 0.30     | 15.9     | 6.8      | 234      | 2.68        | 7.1      | 0.8     | 1.3      | 3.6      | 20       | 0.3      |
| 11CB0608  | Skookum East | 626945 | 6989008 | 5778 | 1.9      | 24.1     | 17.8     | 73       | 0.20     | 21.6     | 7.4      | 282      | 3           | 9.5      | 1       | 3.7      | 3.7      | 24       | 0.3      |
| 11CB0607  | Skookum East | 626948 | 6989066 | 5777 | 1.7      | 38.2     | 21.7     | 57       | 0.90     | 16.4     | 6        | 265      | 2.95        | 7.5      | 2.7     | 5.3      | 5.4      | 34       | 0.3      |
| 11CB0606  | Skookum East | 626941 | 6989115 | 5776 | 1.3      | 15.6     | 12.4     | 59       | 0.10     | 11.4     | 4.9      | 195      | 2.55        | 6.1      | 0.5     | 1.5      | 3.1      | 14       | 0.3      |
| 11CB0605  | Skookum East | 626944 | 6989161 | 5775 | 1.7      | 38.8     | 18.5     | 88       | 0.30     | 18.6     | 6.9      | 266      | 2.74        | 7.6      | 1.9     | 2.2      | 3        | 23       | 0.6      |
| 11CB0604  | Skookum East | 626947 | 6989214 | 5774 | 1.3      | 22.3     | 13.1     | 63       | 0.10     | 13.8     | 8.8      | 309      | 2.61        | 9.3      | 0.9     | 2.4      | 3.3      | 15       | 0.2      |
| 11CB0603  | Skookum East | 626950 | 6989266 | 5773 | 1.1      | 25.8     | 13.9     | 54       | 0.20     | 12.4     | 4.7      | 103      | 1.94        | 6.9      | 0.8     | 0.249    | 0.8      | 16       | 0.2      |
| 11CB0602  | Skookum East | 626945 | 6989319 | 5772 | 1.4      | 22.5     | 10.7     | 56       | 0.10     | 13.6     | 7        | 229      | 2.3         | 7.7      | 0.7     | 1.1      | 1.2      | 17       | 0.1      |
| 11CB0600  | Skookum East | 626950 | 6989367 | 5770 | 1.6      | 23.1     | 17.7     | 51       | 0.20     | 19.0     | 8.6      | 613      | 2.39        | 4.7      | 1.1     | 8.5      | 4.2      | 26       | 0.1      |
| 11CB0599  | Skookum East | 626948 | 6989410 | 5769 | 1.3      | 14.9     | 20.7     | 46       | 0.05     | 19.9     | 7        | 258      | 2.51        | 5.8      | 0.4     | 2.2      | 3.7      | 24       | 0.2      |
| 11CB0598  | Skookum East | 626946 | 6989471 | 5768 | 1.0      | 20.6     | 16.7     | 53       | 0.05     | 54.9     | 12.7     | 355      | 2.83        | 4.4      | 0.7     | 11.8     | 6.5      | 52       | 0.049    |
| 11CB0597  | Skookum East | 626950 | 6989522 | 5767 | 1.2      | 14.3     | 14.8     | 53       | 0.05     | 17.1     | 8.1      | 353      | 2.43        | 5.2      | 0.6     | 9.3      | 4.6      | 29       | 0.1      |
| 11CB0596  | Skookum East | 626949 | 6989568 | 5766 | 1.5      | 13.8     | 15.0     | 51       | 0.05     | 17.7     | 8.5      | 464      | 2.55        | 5.3      | 0.6     | 34       | 4.7      | 24       | 0.1      |
| 11CB0595  | Skookum East | 626950 | 6989615 | 5765 | 1.0      | 14.2     | 14.3     | 57       | 0.20     | 15.9     | 6.4      | 319      | 2.21        | 4.7      | 0.8     | 8.2      | 2.7      | 55       | 0.1      |
| 11CB0594  | Skookum East | 626948 | 6989668 | 5764 | 1.4      | 32.3     | 11.9     | 71       | 0.20     | 79.4     | 21.2     | 1294     | 3.43        | 3.7      | 1.3     | 6.2      | 3.5      | 64       | 0.2      |
| 11CB0593  | Skookum East | 626927 | 6989715 | 5763 | 0.8      | 13.6     | 7.1      | 52       | 0.05     | 13.3     | 8.5      | 250      | 2.36        | 4.1      | 0.6     | 6.3      | 4.8      | 24       | 0.049    |
| 11CB0592  | Skookum East | 626950 | 6989769 | 5762 | 1.5      | 21.0     | 9.0      | 61       | 0.05     | 15.9     | 11.1     | 661      | 2.87        | 3.1      | 0.9     | 5.1      | 4.3      | 40       | 0.049    |
| 11CB0591  | Skookum East | 626950 | 6989816 | 5761 | 1.5      | 21.5     | 8.8      | 56       | 0.05     | 14.8     | 11.5     | 621      | 3.08        | 3.6      | 0.9     | 5.2      | 4.7      | 40       | 0.049    |
| 11CB0590  | Skookum East | 626950 | 6989865 | 5760 | 1.5      | 55.6     | 4.5      | 47       | 0.05     | 57.8     | 14.7     | 301      | 2.68        | 1.3      | 1       | 0.249    | 2        | 49       | 0.049    |
| 11CB0589  | Skookum East | 626949 | 6989918 | 5759 | 2.1      | 35.2     | 5.4      | 66       | 0.05     | 28.0     | 13.1     | 411      | 2.85        | 1.4      | 1.8     | 51       | 3.1      | 56       | 0.1      |
| 11CB0588  | Skookum East | 626947 | 6989964 | 5758 | 2.8      | 39.2     | 9.2      | 76       | 0.05     | 43.7     | 15.4     | 387      | 3.37        | 1.6      | 0.9     | 2        | 2.9      | 46       | 0.049    |
| 11CB0587  | Skookum East | 626941 | 6990016 | 5757 | 3.4      | 19.8     | 10.2     | 50       | 0.10     | 19.4     | 7.7      | 532      | 2.37        | 3.3      | 2.1     | 0.249    | 4.1      | 55       | 0.2      |
| 11CB0586  | Skookum East | 626946 | 6990065 | 5756 | 2.1      | 21.9     | 11.0     | 51       | 0.05     | 21.4     | 8.8      | 365      | 2.89        | 5        | 0.8     | 0.249    | 4.9      | 16       | 0.049    |
| 11CB0585  | Skookum East | 626950 | 6990120 | 5755 | 1.5      | 18.5     | 12.2     | 50       | 0.05     | 14.3     | 6.3      | 382      | 3.07        | 7.5      | 0.4     | 0.249    | 3.4      | 12       | 0.049    |
| 11CB0584  | Skookum East | 626950 | 6990167 | 5754 | 1.3      | 29.2     | 10.0     | 66       | 0.05     | 17.5     | 9.1      | 373      | 3.39        | 8        | 1.4     | 1.8      | 9.2      | 13       | 0.049    |
| 11CB0583  | Skookum East | 626944 | 6990214 | 5753 | 1.3      | 33.8     | 10.4     | 63       | 0.05     | 15.4     | 7.8      | 290      | 3.43        | 5.8      | 1       | 0.5      | 8.3      | 15       | 0.049    |
| 11CB0582  | Skookum East | 626949 | 6990265 | 5752 | 1.0      | 32.2     | 9.0      | 59       | 0.05     | 18.9     | 9        | 322      | 3.19        | 8.1      | 0.7     | 1.8      | 7.7      | 11       | 0.049    |
| 11CB0580  | Skookum East | 626950 | 6990318 | 5750 | 1.0      | 52.8     | 9.6      | 99       | 0.05     | 10.0     | 10.5     | 400      | 4.15        | 4.4      | 0.8     | 1.4      | 10       | 12       | 0.049    |
| 11CB0579  | Skookum East | 626951 | 6990372 | 5749 | 1.1      | 23.7     | 11.2     | 73       | 0.10     | 17.3     | 11.1     | 437      | 3.21        | 7        | 1       | 0.249    | 7.3      | 10       | 0.049    |
| 11CB0578  | Skookum East | 626951 | 6990420 | 5748 | 1.3      | 15.6     | 8.5      | 69       | 0.05     | 12.4     | 9.3      | 558      | 3.38        | 7.6      | 0.4     | 0.249    | 3.3      | 8        | 0.049    |
| 11CB0577  | Skookum East | 626953 | 6990463 | 5747 | 0.9      | 20.9     | 9.9      | 67       | 0.05     | 18.4     | 12.5     | 407      | 2.72        | 7.1      | 0.9     | 0.7      | 4.4      | 11       | 0.049    |
| 11CB0576  | Skookum East | 626951 | 6990509 | 5746 | 1.1      | 19.3     | 9.6      | 49       | 0.05     | 11.8     | 6.9      | 237      | 3.25        | 6.7      | 0.5     | 0.249    | 3.1      | 8        | 0.049    |
| 11CB0575  | Skookum East | 626847 | 6988619 | 5745 | 0.6      | 21.6     | 8.3      | 66       | 0.30     | 11.2     | 10.1     | 224      | 2.87        | 3.7      | 0.7     | 6.1      | 2.9      | 52       | 0.049    |
| 11CB0574  | Skookum East | 626843 | 6988712 | 5744 | 0.7      | 20.1     | 7.8      | 67       | 0.60     | 9.8      | 8.9      | 186      | 2.52        | 4        | 0.6     | 5        | 2.3      | 16       | 0.049    |
| 11CB0573  | Skookum East | 626842 | 6988805 | 5743 | 1.3      | 24.4     | 11.5     | 69       | 0.30     | 13.5     | 10.6     | 452      | 2.5         | 3.9      | 0.8     | 2.7      | 1.7      | 24       | 0.2      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0572  | Skookum East | 626845 | 6988909 | 5742 | 1.3      | 27.8     | 13.8     | 54       | 0.50     | 10.3     | 4.5      | 161      | 1.65        | 4.8      | 3.6     | 11.6     | 2.2      | 21       | 0.5      |
| 11CB0571  | Skookum East | 626849 | 6989011 | 5741 | 1.3      | 22.6     | 12.8     | 63       | 0.50     | 12.1     | 7.3      | 213      | 2.31        | 7.2      | 0.8     | 4.6      | 2.7      | 21       | 0.2      |
| 11CB0570  | Skookum East | 626852 | 6989113 | 5740 | 1.4      | 16.9     | 12.5     | 63       | 0.20     | 12.8     | 6.2      | 218      | 2.51        | 7.6      | 0.6     | 1.5      | 3.5      | 14       | 0.1      |
| 11CB0569  | Skookum East | 626850 | 6989213 | 5739 | 0.5      | 13.7     | 8.1      | 39       | 0.10     | 9.3      | 3.1      | 86       | 1.26        | 3.7      | 0.9     | 2.8      | 1.1      | 17       | 0.049    |
| 11CB0568  | Skookum East | 626852 | 6989299 | 5738 | 1.2      | 20.7     | 12.0     | 58       | 0.10     | 12.7     | 6        | 203      | 2.18        | 6.6      | 0.9     | 4.2      | 1.3      | 14       | 0.1      |
| 11CB0567  | Skookum East | 626848 | 6989411 | 5737 | 0.8      | 19.8     | 5.6      | 56       | 0.05     | 16.5     | 9.3      | 205      | 1.88        | 2.5      | 1.4     | 15.4     | 3.6      | 31       | 0.1      |
| 11CB0566  | Skookum East | 626842 | 6989519 | 5736 | 2.6      | 26.7     | 21.9     | 51       | 0.10     | 23.7     | 8.2      | 377      | 2.57        | 2.4      | 4.3     | 5.6      | 5.7      | 44       | 0.049    |
| 11CB0565  | Skookum East | 626852 | 6989616 | 5735 | 0.8      | 38.4     | 7.3      | 49       | 0.05     | 25.7     | 10.5     | 330      | 2.88        | 3.1      | 1.5     | 4.8      | 2.9      | 35       | 0.049    |
| 11CB0564  | Skookum East | 626849 | 6989711 | 5734 | 0.6      | 34.7     | 5.8      | 40       | 0.05     | 15.6     | 8.1      | 261      | 2.09        | 2.8      | 0.5     | 2.2      | 2.1      | 21       | 0.049    |
| 11CB0563  | Skookum East | 626847 | 6989818 | 5733 | 0.8      | 23.4     | 5.9      | 39       | 0.10     | 14.1     | 9.1      | 591      | 2.17        | 3.9      | 0.2     | 1.4      | 1        | 20       | 0.049    |
| 11CB0562  | Skookum East | 626854 | 6989902 | 5732 | 0.9      | 26.4     | 9.9      | 44       | 0.05     | 17.1     | 8.4      | 215      | 2.58        | 4.4      | 0.3     | 2.1      | 1.6      | 18       | 0.1      |
| 11CB0560  | Skookum East | 626842 | 6990015 | 5730 | 0.8      | 22.3     | 8.0      | 69       | 0.10     | 13.8     | 11.1     | 545      | 3.08        | 2.8      | 0.5     | 4.5      | 4.2      | 21       | 0.1      |
| 11CB0559  | Skookum East | 626858 | 6990115 | 5729 | 1.3      | 13.9     | 9.9      | 49       | 0.05     | 17.1     | 8.1      | 225      | 2.73        | 8.5      | 0.5     | 2.4      | 4.4      | 11       | 0.1      |
| 11CB0558  | Skookum East | 626853 | 6990212 | 5728 | 1.2      | 23.1     | 9.1      | 59       | 0.05     | 19.4     | 10.7     | 294      | 3.17        | 6.8      | 0.5     | 1.1      | 5.8      | 9        | 0.1      |
| 11CB0557  | Skookum East | 626853 | 6990300 | 5727 | 1.1      | 21.2     | 9.2      | 56       | 0.05     | 15.9     | 9.9      | 324      | 2.96        | 8.9      | 1       | 8.4      | 6.1      | 9        | 0.049    |
| 11CB0556  | Skookum East | 626850 | 6990414 | 5726 | 0.9      | 16.9     | 9.0      | 69       | 0.05     | 19.7     | 9.1      | 355      | 3.47        | 7.6      | 0.7     | 1.3      | 7        | 10       | 0.049    |
| 11CB0555  | Skookum East | 626838 | 6990519 | 5725 | 0.8      | 17.4     | 9.8      | 55       | 0.05     | 14.8     | 7.8      | 237      | 3           | 6.6      | 0.8     | 2.7      | 4.2      | 8        | 0.1      |
| 11CB0554  | Skookum East | 626652 | 6990507 | 5724 | 1.2      | 23.9     | 11.6     | 64       | 0.05     | 20.1     | 11       | 399      | 3.18        | 7.1      | 0.7     | 2.7      | 5.6      | 14       | 0.049    |
| 11CB0553  | Skookum East | 626650 | 6990413 | 5723 | 1.0      | 19.4     | 10.8     | 47       | 0.05     | 25.6     | 9.7      | 388      | 2.51        | 6.8      | 0.8     | 23.9     | 2.4      | 19       | 0.049    |
| 11CB0552  | Skookum East | 626649 | 6990313 | 5722 | 0.8      | 10.0     | 10.9     | 53       | 0.05     | 6.7      | 9.2      | 1610     | 1.81        | 2        | 0.4     | 1.6      | 2.7      | 9        | 0.1      |
| 11CB0551  | Skookum East | 626653 | 6990212 | 5721 | 1.0      | 15.2     | 10.3     | 46       | 0.10     | 16.2     | 6.6      | 311      | 2.5         | 8        | 0.7     | 3.7      | 4.9      | 11       | 0.1      |
| 11CB0550  | Skookum East | 626647 | 6990109 | 5720 | 1.1      | 18.3     | 13.0     | 50       | 0.10     | 20.4     | 8.3      | 318      | 2.63        | 6.8      | 0.6     | 1.2      | 3.7      | 16       | 0.049    |
| 11CB0549  | Skookum East | 626651 | 6990012 | 5719 | 1.1      | 15.2     | 8.7      | 43       | 0.05     | 16.7     | 7.9      | 223      | 3.01        | 7        | 0.4     | 3.7      | 2.3      | 13       | 0.049    |
| 11CB0548  | Skookum East | 626654 | 6989913 | 5718 | 0.8      | 19.1     | 11.2     | 45       | 0.05     | 22.6     | 9.2      | 234      | 2.76        | 9.1      | 0.4     | 4.3      | 3        | 12       | 0.049    |
| 11CB0547  | Skookum East | 626652 | 6989812 | 5717 | 1.3      | 10.1     | 10.8     | 32       | 0.20     | 11.4     | 11.1     | 1015     | 1.91        | 4.4      | 0.4     | 3.4      | 2.2      | 13       | 0.049    |
| 11CB0546  | Skookum East | 626650 | 6989715 | 5716 | 1.0      | 15.0     | 15.5     | 42       | 0.05     | 18.3     | 7.2      | 299      | 2.58        | 5.8      | 0.5     | 3.5      | 2.8      | 25       | 0.1      |
| 11CB0545  | Skookum East | 626655 | 6989612 | 5715 | 0.4      | 53.8     | 3.2      | 58       | 0.05     | 9.4      | 12.7     | 438      | 3.44        | 2.1      | 0.5     | 1.2      | 2.9      | 20       | 0.049    |
| 11CB0544  | Skookum East | 626645 | 6989518 | 5714 | 0.7      | 18.5     | 11.3     | 48       | 0.05     | 19.6     | 8.8      | 278      | 2.52        | 7        | 0.7     | 41       | 3.9      | 15       | 0.049    |
| 11CB0543  | Skookum East | 626656 | 6989417 | 5713 | 1.2      | 14.7     | 10.0     | 46       | 0.20     | 14.8     | 6.1      | 176      | 2.82        | 7.6      | 0.5     | 5.8      | 4.7      | 13       | 0.049    |
| 11CB0542  | Skookum East | 626653 | 6989321 | 5712 | 1.1      | 17.2     | 19.0     | 47       | 0.05     | 22.2     | 7.9      | 240      | 2.55        | 7.7      | 0.7     | 45.5     | 7.7      | 19       | 0.049    |
| 11CB0540  | Skookum East | 626654 | 6989228 | 5710 | 1.0      | 19.8     | 13.9     | 42       | 0.05     | 13.9     | 7.2      | 360      | 2.41        | 4.3      | 1       | 18.8     | 6.2      | 18       | 0.049    |
| 11CB0539  | Skookum East | 626646 | 6989112 | 5709 | 1.3      | 31.6     | 20.4     | 109      | 0.20     | 11.7     | 13.6     | 373      | 4.11        | 8.6      | 1       | 3.1      | 4.4      | 25       | 0.2      |
| 11CB0538  | Skookum East | 626647 | 6989015 | 5708 | 1.3      | 22.9     | 8.3      | 63       | 0.70     | 8.4      | 10       | 220      | 2.7         | 2.9      | 0.9     | 12.8     | 1.8      | 31       | 0.1      |
| 11CB0537  | Skookum East | 626640 | 6988912 | 5707 | 0.7      | 30.6     | 6.5      | 87       | 0.40     | 6.8      | 14.4     | 149      | 3.32        | 1.4      | 0.5     | 5.1      | 1.4      | 19       | 0.049    |
| 11CB0536  | Skookum East | 626650 | 6988808 | 5706 | 0.7      | 17.0     | 11.4     | 59       | 0.40     | 8.7      | 6.2      | 155      | 2.05        | 3.4      | 0.6     | 3.2      | 1.4      | 18       | 0.1      |
| 11CB0535  | Skookum East | 626650 | 6988709 | 5705 | 0.7      | 17.2     | 10.4     | 45       | 0.50     | 10.0     | 5.6      | 113      | 2.01        | 3.2      | 0.7     | 5.2      | 0.8      | 20       | 0.1      |
| 11CB0534  | Skookum East | 626652 | 6988605 | 5704 | 0.8      | 17.5     | 11.9     | 74       | 0.60     | 13.5     | 11.3     | 604      | 2.48        | 3.1      | 0.7     | 4.2      | 1.9      | 68       | 0.9      |
| 11CB0533  | Skookum East | 626449 | 6988550 | 5703 | 1.3      | 13.2     | 10.0     | 72       | 0.20     | 13.6     | 8.5      | 373      | 3.27        | 4.8      | 0.7     | 1.1      | 5.1      | 16       | 0.1      |
| 11CB0532  | Skookum East | 626443 | 6988653 | 5702 | 0.8      | 16.1     | 10.0     | 72       | 0.20     | 14.0     | 11.2     | 512      | 3.49        | 4.7      | 0.9     | 1.4      | 4.9      | 19       | 0.049    |
| 11CB0531  | Skookum East | 626439 | 6988744 | 5701 | 1.2      | 20.7     | 10.7     | 70       | 0.50     | 21.1     | 9.7      | 237      | 3.02        | 4.3      | 0.8     | 4.7      | 2.7      | 32       | 0.049    |
| 11CB0530  | Skookum East | 626443 | 6988853 | 5700 | 0.5      | 19.4     | 7.6      | 101      | 0.05     | 9.7      | 12.3     | 160      | 3.93        | 2.5      | 0.3     | 0.249    | 2.6      | 12       | 0.049    |
| 11CB0529  | Skookum East | 626439 | 6988941 | 5699 | 0.9      | 21.0     | 11.1     | 50       | 0.20     | 43.0     | 11       | 227      | 2.96        | 5.8      | 0.5     | 1.8      | 2.8      | 24       | 0.049    |
| 11CB0528  | Skookum East | 626446 | 6989058 | 5698 | 1.4      | 18.3     | 10.5     | 66       | 0.80     | 8.4      | 8.7      | 195      | 3.23        | 6        | 0.7     | 15.5     | 2.1      | 53       | 0.049    |
| 11CB0527  | Skookum East | 626443 | 6989157 | 5697 | 1.8      | 25.4     | 10.2     | 68       | 0.40     | 9.3      | 12.4     | 384      | 2.93        | 2.9      | 0.7     | 5.7      | 2.1      | 33       | 0.2      |
| 11CB0526  | Skookum East | 626444 | 6989261 | 5696 | 1.4      | 52.0     | 15.2     | 51       | 0.10     | 18.9     | 7.3      | 243      | 2.53        | 7.1      | 0.7     | 26.6     | 4.9      | 22       | 0.2      |
| 11CB0525  | Skookum East | 626450 | 6989342 | 5695 | 1.0      | 21.7     | 10.3     | 63       | 0.05     | 22.4     | 10.8     | 340      | 3.25        | 8.7      | 0.6     | 4.6      | 5.2      | 25       | 0.049    |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0524  | Skookum East | 626446 | 6989456 | 5694 | 1.2      | 17.4     | 16.6     | 60       | 0.10     | 19.1     | 7.7      | 301      | 3.38        | 7.2      | 0.7     | 5.7      | 7.9      | 19       | 0.049    |
| 11CB0523  | Skookum East | 626446 | 6989554 | 5693 | 1.3      | 17.4     | 10.5     | 70       | 0.20     | 12.9     | 10       | 874      | 2.89        | 5        | 0.6     | 6.3      | 4.4      | 20       | 0.2      |
| 11CB0522  | Skookum East | 626442 | 6989657 | 5692 | 1.4      | 23.9     | 12.6     | 75       | 0.05     | 14.6     | 7.3      | 329      | 3.01        | 6.9      | 0.6     | 2.9      | 6        | 16       | 0.2      |
| 11CB0520  | Skookum East | 626452 | 6989756 | 5690 | 3.5      | 25.2     | 19.1     | 60       | 0.30     | 22.6     | 15.4     | 1634     | 2.82        | 7.1      | 1.9     | 18       | 3.8      | 46       | 0.1      |
| 11CB0519  | Skookum East | 626453 | 6989861 | 5689 | 3.9      | 27.8     | 12.5     | 60       | 0.05     | 18.2     | 9        | 498      | 2.5         | 4.7      | 3.8     | 5.7      | 8.8      | 32       | 0.1      |
| 11CB0518  | Skookum East | 626446 | 6989955 | 5688 | 1.1      | 23.4     | 14.5     | 57       | 0.05     | 27.1     | 9.9      | 360      | 3.06        | 7.4      | 0.8     | 3.8      | 6        | 22       | 0.049    |
| 11CB0517  | Skookum East | 626447 | 6990056 | 5687 | 1.3      | 24.7     | 11.7     | 57       | 0.05     | 44.3     | 11.6     | 370      | 3.56        | 8.3      | 1.1     | 1.9      | 7.1      | 18       | 0.049    |
| 11CB0516  | Skookum East | 626451 | 6990151 | 5686 | 1.4      | 16.6     | 13.5     | 58       | 0.05     | 17.6     | 8        | 286      | 3.46        | 6.8      | 0.7     | 1.7      | 7.6      | 25       | 0.049    |
| 11CB0515  | Skookum East | 626448 | 6990260 | 5685 | 2.5      | 16.4     | 11.2     | 60       | 0.05     | 21.3     | 8.5      | 308      | 3.51        | 6.1      | 0.5     | 3.2      | 3        | 11       | 0.049    |
| 11CB0514  | Skookum East | 626453 | 6990356 | 5684 | 2.6      | 27.2     | 10.5     | 55       | 0.05     | 20.6     | 9.2      | 238      | 2.98        | 7.7      | 1.2     | 16.5     | 9.6      | 26       | 0.049    |
| 11CB0513  | Skookum East | 626448 | 6990463 | 5683 | 2.3      | 35.0     | 7.5      | 52       | 0.20     | 18.2     | 10.8     | 532      | 2.38        | 4.4      | 1.6     | 2.6      | 2.6      | 33       | 0.1      |
| 11CB0512  | Skookum East | 626147 | 6990154 | 5682 | 1.2      | 17.7     | 9.8      | 52       | 0.05     | 28.4     | 10.8     | 931      | 3.17        | 7.6      | 0.6     | 10.9     | 5.9      | 16       | 0.049    |
| 11CB0511  | Skookum East | 626142 | 6990251 | 5681 | 2.2      | 37.7     | 8.4      | 55       | 0.10     | 20.2     | 11.1     | 491      | 2.79        | 5.4      | 1.3     | 2.1      | 3.8      | 27       | 0.049    |
| 11CB0510  | Skookum East | 626152 | 6990353 | 5680 | 1.1      | 28.6     | 8.6      | 57       | 0.05     | 20.1     | 9.9      | 317      | 2.88        | 7        | 0.7     | 5.1      | 4.5      | 21       | 0.049    |
| 11CB0509  | Skookum East | 626150 | 6990446 | 5679 | 1.6      | 28.3     | 7.5      | 63       | 0.20     | 13.4     | 8.5      | 436      | 2.3         | 3.6      | 1.2     | 104.6    | 4.1      | 34       | 0.1      |
| 11CB0508  | Skookum East | 626249 | 6990496 | 5678 | 2.9      | 13.8     | 6.1      | 54       | 0.05     | 12.4     | 8.9      | 462      | 2.13        | 3.9      | 1       | 2.9      | 5.2      | 34       | 0.049    |
| 11CB0507  | Skookum East | 626256 | 6990405 | 5677 | 1.7      | 18.1     | 7.4      | 50       | 0.10     | 15.8     | 6.4      | 177      | 1.48        | 1.6      | 2       | 5.3      | 6.7      | 40       | 0.2      |
| 11CB0506  | Skookum East | 626250 | 6990299 | 5676 | 2.4      | 35.4     | 8.9      | 52       | 0.05     | 32.0     | 12.5     | 363      | 2.6         | 5.9      | 1.1     | 6.5      | 4.1      | 31       | 0.049    |
| 11CB0505  | Skookum East | 626250 | 6990209 | 5675 | 1.2      | 34.3     | 9.3      | 49       | 0.05     | 28.4     | 11.3     | 280      | 3.2         | 8.2      | 0.5     | 2.4      | 2.4      | 28       | 0.049    |
| 11CB0504  | Skookum East | 626250 | 6990105 | 5674 | 1.0      | 21.8     | 10.7     | 39       | 0.20     | 16.0     | 6.4      | 197      | 2.55        | 6        | 0.9     | 2.9      | 4        | 12       | 0.049    |
| 11CB0503  | Skookum East | 626255 | 6990008 | 5673 | 1.5      | 12.0     | 9.6      | 47       | 0.05     | 16.3     | 6.7      | 275      | 3.09        | 9.2      | 0.6     | 3.5      | 5.4      | 10       | 0.049    |
| 11CB0502  | Skookum East | 626253 | 6989906 | 5672 | 1.9      | 18.4     | 10.6     | 57       | 0.05     | 28.8     | 12.1     | 443      | 3.42        | 10.5     | 0.6     | 16.4     | 5.8      | 17       | 0.2      |
| 11CB0500  | Skookum East | 626249 | 6989796 | 5670 | 1.0      | 19.7     | 8.2      | 45       | 0.05     | 18.0     | 7.8      | 347      | 2.57        | 6.8      | 0.8     | 20.2     | 5.5      | 22       | 0.2      |
| 11CB0499  | Skookum East | 626252 | 6989698 | 5669 | 0.9      | 24.7     | 9.2      | 52       | 0.05     | 21.1     | 7.7      | 330      | 2.7         | 7.5      | 1.2     | 7.8      | 7.4      | 28       | 0.049    |
| 11CB0498  | Skookum East | 626250 | 6989601 | 5668 | 1.4      | 17.3     | 10.6     | 52       | 0.10     | 20.4     | 8.7      | 280      | 3.31        | 9        | 0.6     | 5.7      | 6.6      | 18       | 0.1      |
| 11CB0497  | Skookum East | 626050 | 6989602 | 5667 | 1.7      | 13.4     | 10.2     | 62       | 0.05     | 15.2     | 10       | 847      | 3.59        | 9        | 0.5     | 33.4     | 2.5      | 10       | 0.2      |
| 11CB0496  | Skookum East | 626050 | 6989696 | 5666 | 1.0      | 19.1     | 9.4      | 52       | 0.05     | 18.3     | 8.7      | 285      | 2.77        | 7.7      | 0.9     | 10.5     | 7.3      | 19       | 0.049    |
| 11CB0495  | Skookum East | 626050 | 6989803 | 5665 | 1.4      | 19.1     | 10.9     | 55       | 0.05     | 21.4     | 9.5      | 287      | 3.56        | 12.9     | 0.5     | 30.5     | 4.6      | 16       | 0.1      |
| 11CB0494  | Skookum East | 626050 | 6989898 | 5664 | 6.0      | 16.3     | 9.8      | 51       | 0.05     | 14.9     | 7.8      | 253      | 3.45        | 8.8      | 0.6     | 80.8     | 4        | 16       | 0.1      |
| 11CB0493  | Skookum East | 626050 | 6990001 | 5663 | 2.0      | 25.2     | 9.8      | 48       | 0.05     | 19.6     | 8.2      | 266      | 3.07        | 9.3      | 0.8     | 15.5     | 6.6      | 16       | 0.049    |
| 11CB0492  | Skookum East | 626049 | 6990099 | 5662 | 1.3      | 17.4     | 10.6     | 46       | 0.05     | 20.6     | 7.9      | 193      | 3.07        | 8.9      | 0.6     | 17.2     | 3.9      | 15       | 0.1      |
| 11CB0491  | Skookum East | 626049 | 6990197 | 5661 | 4.0      | 33.7     | 9.1      | 60       | 0.20     | 19.9     | 11.8     | 516      | 3.48        | 5.2      | 1.7     | 2.4      | 2.5      | 31       | 0.2      |
| 11CB0490  | Skookum East | 626049 | 6990295 | 5660 | 1.3      | 34.6     | 6.4      | 55       | 0.05     | 21.3     | 13.5     | 402      | 2.62        | 4.9      | 0.9     | 2.1      | 2.4      | 35       | 0.049    |
| 11CB0489  | Skookum East | 626047 | 6990410 | 5659 | 2.6      | 17.3     | 6.2      | 49       | 0.05     | 15.2     | 9.1      | 405      | 2.32        | 4.1      | 1.1     | 2.8      | 2.2      | 43       | 0.049    |
| 11CB0488  | Skookum East | 626048 | 6990500 | 5658 | 1.2      | 23.1     | 6.8      | 62       | 0.05     | 18.2     | 10.4     | 241      | 2.77        | 5        | 0.8     | 3        | 2.9      | 34       | 0.049    |
| 11CB0487  | Skookum East | 625946 | 6990501 | 5657 | 1.8      | 18.2     | 7.8      | 55       | 0.10     | 17.9     | 9.6      | 320      | 2.69        | 4.9      | 0.8     | 0.249    | 3.4      | 35       | 0.049    |
| 11CB0486  | Skookum East | 625944 | 6990400 | 5656 | 1.4      | 20.9     | 5.0      | 49       | 0.05     | 15.3     | 8.3      | 249      | 2.3         | 3.3      | 0.9     | 0.6      | 2.4      | 34       | 0.1      |
| 11CB0485  | Skookum East | 625948 | 6990301 | 5655 | 1.7      | 21.9     | 6.8      | 47       | 0.10     | 16.1     | 11.5     | 365      | 2.42        | 5.3      | 1.1     | 1.1      | 2        | 37       | 0.049    |
| 11CB0484  | Skookum East | 625950 | 6990203 | 5654 | 1.7      | 23.7     | 7.8      | 56       | 0.10     | 18.4     | 9.8      | 217      | 2.78        | 5        | 1.2     | 6.8      | 2.5      | 24       | 0.1      |
| 11CB0483  | Skookum East | 625950 | 6990105 | 5653 | 2.2      | 22.6     | 9.2      | 60       | 0.20     | 28.3     | 7.9      | 161      | 2.55        | 5.9      | 1.5     | 14.7     | 4.4      | 26       | 0.2      |
| 11CB0482  | Skookum East | 625950 | 6990003 | 5652 | 2.2      | 22.4     | 10.4     | 54       | 0.05     | 26.0     | 7.9      | 348      | 2.33        | 5.5      | 1.2     | 6.7      | 3.2      | 22       | 0.1      |
| 11CB0480  | Skookum East | 625953 | 6989904 | 5650 | 3.8      | 35.8     | 10.7     | 53       | 0.10     | 23.5     | 8.2      | 317      | 2.83        | 6.7      | 1.2     | 20.4     | 4.9      | 27       | 0.049    |
| 11CB0479  | Skookum East | 625949 | 6989806 | 5649 | 3.4      | 22.3     | 9.3      | 41       | 0.05     | 17.4     | 7.2      | 300      | 2.61        | 6.8      | 1       | 40.7     | 5.4      | 23       | 0.049    |
| 11CB0478  | Skookum East | 625951 | 6989700 | 5648 | 1.6      | 12.2     | 8.3      | 48       | 0.05     | 8.7      | 5.3      | 203      | 3.39        | 5        | 0.7     | 79.9     | 4        | 12       | 0.1      |
| 11CB0477  | Skookum East | 625951 | 6989601 | 5647 | 1.4      | 20.7     | 10.6     | 59       | 0.05     | 24.6     | 11.2     | 410      | 3.19        | 9.5      | 0.8     | 6.6      | 4.7      | 17       | 0.1      |
| 11CB0476  | Skookum East | 626254 | 6989399 | 5646 | 0.8      | 18.6     | 9.8      | 59       | 0.10     | 17.4     | 9.3      | 457      | 2.88        | 5.9      | 1.1     | 3        | 8.9      | 22       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0475  | Skookum East | 626254 | 6989301 | 5645 | 2.3      | 39.4     | 16.8     | 84       | 0.10     | 17.9     | 8.8      | 418      | 2.96        | 8        | 0.8     | 2.4      | 6.3      | 22       | 0.2      |
| 11CB0474  | Skookum East | 626254 | 6989203 | 5644 | 1.6      | 43.3     | 11.2     | 69       | 0.20     | 17.1     | 12.3     | 484      | 3.38        | 5.4      | 1.1     | 3.7      | 5.6      | 26       | 0.1      |
| 11CB0473  | Skookum East | 626250 | 6989097 | 5643 | 0.8      | 24.8     | 9.4      | 87       | 0.40     | 26.0     | 14.7     | 535      | 3.43        | 4.7      | 0.5     | 2        | 2.2      | 28       | 0.049    |
| 11CB0472  | Skookum East | 626249 | 6988974 | 5642 | 1.1      | 27.2     | 9.1      | 68       | 0.20     | 33.6     | 14.4     | 271      | 3.88        | 6.3      | 0.4     | 1.4      | 2        | 17       | 0.1      |
| 11CB0471  | Skookum East | 626258 | 6988908 | 5641 | 0.6      | 23.9     | 8.2      | 58       | 0.10     | 19.4     | 11.3     | 253      | 2.95        | 5        | 0.8     | 6.2      | 3.6      | 27       | 0.049    |
| 11CB0470  | Skookum East | 626244 | 6988805 | 5640 | 1.1      | 14.7     | 8.6      | 65       | 0.30     | 19.3     | 10.9     | 816      | 3.31        | 5.2      | 0.6     | 1.9      | 3.5      | 23       | 0.1      |
| 11CB0469  | Skookum East | 626244 | 6988705 | 5639 | 0.8      | 17.1     | 7.0      | 72       | 0.10     | 18.2     | 9.5      | 609      | 3.23        | 4.9      | 0.6     | 3.1      | 4.4      | 26       | 0.049    |
| 11CB0468  | Skookum East | 626245 | 6988604 | 5638 | 1.1      | 11.6     | 7.5      | 58       | 0.05     | 13.2     | 6.8      | 577      | 2.89        | 6.9      | 0.6     | 0.8      | 3.2      | 16       | 0.049    |
| 11CB0366  | Gertie       | 624372 | 6988078 | 4959 | 3.3      | 55.1     | 8.3      | 103      | 0.05     | 55.8     | 19.9     | 363      | 3.32        | 20       | 2       | 0.249    | 15.3     | 23       | 0.1      |
| 11CB0365  | Gertie       | 624572 | 6988033 | 4958 | 5.3      | 24.7     | 10.2     | 71       | 0.20     | 29.8     | 11.5     | 341      | 3.37        | 10.3     | 1.2     | 0.249    | 9        | 24       | 0.049    |
| 11CB0364  | Gertie       | 624567 | 6987920 | 4957 | 2.7      | 26.7     | 16.4     | 56       | 0.20     | 10.7     | 8.8      | 498      | 3.31        | 8.5      | 1.2     | 0.249    | 7.4      | 29       | 0.1      |
| 11CB0363  | Gertie       | 624583 | 6987830 | 4956 | 3.5      | 19.8     | 15.7     | 18       | 0.20     | 4.0      | 2.5      | 75       | 2.57        | 29.3     | 2.2     | 2.2      | 13       | 30       | 0.049    |
| 11CB0362  | Gertie       | 624583 | 6987728 | 4955 | 1.1      | 21.6     | 17.0     | 63       | 0.10     | 17.3     | 8.8      | 184      | 2.45        | 8        | 1.3     | 2.1      | 6.2      | 18       | 0.1      |
| 11CB0360  | Gertie       | 624292 | 6987323 | 4953 | 0.8      | 23.3     | 6.8      | 74       | 0.10     | 16.9     | 13.1     | 592      | 3.61        | 6.8      | 0.5     | 1.3      | 4.1      | 25       | 0.2      |
| 11CB0359  | Gertie       | 624292 | 6987416 | 4952 | 0.8      | 12.9     | 5.5      | 81       | 0.05     | 12.4     | 14       | 564      | 3           | 2.6      | 0.3     | 0.249    | 2.5      | 15       | 0.049    |
| 11CB0358  | Gertie       | 624293 | 6987512 | 4951 | 0.8      | 11.7     | 8.3      | 76       | 0.10     | 13.1     | 10.6     | 513      | 3.5         | 2.9      | 0.4     | 0.249    | 3.4      | 16       | 0.049    |
| 11CB0357  | Gertie       | 624287 | 6987610 | 4950 | 0.4      | 46.1     | 5.5      | 55       | 0.05     | 21.0     | 21.2     | 301      | 3.57        | 2.6      | 0.4     | 0.249    | 2.4      | 20       | 0.049    |
| 11CB0356  | Gertie       | 624284 | 6987719 | 4949 | 2.4      | 15.8     | 21.6     | 60       | 0.10     | 11.3     | 5.6      | 152      | 2.77        | 11.1     | 1       | 2.3      | 7.9      | 21       | 0.1      |
| 11CB0355  | Gertie       | 624277 | 6987819 | 4948 | 1.9      | 18.3     | 20.4     | 58       | 0.40     | 17.2     | 7        | 187      | 2.77        | 8.6      | 0.6     | 0.249    | 6        | 18       | 0.2      |
| 11CB0354  | Gertie       | 624271 | 6987912 | 4947 | 3.7      | 22.1     | 31.4     | 41       | 0.20     | 10.5     | 5.2      | 168      | 3.97        | 7.5      | 2.5     | 1.1      | 18.1     | 52       | 0.049    |
| 11CB0353  | Gertie       | 624267 | 6988012 | 4946 | 1.5      | 9.8      | 11.1     | 36       | 0.20     | 9.2      | 4.8      | 187      | 2.25        | 4.5      | 0.6     | 0.7      | 3.2      | 22       | 0.049    |
| 11CB0352  | Gertie       | 624265 | 6988119 | 4945 | 2.8      | 14.5     | 7.5      | 93       | 0.05     | 13.3     | 17.2     | 244      | 4.25        | 8.6      | 0.5     | 0.249    | 1.9      | 20       | 0.1      |
| 11CB0351  | Gertie       | 624065 | 6988111 | 4944 | 3.2      | 16.5     | 8.5      | 101      | 0.20     | 24.2     | 12.9     | 457      | 3.26        | 36.8     | 1.4     | 0.249    | 8.1      | 34       | 0.049    |
| 11CB0350  | Gertie       | 624069 | 6988009 | 4943 | 2.4      | 13.3     | 26.2     | 116      | 0.30     | 15.6     | 6.5      | 277      | 3.4         | 20.6     | 3.1     | 1.3      | 11.3     | 70       | 0.1      |
| 11CB0349  | Gertie       | 624077 | 6987911 | 4942 | 2.7      | 26.2     | 54.1     | 114      | 0.20     | 8.1      | 4.4      | 217      | 2.89        | 9.6      | 1.6     | 0.249    | 7.8      | 22       | 0.2      |
| 11CB0348  | Gertie       | 624077 | 6987806 | 4941 | 1.8      | 18.0     | 47.0     | 56       | 0.40     | 11.9     | 5.3      | 188      | 2.88        | 18.3     | 0.9     | 3.5      | 10.4     | 19       | 0.1      |
| 11CB0347  | Gertie       | 624080 | 6987713 | 4940 | 1.1      | 32.9     | 12.9     | 60       | 0.05     | 24.1     | 10.5     | 356      | 3.05        | 8.1      | 2.8     | 8.7      | 25.4     | 21       | 0.049    |
| 11CB0346  | Gertie       | 624085 | 6987613 | 4939 | 0.9      | 56.2     | 9.9      | 61       | 0.10     | 38.9     | 22.1     | 406      | 4.06        | 7.7      | 0.6     | 3        | 3        | 21       | 0.1      |
| 11CB0345  | Gertie       | 624092 | 6987521 | 4938 | 0.9      | 13.3     | 6.5      | 72       | 0.05     | 25.4     | 15.8     | 703      | 3.97        | 5.2      | 0.4     | 0.249    | 3.5      | 34       | 0.049    |
| 11CB0344  | Gertie       | 624095 | 6987414 | 4937 | 0.8      | 22.0     | 10.2     | 68       | 0.10     | 25.8     | 13.4     | 395      | 3.08        | 9.4      | 0.5     | 2.8      | 3.6      | 20       | 0.049    |
| 11CB0343  | Gertie       | 624103 | 6987316 | 4936 | 1.2      | 10.5     | 7.5      | 59       | 0.05     | 11.4     | 9.8      | 357      | 2.95        | 8.2      | 0.4     | 1.4      | 3        | 20       | 0.049    |
| 11CB0342  | Gertie       | 624101 | 6987210 | 4935 | 1.0      | 24.3     | 10.7     | 66       | 0.10     | 20.0     | 13.7     | 410      | 3.35        | 8.8      | 0.9     | 1.8      | 7.6      | 24       | 0.049    |
| 11CB0340  | Gertie       | 624674 | 6987693 | 4933 | 1.9      | 14.3     | 20.2     | 80       | 0.20     | 13.1     | 8.7      | 335      | 2.66        | 9.1      | 1.1     | 4        | 5.2      | 22       | 0.1      |
| 11CB0339  | Gertie       | 624683 | 6987625 | 4932 | 1.6      | 15.7     | 18.7     | 65       | 0.20     | 12.2     | 8.8      | 374      | 2.51        | 9.8      | 1.6     | 18.2     | 8.4      | 29       | 0.049    |
| 11CB0338  | Gertie       | 624686 | 6987587 | 4931 | 0.8      | 17.7     | 9.1      | 61       | 0.05     | 15.3     | 8.5      | 250      | 2.69        | 8.1      | 1.1     | 1.4      | 14.6     | 20       | 0.049    |
| 11CB0337  | Gertie       | 624685 | 6987530 | 4930 | 1.1      | 21.8     | 16.9     | 74       | 0.05     | 22.5     | 10.9     | 553      | 2.91        | 11.1     | 1.3     | 4.2      | 20.5     | 26       | 0.049    |
| 11CB0336  | Gertie       | 624786 | 6987580 | 4929 | 0.6      | 14.4     | 9.4      | 90       | 0.05     | 9.5      | 10.9     | 433      | 3.05        | 4.2      | 1.1     | 2        | 14.7     | 18       | 0.049    |
| 11CB0335  | Gertie       | 624796 | 6987638 | 4928 | 2.8      | 16.1     | 51.2     | 76       | 0.30     | 8.1      | 5        | 212      | 2.7         | 19.4     | 2.4     | 10.6     | 10.5     | 29       | 0.049    |
| 11CB0334  | Gertie       | 624783 | 6987668 | 4927 | 3.4      | 14.2     | 48.1     | 69       | 0.20     | 5.9      | 4.1      | 177      | 2.54        | 23.1     | 1.9     | 310.8    | 10       | 30       | 0.1      |
| 11CB0333  | Gertie       | 624783 | 6987731 | 4926 | 2.2      | 16.4     | 40.1     | 74       | 0.20     | 8.0      | 4.9      | 168      | 2.55        | 15.9     | 2.2     | 8.1      | 7.8      | 36       | 0.049    |
| 11CB0332  | Gertie       | 624774 | 6987779 | 4925 | 2.6      | 15.3     | 21.0     | 53       | 0.20     | 8.3      | 5.6      | 199      | 2.78        | 12.8     | 1.8     | 3.6      | 8        | 32       | 0.049    |
| 11CB0331  | Gertie       | 624781 | 6987827 | 4924 | 3.9      | 17.3     | 35.7     | 77       | 0.40     | 7.4      | 6.5      | 313      | 3.35        | 12.4     | 4.5     | 4.7      | 19.2     | 63       | 0.1      |
| 11CB0330  | Gertie       | 624775 | 6987882 | 4923 | 2.6      | 34.2     | 10.5     | 56       | 0.05     | 18.8     | 8.2      | 272      | 2.82        | 9        | 1.2     | 2.4      | 10       | 32       | 0.049    |
| 11CB0329  | Gertie       | 624765 | 6987939 | 4922 | 2.8      | 27.3     | 10.9     | 70       | 0.05     | 24.9     | 9.6      | 510      | 3.08        | 12.4     | 1.3     | 2.6      | 13.3     | 25       | 0.049    |
| 11CB0328  | Gertie       | 624787 | 6987994 | 4921 | 1.8      | 12.5     | 10.8     | 66       | 0.05     | 15.6     | 10.1     | 392      | 2.96        | 8.6      | 0.4     | 1.5      | 2.4      | 18       | 0.049    |
| 11CB0327  | Gertie       | 623598 | 6987389 | 4920 | 1.7      | 27.4     | 15.8     | 67       | 0.05     | 18.9     | 10.4     | 425      | 3.08        | 9.2      | 1.9     | 3.9      | 13.5     | 23       | 0.049    |



| Sample No | Area   | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0326  | Gertie | 623593 | 6987436 | 4919 | 1.4      | 40.9     | 22.4     | 76       | 0.20     | 11.0     | 10.7     | 658      | 3.62        | 226.6    | 1.7     | 4.5      | 11.9     | 22       | 0.1      |
| 11CB0325  | Gertie | 623588 | 6987485 | 4918 | 1.9      | 17.0     | 15.8     | 52       | 0.20     | 10.3     | 9.1      | 356      | 2.72        | 22.4     | 3       | 3.1      | 12.7     | 26       | 0.049    |
| 11CB0324  | Gertie | 623589 | 6987539 | 4917 | 0.6      | 21.3     | 7.8      | 67       | 0.05     | 13.8     | 11.6     | 637      | 3.38        | 8.1      | 1.2     | 2.8      | 5        | 28       | 0.049    |
| 11CB0323  | Gertie | 623585 | 6987587 | 4916 | 0.6      | 12.7     | 5.4      | 62       | 0.05     | 10.2     | 10.9     | 494      | 3.43        | 5        | 0.6     | 1.4      | 3.1      | 19       | 0.1      |
| 11CB0322  | Gertie | 623583 | 6987640 | 4915 | 0.5      | 31.7     | 6.0      | 58       | 0.05     | 17.8     | 16.4     | 345      | 3.43        | 3.8      | 0.4     | 2.9      | 1.8      | 28       | 0.049    |
| 11CB0320  | Gertie | 623582 | 6987691 | 4913 | 0.4      | 28.1     | 4.8      | 79       | 0.05     | 13.6     | 15.6     | 386      | 3.51        | 3.2      | 0.5     | 7.3      | 2.1      | 25       | 0.049    |
| 11CB0319  | Gertie | 623580 | 6987741 | 4912 | 0.6      | 29.1     | 5.0      | 80       | 0.05     | 14.1     | 14.9     | 385      | 3.52        | 3.4      | 0.5     | 8.4      | 2.2      | 24       | 0.049    |
| 11CB0318  | Gertie | 623574 | 6987786 | 4911 | 1.1      | 18.3     | 12.5     | 177      | 0.20     | 13.2     | 11.1     | 322      | 3           | 6.9      | 2.3     | 1.8      | 4.7      | 29       | 0.2      |
| 11CB0317  | Gertie | 623574 | 6987837 | 4910 | 1.1      | 14.4     | 10.3     | 178      | 0.10     | 10.8     | 8.9      | 236      | 2.62        | 5.7      | 1.8     | 2.3      | 4        | 25       | 0.1      |
| 11CB0316  | Gertie | 623578 | 6987885 | 4909 | 1.8      | 15.2     | 52.7     | 80       | 0.30     | 7.2      | 5.2      | 259      | 2.87        | 14.6     | 2.5     | 5.5      | 12.1     | 88       | 0.1      |
| 11CB0315  | Gertie | 623572 | 6987939 | 4908 | 3.0      | 15.5     | 88.3     | 195      | 0.30     | 4.2      | 5.4      | 223      | 3.65        | 38.6     | 3       | 5        | 20.9     | 65       | 0.2      |
| 11CB0314  | Gertie | 623566 | 6987986 | 4907 | 4.0      | 25.7     | 187.7    | 145      | 1.30     | 9.3      | 3.8      | 177      | 4.53        | 41.7     | 5       | 6.2      | 16.5     | 116      | 0.3      |
| 11CB0313  | Gertie | 623561 | 6988037 | 4906 | 3.6      | 17.7     | 89.7     | 133      | 0.70     | 11.1     | 6.2      | 170      | 3           | 19.5     | 5.2     | 6.7      | 17.8     | 38       | 0.1      |
| 11CB0312  | Gertie | 623561 | 6988084 | 4905 | 1.8      | 16.2     | 13.8     | 67       | 0.05     | 12.2     | 7.4      | 379      | 2.22        | 4.4      | 0.9     | 0.249    | 4.5      | 20       | 0.2      |
| 11CB0311  | Gertie | 623556 | 6988142 | 4904 | 1.5      | 16.6     | 6.1      | 67       | 0.05     | 13.1     | 10.5     | 276      | 3.06        | 4.4      | 0.6     | 0.249    | 2.9      | 12       | 0.049    |
| 11CB0310  | Gertie | 623562 | 6988189 | 4903 | 2.9      | 23.5     | 11.2     | 56       | 0.05     | 10.6     | 6.6      | 326      | 2.66        | 5        | 0.8     | 0.249    | 3.4      | 29       | 0.049    |
| 11CB0309  | Gertie | 623559 | 6988240 | 4902 | 1.1      | 14.7     | 8.1      | 54       | 0.10     | 20.1     | 11.6     | 586      | 2.79        | 7.2      | 0.5     | 0.249    | 3.4      | 24       | 0.049    |
| 11CB0308  | Gertie | 623393 | 6987335 | 4901 | 1.4      | 37.8     | 21.3     | 70       | 0.20     | 21.6     | 11.3     | 324      | 2.62        | 9.6      | 2.2     | 1.5      | 8.1      | 41       | 0.4      |
| 11CB0307  | Gertie | 623397 | 6987376 | 4900 | 1.1      | 30.6     | 11.7     | 87       | 0.05     | 22.9     | 20.2     | 546      | 3.81        | 8.5      | 1       | 0.249    | 6.6      | 28       | 0.1      |
| 11CB0306  | Gertie | 623393 | 6987429 | 4899 | 2.5      | 46.5     | 18.8     | 78       | 0.20     | 33.8     | 13.1     | 327      | 3.08        | 22.3     | 1.3     | 3        | 8.5      | 24       | 0.2      |
| 11CB0305  | Gertie | 623389 | 6987482 | 4898 | 2.1      | 33.2     | 42.5     | 88       | 0.10     | 12.7     | 12.2     | 285      | 3.5         | 28.2     | 0.9     | 2.1      | 5.1      | 24       | 0.2      |
| 11CB0304  | Gertie | 623388 | 6987532 | 4897 | 2.2      | 27.2     | 14.7     | 89       | 0.20     | 14.9     | 14.3     | 412      | 4.82        | 23       | 9.8     | 0.6      | 13.8     | 96       | 0.049    |
| 11CB0303  | Gertie | 623372 | 6987599 | 4896 | 2.0      | 23.4     | 15.3     | 72       | 0.20     | 18.8     | 11.4     | 679      | 3.61        | 21.2     | 2.5     | 15.2     | 10.1     | 79       | 0.2      |
| 11CB0302  | Gertie | 623385 | 6987629 | 4895 | 1.3      | 27.6     | 9.9      | 57       | 0.10     | 23.1     | 14.1     | 516      | 3.67        | 14.6     | 1.3     | 2.3      | 4.5      | 32       | 0.2      |
| 11CB0300  | Gertie | 623389 | 6987684 | 4893 | 0.7      | 20.2     | 13.0     | 51       | 0.05     | 17.0     | 9.9      | 396      | 2.55        | 5.8      | 1.5     | 6.7      | 24.4     | 19       | 0.1      |
| 11CB0299  | Gertie | 623383 | 6987734 | 4892 | 0.7      | 23.4     | 8.0      | 63       | 0.05     | 15.4     | 12.8     | 490      | 2.99        | 4.8      | 1.7     | 0.249    | 17.9     | 93       | 0.049    |
| 11CB0298  | Gertie | 623380 | 6987787 | 4891 | 0.7      | 14.6     | 6.8      | 66       | 0.05     | 27.4     | 13       | 174      | 2.44        | 3.3      | 0.6     | 0.249    | 3.4      | 36       | 0.049    |
| 11CB0297  | Gertie | 623371 | 6987826 | 4890 | 1.0      | 11.6     | 7.7      | 76       | 0.05     | 12.7     | 9.7      | 414      | 3.13        | 4.7      | 1.2     | 0.249    | 7        | 19       | 0.049    |
| 11CB0296  | Gertie | 623372 | 6987885 | 4889 | 1.2      | 15.9     | 8.5      | 60       | 0.10     | 22.1     | 10.6     | 331      | 2.94        | 7.3      | 0.6     | 4.2      | 4.8      | 21       | 0.049    |
| 11CB0295  | Gertie | 623374 | 6987931 | 4888 | 1.1      | 9.7      | 9.9      | 72       | 0.05     | 15.8     | 8.2      | 163      | 2.45        | 5.3      | 0.3     | 0.249    | 2.4      | 15       | 0.049    |
| 11CB0294  | Gertie | 623367 | 6987980 | 4887 | 1.4      | 15.8     | 15.6     | 46       | 0.10     | 16.2     | 7.3      | 201      | 2.68        | 9.3      | 1.3     | 1.3      | 6.5      | 30       | 0.049    |
| 11CB0293  | Gertie | 623368 | 6988031 | 4886 | 2.1      | 9.4      | 228.0    | 67       | 0.50     | 8.8      | 3.7      | 120      | 3.04        | 36.4     | 2       | 4.8      | 13.9     | 43       | 0.2      |
| 11CB0292  | Gertie | 623366 | 6988083 | 4885 | 1.4      | 22.6     | 12.3     | 59       | 0.05     | 23.5     | 9.9      | 312      | 3.01        | 9.2      | 0.9     | 1.3      | 8.2      | 17       | 0.049    |
| 11CB0291  | Gertie | 623366 | 6988129 | 4884 | 2.1      | 16.4     | 14.0     | 59       | 0.30     | 15.9     | 9        | 246      | 3.18        | 8.5      | 0.9     | 0.249    | 5.9      | 13       | 0.1      |
| 11CB0290  | Gertie | 623362 | 6988180 | 4883 | 1.5      | 13.8     | 13.2     | 68       | 0.20     | 7.7      | 8.7      | 413      | 3.02        | 3.8      | 2.5     | 0.249    | 14.7     | 36       | 0.1      |
| 11CB0289  | Gertie | 623360 | 6988231 | 4882 | 1.5      | 12.1     | 12.1     | 48       | 0.20     | 9.3      | 7.4      | 401      | 2.81        | 8.2      | 1       | 9        | 7.5      | 40       | 0.049    |
| 11CB0288  | Gertie | 623363 | 6988287 | 4881 | 2.1      | 14.5     | 12.6     | 65       | 0.05     | 21.1     | 8.3      | 454      | 3           | 6.7      | 0.5     | 0.8      | 3.4      | 22       | 0.049    |
| 11CB0287  | Gertie | 623189 | 6987517 | 4401 | 3.6      | 27.5     | 68.5     | 178      | 0.30     | 9.2      | 5.8      | 317      | 2.63        | 22.9     | 1.9     | 10.3     | 14.3     | 14       | 0.4      |
| 11CB0286  | Gertie | 623179 | 6987571 | 4400 | 2.8      | 18.5     | 13.9     | 52       | 0.05     | 8.4      | 11.5     | 583      | 3.44        | 26       | 2       | 3.4      | 17.6     | 78       | 0.049    |
| 11CB0285  | Gertie | 623183 | 6987627 | 4399 | 0.8      | 19.4     | 18.4     | 68       | 0.05     | 13.6     | 6.6      | 284      | 2.41        | 12.4     | 1.2     | 1.3      | 28.8     | 19       | 0.049    |
| 11CB0284  | Gertie | 623185 | 6987674 | 4398 | 1.4      | 26.0     | 13.2     | 69       | 0.05     | 33.4     | 11.3     | 415      | 3.44        | 21.5     | 1       | 3        | 7.8      | 27       | 0.2      |
| 11CB0283  | Gertie | 623184 | 6987722 | 4397 | 0.5      | 54.4     | 4.6      | 99       | 0.05     | 32.1     | 27.7     | 575      | 3.94        | 4.8      | 0.4     | 1.6      | 2.4      | 31       | 0.049    |
| 11CB0282  | Gertie | 623176 | 6987773 | 4396 | 0.8      | 30.2     | 5.9      | 83       | 0.10     | 31.4     | 22.1     | 440      | 3.61        | 4.7      | 0.2     | 0.6      | 1.2      | 36       | 0.049    |
| 11CB0281  | Gertie | 623173 | 6987823 | 4395 | 1.2      | 30.0     | 7.4      | 89       | 0.05     | 15.2     | 16.6     | 607      | 4.69        | 7.2      | 1       | 0.249    | 5.2      | 21       | 0.1      |
| 11CB0280  | Gertie | 623179 | 6987878 | 4394 | 0.9      | 20.6     | 10.6     | 65       | 0.05     | 18.2     | 11.9     | 317      | 3.01        | 4.6      | 1.6     | 1.3      | 15.4     | 26       | 0.049    |
| 11CB0279  | Gertie | 623176 | 6987922 | 4393 | 1.1      | 14.7     | 9.5      | 82       | 0.05     | 9.5      | 11.6     | 534      | 3.99        | 4.3      | 0.9     | 0.7      | 5.4      | 23       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0278  | Gertie       | 623169 | 6987967 | 4392 | 1.1      | 19.0     | 11.7     | 82       | 0.10     | 12.7     | 13.8     | 773      | 4           | 6.5      | 0.9     | 0.7      | 5.4      | 25       | 0.1      |
| 11CB0277  | Gertie       | 623170 | 6988019 | 4391 | 1.1      | 20.2     | 18.3     | 87       | 0.10     | 14.0     | 13.8     | 604      | 3.76        | 8.9      | 1.1     | 1.6      | 5.8      | 30       | 0.049    |
| 11CB0276  | Gertie       | 623173 | 6987823 | 4390 | 1.5      | 14.0     | 26.8     | 80       | 0.20     | 12.0     | 7.5      | 253      | 2.67        | 10.9     | 1.7     | 2.7      | 6.3      | 30       | 0.3      |
| 11CB0275  | Gertie       | 623169 | 6987967 | 4389 | 1.0      | 28.1     | 14.0     | 67       | 0.20     | 20.8     | 11       | 386      | 2.6         | 8.4      | 1.8     | 5.2      | 5.8      | 35       | 0.1      |
| 11CB0274  | Gertie       | 623170 | 6988019 | 4388 | 2.6      | 19.1     | 12.2     | 85       | 0.20     | 13.3     | 7        | 575      | 2.3         | 32.2     | 2.7     | 2.7      | 7.1      | 63       | 0.3      |
| 11CB0273  | Gertie       | 623167 | 6988072 | 4387 | 2.9      | 19.3     | 12.8     | 83       | 0.20     | 13.8     | 6.9      | 596      | 2.32        | 37.6     | 2.5     | 2.9      | 8.4      | 52       | 0.2      |
| 11CB0272  | Gertie       | 623168 | 6988122 | 4386 | 1.7      | 12.3     | 12.0     | 60       | 0.05     | 15.0     | 7.2      | 267      | 2.33        | 5.7      | 0.8     | 0.249    | 4.3      | 20       | 0.049    |
| 11CB0271  | Gertie       | 623163 | 6988175 | 4385 | 1.3      | 10.5     | 10.9     | 48       | 0.05     | 13.2     | 7        | 264      | 2.37        | 4.3      | 0.3     | 0.7      | 1.5      | 18       | 0.049    |
| 11CB0270  | Gertie       | 623156 | 6988226 | 4384 | 1.5      | 74.6     | 10.8     | 144      | 0.30     | 16.7     | 19.6     | 736      | 4.02        | 2.6      | 1.2     | 4.3      | 7.3      | 26       | 0.2      |
| 11CB0269  | Gertie       | 623157 | 6988326 | 4383 | 1.9      | 16.6     | 10.0     | 79       | 0.05     | 21.2     | 13.2     | 418      | 3.67        | 18.5     | 1.2     | 0.249    | 9        | 34       | 0.049    |
| 11CB0268  | Gertie       | 623080 | 6987584 | 4382 | 1.6      | 28.2     | 15.1     | 69       | 0.05     | 26.9     | 11.6     | 413      | 3.2         | 28.9     | 1.3     | 2.1      | 20.1     | 28       | 0.1      |
| 11CB0267  | Gertie       | 623083 | 6987620 | 4381 | 1.5      | 34.6     | 19.6     | 65       | 0.05     | 23.8     | 7.9      | 217      | 3.04        | 17.4     | 1.2     | 0.249    | 7.4      | 27       | 0.049    |
| 11CB0266  | Gertie       | 623081 | 6987670 | 4380 | 0.6      | 26.4     | 4.6      | 86       | 0.05     | 17.1     | 12.8     | 554      | 4.02        | 3.9      | 0.7     | 0.249    | 3.3      | 20       | 0.049    |
| 11CB0265  | Gertie       | 623084 | 6987719 | 4379 | 0.7      | 37.4     | 7.2      | 74       | 0.05     | 27.7     | 18.1     | 384      | 3.71        | 6.5      | 0.7     | 0.249    | 4.1      | 25       | 0.049    |
| 11CB0264  | Gertie       | 623078 | 6987772 | 4378 | 0.8      | 25.1     | 8.1      | 59       | 0.05     | 16.7     | 12.7     | 281      | 2.97        | 5.7      | 0.9     | 0.7      | 5.4      | 26       | 0.049    |
| 11CB0263  | Gertie       | 623075 | 6987821 | 4377 | 1.1      | 18.9     | 6.4      | 77       | 0.05     | 15.1     | 12.3     | 386      | 3.41        | 5.5      | 0.7     | 0.249    | 3.2      | 33       | 0.1      |
| 11CB0262  | Gertie       | 623070 | 6987920 | 4376 | 2.9      | 21.1     | 48.1     | 291      | 0.30     | 12.2     | 10.7     | 335      | 3.5         | 13.4     | 3.6     | 0.249    | 9.8      | 48       | 1.1      |
| 11CB0261  | Gertie       | 623071 | 6988072 | 4375 | 2.5      | 22.2     | 46.3     | 286      | 0.30     | 12.1     | 9.8      | 295      | 3.48        | 13.5     | 3.6     | 1.7      | 10       | 46       | 1.1      |
| 11CB0259  | Gertie       | 623063 | 6988120 | 4373 | 2.7      | 18.9     | 67.4     | 116      | 0.30     | 12.8     | 6.2      | 265      | 3.21        | 33.2     | 2.2     | 14.6     | 11.4     | 50       | 0.3      |
| 11CB0258  | Gertie       | 623062 | 6988171 | 4372 | 2.6      | 23.1     | 21.0     | 115      | 0.20     | 10.2     | 6.3      | 580      | 3.29        | 22       | 3.8     | 0.249    | 13.2     | 70       | 0.3      |
| 11CB0257  | Gertie       | 623061 | 6988220 | 4371 | 2.8      | 17.6     | 15.1     | 105      | 0.10     | 13.1     | 11.2     | 813      | 4.25        | 22.7     | 1.4     | 0.249    | 7.8      | 52       | 0.049    |
| 11CB0256  | Gertie       | 623057 | 6988271 | 4370 | 1.5      | 20.4     | 11.2     | 63       | 0.10     | 21.6     | 10.7     | 585      | 2.99        | 72       | 1.2     | 1.1      | 5.5      | 29       | 0.1      |
| 11CB0255  | Gertie       | 623056 | 6988321 | 4369 | 1.6      | 14.3     | 10.4     | 61       | 0.05     | 20.6     | 10.3     | 436      | 3.01        | 11.4     | 0.6     | 1.2      | 3.8      | 28       | 0.1      |
| 11CB0253  | Skookum West | 624250 | 6988998 | 4242 | 0.7      | 25.5     | 7.1      | 64       | 0.20     | 36.1     | 14.3     | 425      | 3.36        | 4.6      | 0.5     | 1.7      | 2.7      | 20       | 0.049    |
| 11CB0252  | Skookum West | 624248 | 6989023 | 4241 | 0.7      | 24.9     | 8.8      | 60       | 0.20     | 33.2     | 12.5     | 381      | 3.28        | 5.1      | 0.5     | 4.7      | 2.9      | 19       | 0.049    |
| 11CB0251  | Skookum West | 624254 | 6989045 | 4240 | 1.1      | 16.8     | 9.3      | 48       | 0.10     | 16.3     | 8.5      | 245      | 2.82        | 6.5      | 0.5     | 1.7      | 3        | 16       | 0.049    |
| 11CB0250  | Skookum West | 624251 | 6989073 | 4239 | 1.2      | 13.5     | 10.2     | 60       | 0.20     | 14.7     | 9.8      | 1089     | 2.8         | 4.4      | 0.7     | 14.7     | 3.4      | 20       | 0.1      |
| 11CB0249  | Skookum West | 624248 | 6989098 | 4238 | 1.2      | 13.6     | 7.0      | 61       | 0.10     | 17.6     | 9.2      | 1104     | 2.61        | 4.1      | 1       | 5.5      | 3.7      | 21       | 0.049    |
| 11CB0248  | Skookum West | 624249 | 6989115 | 4237 | 0.8      | 8.8      | 7.0      | 57       | 0.05     | 9.9      | 6.1      | 356      | 2.3         | 3.9      | 0.6     | 1.4      | 3.4      | 15       | 0.049    |
| 11CB0247  | Skookum West | 624254 | 6989144 | 4236 | 1.3      | 17.4     | 8.9      | 63       | 0.10     | 19.1     | 9.4      | 361      | 3.12        | 8.2      | 0.5     | 5.9      | 2.9      | 17       | 0.049    |
| 11CB0246  | Skookum West | 624251 | 6989174 | 4235 | 0.9      | 35.1     | 7.9      | 58       | 0.10     | 25.1     | 13       | 356      | 3.04        | 6.5      | 0.4     | 2.3      | 2.2      | 29       | 0.049    |
| 11CB0245  | Skookum West | 624251 | 6989201 | 4234 | 1.8      | 34.5     | 19.0     | 52       | 0.20     | 42.6     | 11.8     | 289      | 3.32        | 9.6      | 1.4     | 8.2      | 8.1      | 27       | 0.049    |
| 11CB0244  | Skookum West | 624247 | 6989225 | 4233 | 1.4      | 34.9     | 10.1     | 53       | 0.20     | 35.4     | 12.1     | 303      | 3.52        | 6.9      | 0.5     | 17.3     | 2.4      | 20       | 0.1      |
| 11CB0243  | Skookum West | 624251 | 6989249 | 4232 | 0.9      | 26.3     | 9.7      | 53       | 0.10     | 23.1     | 11.4     | 290      | 3.19        | 9        | 0.5     | 6.8      | 2.2      | 20       | 0.049    |
| 11CB0242  | Skookum West | 624248 | 6989271 | 4231 | 1.1      | 35.0     | 11.2     | 41       | 0.20     | 24.1     | 10.6     | 196      | 3.54        | 7.6      | 0.5     | 2.8      | 2.4      | 15       | 0.049    |
| 11CB0240  | Skookum West | 624256 | 6989300 | 4229 | 0.6      | 34.8     | 7.7      | 54       | 0.05     | 25.5     | 12.4     | 283      | 3.24        | 7.8      | 0.5     | 5.1      | 2.2      | 26       | 0.1      |
| 11CB0239  | Skookum West | 624244 | 6989322 | 4228 | 0.7      | 29.0     | 7.7      | 71       | 0.05     | 35.0     | 18.4     | 424      | 3.86        | 6.3      | 0.4     | 8.4      | 2.1      | 22       | 0.049    |
| 11CB0238  | Skookum West | 624252 | 6989349 | 4227 | 0.9      | 41.4     | 8.3      | 52       | 0.10     | 24.5     | 10.5     | 331      | 2.64        | 7.6      | 0.7     | 6.7      | 2.1      | 23       | 0.1      |
| 11CB0237  | Skookum West | 624253 | 6989369 | 4226 | 0.8      | 32.8     | 8.6      | 59       | 0.10     | 24.8     | 11.2     | 308      | 3           | 8.9      | 0.5     | 6        | 2.4      | 17       | 0.1      |
| 11CB0236  | Skookum West | 624250 | 6989396 | 4225 | 0.9      | 23.4     | 9.4      | 53       | 0.10     | 21.7     | 9.9      | 284      | 3.04        | 8        | 0.4     | 12.8     | 1.6      | 16       | 0.049    |
| 11CB0235  | Skookum West | 624249 | 6989418 | 4224 | 0.9      | 36.4     | 8.8      | 60       | 0.05     | 24.4     | 12.9     | 367      | 2.88        | 6.2      | 0.5     | 14.5     | 1.8      | 20       | 0.1      |
| 11CB0234  | Skookum West | 624252 | 6989445 | 4223 | 1.0      | 50.8     | 11.2     | 70       | 0.10     | 27.3     | 15.1     | 391      | 3.28        | 6        | 0.6     | 74.9     | 2.4      | 25       | 0.049    |
| 11CB0233  | Skookum West | 624248 | 6989477 | 4222 | 1.5      | 46.7     | 11.7     | 78       | 0.20     | 87.9     | 20.9     | 547      | 3.56        | 4.9      | 1       | 23.4     | 6        | 92       | 0.049    |
| 11CB0232  | Skookum West | 624253 | 6989502 | 4221 | 1.1      | 33.9     | 11.6     | 78       | 0.20     | 29.7     | 13.9     | 367      | 3.29        | 5.3      | 0.8     | 4.1      | 2.7      | 28       | 0.2      |
| 11CB0231  | Skookum West | 624097 | 6989224 | 4620 | 1.2      | 31.3     | 8.9      | 47       | 0.05     | 22.3     | 9.9      | 233      | 2.9         | 6.4      | 0.4     | 0.249    | 0.9      | 11       | 0.049    |
| 11CB0230  | Skookum West | 624097 | 6989274 | 4619 | 1.0      | 43.1     | 8.2      | 76       | 0.05     | 24.3     | 20.2     | 409      | 3.92        | 6.3      | 0.4     | 28       | 2.1      | 14       | 0.1      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0229  | Skookum West | 624096 | 6989323 | 4618 | 0.9      | 39.7     | 7.0      | 56       | 0.20     | 14.7     | 10.4     | 281      | 2.65        | 4.2      | 0.5     | 10.9     | 0.7      | 12       | 0.2      |
| 11CB0228  | Skookum West | 624095 | 6989373 | 4617 | 1.6      | 43.5     | 7.3      | 76       | 0.40     | 20.8     | 19.4     | 597      | 3.28        | 4.5      | 0.8     | 26       | 1.5      | 32       | 0.2      |
| 11CB0227  | Skookum West | 624096 | 6989417 | 4616 | 1.6      | 25.7     | 8.3      | 94       | 0.05     | 24.5     | 18.5     | 633      | 4.26        | 13.8     | 0.6     | 10       | 3        | 28       | 0.049    |
| 11CB0226  | Skookum West | 624149 | 6989498 | 4615 | 1.1      | 27.9     | 10.8     | 98       | 0.20     | 13.7     | 10.1     | 735      | 3.33        | 5.5      | 0.9     | 161.3    | 4.3      | 35       | 0.049    |
| 11CB0225  | Skookum West | 624150 | 6989450 | 4614 | 0.8      | 41.0     | 8.7      | 91       | 0.20     | 22.6     | 14.7     | 634      | 3.4         | 7.8      | 0.6     | 17.1     | 3.5      | 17       | 0.1      |
| 11CB0224  | Skookum West | 624150 | 6989401 | 4613 | 1.0      | 20.3     | 8.5      | 70       | 0.10     | 20.0     | 14.2     | 507      | 3.36        | 7.7      | 0.5     | 9        | 2.8      | 16       | 0.1      |
| 11CB0223  | Skookum West | 624149 | 6989352 | 4612 | 0.8      | 16.0     | 9.7      | 47       | 0.30     | 13.8     | 9        | 384      | 2.41        | 4.5      | 0.7     | 13       | 0.4      | 18       | 0.2      |
| 11CB0222  | Skookum West | 624149 | 6989301 | 4611 | 1.2      | 14.2     | 10.2     | 38       | 0.10     | 13.6     | 7.4      | 217      | 2.96        | 7.5      | 0.5     | 2.8      | 2.8      | 11       | 0.049    |
| 11CB0221  | Skookum West | 624149 | 6989246 | 4610 | 1.0      | 34.8     | 10.1     | 58       | 0.30     | 25.6     | 10.1     | 316      | 3.19        | 9.1      | 1.1     | 12.3     | 4.2      | 14       | 0.049    |
| 11CB0219  | Skookum West | 624150 | 6989198 | 4608 | 1.4      | 13.4     | 8.2      | 90       | 0.20     | 16.7     | 13.7     | 853      | 3.81        | 6.5      | 0.3     | 25.6     | 1.7      | 15       | 0.2      |
| 11CB0218  | Skookum West | 624151 | 6989150 | 4607 | 1.6      | 33.3     | 7.0      | 96       | 0.05     | 22.0     | 16.2     | 560      | 4.22        | 3.7      | 0.6     | 69.1     | 3.5      | 22       | 0.049    |
| 11CB0217  | Skookum West | 624095 | 6989051 | 4606 | 1.6      | 37.3     | 9.4      | 64       | 0.20     | 26.5     | 12.5     | 521      | 3.35        | 6.2      | 0.9     | 17.6     | 3.4      | 27       | 0.049    |
| 11CB0216  | Skookum West | 624095 | 6988974 | 4605 | 1.3      | 20.6     | 6.7      | 62       | 0.20     | 15.5     | 10       | 589      | 2.5         | 3.8      | 0.7     | 5.8      | 2.4      | 28       | 0.2      |
| 11CB0215  | Skookum West | 624097 | 6989022 | 4604 | 1.6      | 23.7     | 7.4      | 100      | 0.20     | 21.9     | 14       | 916      | 3.69        | 3.2      | 0.9     | 15.9     | 2.6      | 37       | 0.3      |
| 11CB0214  | Skookum West | 624097 | 6989077 | 4603 | 3.1      | 55.4     | 29.1     | 83       | 0.30     | 61.8     | 17.4     | 316      | 3.58        | 3.5      | 2.4     | 58.4     | 11       | 71       | 0.1      |
| 11CB0213  | Skookum West | 624097 | 6989126 | 4602 | 1.1      | 21.0     | 7.6      | 76       | 0.05     | 19.7     | 16.9     | 438      | 3.9         | 8.5      | 0.3     | 4.7      | 2        | 14       | 0.049    |
| 11CB0212  | Skookum West | 624095 | 6989173 | 4601 | 1.0      | 22.8     | 5.3      | 81       | 0.05     | 20.4     | 16.7     | 561      | 4.1         | 5.7      | 0.3     | 1.1      | 1.5      | 12       | 0.049    |
| 11CB0211  | Skookum West | 624097 | 6989222 | 4600 | 1.1      | 16.7     | 9.8      | 77       | 0.10     | 20.8     | 12.6     | 468      | 4.06        | 8.5      | 0.3     | 4.8      | 2.1      | 11       | 0.049    |
| 11CB0210  | Skookum West | 624095 | 6989270 | 4599 | 0.9      | 28.3     | 7.9      | 58       | 0.05     | 21.4     | 10.7     | 333      | 2.54        | 7.6      | 0.7     | 3.3      | 1.9      | 18       | 0.049    |
| 11CB0209  | Skookum West | 624200 | 6989321 | 4598 | 0.7      | 18.6     | 6.8      | 68       | 0.05     | 18.8     | 13.7     | 536      | 3.59        | 6.7      | 0.4     | 18.5     | 2.5      | 15       | 0.1      |
| 11CB0208  | Skookum West | 624199 | 6989373 | 4597 | 1.2      | 19.3     | 9.4      | 65       | 0.05     | 20.9     | 11.5     | 415      | 3.55        | 8.4      | 0.5     | 11.6     | 2.2      | 17       | 0.049    |
| 11CB0207  | Skookum West | 624200 | 6989427 | 4596 | 1.9      | 14.9     | 8.5      | 78       | 0.10     | 30.7     | 13.2     | 623      | 3.6         | 7.5      | 0.6     | 14.1     | 2.2      | 24       | 0.049    |
| 11CB0206  | Skookum West | 624198 | 6989473 | 4595 | 1.6      | 20.1     | 9.3      | 73       | 0.05     | 19.1     | 11       | 356      | 3.57        | 8        | 0.4     | 2.7      | 2.1      | 21       | 0.1      |
| 11CB0205  | Skookum West | 623949 | 6988674 | 4594 | 0.8      | 9.3      | 4.0      | 129      | 0.05     | 5.6      | 14.3     | 648      | 4.51        | 1.9      | 0.4     | 3.2      | 2.1      | 19       | 0.049    |
| 11CB0204  | Skookum West | 623949 | 6988723 | 4593 | 2.2      | 23.2     | 7.7      | 71       | 0.05     | 14.0     | 9.6      | 463      | 3.38        | 3.9      | 1.4     | 21.4     | 4.1      | 14       | 0.049    |
| 11CB0203  | Skookum West | 623949 | 6988773 | 4592 | 3.0      | 39.0     | 7.8      | 137      | 0.05     | 12.7     | 15.1     | 704      | 4.61        | 2.7      | 0.4     | 20.7     | 2.4      | 18       | 0.1      |
| 11CB0202  | Skookum West | 623949 | 6988825 | 4591 | 1.9      | 23.7     | 5.7      | 103      | 0.05     | 19.5     | 16.4     | 1097     | 4.69        | 4.8      | 0.4     | 5        | 2.6      | 14       | 0.049    |
| 11CB0201  | Skookum West | 623850 | 6988850 | 4590 | 4.5      | 21.9     | 10.2     | 62       | 0.20     | 23.4     | 11.7     | 439      | 3.6         | 7.9      | 0.9     | 17.9     | 3.4      | 16       | 0.1      |
| 11CB0200  | Skookum West | 623949 | 6988875 | 4589 | 5.7      | 20.1     | 10.9     | 60       | 0.20     | 25.2     | 11.4     | 421      | 3.75        | 7.3      | 0.8     | 19.8     | 2.6      | 17       | 0.049    |
| 11CB0199  | Skookum West | 623942 | 6988924 | 4588 | 1.0      | 17.9     | 7.1      | 54       | 0.10     | 16.3     | 8.7      | 299      | 2.88        | 6.5      | 0.4     | 2        | 2.5      | 13       | 0.049    |
| 11CB0198  | Skookum West | 623950 | 6988971 | 4587 | 1.1      | 20.1     | 8.5      | 60       | 0.05     | 19.8     | 8.6      | 304      | 3.05        | 6.2      | 0.5     | 9.1      | 3.1      | 9        | 0.049    |
| 11CB0197  | Skookum West | 623950 | 6989023 | 4586 | 0.7      | 19.2     | 13.3     | 61       | 0.20     | 29.5     | 12.1     | 587      | 3.03        | 4.1      | 0.8     | 12.1     | 4.6      | 25       | 0.049    |
| 11CB0196  | Skookum West | 623950 | 6989073 | 4585 | 1.2      | 28.4     | 7.3      | 64       | 0.20     | 11.2     | 7.3      | 373      | 3.24        | 6.5      | 0.4     | 3.3      | 2.1      | 11       | 0.049    |
| 11CB0195  | Skookum West | 623942 | 6989124 | 4584 | 1.2      | 51.3     | 7.8      | 76       | 0.20     | 19.4     | 10.5     | 474      | 3.76        | 8.8      | 0.4     | 4.7      | 2.3      | 13       | 0.2      |
| 11CB0194  | Skookum West | 623940 | 6989170 | 4583 | 1.4      | 13.8     | 7.6      | 65       | 0.10     | 14.3     | 9.5      | 397      | 3.56        | 7.2      | 0.4     | 3.7      | 2.2      | 11       | 0.049    |
| 11CB0193  | Skookum West | 623942 | 6989218 | 4582 | 0.4      | 10.0     | 4.6      | 95       | 0.05     | 11.8     | 17.1     | 792      | 3.85        | 3        | 0.4     | 1.9      | 2.2      | 14       | 0.049    |
| 11CB0192  | Skookum West | 623940 | 6989276 | 4581 | 0.9      | 16.5     | 9.8      | 51       | 0.05     | 24.3     | 9.4      | 275      | 3.13        | 6.8      | 0.5     | 10       | 2.5      | 15       | 0.049    |
| 11CB0191  | Skookum West | 623948 | 6989323 | 4580 | 4.6      | 46.3     | 5.8      | 77       | 0.40     | 223.3    | 33       | 1010     | 5.07        | 5.6      | 0.9     | 26.4     | 7.2      | 178      | 0.049    |
| 11CB0190  | Skookum West | 623948 | 6989371 | 4579 | 1.9      | 25.2     | 8.7      | 56       | 0.10     | 45.1     | 14.1     | 440      | 2.43        | 3        | 0.7     | 9.7      | 2.5      | 60       | 0.049    |
| 11CB0189  | Skookum West | 623950 | 6989419 | 4578 | 2.7      | 14.1     | 7.0      | 87       | 0.10     | 21.5     | 12.6     | 598      | 2.79        | 3.5      | 0.9     | 9.8      | 1.7      | 51       | 0.2      |
| 11CB0188  | Skookum West | 623950 | 6989477 | 4577 | 0.9      | 17.2     | 7.1      | 60       | 0.05     | 20.8     | 10.9     | 398      | 2.78        | 7.2      | 0.7     | 14       | 4.2      | 18       | 0.049    |
| 11CB0187  | Skookum West | 623950 | 6989274 | 4576 | 1.4      | 17.3     | 7.4      | 94       | 0.30     | 29.4     | 14.5     | 727      | 4.06        | 3.4      | 0.6     | 8.8      | 1.1      | 23       | 0.2      |
| 11CB0186  | Skookum West | 623949 | 6989323 | 4575 | 0.4      | 28.0     | 6.5      | 104      | 0.10     | 18.4     | 22       | 400      | 3.71        | 2.1      | 0.4     | 3.7      | 1.7      | 22       | 0.1      |
| 11CB0185  | Skookum West | 623848 | 6988697 | 4505 | 1.1      | 25.1     | 6.9      | 94       | 0.20     | 15.7     | 14.3     | 597      | 3.94        | 6.3      | 0.6     | 4.4      | 2.5      | 31       | 0.1      |
| 11CB0184  | Skookum West | 623850 | 6988773 | 4504 | 3.7      | 25.8     | 14.9     | 83       | 0.20     | 21.6     | 13.1     | 859      | 3.49        | 7.5      | 1       | 9.2      | 4.3      | 27       | 0.2      |
| 11CB0183  | Skookum West | 623850 | 6988523 | 4503 | 1.4      | 35.3     | 7.2      | 60       | 0.05     | 38.7     | 15.7     | 357      | 3.59        | 6.5      | 0.4     | 0.8      | 2.1      | 25       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0182  | Skookum West | 623848 | 6988578 | 4502 | 5.3      | 30.2     | 9.8      | 66       | 0.10     | 16.2     | 11.9     | 410      | 3.29        | 6.1      | 0.5     | 3        | 2.5      | 40       | 0.049    |
| 11CB0180  | Skookum West | 623848 | 6988620 | 4500 | 0.8      | 24.1     | 6.1      | 87       | 0.05     | 19.1     | 15.2     | 469      | 3.4         | 4.5      | 0.6     | 0.7      | 4.4      | 27       | 0.049    |
| 11CB0179  | Skookum West | 623850 | 6988683 | 4499 | 1.1      | 26.6     | 7.0      | 87       | 0.05     | 18.8     | 13.4     | 439      | 3.94        | 8.7      | 0.4     | 1.9      | 1.9      | 21       | 0.049    |
| 11CB0178  | Skookum West | 623848 | 6988724 | 4498 | 1.0      | 16.3     | 6.7      | 103      | 0.10     | 13.6     | 17.1     | 575      | 4.48        | 5.3      | 0.4     | 5.6      | 2        | 21       | 0.1      |
| 11CB0177  | Skookum West | 623850 | 6988773 | 4497 | 0.6      | 16.0     | 3.3      | 112      | 0.05     | 12.4     | 17.7     | 657      | 4.56        | 2.9      | 0.3     | 3.1      | 2.4      | 14       | 0.049    |
| 11CB0176  | Skookum West | 623848 | 6988823 | 4496 | 1.4      | 25.0     | 10.2     | 65       | 0.05     | 24.2     | 10.7     | 363      | 3.15        | 9.9      | 0.7     | 11.1     | 4.3      | 29       | 0.049    |
| 11CB0175  | Skookum West | 623848 | 6988872 | 4495 | 3.9      | 62.7     | 8.3      | 120      | 0.20     | 48.9     | 34.7     | 972      | 7.26        | 4.8      | 0.5     | 37.7     | 2.4      | 16       | 0.049    |
| 11CB0174  | Skookum West | 623850 | 6988917 | 4494 | 15.3     | 33.6     | 10.3     | 83       | 0.20     | 28.4     | 15.3     | 486      | 4.67        | 6        | 0.8     | 173.3    | 3.9      | 17       | 0.049    |
| 11CB0173  | Skookum West | 623849 | 6988968 | 4493 | 1.0      | 11.3     | 7.4      | 63       | 0.05     | 14.7     | 8        | 359      | 2.96        | 6.6      | 0.5     | 80.2     | 4.2      | 18       | 0.049    |
| 11CB0172  | Skookum West | 623850 | 6989025 | 4492 | 1.1      | 21.7     | 11.3     | 85       | 0.05     | 27.0     | 12.9     | 383      | 3.67        | 9.1      | 0.6     | 13.9     | 4.1      | 16       | 0.049    |
| 11CB0171  | Skookum West | 623848 | 6989071 | 4491 | 1.0      | 32.4     | 13.6     | 81       | 0.30     | 33.7     | 12.7     | 339      | 3.33        | 10.9     | 0.7     | 3.8      | 5.2      | 18       | 0.049    |
| 11CB0170  | Skookum West | 623848 | 6989125 | 4490 | 1.2      | 25.9     | 9.8      | 68       | 0.20     | 19.3     | 7.7      | 298      | 3.37        | 9.7      | 0.6     | 2        | 3.2      | 15       | 0.049    |
| 11CB0169  | Skookum West | 623850 | 6989170 | 4489 | 1.0      | 26.7     | 9.4      | 68       | 0.05     | 28.2     | 11.9     | 270      | 3.17        | 10.7     | 0.5     | 4.6      | 3.8      | 19       | 0.1      |
| 11CB0168  | Skookum West | 623850 | 6989222 | 4488 | 1.5      | 14.0     | 8.9      | 82       | 0.05     | 13.6     | 8.1      | 398      | 3.33        | 8.6      | 0.6     | 0.9      | 2.3      | 12       | 0.1      |
| 11CB0167  | Skookum West | 623850 | 6989423 | 4487 | 0.6      | 33.8     | 7.4      | 76       | 0.20     | 19.8     | 14.9     | 466      | 3.28        | 4.9      | 0.5     | 7.4      | 2        | 39       | 0.2      |
| 11CB0166  | Skookum West | 623650 | 6988567 | 4486 | 0.8      | 35.0     | 7.7      | 96       | 0.30     | 17.4     | 17.8     | 413      | 3.43        | 2.3      | 0.3     | 2.8      | 1        | 35       | 0.1      |
| 11CB0165  | Skookum West | 623650 | 6988927 | 4094 | 1.7      | 21.3     | 8.2      | 72       | 0.10     | 14.0     | 8.8      | 304      | 2.9         | 4.1      | 0.5     | 29.8     | 2.8      | 18       | 0.049    |
| 11CB0164  | Skookum West | 623650 | 6988877 | 4093 | 1.3      | 15.9     | 6.8      | 60       | 0.10     | 15.1     | 8.4      | 301      | 3.3         | 7.1      | 0.5     | 4.7      | 3.1      | 12       | 0.049    |
| 11CB0163  | Skookum West | 623649 | 6988823 | 4092 | 2.5      | 21.2     | 11.7     | 48       | 0.20     | 18.4     | 7.3      | 239      | 2.59        | 7.1      | 0.7     | 28       | 3.7      | 19       | 0.049    |
| 11CB0162  | Skookum West | 623648 | 6988773 | 4091 | 1.2      | 16.9     | 9.7      | 81       | 0.20     | 16.3     | 9.7      | 288      | 3.4         | 8.5      | 0.4     | 1.8      | 2.3      | 20       | 0.2      |
| 11CB0161  | Skookum West | 623650 | 6988730 | 4090 | 1.4      | 27.9     | 9.7      | 67       | 0.20     | 30.5     | 17.5     | 514      | 3.41        | 6.7      | 0.5     | 10.6     | 3        | 18       | 0.049    |
| 11CB0160  | Skookum West | 623648 | 6988683 | 4089 | 1.1      | 19.0     | 9.9      | 59       | 0.05     | 24.8     | 9.5      | 269      | 2.88        | 10.1     | 0.4     | 0.249    | 3.2      | 23       | 0.049    |
| 11CB0159  | Skookum West | 623648 | 6988628 | 4088 | 1.1      | 16.2     | 9.5      | 51       | 0.05     | 19.3     | 8.4      | 259      | 2.64        | 7.7      | 0.5     | 1.2      | 3.3      | 24       | 0.049    |
| 11CB0158  | Skookum West | 623648 | 6988588 | 4087 | 1.1      | 19.1     | 10.1     | 51       | 0.10     | 21.8     | 13.4     | 760      | 2.9         | 6.7      | 0.4     | 0.249    | 2.5      | 17       | 0.1      |
| 11CB0157  | Skookum West | 623648 | 6988537 | 4086 | 1.1      | 20.0     | 9.5      | 62       | 0.05     | 19.2     | 15.9     | 919      | 3.39        | 5        | 0.3     | 1.8      | 2.1      | 25       | 0.049    |
| 11CB0156  | Skookum West | 623650 | 6988498 | 4085 | 0.7      | 9.2      | 6.5      | 95       | 0.05     | 12.3     | 9.6      | 498      | 4.02        | 4.3      | 0.4     | 0.6      | 3.9      | 42       | 0.049    |
| 11CB0155  | Skookum West | 623648 | 6988547 | 4084 | 1.0      | 9.1      | 10.5     | 52       | 0.05     | 11.2     | 5.9      | 245      | 2.51        | 3.3      | 0.3     | 8.7      | 1.6      | 15       | 0.049    |
| 11CB0154  | Skookum West | 623648 | 6988598 | 4083 | 1.3      | 17.0     | 9.1      | 93       | 0.05     | 18.6     | 15.5     | 644      | 3.89        | 7.9      | 0.4     | 1.8      | 3.6      | 16       | 0.1      |
| 11CB0153  | Skookum West | 623650 | 6988647 | 4082 | 0.7      | 23.5     | 9.0      | 47       | 0.05     | 21.8     | 9.1      | 364      | 2.65        | 7.1      | 0.7     | 5.1      | 3.5      | 32       | 0.049    |
| 11CB0152  | Skookum West | 623648 | 6988696 | 4081 | 1.2      | 26.8     | 9.0      | 72       | 0.05     | 20.4     | 12       | 415      | 3.57        | 7.2      | 0.7     | 11.6     | 4.6      | 25       | 0.049    |
| 11CB0151  | Skookum West | 623650 | 6988744 | 4080 | 1.0      | 28.5     | 7.8      | 75       | 0.05     | 21.1     | 11       | 379      | 3.55        | 5.7      | 0.5     | 5.9      | 2.7      | 24       | 0.049    |
| 11CB0150  | Skookum West | 623648 | 6988800 | 4079 | 4.8      | 23.7     | 10.6     | 65       | 0.05     | 21.7     | 9.9      | 416      | 3.06        | 6        | 1.2     | 89.1     | 4.8      | 25       | 0.049    |
| 11CB0149  | Skookum West | 623648 | 6988853 | 4078 | 1.5      | 18.4     | 9.3      | 65       | 0.05     | 22.4     | 10.5     | 340      | 3.21        | 7.3      | 0.6     | 7.7      | 4.3      | 20       | 0.049    |
| 11CB0148  | Skookum West | 623650 | 6988889 | 4077 | 1.2      | 17.7     | 8.9      | 53       | 0.05     | 16.8     | 8        | 407      | 2.67        | 6.7      | 0.7     | 17.8     | 3.9      | 19       | 0.049    |
| 11CB0147  | Skookum West | 623648 | 6988946 | 4076 | 1.6      | 21.6     | 8.6      | 60       | 0.10     | 21.6     | 8.2      | 317      | 2.93        | 5.5      | 0.7     | 6.8      | 3.5      | 17       | 0.1      |
| 11CB0146  | Skookum West | 623650 | 6988996 | 4075 | 3.1      | 45.9     | 15.2     | 95       | 0.40     | 42.9     | 13.8     | 1412     | 4.09        | 6.1      | 1.2     | 31.6     | 3.4      | 24       | 0.3      |
| 11CB0145  | Skookum West | 623649 | 6989044 | 4074 | 1.8      | 14.7     | 7.4      | 51       | 0.20     | 31.7     | 8        | 360      | 2.99        | 6        | 0.4     | 5.8      | 3.2      | 15       | 0.049    |
| 11CB0144  | Skookum West | 623648 | 6989093 | 4073 | 1.7      | 16.0     | 9.5      | 69       | 0.20     | 17.4     | 9.1      | 363      | 3.35        | 7.7      | 0.5     | 3.8      | 2.8      | 13       | 0.049    |
| 11CB0143  | Skookum West | 623650 | 6989141 | 4072 | 1.2      | 11.8     | 9.2      | 68       | 0.20     | 15.3     | 7.9      | 351      | 3.39        | 8.5      | 0.5     | 0.249    | 3.2      | 11       | 0.049    |
| 11CB0142  | Skookum West | 623650 | 6989195 | 4071 | 1.1      | 39.2     | 8.8      | 55       | 0.30     | 23.3     | 8.5      | 275      | 2.97        | 8.1      | 0.8     | 19.1     | 3.6      | 19       | 0.049    |
| 11CB0141  | Skookum West | 623650 | 6989247 | 4070 | 1.7      | 9.3      | 10.1     | 45       | 0.05     | 16.4     | 6.8      | 353      | 3.32        | 10.9     | 0.4     | 1.4      | 2.1      | 15       | 0.049    |
| 11CB0140  | Skookum West | 623650 | 6989287 | 4069 | 1.2      | 19.8     | 12.0     | 47       | 0.20     | 12.7     | 6.2      | 278      | 2.3         | 5.6      | 0.4     | 0.9      | 1.2      | 12       | 0.1      |
| 11CB0139  | Skookum West | 623648 | 6989347 | 4068 | 1.1      | 20.7     | 8.4      | 61       | 0.10     | 20.3     | 11.8     | 422      | 3.39        | 7.1      | 0.5     | 0.249    | 2.4      | 21       | 0.049    |
| 11CB0138  | Skookum West | 623648 | 6989398 | 4067 | 1.0      | 25.2     | 8.2      | 70       | 0.10     | 20.2     | 13.7     | 445      | 3.43        | 7.5      | 0.5     | 0.6      | 2.4      | 19       | 0.2      |
| 11CB0137  | Skookum West | 623650 | 6989450 | 4066 | 1.0      | 27.8     | 7.9      | 80       | 0.20     | 20.4     | 13.8     | 471      | 3.6         | 7.2      | 0.6     | 10.9     | 1.9      | 24       | 0.1      |
| 11CB0136  | Skookum West | 623648 | 6989497 | 4065 | 0.9      | 26.9     | 7.0      | 86       | 0.20     | 18.4     | 19.6     | 605      | 3.95        | 5        | 0.4     | 2        | 1.7      | 20       | 0.1      |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0135  | Skookum West | 623600 | 6988575 | 4006 | 1.8      | 36.7     | 9.9      | 93       | 0.05     | 12.7     | 17.7     | 598      | 4.48        | 4.7      | 0.4     | 0.5      | 2.5      | 18       | 0.1      |
| 11CB0134  | Skookum West | 623599 | 6988674 | 4005 | 0.8      | 21.1     | 9.1      | 61       | 0.05     | 14.1     | 9.9      | 277      | 2.79        | 5        | 0.6     | 8.6      | 3.3      | 21       | 0.049    |
| 11CB0133  | Skookum West | 623599 | 6988780 | 4004 | 1.7      | 15.4     | 8.4      | 52       | 0.05     | 15.4     | 8        | 271      | 2.76        | 6.9      | 0.6     | 34.1     | 3.4      | 21       | 0.1      |
| 11CB0132  | Skookum West | 623548 | 6988498 | 4003 | 0.9      | 12.1     | 6.2      | 116      | 0.05     | 8.4      | 10       | 710      | 5.49        | 3.5      | 0.7     | 0.249    | 5.3      | 16       | 0.049    |
| 11CB0131  | Skookum West | 623550 | 6988546 | 4002 | 0.8      | 17.9     | 7.6      | 69       | 0.05     | 15.9     | 10.7     | 382      | 3.38        | 6.1      | 0.7     | 2.6      | 3.2      | 27       | 0.049    |
| 11CB0130  | Skookum West | 623549 | 6988594 | 4001 | 0.9      | 16.3     | 9.2      | 44       | 0.10     | 14.3     | 7.6      | 202      | 2.36        | 6.9      | 0.6     | 2.2      | 1.9      | 24       | 0.049    |
| 11CB0129  | Skookum West | 623549 | 6988650 | 4000 | 0.8      | 20.9     | 7.3      | 62       | 0.05     | 16.5     | 10.7     | 773      | 2.68        | 5.5      | 0.7     | 6.5      | 3.5      | 25       | 0.049    |
| 11CB0128  | Skookum West | 623549 | 6988699 | 3999 | 1.4      | 21.7     | 7.5      | 60       | 0.10     | 19.4     | 9.9      | 395      | 3.02        | 6.2      | 1.1     | 20       | 4.5      | 30       | 0.049    |
| 11CB0127  | Skookum West | 623549 | 6988749 | 3998 | 1.8      | 16.9     | 8.8      | 53       | 0.05     | 13.9     | 8.2      | 331      | 2.61        | 4.4      | 0.7     | 27.3     | 4.2      | 21       | 0.049    |
| 11CB0126  | Skookum West | 623550 | 6988800 | 3997 | 2.4      | 24.1     | 8.6      | 66       | 0.20     | 19.7     | 10.4     | 590      | 2.95        | 5.3      | 1.2     | 59.9     | 3.5      | 26       | 0.1      |
| 11CB0125  | Skookum West | 623549 | 6988844 | 3996 | 1.1      | 19.6     | 6.6      | 61       | 0.10     | 13.7     | 8.6      | 423      | 2.98        | 4.6      | 0.8     | 17.8     | 3.9      | 22       | 0.049    |
| 11CB0124  | Skookum West | 623549 | 6988900 | 3995 | 1.4      | 20.7     | 5.2      | 66       | 0.05     | 14.3     | 12       | 536      | 3.23        | 4.1      | 0.8     | 48.7     | 3.6      | 19       | 0.049    |
| 11CB0123  | Skookum West | 623550 | 6988948 | 3994 | 1.6      | 18.6     | 5.9      | 79       | 0.10     | 15.1     | 8.7      | 451      | 3.01        | 2.8      | 0.7     | 17.1     | 3.4      | 20       | 0.049    |
| 11CB0122  | Skookum West | 623498 | 6988998 | 3993 | 0.9      | 18.9     | 6.5      | 85       | 0.05     | 12.9     | 9.1      | 452      | 3.24        | 3.3      | 0.6     | 49.4     | 3.3      | 15       | 0.049    |
| 11CB0121  | Skookum West | 623500 | 6988524 | 3992 | 0.9      | 27.7     | 9.1      | 69       | 0.05     | 19.5     | 10.7     | 472      | 3.21        | 7.3      | 0.6     | 3.3      | 3.4      | 30       | 0.049    |
| 11CB0120  | Skookum West | 623498 | 6988625 | 3991 | 1.1      | 16.8     | 8.5      | 51       | 0.05     | 16.5     | 9.7      | 392      | 2.66        | 6.1      | 0.6     | 6.7      | 3        | 27       | 0.049    |
| 11CB0119  | Skookum West | 623500 | 6988725 | 3990 | 3.3      | 30.9     | 11.1     | 71       | 0.40     | 23.7     | 12.2     | 705      | 3.57        | 5.9      | 2.1     | 93.8     | 2.8      | 42       | 0.049    |
| 11CB0118  | Skookum West | 623499 | 6988771 | 3989 | 1.6      | 21.6     | 6.8      | 72       | 0.40     | 15.1     | 12       | 847      | 2.9         | 3.5      | 1.6     | 22.8     | 2.5      | 36       | 0.2      |
| 11CB0117  | Skookum West | 623499 | 6988976 | 3988 | 0.7      | 15.7     | 6.2      | 70       | 0.05     | 12.9     | 10.5     | 517      | 3.65        | 3.3      | 0.5     | 7        | 4.1      | 12       | 0.049    |
| 11CB0116  | Skookum West | 623500 | 6988877 | 3987 | 1.1      | 21.7     | 6.7      | 83       | 0.10     | 13.0     | 11.5     | 638      | 3.65        | 3.6      | 0.9     | 11.9     | 4.4      | 19       | 0.1      |
| 11CB0115  | Skookum West | 623500 | 6989074 | 3986 | 1.1      | 17.4     | 8.7      | 91       | 0.10     | 22.2     | 10.8     | 463      | 3.81        | 7.7      | 0.5     | 28.4     | 3.6      | 11       | 0.1      |
| 11CB0114  | Skookum West | 623500 | 6989179 | 3985 | 1.2      | 10.9     | 7.8      | 66       | 0.10     | 12.0     | 8.5      | 805      | 3.04        | 4.4      | 0.5     | 2.1      | 2.4      | 23       | 0.1      |
| 11CB0113  | Skookum West | 623447 | 6988500 | 3984 | 0.8      | 21.0     | 7.8      | 57       | 0.05     | 15.9     | 10.4     | 368      | 2.88        | 6.6      | 0.7     | 1.5      | 3.7      | 26       | 0.049    |
| 11CB0112  | Skookum West | 623449 | 6988549 | 3983 | 0.8      | 17.8     | 6.3      | 61       | 0.05     | 13.9     | 9.2      | 405      | 3.02        | 6.2      | 0.7     | 4.1      | 3.9      | 22       | 0.049    |
| 11CB0111  | Skookum West | 623449 | 6988598 | 3982 | 1.1      | 16.6     | 8.4      | 55       | 0.10     | 15.2     | 9        | 363      | 2.69        | 5.9      | 0.7     | 4        | 2.8      | 27       | 0.049    |
| 11CB0110  | Skookum West | 623447 | 6988650 | 3981 | 1.9      | 25.2     | 7.4      | 62       | 0.30     | 19.5     | 10.1     | 409      | 2.84        | 4.7      | 1.3     | 12.9     | 1.9      | 39       | 0.2      |
| 11CB0109  | Skookum West | 623447 | 6988703 | 3980 | 1.2      | 29.2     | 6.6      | 100      | 0.10     | 25.7     | 18.9     | 592      | 4.13        | 3.1      | 0.8     | 10.2     | 2.2      | 27       | 0.049    |
| 11CB0108  | Skookum West | 623449 | 6988745 | 3979 | 1.2      | 26.4     | 7.8      | 81       | 0.05     | 17.7     | 12.1     | 689      | 3.45        | 5.6      | 0.4     | 4.9      | 2.4      | 18       | 0.1      |
| 11CB0107  | Skookum West | 623448 | 6988801 | 3978 | 1.3      | 16.6     | 9.1      | 50       | 0.05     | 14.6     | 7.1      | 363      | 2.68        | 5.7      | 0.8     | 18       | 3.8      | 15       | 0.049    |
| 11CB0106  | Skookum West | 623446 | 6988849 | 3861 | 2.4      | 28.8     | 147.5    | 94       | 0.20     | 19.0     | 11.3     | 782      | 3.28        | 7.4      | 0.7     | 37.8     | 4.2      | 16       | 0.2      |
| 11CB0105  | Skookum West | 623448 | 6988898 | 3860 | 1.8      | 24.1     | 14.6     | 63       | 0.20     | 34.6     | 10.9     | 494      | 3.2         | 5.8      | 0.7     | 18.7     | 4.2      | 21       | 0.1      |
| 11CB0104  | Skookum West | 623448 | 6988948 | 3859 | 2.6      | 24.3     | 13.3     | 85       | 0.30     | 29.5     | 13.4     | 1191     | 4.01        | 4.3      | 1       | 5.5      | 3.9      | 22       | 0.2      |
| 11CB0103  | Skookum West | 623447 | 6989000 | 3858 | 1.3      | 13.2     | 9.1      | 74       | 0.10     | 16.6     | 8.7      | 388      | 3.42        | 6.7      | 0.5     | 4.2      | 3.4      | 11       | 0.1      |
| 11CB0102  | Skookum West | 623447 | 6989050 | 3857 | 1.2      | 12.4     | 6.3      | 76       | 0.05     | 17.8     | 9.1      | 669      | 3.38        | 5.3      | 0.4     | 1.4      | 2.5      | 16       | 0.049    |
| 11CB0101  | Skookum West | 623446 | 6989100 | 3856 | 1.2      | 21.1     | 9.3      | 62       | 0.10     | 24.4     | 10.7     | 404      | 3.34        | 9.8      | 0.9     | 23.6     | 4.7      | 21       | 0.049    |
| 11CB0100  | Skookum West | 623448 | 6989148 | 3855 | 1.3      | 29.0     | 7.6      | 84       | 0.05     | 56.8     | 17.2     | 558      | 4.06        | 7.1      | 0.8     | 3.4      | 4.3      | 20       | 0.049    |
| 11CB0099  | Skookum West | 623448 | 6989203 | 3854 | 1.0      | 14.5     | 8.8      | 63       | 0.10     | 24.3     | 8.5      | 326      | 2.78        | 6.5      | 0.6     | 2.3      | 3.2      | 15       | 0.049    |
| 11CB0098  | Skookum West | 623446 | 6989246 | 3853 | 1.5      | 13.1     | 7.8      | 74       | 0.05     | 21.4     | 9.4      | 313      | 3.23        | 7.7      | 0.6     | 1.3      | 3.1      | 14       | 0.049    |
| 11CB0097  | Skookum West | 623446 | 6989299 | 3852 | 1.5      | 14.4     | 10.1     | 58       | 0.05     | 19.5     | 8.3      | 332      | 2.93        | 10.8     | 0.5     | 2.1      | 2.3      | 12       | 0.1      |
| 11CB0096  | Skookum West | 623450 | 6989350 | 3851 | 1.0      | 7.8      | 7.0      | 93       | 0.05     | 11.9     | 10.3     | 474      | 2.98        | 6.9      | 0.5     | 2.6      | 3.9      | 8        | 0.049    |
| 11CB0095  | Skookum West | 623450 | 6989401 | 3850 | 1.1      | 8.2      | 10.1     | 46       | 0.05     | 11.5     | 4.9      | 198      | 1.84        | 5.1      | 0.4     | 1.5      | 0.8      | 9        | 0.049    |
| 11CB0094  | Skookum West | 623449 | 6989449 | 3849 | 1.3      | 10.7     | 7.9      | 99       | 0.05     | 20.6     | 11.9     | 728      | 2.87        | 7        | 0.6     | 3.3      | 2.5      | 15       | 0.1      |
| 11CB0093  | Skookum West | 623450 | 6989499 | 3848 | 1.3      | 10.4     | 10.1     | 85       | 0.05     | 20.3     | 11.6     | 507      | 2.55        | 5.9      | 0.5     | 2.1      | 3.2      | 12       | 0.049    |
| 11CB0092  | Skookum West | 623300 | 6989506 | 3847 | 1.1      | 23.3     | 7.4      | 80       | 0.05     | 17.9     | 11.1     | 670      | 3.47        | 5.4      | 0.5     | 3.2      | 3.1      | 15       | 0.049    |
| 11CB0091  | Skookum West | 623300 | 6989449 | 3846 | 1.2      | 18.8     | 9.4      | 72       | 0.05     | 19.0     | 11.2     | 484      | 3.58        | 8.6      | 0.4     | 2        | 2.8      | 12       | 0.1      |
| 11CB0090  | Skookum West | 623302 | 6989401 | 3845 | 0.8      | 27.4     | 7.0      | 65       | 0.05     | 17.1     | 9.7      | 395      | 2.91        | 6.9      | 0.8     | 2.1      | 3.7      | 17       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0089  | Skookum West | 623302 | 6989350 | 3844 | 1.4      | 23.5     | 9.8      | 69       | 0.05     | 13.6     | 10       | 709      | 3.78        | 6.6      | 0.4     | 1        | 1.5      | 8        | 0.049    |
| 11CB0088  | Skookum West | 623300 | 6989304 | 3843 | 1.1      | 15.4     | 9.9      | 50       | 0.05     | 16.4     | 7.2      | 239      | 3.17        | 8.7      | 0.5     | 0.7      | 2.6      | 13       | 0.049    |
| 11CB0087  | Skookum West | 623302 | 6989255 | 3842 | 1.1      | 32.0     | 10.5     | 66       | 0.10     | 20.9     | 8.7      | 318      | 3.39        | 10.9     | 1.1     | 3.3      | 4.1      | 15       | 0.049    |
| 11CB0086  | Skookum West | 623302 | 6989205 | 3841 | 1.3      | 25.9     | 9.6      | 63       | 0.10     | 27.7     | 11.6     | 308      | 3.49        | 10.3     | 0.5     | 4.1      | 2.6      | 15       | 0.1      |
| 11CB0085  | Skookum West | 623302 | 6989149 | 3840 | 1.0      | 27.4     | 7.1      | 86       | 0.05     | 55.0     | 16.3     | 544      | 4.02        | 6        | 0.6     | 1.9      | 5.4      | 22       | 0.049    |
| 11CB0084  | Skookum West | 623302 | 6989107 | 3839 | 1.2      | 23.1     | 9.6      | 54       | 0.05     | 24.5     | 10.6     | 330      | 2.9         | 10.3     | 0.6     | 7.6      | 3.8      | 16       | 0.1      |
| 11CB0083  | Skookum West | 623302 | 6989054 | 3838 | 1.5      | 14.7     | 9.0      | 55       | 0.10     | 17.3     | 8        | 352      | 3.1         | 8.5      | 0.4     | 2.3      | 2.7      | 14       | 0.049    |
| 11CB0082  | Skookum West | 623302 | 6989004 | 3837 | 2.8      | 21.9     | 14.6     | 62       | 0.10     | 20.1     | 8.5      | 453      | 3.31        | 8.8      | 0.8     | 10.5     | 3.8      | 13       | 0.1      |
| 11CB0081  | Skookum West | 623300 | 6988927 | 3836 | 2.4      | 25.5     | 13.3     | 68       | 0.10     | 42.0     | 11.1     | 617      | 3.34        | 4.2      | 1       | 5.8      | 5.1      | 23       | 0.049    |
| 11CB0080  | Skookum West | 623302 | 6988826 | 3835 | 2.7      | 22.1     | 11.0     | 65       | 0.10     | 21.7     | 8.9      | 488      | 3.26        | 9.7      | 0.6     | 2.3      | 3.3      | 18       | 0.3      |
| 11CB0079  | Skookum West | 623300 | 6988731 | 3834 | 1.1      | 37.3     | 12.3     | 107      | 0.05     | 24.5     | 18.2     | 642      | 4.62        | 3.7      | 0.4     | 0.249    | 2.6      | 19       | 0.3      |
| 11CB0078  | Skookum West | 623302 | 6988628 | 3833 | 2.5      | 32.9     | 11.5     | 74       | 0.10     | 21.7     | 12       | 619      | 3.67        | 5.7      | 0.7     | 7.6      | 3.8      | 28       | 0.2      |
| 11CB0077  | Skookum West | 623300 | 6988528 | 3832 | 1.0      | 17.5     | 7.5      | 76       | 0.05     | 18.6     | 10.4     | 301      | 3.65        | 6.5      | 0.7     | 0.249    | 4.2      | 16       | 0.2      |
| 11CB0076  | Skookum West | 623196 | 6989277 | 3592 | 0.9      | 17.4     | 9.0      | 55       | 0.05     | 20.0     | 8.3      | 272      | 2.9         | 9.2      | 0.5     | 1.9      | 2.3      | 16       | 0.049    |
| 11CB0075  | Skookum West | 623201 | 6989220 | 3591 | 1.1      | 15.6     | 8.7      | 78       | 0.05     | 19.4     | 11.2     | 398      | 3.9         | 8.6      | 0.4     | 0.8      | 2.8      | 12       | 0.049    |
| 11CB0074  | Skookum West | 623198 | 6989175 | 3590 | 1.6      | 13.0     | 9.9      | 73       | 0.05     | 17.1     | 10.6     | 390      | 4.11        | 9.2      | 0.5     | 1.3      | 2.5      | 10       | 0.049    |
| 11CB0073  | Skookum West | 623196 | 6989126 | 3589 | 1.0      | 21.9     | 9.5      | 56       | 0.10     | 29.1     | 12       | 336      | 3.42        | 9.9      | 0.7     | 2.3      | 3.7      | 17       | 0.049    |
| 11CB0072  | Skookum West | 623201 | 6989078 | 3588 | 1.5      | 19.0     | 9.1      | 68       | 0.20     | 21.5     | 9        | 536      | 3.93        | 7.9      | 0.4     | 0.249    | 3.2      | 14       | 0.049    |
| 11CB0071  | Skookum West | 623200 | 6989029 | 3587 | 2.1      | 24.0     | 11.7     | 97       | 0.20     | 13.6     | 10.4     | 553      | 4.65        | 8.2      | 0.4     | 0.249    | 2        | 13       | 0.049    |
| 11CB0070  | Skookum West | 623197 | 6988979 | 3586 | 0.9      | 27.0     | 6.9      | 88       | 0.05     | 19.1     | 16.5     | 810      | 4.53        | 6.9      | 0.3     | 0.249    | 2        | 22       | 0.1      |
| 11CB0069  | Skookum West | 623201 | 6988927 | 3585 | 0.4      | 43.9     | 15.3     | 102      | 0.05     | 24.1     | 15.5     | 407      | 4.61        | 4.2      | 0.7     | 0.249    | 3.7      | 26       | 0.1      |
| 11CB0068  | Skookum West | 623205 | 6988877 | 3584 | 0.4      | 49.0     | 6.8      | 87       | 0.05     | 45.8     | 23       | 518      | 3.81        | 3.1      | 0.2     | 2        | 0.9      | 21       | 0.049    |
| 11CB0067  | Skookum West | 623198 | 6988825 | 3583 | 0.9      | 30.3     | 8.1      | 75       | 0.05     | 34.8     | 14.6     | 434      | 3.51        | 7.8      | 0.4     | 0.249    | 2.1      | 26       | 0.049    |
| 11CB0066  | Skookum West | 623200 | 6988776 | 3582 | 0.9      | 20.6     | 7.7      | 56       | 0.10     | 12.9     | 8.3      | 328      | 2.95        | 4.4      | 0.3     | 2.9      | 2        | 16       | 0.2      |
| 11CB0065  | Skookum West | 623197 | 6988719 | 3581 | 1.5      | 30.7     | 10.4     | 69       | 0.20     | 30.4     | 14       | 1089     | 3.67        | 6.2      | 0.7     | 7.3      | 3.3      | 29       | 0.1      |
| 11CB0064  | Skookum West | 623196 | 6988677 | 3580 | 3.0      | 24.1     | 11.6     | 76       | 0.10     | 16.0     | 10.9     | 745      | 3.77        | 5.8      | 1.1     | 8.2      | 5.6      | 30       | 0.3      |
| 11CB0063  | Skookum West | 623196 | 6988613 | 3579 | 1.4      | 28.0     | 9.9      | 96       | 0.05     | 19.8     | 12.3     | 660      | 3.86        | 7.9      | 0.9     | 8.2      | 5.6      | 31       | 0.1      |
| 11CB0062  | Skookum West | 623196 | 6988583 | 3578 | 1.5      | 20.3     | 10.9     | 59       | 0.05     | 20.8     | 10.3     | 425      | 3.26        | 6.4      | 1       | 1.7      | 4.3      | 26       | 0.049    |
| 11CB0061  | Skookum West | 623050 | 6989499 | 3577 | 1.3      | 23.3     | 9.8      | 76       | 0.05     | 15.8     | 10.9     | 484      | 3.14        | 5.4      | 0.8     | 1.7      | 4.7      | 19       | 0.2      |
| 11CB0060  | Skookum West | 623051 | 6989475 | 3576 | 1.4      | 26.8     | 29.6     | 75       | 0.05     | 21.6     | 12.4     | 454      | 3.62        | 8.9      | 1       | 8.3      | 4.7      | 24       | 1.2      |
| 11CB0059  | Skookum West | 623053 | 6989449 | 3575 | 1.2      | 25.2     | 9.0      | 83       | 0.05     | 15.9     | 10.7     | 524      | 3.57        | 6        | 0.8     | 5.3      | 3.2      | 17       | 0.2      |
| 11CB0058  | Skookum West | 623049 | 6989426 | 3574 | 1.2      | 22.9     | 7.6      | 86       | 0.05     | 17.4     | 12.2     | 559      | 3.75        | 6.1      | 0.8     | 4.3      | 5.2      | 20       | 0.049    |
| 11CB0057  | Skookum West | 623049 | 6989402 | 3573 | 1.5      | 23.5     | 10.0     | 80       | 0.05     | 21.1     | 12.3     | 472      | 4.2         | 8.5      | 0.7     | 2.7      | 4.4      | 20       | 0.1      |
| 11CB0056  | Skookum West | 623051 | 6989353 | 3572 | 1.6      | 21.7     | 10.9     | 79       | 0.10     | 19.0     | 11.7     | 442      | 4.33        | 9.8      | 0.7     | 5.4      | 4.8      | 21       | 0.1      |
| 11CB0055  | Skookum West | 623051 | 6989327 | 3571 | 1.7      | 31.5     | 13.4     | 87       | 0.10     | 23.2     | 12.9     | 543      | 3.98        | 8.6      | 1.2     | 8.9      | 5.2      | 26       | 0.2      |
| 11CB0054  | Skookum West | 623047 | 6989301 | 3570 | 1.6      | 18.5     | 9.4      | 84       | 0.05     | 19.2     | 10.9     | 454      | 3.68        | 7.4      | 0.6     | 27.2     | 4.2      | 20       | 0.1      |
| 11CB0053  | Skookum West | 623051 | 6989273 | 3569 | 1.6      | 18.5     | 11.0     | 75       | 0.20     | 16.1     | 9.2      | 521      | 3.68        | 9.3      | 0.6     | 5        | 3.2      | 17       | 0.1      |
| 11CB0052  | Skookum West | 623047 | 6989251 | 3568 | 1.7      | 14.3     | 10.2     | 84       | 0.20     | 11.8     | 10.4     | 1169     | 3.69        | 6.3      | 0.3     | 15.6     | 2.2      | 13       | 0.2      |
| 11CB0051  | Skookum West | 623046 | 6989229 | 3567 | 1.4      | 26.9     | 11.0     | 81       | 0.05     | 23.2     | 11.9     | 515      | 4.05        | 9.6      | 0.8     | 15       | 5.5      | 19       | 0.049    |
| 11CB0050  | Skookum West | 623047 | 6989202 | 3566 | 1.3      | 17.3     | 9.6      | 73       | 0.10     | 18.0     | 10.4     | 632      | 3.36        | 6.6      | 0.6     | 6.2      | 2.9      | 22       | 0.049    |
| 11CB0049  | Skookum West | 623049 | 6989202 | 3565 | 1.4      | 15.2     | 7.8      | 81       | 0.05     | 15.9     | 11.1     | 558      | 3.6         | 6.1      | 0.5     | 2.3      | 3.9      | 15       | 0.049    |
| 11CB0048  | Skookum West | 623049 | 6989174 | 3564 | 2.0      | 16.7     | 10.3     | 92       | 0.05     | 20.5     | 11.7     | 619      | 5.24        | 9.6      | 0.4     | 2.9      | 2.7      | 19       | 0.2      |
| 11CB0047  | Skookum West | 623052 | 6989150 | 3563 | 1.8      | 20.5     | 10.9     | 70       | 0.20     | 28.9     | 12       | 496      | 3.61        | 8.3      | 0.7     | 3.6      | 4.5      | 19       | 0.049    |
| 11CB0046  | Skookum West | 623058 | 6989074 | 3562 | 1.4      | 55.5     | 10.2     | 91       | 0.20     | 161.4    | 30.7     | 964      | 5.27        | 8.3      | 1.5     | 3.6      | 9.3      | 134      | 0.2      |
| 11CB0045  | Skookum West | 623058 | 6989048 | 3561 | 1.4      | 29.6     | 10.1     | 60       | 0.20     | 25.6     | 12.6     | 356      | 3.49        | 9.3      | 0.6     | 2.7      | 3        | 29       | 0.049    |
| 11CB0044  | Skookum West | 623058 | 6989025 | 3560 | 1.0      | 32.3     | 8.4      | 68       | 0.05     | 29.2     | 15.2     | 412      | 3.86        | 9.3      | 0.5     | 1.7      | 2.6      | 20       | 0.049    |



| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11CB0042  | Skookum West  | 623057 | 6988998 | 3558 | 1.0      | 35.2     | 8.6      | 71       | 0.05     | 30.4     | 16.4     | 447      | 4.17        | 10       | 0.5     | 2.5      | 2.8      | 20       | 0.049    |
| 11CB0041  | Skookum West  | 623046 | 6988973 | 3557 | 1.3      | 20.2     | 10.5     | 88       | 0.10     | 16.6     | 15.4     | 626      | 3.65        | 5.4      | 0.6     | 1.7      | 2.9      | 19       | 0.1      |
| 11CB0040  | Skookum West  | 623048 | 6988950 | 3556 | 1.0      | 29.1     | 12.7     | 71       | 0.05     | 19.4     | 10.8     | 379      | 3.18        | 8.3      | 0.5     | 2.5      | 2.5      | 18       | 0.2      |
| 11CB0039  | Skookum West  | 623048 | 6988923 | 3555 | 0.7      | 47.5     | 7.7      | 55       | 0.05     | 27.4     | 12       | 345      | 2.78        | 4.6      | 0.2     | 0.249    | 1.1      | 17       | 0.2      |
| 11CB0038  | Skookum West  | 623048 | 6988900 | 3554 | 0.8      | 31.6     | 22.9     | 84       | 0.05     | 54.4     | 16.5     | 557      | 3.58        | 9.2      | 1.6     | 1.3      | 8.7      | 40       | 0.1      |
| 11CB0037  | Skookum West  | 623048 | 6988874 | 3553 | 1.0      | 29.6     | 13.4     | 75       | 0.05     | 29.3     | 10.5     | 398      | 3.22        | 11.5     | 0.9     | 3.8      | 5.4      | 16       | 0.049    |
| 11CB0036  | Skookum West  | 623046 | 6988848 | 3552 | 1.3      | 25.0     | 18.6     | 90       | 0.05     | 29.3     | 12.7     | 1010     | 4.3         | 5        | 0.7     | 21.2     | 3.7      | 24       | 0.2      |
| 11CB0035  | Skookum West  | 623046 | 6988825 | 3551 | 0.8      | 16.9     | 5.9      | 99       | 0.05     | 6.8      | 9        | 404      | 4.28        | 2.8      | 0.4     | 2        | 2        | 13       | 0.049    |
| 11CB0034  | Skookum West  | 623046 | 6988798 | 3550 | 0.8      | 47.9     | 7.0      | 81       | 0.05     | 19.4     | 14.5     | 490      | 3.69        | 5.7      | 0.4     | 1.6      | 2.1      | 16       | 0.049    |
| 11CB0033  | Skookum West  | 623048 | 6988775 | 3549 | 1.1      | 44.5     | 9.6      | 79       | 0.05     | 23.3     | 10.4     | 382      | 3.44        | 11.2     | 0.6     | 1.4      | 4        | 16       | 0.1      |
| 11CB0032  | Skookum West  | 623048 | 6988748 | 3548 | 1.8      | 27.7     | 8.9      | 84       | 0.10     | 15.0     | 13.4     | 1125     | 4.23        | 7.4      | 0.5     | 4.2      | 2.8      | 23       | 0.049    |
| 11CB0031  | Skookum West  | 623048 | 6988725 | 3547 | 1.2      | 16.5     | 9.3      | 53       | 0.20     | 14.5     | 13.2     | 754      | 3.08        | 7        | 0.4     | 1.8      | 2.7      | 17       | 0.049    |
| 11CB0030  | Skookum West  | 623058 | 6988698 | 3546 | 1.1      | 15.3     | 8.3      | 57       | 0.05     | 14.6     | 9.9      | 707      | 3.27        | 6.7      | 0.4     | 12       | 3        | 15       | 0.049    |
| 11CB0029  | Skookum West  | 623058 | 6988675 | 3545 | 1.3      | 20.1     | 8.1      | 66       | 0.05     | 18.8     | 9.7      | 486      | 3.69        | 7.9      | 0.5     | 4.3      | 3.3      | 20       | 0.049    |
| 11CB0028  | Skookum West  | 623058 | 6988648 | 3544 | 1.1      | 17.1     | 9.6      | 57       | 0.05     | 17.9     | 7.9      | 400      | 2.86        | 7.2      | 1       | 4        | 4.1      | 22       | 0.049    |
| 11CB0027  | Skookum West  | 623056 | 6988625 | 3543 | 1.2      | 19.0     | 8.9      | 67       | 0.05     | 22.2     | 10.6     | 480      | 3.3         | 8.1      | 0.4     | 3.5      | 3.3      | 19       | 0.049    |
| 11CB0026  | Skookum West  | 623056 | 6988600 | 3542 | 1.3      | 20.7     | 12.4     | 62       | 0.05     | 22.8     | 9.6      | 327      | 3.09        | 10.1     | 0.5     | 2.2      | 3.3      | 22       | 0.2      |
| 11CB0025  | Skookum West  | 623056 | 6988573 | 3541 | 1.2      | 15.7     | 11.1     | 64       | 0.05     | 21.2     | 12.5     | 629      | 3.57        | 7        | 0.8     | 3.3      | 4.6      | 27       | 0.049    |
| 11CB0024  | Skookum West  | 623057 | 6988550 | 3540 | 1.0      | 16.1     | 9.2      | 61       | 0.05     | 24.0     | 13.5     | 536      | 3.43        | 7.2      | 0.4     | 2        | 3.3      | 33       | 0.049    |
| 11CB0023  | Skookum West  | 623049 | 6988525 | 3539 | 0.9      | 13.4     | 7.5      | 71       | 0.05     | 19.9     | 17.3     | 466      | 3.57        | 3.9      | 0.4     | 2        | 2.8      | 25       | 0.1      |
| 11CB0022  | Skookum West  | 623049 | 6988498 | 3538 | 1.1      | 14.0     | 9.2      | 59       | 0.05     | 21.1     | 12.4     | 407      | 3.02        | 7.3      | 0.5     | 2.6      | 4.7      | 19       | 0.049    |
| 11CB0020  | Skookum West  | 622999 | 6988926 | 3536 | 0.9      | 34.4     | 10.9     | 66       | 0.05     | 27.1     | 12.5     | 372      | 3.31        | 11       | 0.9     | 7.1      | 5.4      | 22       | 0.2      |
| 11CB0019  | Skookum West  | 622997 | 6988940 | 3535 | 0.8      | 29.8     | 17.7     | 70       | 0.05     | 24.1     | 11.7     | 387      | 2.93        | 7.2      | 0.6     | 14.6     | 3.9      | 23       | 0.1      |
| 11CB0018  | Skookum West  | 622998 | 6988975 | 3534 | 0.7      | 33.2     | 8.8      | 67       | 0.10     | 23.8     | 10.7     | 331      | 2.96        | 7.4      | 0.9     | 9        | 2.8      | 26       | 0.049    |
| 11CB0017  | Skookum West  | 623000 | 6988999 | 3533 | 0.9      | 33.4     | 9.7      | 119      | 0.05     | 17.8     | 15.6     | 636      | 5.02        | 7.1      | 0.3     | 6.1      | 1.7      | 13       | 0.2      |
| 11CB0016  | Skookum West  | 622999 | 6989020 | 3532 | 1.6      | 21.4     | 10.6     | 61       | 0.10     | 19.6     | 8.5      | 283      | 4.05        | 12.8     | 0.5     | 3.2      | 3.1      | 18       | 0.2      |
| 11CB0015  | Skookum West  | 623000 | 6989052 | 3531 | 1.6      | 23.6     | 8.8      | 77       | 0.05     | 20.5     | 10.6     | 390      | 3.94        | 8.9      | 0.5     | 4.6      | 3.4      | 18       | 0.049    |
| 11CB0014  | Skookum West  | 622999 | 6989074 | 3530 | 1.0      | 27.3     | 9.4      | 99       | 0.05     | 20.4     | 13.9     | 533      | 4.52        | 8.7      | 0.3     | 7.7      | 2.5      | 13       | 0.2      |
| 11CB0013  | Skookum West  | 623000 | 6989095 | 3529 | 1.1      | 7.5      | 5.2      | 119      | 0.05     | 11.6     | 18.7     | 806      | 3.74        | 6.2      | 0.4     | 2.7      | 3.1      | 16       | 0.049    |
| 11CB0012  | Skookum West  | 623002 | 6989123 | 3528 | 0.3      | 61.2     | 3.9      | 92       | 0.20     | 334.1    | 47.4     | 1263     | 6.92        | 1.7      | 1.4     | 2        | 10.5     | 385      | 0.049    |
| 11CB0011  | Skookum West  | 623001 | 6989148 | 3527 | 1.8      | 35.5     | 13.4     | 86       | 0.30     | 82.1     | 19.7     | 998      | 5           | 6.7      | 1.2     | 21.6     | 7.6      | 57       | 0.1      |
| 11CB0010  | Skookum West  | 623002 | 6989173 | 3526 | 1.4      | 18.3     | 9.0      | 76       | 0.10     | 19.7     | 10.6     | 435      | 3.76        | 6.9      | 0.6     | 22.5     | 3.8      | 19       | 0.049    |
| 11CB0009  | Skookum West  | 622999 | 6989194 | 3525 | 1.5      | 18.3     | 8.1      | 79       | 0.05     | 19.3     | 12.2     | 637      | 3.84        | 7.3      | 0.5     | 14.1     | 4.5      | 17       | 0.049    |
| 11CB0008  | Skookum West  | 622999 | 6989221 | 3524 | 1.2      | 18.1     | 9.3      | 69       | 0.05     | 23.7     | 11.4     | 413      | 3.75        | 9.5      | 0.7     | 9.5      | 4.2      | 17       | 0.049    |
| 11CB0007  | Skookum West  | 622996 | 6989248 | 3523 | 1.7      | 16.4     | 9.3      | 77       | 0.10     | 17.8     | 9.8      | 431      | 4.14        | 7.9      | 0.5     | 9.5      | 3.6      | 17       | 0.049    |
| 11CB0006  | Skookum West  | 622999 | 6989274 | 3522 | 1.2      | 14.5     | 8.5      | 85       | 0.05     | 16.0     | 13.6     | 788      | 4.17        | 6.6      | 0.5     | 10.1     | 3.3      | 11       | 0.049    |
| 11CB0005  | Skookum West  | 623003 | 6989297 | 3521 | 1.8      | 18.9     | 10.4     | 55       | 0.30     | 13.6     | 8.5      | 341      | 3.38        | 6.4      | 0.5     | 4.4      | 2.8      | 13       | 0.1      |
| 11CB0004  | Skookum West  | 623001 | 6989321 | 3520 | 1.8      | 19.2     | 9.7      | 87       | 0.10     | 22.0     | 11.2     | 458      | 4.06        | 7.2      | 0.6     | 6.2      | 4.2      | 17       | 0.1      |
| 11CB0003  | Skookum West  | 622998 | 6989343 | 3519 | 2.2      | 16.9     | 10.0     | 77       | 0.10     | 17.6     | 10.5     | 484      | 3.87        | 8.1      | 0.5     | 7.5      | 3.3      | 17       | 0.049    |
| 11CB0002  | Skookum West  | 623000 | 6989373 | 3518 | 1.7      | 17.7     | 9.1      | 69       | 0.05     | 16.9     | 9.2      | 369      | 3.6         | 7.9      | 0.5     | 5.1      | 3.9      | 16       | 0.1      |
| 11CB0001  | Skookum West  | 623000 | 6989402 | 3517 | 1.3      | 15.3     | 8.8      | 71       | 0.05     | 15.2     | 9.7      | 450      | 3.4         | 7.8      | 0.5     | 6.3      | 3.7      | 14       | 0.1      |
| 11BH0604  | Alberta Creek | 633800 | 6987650 | 8089 | 1.3      | 38.1     | 7.1      | 61       | 0.10     | 24.4     | 8.7      | 286      | 2.91        | 4.9      | 0.8     | 2.9      | 3.6      | 16       | 0.1      |
| 11BH0603  | Alberta Creek | 633799 | 6987624 | 8088 | 2.2      | 62.9     | 10.1     | 71       | 0.05     | 42.2     | 15.8     | 420      | 3.39        | 5.2      | 0.6     | 2.7      | 3.2      | 23       | 0.1      |
| 11BH0602  | Alberta Creek | 633798 | 6987600 | 8087 | 0.5      | 47.0     | 6.2      | 85       | 0.05     | 34.7     | 13.4     | 707      | 4.04        | 3.6      | 0.7     | 1.6      | 4.5      | 16       | 0.1      |
| 11BH0601  | Alberta Creek | 633800 | 6987575 | 8086 | 0.3      | 48.9     | 3.3      | 89       | 0.05     | 69.8     | 18       | 788      | 4.57        | 2.4      | 0.6     | 1.8      | 5        | 24       | 0.1      |
| 11BH0600  | Alberta Creek | 633802 | 6987547 | 8085 | 0.7      | 34.9     | 8.5      | 58       | 0.05     | 31.5     | 11       | 370      | 2.9         | 5.8      | 0.7     | 2.7      | 4.1      | 16       | 0.1      |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11BH0599  | Alberta Creek | 633798 | 6987525 | 8084 | 0.7      | 39.3     | 6.7      | 62       | 0.05     | 47.9     | 13.1     | 447      | 3.13        | 6.6      | 0.8     | 3.7      | 6.6      | 24       | 0.1      |
| 11BH0598  | Alberta Creek | 633801 | 6987502 | 8083 | 0.5      | 59.9     | 4.3      | 136      | 0.05     | 30.1     | 17.1     | 734      | 5.74        | 2.7      | 0.7     | 1        | 4.4      | 10       | 0.049    |
| 11BH0597  | Alberta Creek | 633802 | 6987478 | 8082 | 0.9      | 47.3     | 6.5      | 69       | 0.05     | 20.1     | 10.2     | 361      | 3.83        | 7.8      | 0.7     | 1.9      | 4.2      | 14       | 0.1      |
| 11BH0596  | Alberta Creek | 633801 | 6987453 | 8081 | 1.5      | 19.8     | 11.4     | 47       | 0.05     | 18.7     | 7.3      | 220      | 2.6         | 7.6      | 0.6     | 4.6      | 3.3      | 18       | 0.049    |
| 11BH0595  | Alberta Creek | 633804 | 6987429 | 8080 | 1.2      | 136.9    | 6.5      | 57       | 0.40     | 63.8     | 10.5     | 406      | 2.75        | 8.3      | 1.3     | 4.3      | 2.7      | 41       | 0.1      |
| 11BH0594  | Alberta Creek | 633803 | 6987403 | 8079 | 0.3      | 7.3      | 4.7      | 61       | 0.05     | 5.9      | 9.5      | 877      | 3.49        | 0.7      | 0.5     | 1.8      | 4.2      | 26       | 0.049    |
| 11BH0593  | Alberta Creek | 633799 | 6987377 | 8078 | 0.4      | 12.0     | 5.5      | 59       | 0.05     | 13.0     | 9.9      | 666      | 3.57        | 4.6      | 0.4     | 0.249    | 2.5      | 122      | 0.049    |
| 11BH0592  | Alberta Creek | 633801 | 6987352 | 8077 | 0.4      | 13.2     | 5.6      | 97       | 0.05     | 13.8     | 14.7     | 1240     | 5.34        | 4.7      | 0.8     | 0.7      | 3.4      | 170      | 0.049    |
| 11BH0591  | Alberta Creek | 633801 | 6987326 | 8076 | 0.4      | 19.4     | 4.3      | 82       | 0.05     | 15.0     | 13.1     | 599      | 5.25        | 4.4      | 0.3     | 0.249    | 1.6      | 114      | 0.049    |
| 11BH0590  | Alberta Creek | 633801 | 6987299 | 8075 | 0.8      | 19.5     | 8.8      | 62       | 0.05     | 20.9     | 9        | 505      | 3.36        | 5.6      | 0.6     | 1.2      | 2.4      | 106      | 0.049    |
| 11BH0589  | Alberta Creek | 635495 | 6987952 | 8074 | 1.2      | 13.4     | 11.3     | 83       | 0.05     | 23.3     | 13.6     | 897      | 3.54        | 4.8      | 0.6     | 3        | 1.8      | 60       | 0.1      |
| 11BH0588  | Alberta Creek | 635498 | 6987901 | 8073 | 1.7      | 12.1     | 10.1     | 123      | 0.05     | 17.3     | 17.2     | 1141     | 4.99        | 5.2      | 0.4     | 2.1      | 1.6      | 46       | 0.049    |
| 11BH0587  | Alberta Creek | 635502 | 6987875 | 8072 | 0.8      | 8.8      | 7.4      | 50       | 0.05     | 10.9     | 7.2      | 339      | 2.32        | 5.6      | 0.4     | 1.2      | 1.7      | 25       | 0.049    |
| 11BH0586  | Alberta Creek | 635497 | 6987851 | 8071 | 3.4      | 25.3     | 10.7     | 78       | 0.05     | 48.8     | 15.3     | 415      | 3.79        | 2.8      | 0.6     | 3.3      | 5.2      | 18       | 0.049    |
| 11BH0585  | Alberta Creek | 635497 | 6987824 | 8070 | 0.7      | 35.4     | 5.2      | 59       | 0.05     | 10.5     | 11.7     | 249      | 3.82        | 5.4      | 0.6     | 1.8      | 1.9      | 20       | 0.049    |
| 11BH0584  | Alberta Creek | 635497 | 6987798 | 8069 | 1.8      | 19.4     | 13.1     | 55       | 0.05     | 43.7     | 14.8     | 726      | 3.9         | 9.2      | 0.7     | 46.7     | 4.4      | 31       | 0.049    |
| 11BH0583  | Alberta Creek | 635499 | 6987774 | 8068 | 1.2      | 19.8     | 9.0      | 69       | 0.05     | 32.6     | 14.5     | 782      | 4.04        | 8.1      | 0.7     | 8        | 3.1      | 26       | 0.049    |
| 11BH0582  | Alberta Creek | 635495 | 6987747 | 8067 | 1.6      | 24.5     | 13.0     | 70       | 0.05     | 33.2     | 14.9     | 594      | 4.12        | 9.5      | 0.8     | 74.7     | 3.5      | 41       | 0.049    |
| 11BH0581  | Alberta Creek | 635400 | 6987746 | 8066 | 3.4      | 10.2     | 8.9      | 57       | 0.05     | 16.8     | 12.5     | 1129     | 3.92        | 4.9      | 0.7     | 12.1     | 3.4      | 57       | 0.049    |
| 11BH0580  | Alberta Creek | 635398 | 6987786 | 8065 | 1.1      | 19.1     | 11.3     | 64       | 0.05     | 32.4     | 14.3     | 778      | 3.97        | 8.8      | 0.8     | 95.4     | 3.5      | 38       | 0.049    |
| 11BH0579  | Alberta Creek | 635402 | 6987815 | 8064 | 0.7      | 27.2     | 26.6     | 57       | 0.10     | 75.5     | 16.1     | 645      | 3.28        | 9.8      | 0.9     | 4        | 7.1      | 75       | 0.049    |
| 11BH0578  | Alberta Creek | 635401 | 6987838 | 8063 | 1.7      | 18.6     | 9.7      | 53       | 0.05     | 22.1     | 10.5     | 454      | 3.72        | 5        | 0.8     | 98.7     | 2.3      | 19       | 0.049    |
| 11BH0577  | Alberta Creek | 635400 | 6987861 | 8062 | 1.4      | 16.2     | 9.8      | 69       | 0.05     | 20.6     | 11.9     | 557      | 4.15        | 8.1      | 1       | 4.8      | 3.7      | 57       | 0.049    |
| 11BH0576  | Alberta Creek | 635400 | 6987883 | 8061 | 28.7     | 45.0     | 19.8     | 91       | 0.30     | 38.5     | 17.2     | 1201     | 4.94        | 5.5      | 0.5     | 132.1    | 2.3      | 71       | 0.049    |
| 11BH0575  | Alberta Creek | 635399 | 6987903 | 8060 | 6.5      | 13.9     | 11.1     | 67       | 0.05     | 19.7     | 10.5     | 445      | 3.53        | 5.8      | 0.5     | 11.3     | 2.6      | 48       | 0.049    |
| 11BH0489  | Skookum Main  | 624849 | 6989001 | 7250 | 0.4      | 19.0     | 2.3      | 98       | 0.05     | 19.9     | 9.4      | 527      | 3.41        | 2.3      | 0.6     | 0.249    | 4.5      | 11       | 0.049    |
| 11BH0488  | Skookum Main  | 624850 | 6989097 | 7249 | 0.6      | 56.7     | 6.3      | 76       | 0.30     | 29.4     | 17.2     | 795      | 3.67        | 4.4      | 0.5     | 2        | 1.8      | 37       | 0.1      |
| 11BH0487  | Skookum Main  | 624852 | 6989128 | 7248 | 0.6      | 48.9     | 5.7      | 82       | 0.10     | 21.3     | 19       | 617      | 4.26        | 3.5      | 0.3     | 1.5      | 1.3      | 42       | 0.049    |
| 11BH0486  | Skookum Main  | 624851 | 6989152 | 7247 | 1.7      | 20.6     | 5.0      | 85       | 0.05     | 5.7      | 12.2     | 363      | 4.02        | 7.1      | 0.2     | 1        | 1.1      | 12       | 0.049    |
| 11BH0485  | Skookum Main  | 624850 | 6989177 | 7246 | 0.7      | 29.8     | 7.5      | 98       | 0.30     | 9.5      | 18.7     | 635      | 5           | 2.7      | 0.4     | 3.3      | 1.2      | 24       | 0.049    |
| 11BH0484  | Skookum Main  | 624851 | 6989201 | 9585 | 1.1      | 18.6     | 12.2     | 50       | 0.30     | 11.4     | 8.5      | 240      | 2.66        | 5.4      | 0.6     | 3.3      | 2.7      | 15       | 0.049    |
| 11BH0483  | Skookum Main  | 624852 | 6989225 | 9584 | 1.3      | 26.8     | 12.8     | 80       | 0.30     | 29.5     | 14.7     | 505      | 4.34        | 5.1      | 0.3     | 1.1      | 1.8      | 18       | 0.1      |
| 11BH0482  | Skookum Main  | 624852 | 6989252 | 9583 | 1.0      | 17.8     | 11.9     | 60       | 0.20     | 14.1     | 12       | 300      | 3.75        | 6.2      | 0.3     | 1.9      | 1.6      | 13       | 0.1      |
| 11BH0481  | Skookum Main  | 624851 | 6989274 | 9582 | 0.8      | 26.1     | 9.0      | 51       | 0.10     | 18.1     | 11.3     | 286      | 3.04        | 6.5      | 0.4     | 3        | 2.2      | 18       | 0.049    |
| 11BH0480  | Skookum Main  | 624850 | 6989301 | 9581 | 1.5      | 14.9     | 41.7     | 97       | 0.30     | 14.5     | 7.9      | 1119     | 2.74        | 6.5      | 0.3     | 2.3      | 1.7      | 19       | 0.4      |
| 11BH0479  | Skookum Main  | 624848 | 6989325 | 9580 | 2.3      | 38.0     | 28.8     | 166      | 0.20     | 14.4     | 12.9     | 568      | 3.29        | 4.8      | 0.6     | 23.5     | 3.2      | 25       | 0.4      |
| 11BH0478  | Skookum Main  | 624847 | 6989349 | 9579 | 2.5      | 38.8     | 29.4     | 147      | 0.20     | 15.9     | 13.1     | 576      | 3.36        | 5        | 0.6     | 65.6     | 3.2      | 26       | 0.3      |
| 11BH0477  | Skookum Main  | 624853 | 6989373 | 9578 | 2.3      | 37.3     | 28.8     | 145      | 0.20     | 13.4     | 12.1     | 506      | 3.16        | 4.2      | 0.6     | 25.9     | 3        | 25       | 0.4      |
| 11BH0476  | Skookum Main  | 624849 | 6989402 | 9577 | 0.7      | 31.4     | 38.1     | 119      | 0.05     | 19.2     | 13.6     | 673      | 3.01        | 5.1      | 0.6     | 11.7     | 3.3      | 17       | 0.3      |
| 11BH0475  | Skookum Main  | 624851 | 6989449 | 9576 | 1.2      | 22.2     | 20.9     | 138      | 0.05     | 17.8     | 12.9     | 689      | 3.01        | 6.5      | 0.5     | 9.6      | 2.5      | 17       | 0.3      |
| 11BH0474  | Skookum Main  | 625001 | 6989202 | 9575 | 2.5      | 40.3     | 32.9     | 169      | 0.20     | 15.1     | 13.6     | 608      | 3.6         | 5        | 0.6     | 94.6     | 3.3      | 29       | 0.4      |
| 11BH0473  | Skookum Main  | 625000 | 6989248 | 9574 | 2.9      | 40.7     | 29.0     | 170      | 0.20     | 16.2     | 13       | 613      | 3.53        | 5.8      | 0.6     | 28.3     | 3.3      | 27       | 0.4      |
| 11BH0472  | Skookum Main  | 625001 | 6989277 | 9573 | 1.2      | 18.2     | 15.8     | 190      | 0.20     | 12.1     | 12.4     | 764      | 3.5         | 3.8      | 0.3     | 1.3      | 1.9      | 39       | 0.3      |
| 11BH0471  | Skookum Main  | 625002 | 6989300 | 9572 | 1.2      | 19.3     | 12.5     | 59       | 0.20     | 18.8     | 9.1      | 284      | 3.37        | 9.5      | 0.5     | 6        | 2.8      | 13       | 0.2      |
| 11BH0470  | Skookum Main  | 625001 | 6989324 | 9571 | 0.6      | 81.7     | 8.8      | 144      | 0.20     | 15.0     | 21.8     | 1051     | 6.12        | 1.6      | 0.5     | 33.9     | 1.7      | 48       | 0.3      |
| 11BH0469  | Skookum Main  | 625002 | 6989349 | 9570 | 2.2      | 44.0     | 31.6     | 134      | 0.40     | 14.4     | 12.8     | 496      | 3.44        | 5.1      | 0.7     | 73.6     | 2.9      | 24       | 0.4      |



| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11BH0468  | Skookum Main | 625002 | 6989374 | 9569 | 2.8      | 103.0    | 24.0     | 69       | 1.00     | 19.9     | 10.1     | 445      | 3.2         | 7.9      | 2.4     | 17.1     | 8.4      | 22       | 0.1      |
| 11BH0467  | Skookum Main | 624996 | 6989402 | 9568 | 1.8      | 49.1     | 17.0     | 84       | 1.00     | 17.9     | 10.6     | 420      | 3.23        | 8.2      | 1.3     | 20       | 6.5      | 36       | 0.2      |
| 11BH0466  | Skookum Main | 624999 | 6989451 | 9567 | 2.7      | 69.0     | 31.2     | 115      | 0.10     | 9.2      | 7.7      | 450      | 3.47        | 3.3      | 0.7     | 9.4      | 7.2      | 29       | 0.4      |
| 11BH0465  | Skookum Main | 625199 | 6989527 | 9566 | 3.1      | 25.6     | 19.0     | 66       | 0.05     | 29.4     | 11.3     | 338      | 3.03        | 7.9      | 0.7     | 99.5     | 5.2      | 29       | 0.1      |
| 11BH0464  | Skookum Main | 625198 | 6989502 | 9565 | 2.3      | 38.2     | 28.5     | 190      | 0.20     | 16.0     | 13.4     | 681      | 3.56        | 4.6      | 0.6     | 18.3     | 3.3      | 36       | 0.5      |
| 11BH0463  | Skookum Main | 625203 | 6989473 | 9564 | 2.5      | 39.2     | 29.9     | 162      | 0.30     | 15.8     | 13       | 603      | 3.6         | 4.9      | 0.7     | 58.8     | 3        | 34       | 0.3      |
| 11BH0462  | Skookum Main | 625201 | 6989427 | 9563 | 2.8      | 7.4      | 16.5     | 33       | 0.10     | 5.8      | 2.8      | 263      | 1.38        | 2.2      | 0.4     | 10.1     | 1.2      | 56       | 0.2      |
| 11BH0461  | Skookum Main | 625202 | 6989380 | 9562 | 3.5      | 30.6     | 20.7     | 70       | 0.30     | 9.8      | 6.3      | 305      | 2.94        | 4        | 0.7     | 7.1      | 9.4      | 114      | 0.2      |
| 11BH0460  | Skookum Main | 625200 | 6989323 | 9561 | 1.4      | 22.5     | 11.2     | 87       | 0.20     | 14.3     | 9.3      | 496      | 3.66        | 5.7      | 0.5     | 0.8      | 3.4      | 21       | 0.1      |
| 11BH0459  | Skookum Main | 625203 | 6989275 | 9560 | 2.8      | 38.1     | 30.2     | 158      | 0.30     | 15.6     | 11.7     | 580      | 3.41        | 5        | 0.6     | 31       | 3.2      | 36       | 0.4      |
| 11BH0458  | Skookum Main | 625203 | 6989224 | 9559 | 2.1      | 27.7     | 16.9     | 69       | 0.60     | 13.5     | 7.1      | 540      | 2.13        | 7.1      | 0.6     | 2.4      | 6.5      | 25       | 0.4      |
| 11BH0457  | Skookum Main | 625201 | 6989177 | 9558 | 1.3      | 28.8     | 20.6     | 147      | 0.30     | 14.3     | 16.6     | 644      | 5.13        | 5.1      | 0.7     | 2.4      | 3.3      | 28       | 0.2      |
| 11BH0456  | Skookum Main | 625200 | 6989125 | 9557 | 1.9      | 35.1     | 39.7     | 160      | 0.20     | 16.7     | 13.3     | 519      | 3.66        | 4.4      | 0.5     | 16.9     | 3.2      | 35       | 0.3      |
| 11BH0455  | Skookum Main | 625201 | 6989075 | 9556 | 1.0      | 30.2     | 15.4     | 117      | 0.10     | 11.2     | 13.1     | 464      | 3.97        | 3.1      | 0.4     | 0.249    | 1.9      | 30       | 0.3      |
| 11BH0454  | Skookum Main | 625251 | 6989125 | 6944 | 1.9      | 40.6     | 59.9     | 370      | 0.30     | 13.3     | 8        | 640      | 2.7         | 5.2      | 1.3     | 8.3      | 8.2      | 32       | 0.6      |
| 11BH0453  | Skookum Main | 625254 | 6989151 | 6943 | 11.6     | 298.4    | 16.7     | 132      | 0.70     | 27.1     | 16.3     | 594      | 3.64        | 5.4      | 2       | 8.7      | 5.7      | 29       | 0.7      |
| 11BH0452  | Skookum Main | 625251 | 6989173 | 6942 | 6.0      | 154.4    | 23.4     | 169      | 0.60     | 11.3     | 12.1     | 540      | 3.15        | 4.2      | 2.1     | 6        | 6.7      | 21       | 0.7      |
| 11BH0451  | Skookum Main | 625251 | 6989228 | 6941 | 5.7      | 42.2     | 17.0     | 75       | 0.20     | 9.6      | 6.6      | 528      | 2.73        | 4.2      | 0.9     | 54.7     | 6.6      | 23       | 0.3      |
| 11BH0450  | Skookum Main | 625251 | 6989276 | 6940 | 10.4     | 29.7     | 15.3     | 91       | 0.30     | 10.8     | 7.4      | 403      | 3           | 7.7      | 0.7     | 308.4    | 4.7      | 21       | 0.3      |
| 11BH0449  | Skookum Main | 625251 | 6989329 | 6939 | 2.9      | 21.7     | 17.0     | 76       | 0.05     | 7.7      | 6.1      | 294      | 2.83        | 2.9      | 0.8     | 2.6      | 10.3     | 52       | 0.049    |
| 11BH0448  | Skookum Main | 625248 | 6989375 | 6938 | 2.2      | 17.2     | 12.2     | 66       | 0.20     | 8.1      | 7.7      | 924      | 2.46        | 4.3      | 0.7     | 2.5      | 7        | 19       | 0.2      |
| 11BH0447  | Skookum Main | 625248 | 6989428 | 6937 | 2.1      | 14.0     | 7.9      | 49       | 0.05     | 4.5      | 3.1      | 250      | 1.85        | 3.7      | 0.7     | 2.5      | 7.9      | 82       | 0.049    |
| 11BH0446  | Skookum Main | 625250 | 6989475 | 6936 | 5.1      | 14.3     | 14.5     | 60       | 0.20     | 16.3     | 6.3      | 297      | 2.97        | 8.6      | 0.6     | 68.8     | 4.6      | 32       | 0.2      |
| 11BH0445  | Skookum Main | 625252 | 6989828 | 6935 | 6.2      | 31.2     | 14.8     | 87       | 0.05     | 12.2     | 9.1      | 432      | 3.12        | 6.5      | 0.9     | 51.2     | 5.2      | 16       | 0.2      |
| 11BH0444  | Skookum Main | 625252 | 6989875 | 6934 | 1.8      | 13.4     | 8.8      | 56       | 0.05     | 12.8     | 6.9      | 325      | 3.11        | 8.3      | 0.7     | 13.3     | 4.9      | 27       | 0.1      |
| 11BH0443  | Skookum Main | 625249 | 6989900 | 6933 | 2.4      | 19.5     | 12.0     | 51       | 0.10     | 15.9     | 7.8      | 365      | 3.06        | 7.6      | 0.9     | 7.8      | 7.1      | 19       | 0.1      |
| 11BH0442  | Skookum Main | 625301 | 6989899 | 6932 | 3.5      | 20.6     | 13.7     | 70       | 0.05     | 13.5     | 9.6      | 431      | 3.74        | 6.6      | 0.8     | 22.9     | 3.8      | 18       | 0.2      |
| 11BH0441  | Skookum Main | 625299 | 6989873 | 6931 | 1.8      | 14.7     | 11.7     | 69       | 0.05     | 10.9     | 8.2      | 410      | 3.55        | 6.1      | 0.9     | 5.8      | 5.4      | 15       | 0.2      |
| 11BH0440  | Skookum Main | 625300 | 6989851 | 6930 | 5.0      | 19.5     | 12.9     | 77       | 0.05     | 15.7     | 7.8      | 352      | 3.48        | 9.8      | 0.6     | 37.1     | 4.4      | 21       | 0.2      |
| 11BH0439  | Skookum Main | 625299 | 6989826 | 6929 | 7.3      | 39.3     | 14.2     | 70       | 0.10     | 14.1     | 8.2      | 343      | 3.23        | 6.2      | 0.9     | 117.9    | 7        | 24       | 0.2      |
| 11BH0438  | Skookum Main | 625301 | 6989778 | 6928 | 2.8      | 56.0     | 37.8     | 72       | 0.10     | 19.8     | 10.5     | 371      | 3.5         | 6.9      | 0.9     | 54.7     | 7        | 17       | 0.2      |
| 11BH0437  | Skookum Main | 625302 | 6989727 | 6927 | 2.2      | 18.4     | 15.3     | 69       | 0.20     | 29.3     | 11.8     | 406      | 3.9         | 7.8      | 0.7     | 46       | 4.2      | 21       | 0.2      |
| 11BH0436  | Skookum Main | 625298 | 6989675 | 6926 | 2.7      | 20.4     | 19.4     | 75       | 0.10     | 26.2     | 9.3      | 311      | 4           | 9.1      | 0.7     | 56.4     | 5.6      | 23       | 0.3      |
| 11BH0435  | Skookum Main | 625298 | 6989622 | 6925 | 4.5      | 48.7     | 21.0     | 97       | 0.20     | 13.2     | 5.6      | 222      | 2.8         | 8.9      | 0.6     | 7.9      | 3.8      | 28       | 0.6      |
| 11BH0434  | Skookum Main | 625302 | 6989576 | 6924 | 7.5      | 43.1     | 22.7     | 109      | 0.40     | 16.2     | 10.2     | 541      | 3.68        | 9.3      | 0.8     | 9.1      | 5.5      | 19       | 0.2      |
| 11BH0433  | Skookum Main | 625301 | 6989477 | 6923 | 1.5      | 28.0     | 11.9     | 58       | 0.10     | 22.2     | 11.5     | 308      | 2.94        | 10       | 1.6     | 5.8      | 6.1      | 20       | 0.1      |
| 11BH0432  | Skookum Main | 625303 | 6989425 | 6922 | 1.3      | 25.2     | 11.0     | 58       | 0.30     | 23.1     | 9.6      | 314      | 2.91        | 9.6      | 1.1     | 9.5      | 6.5      | 20       | 0.2      |
| 11BH0431  | Skookum Main | 625300 | 6989376 | 6921 | 0.8      | 40.1     | 12.2     | 130      | 0.20     | 4.5      | 6.8      | 452      | 3.15        | 2.5      | 1.2     | 1.3      | 9        | 11       | 0.2      |
| 11BH0430  | Skookum Main | 625301 | 6989326 | 6920 | 2.2      | 73.0     | 19.1     | 133      | 0.10     | 9.5      | 8.9      | 560      | 3.63        | 5.4      | 1       | 6.8      | 8.1      | 15       | 0.3      |
| 11BH0429  | Skookum Main | 625299 | 6989278 | 6919 | 2.0      | 34.5     | 20.3     | 55       | 0.05     | 25.7     | 9.6      | 283      | 2.79        | 10.3     | 1.2     | 68.5     | 6.6      | 23       | 0.1      |
| 11BH0428  | Skookum Main | 625301 | 6989225 | 6918 | 7.1      | 37.2     | 34.3     | 95       | 0.60     | 26.2     | 13.7     | 912      | 3.41        | 4.9      | 1.3     | 167.1    | 5.2      | 31       | 0.5      |
| 11BH0427  | Skookum Main | 625304 | 6989172 | 6917 | 2.7      | 79.7     | 22.7     | 187      | 0.10     | 8.6      | 10.1     | 750      | 4.15        | 4.3      | 0.9     | 29.8     | 7.4      | 19       | 0.4      |
| 11BH0426  | Skookum Main | 625301 | 6989124 | 6916 | 3.3      | 56.9     | 17.4     | 86       | 0.30     | 14.7     | 9.9      | 511      | 2.93        | 6.2      | 0.7     | 7.1      | 3.7      | 26       | 0.3      |
| 11BH0425  | Skookum Main | 625304 | 6989103 | 6915 | 2.9      | 95.3     | 25.9     | 176      | 0.10     | 13.2     | 10.8     | 585      | 3.4         | 7        | 1.2     | 12.9     | 7        | 26       | 0.5      |
| 11BH0424  | Skookum Main | 625502 | 6989772 | 6914 | 2.4      | 124.7    | 21.5     | 86       | 0.30     | 20.0     | 10.9     | 372      | 3.46        | 10       | 1       | 16.9     | 5.2      | 28       | 0.2      |
| 11BH0423  | Skookum Main | 625500 | 6989798 | 6913 | 16.5     | 276.5    | 219.4    | 543      | 1.50     | 6.3      | 5        | 239      | 5.25        | 375.9    | 2       | 6.7      | 6.8      | 23       | 1        |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11BH0422  | Skookum Main | 625500 | 6989825 | 6912 | 5.5      | 87.1     | 33.0     | 198      | 0.60     | 18.1     | 9.4      | 369      | 3.55        | 17       | 1.4     | 10.3     | 8        | 18       | 0.7      |
| 11BH0421  | Skookum Main | 625496 | 6989852 | 6911 | 2.6      | 73.8     | 21.2     | 107      | 0.40     | 17.1     | 8.2      | 324      | 3.06        | 8.3      | 1.3     | 14.7     | 5.8      | 22       | 0.3      |
| 11BH0420  | Skookum Main | 625497 | 6989878 | 6910 | 3.1      | 102.9    | 43.2     | 141      | 0.10     | 81.4     | 18.2     | 528      | 4.09        | 7.5      | 1.7     | 30.2     | 7.8      | 60       | 0.2      |
| 11BH0419  | Skookum Main | 625445 | 6989899 | 6909 | 2.3      | 42.6     | 13.3     | 85       | 0.30     | 42.7     | 13.1     | 433      | 2.96        | 6.1      | 2.5     | 9.1      | 5.9      | 41       | 0.2      |
| 11BH0418  | Skookum Main | 625449 | 6989875 | 6908 | 2.3      | 39.8     | 15.8     | 100      | 0.20     | 40.7     | 12.5     | 441      | 3.24        | 6.2      | 1.5     | 39.5     | 6.5      | 41       | 0.3      |
| 11BH0417  | Skookum Main | 625448 | 6989848 | 6907 | 2.8      | 68.6     | 38.8     | 136      | 0.50     | 10.7     | 8.8      | 676      | 3           | 5        | 1.5     | 679.3    | 5.3      | 127      | 0.8      |
| 11BH0416  | Skookum Main | 625452 | 6989825 | 6906 | 1.7      | 34.5     | 20.6     | 132      | 0.10     | 20.0     | 13.4     | 588      | 3.82        | 9.5      | 0.8     | 20.3     | 6.5      | 23       | 0.4      |
| 11BH0415  | Skookum Main | 625450 | 6989749 | 6905 | 1.9      | 59.1     | 13.5     | 80       | 0.20     | 24.8     | 12.5     | 325      | 3.01        | 10.5     | 1       | 8.1      | 6.2      | 21       | 0.4      |
| 11BH0414  | Skookum Main | 625454 | 6989771 | 6904 | 3.3      | 113.5    | 35.4     | 149      | 0.50     | 20.4     | 9.8      | 421      | 3.14        | 9.6      | 1.1     | 29.3     | 5        | 23       | 0.4      |
| 11BH0413  | Skookum Main | 625447 | 6989728 | 6903 | 1.8      | 76.2     | 19.2     | 93       | 0.30     | 25.8     | 11.8     | 470      | 3.06        | 9        | 1.4     | 31       | 8        | 25       | 0.2      |
| 11BH0412  | Skookum Main | 625450 | 6989682 | 6902 | 1.9      | 125.8    | 79.8     | 159      | 0.40     | 14.2     | 10.9     | 352      | 3.76        | 6.9      | 0.8     | 8.1      | 4.8      | 15       | 0.4      |
| 11BH0411  | Skookum Main | 625448 | 6989624 | 6901 | 11.0     | 256.7    | 36.9     | 125      | 0.80     | 6.7      | 7.6      | 502      | 3.82        | 4.9      | 1.4     | 45.2     | 10.2     | 19       | 0.4      |
| 11BH0410  | Skookum Main | 625451 | 6989574 | 6900 | 5.9      | 54.6     | 16.2     | 100      | 0.30     | 5.5      | 3.3      | 306      | 3.6         | 5.8      | 1.2     | 15       | 8.6      | 45       | 0.3      |
| 11BH0409  | Skookum Main | 625452 | 6989522 | 6899 | 88.3     | 225.6    | 53.7     | 185      | 1.10     | 7.8      | 6        | 514      | 3.79        | 9.5      | 1       | 1946     | 6.8      | 26       | 0.5      |
| 11BH0408  | Skookum Main | 625448 | 6989474 | 6898 | 8.9      | 131.3    | 16.0     | 80       | 0.40     | 19.2     | 8.7      | 332      | 2.93        | 9.7      | 1.4     | 158.5    | 7.1      | 20       | 0.4      |
| 11BH0407  | Skookum Main | 625450 | 6989424 | 6897 | 17.1     | 187.8    | 32.9     | 118      | 0.60     | 12.6     | 6.8      | 310      | 3.2         | 7.4      | 1.1     | 481.1    | 7        | 19       | 0.5      |
| 11BH0406  | Skookum Main | 625448 | 6989381 | 6896 | 6.7      | 149.4    | 25.0     | 134      | 0.40     | 19.5     | 8.2      | 504      | 3.25        | 6.8      | 1.2     | 142.7    | 6.6      | 27       | 0.6      |
| 11BH0405  | Skookum Main | 625447 | 6989323 | 6895 | 4.6      | 44.7     | 20.2     | 111      | 0.50     | 18.6     | 8.7      | 525      | 3.37        | 7.9      | 1       | 61.4     | 5.6      | 25       | 0.4      |
| 11BH0404  | Skookum Main | 625447 | 6989271 | 6894 | 6.4      | 46.0     | 25.1     | 131      | 0.30     | 16.2     | 7        | 393      | 3.48        | 6.7      | 0.9     | 108.7    | 5.8      | 23       | 0.3      |
| 11BH0403  | Skookum Main | 625450 | 6989223 | 6893 | 5.1      | 28.5     | 12.8     | 66       | 0.05     | 24.3     | 9.3      | 319      | 3.36        | 6.5      | 0.8     | 47.8     | 7        | 29       | 0.1      |
| 11BH0402  | Skookum Main | 625450 | 6989197 | 6892 | 3.0      | 25.4     | 8.7      | 59       | 0.05     | 20.9     | 8.7      | 377      | 2.79        | 6.1      | 0.9     | 46.6     | 7        | 26       | 0.2      |
| 11BH0401  | Skookum Main | 625447 | 6989175 | 6891 | 2.5      | 20.3     | 10.9     | 65       | 0.20     | 15.8     | 7.8      | 324      | 2.99        | 6.5      | 0.8     | 25.2     | 6        | 19       | 0.049    |
| 11BH0400  | Skookum Main | 625448 | 6989150 | 6890 | 2.1      | 36.7     | 11.0     | 97       | 0.05     | 9.6      | 6.9      | 405      | 3.69        | 2.5      | 0.7     | 4.4      | 9.2      | 22       | 0.1      |
| 11BH0399  | Skookum Main | 625451 | 6989127 | 6889 | 2.0      | 27.5     | 12.5     | 91       | 0.20     | 12.2     | 8.2      | 535      | 3.41        | 3.5      | 0.8     | 25.9     | 8.1      | 23       | 0.1      |
| 11BH0398  | Skookum Main | 625449 | 6989101 | 6888 | 1.7      | 34.6     | 9.8      | 125      | 0.05     | 14.0     | 8.3      | 587      | 4.26        | 3.4      | 0.7     | 3.9      | 9.4      | 21       | 0.1      |
| 11BH0397  | Skookum Main | 625797 | 6990026 | 6887 | 2.7      | 26.7     | 15.2     | 88       | 0.05     | 44.4     | 13.3     | 491      | 4.89        | 9.6      | 1       | 6.4      | 4.3      | 18       | 0.2      |
| 11BH0396  | Skookum Main | 625800 | 6990000 | 6886 | 1.7      | 17.8     | 8.6      | 61       | 0.05     | 27.3     | 9.6      | 413      | 2.92        | 4.9      | 0.9     | 7.3      | 4.8      | 23       | 0.1      |
| 11BH0395  | Skookum Main | 625800 | 6989975 | 6885 | 2.8      | 15.2     | 10.2     | 51       | 0.05     | 32.8     | 8.6      | 320      | 3.24        | 7.1      | 0.6     | 7.4      | 2.9      | 12       | 0.2      |
| 11BH0394  | Skookum Main | 625799 | 6989949 | 6884 | 1.7      | 27.5     | 11.0     | 58       | 0.05     | 27.8     | 10.4     | 401      | 3.56        | 6.6      | 0.9     | 12       | 5.4      | 23       | 0.1      |
| 11BH0393  | Skookum Main | 625800 | 6989902 | 6883 | 2.9      | 22.7     | 13.0     | 55       | 0.10     | 32.0     | 11.6     | 400      | 3.14        | 7.4      | 1       | 66.3     | 5        | 22       | 0.049    |
| 11BH0392  | Skookum Main | 625799 | 6989874 | 6882 | 1.8      | 28.6     | 15.2     | 52       | 0.10     | 38.3     | 10.8     | 338      | 3.02        | 7.3      | 1.2     | 63.4     | 5.8      | 29       | 0.049    |
| 11BH0391  | Skookum Main | 625807 | 6989852 | 6881 | 1.1      | 21.6     | 14.0     | 43       | 0.10     | 26.3     | 7.6      | 204      | 2.92        | 8.4      | 1.1     | 24.4     | 3.3      | 18       | 0.1      |
| 11BH0390  | Skookum Main | 625799 | 6989826 | 6880 | 1.2      | 29.1     | 11.2     | 51       | 0.10     | 24.7     | 10.5     | 357      | 3.07        | 9.5      | 1.3     | 4.6      | 5.3      | 21       | 0.049    |
| 11BH0389  | Skookum Main | 625798 | 6989801 | 6879 | 1.2      | 21.3     | 13.0     | 46       | 0.10     | 17.1     | 7.7      | 278      | 2.97        | 7.7      | 0.8     | 3.2      | 1.3      | 13       | 0.2      |
| 11BH0388  | Skookum Main | 625801 | 6989773 | 6878 | 8.0      | 29.6     | 28.9     | 35       | 0.30     | 8.7      | 7.7      | 355      | 2.48        | 2.4      | 1.2     | 45.3     | 5.6      | 15       | 0.049    |
| 11BH0387  | Skookum Main | 625798 | 6989751 | 6877 | 2.7      | 14.3     | 12.5     | 41       | 0.10     | 14.6     | 6.1      | 211      | 3.24        | 7.2      | 0.6     | 3.4      | 3.4      | 14       | 0.1      |
| 11BH0386  | Skookum Main | 625798 | 6989728 | 6876 | 2.0      | 29.1     | 8.8      | 70       | 0.05     | 15.6     | 8.4      | 474      | 3.45        | 5.9      | 1       | 115.5    | 6.1      | 20       | 0.1      |
| 11BH0385  | Skookum Main | 625799 | 6989703 | 6875 | 1.8      | 36.6     | 13.2     | 92       | 0.50     | 14.3     | 8.4      | 354      | 3.69        | 8.3      | 1       | 40.9     | 6.2      | 16       | 0.049    |
| 11BH0384  | Skookum Main | 625797 | 6989677 | 6874 | 2.1      | 49.2     | 10.3     | 68       | 0.20     | 18.0     | 7.6      | 329      | 3.4         | 6.8      | 0.7     | 125.3    | 6.5      | 20       | 0.2      |
| 11BH0383  | Skookum Main | 625799 | 6989649 | 6873 | 4.7      | 34.0     | 11.1     | 51       | 0.10     | 18.5     | 8.5      | 265      | 3.02        | 7.3      | 1.1     | 102.7    | 7.1      | 19       | 0.049    |
| 11BH0382  | Skookum Main | 625800 | 6989623 | 6872 | 6.7      | 37.8     | 11.4     | 54       | 0.10     | 18.2     | 9.5      | 460      | 3.08        | 5.1      | 0.9     | 145.8    | 7.7      | 18       | 0.049    |
| 11BH0381  | Skookum Main | 625800 | 6989599 | 6871 | 2.5      | 41.7     | 10.3     | 72       | 0.05     | 51.7     | 15.7     | 480      | 4.1         | 8        | 1.4     | 68.4     | 8        | 36       | 0.049    |
| 11BH0380  | Skookum Main | 625799 | 6989579 | 6870 | 2.8      | 28.7     | 9.8      | 55       | 0.05     | 29.5     | 11.2     | 409      | 3.44        | 8.8      | 1.3     | 41       | 7        | 24       | 0.049    |
| 11BH0379  | Skookum Main | 625799 | 6989554 | 6869 | 3.7      | 24.0     | 9.9      | 49       | 0.20     | 23.1     | 7.8      | 293      | 3.34        | 8.4      | 0.8     | 25.3     | 4.8      | 18       | 0.049    |
| 11BH0378  | Skookum Main | 625798 | 6989527 | 6868 | 5.7      | 32.6     | 12.4     | 60       | 0.10     | 24.9     | 9.6      | 340      | 3.47        | 7.9      | 1       | 56.8     | 7.6      | 23       | 0.049    |
| 11BH0377  | Skookum Main | 625801 | 6989503 | 6867 | 5.7      | 30.3     | 11.9     | 61       | 0.20     | 24.9     | 10.2     | 364      | 3.64        | 7.3      | 1       | 68.7     | 7.6      | 23       | 0.049    |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11BH0376  | Skookum Main  | 625801 | 6989475 | 6866 | 5.0      | 31.3     | 9.7      | 53       | 0.05     | 20.9     | 8.2      | 320      | 3.38        | 4.7      | 0.8     | 81.9     | 8.1      | 17       | 0.049    |
| 11BH0375  | Skookum Main  | 625801 | 6989424 | 6865 | 3.2      | 19.9     | 11.1     | 56       | 0.05     | 18.3     | 8.2      | 353      | 3.45        | 7        | 0.6     | 29.1     | 7.1      | 20       | 0.049    |
| 11BH0374  | Skookum Main  | 625799 | 6989377 | 6864 | 1.8      | 17.2     | 10.1     | 52       | 0.10     | 15.7     | 7.8      | 317      | 3.12        | 5.7      | 0.7     | 9.6      | 6.4      | 25       | 0.049    |
| 11BH0373  | Skookum Main  | 625799 | 6989327 | 6863 | 2.1      | 18.0     | 10.2     | 53       | 0.10     | 17.2     | 8.3      | 315      | 3.41        | 6.8      | 0.7     | 10.9     | 6.2      | 26       | 0.049    |
| 11BH0372  | Skookum Main  | 625801 | 6989273 | 6862 | 0.9      | 17.2     | 6.8      | 43       | 0.05     | 9.9      | 5.6      | 268      | 2.26        | 2.2      | 1.1     | 14.5     | 12.3     | 25       | 0.049    |
| 11BH0371  | Skookum Main  | 625799 | 6989221 | 6861 | 1.2      | 39.2     | 6.0      | 49       | 0.05     | 13.7     | 7.1      | 310      | 2.66        | 2.6      | 1.8     | 11.1     | 13.1     | 43       | 0.049    |
| 11BH0370  | Skookum Main  | 625800 | 6990025 | 6860 | 1.5      | 20.7     | 8.1      | 46       | 0.05     | 29.0     | 11.4     | 364      | 2.36        | 3.2      | 1.5     | 25.5     | 9.5      | 41       | 0.049    |
| 11BH0369  | Skookum Main  | 625801 | 6989078 | 6859 | 0.7      | 27.5     | 6.2      | 68       | 0.05     | 18.8     | 11       | 429      | 2.9         | 3.8      | 0.7     | 3.5      | 4.5      | 23       | 0.1      |
| 11BH0368  | Skookum Main  | 625900 | 6989076 | 6858 | 0.7      | 27.1     | 7.9      | 51       | 0.20     | 21.1     | 11.2     | 390      | 2.59        | 5.4      | 0.8     | 4.3      | 3.5      | 23       | 0.049    |
| 11BH0367  | Skookum Main  | 625898 | 6989126 | 6857 | 0.5      | 55.6     | 7.8      | 78       | 0.10     | 30.4     | 17       | 447      | 4.23        | 4.3      | 0.4     | 3.7      | 2        | 27       | 0.049    |
| 11BH0366  | Skookum Main  | 625952 | 6989126 | 6856 | 0.9      | 25.4     | 9.6      | 51       | 0.10     | 24.5     | 11.6     | 383      | 3.02        | 8.8      | 1       | 5.6      | 4.8      | 19       | 0.049    |
| 11BH0365  | Skookum Main  | 625948 | 6989077 | 6855 | 0.6      | 32.5     | 9.7      | 51       | 0.20     | 24.7     | 12.6     | 349      | 2.87        | 8        | 0.7     | 3.8      | 3.8      | 24       | 0.049    |
| 11BH0364  | Skookum Main  | 625988 | 6989080 | 6854 | 0.6      | 34.7     | 8.1      | 60       | 0.05     | 27.8     | 14.1     | 399      | 2.88        | 6.9      | 0.8     | 3.4      | 3.7      | 33       | 0.049    |
| 11BH0363  | Skookum Main  | 626004 | 6989131 | 6853 | 0.6      | 32.9     | 7.9      | 63       | 0.20     | 30.1     | 17       | 339      | 3.55        | 5.7      | 0.4     | 3.9      | 2.8      | 21       | 0.049    |
| 11BH0362  | Skookum Main  | 625846 | 6989075 | 6852 | 1.2      | 30.3     | 7.8      | 69       | 0.10     | 22.0     | 13.7     | 533      | 3.26        | 5.1      | 0.8     | 4.7      | 4        | 23       | 0.049    |
| 11BH0361  | Skookum Main  | 625849 | 6989099 | 6851 | 0.5      | 25.4     | 6.2      | 74       | 0.05     | 16.4     | 10.8     | 507      | 2.97        | 3        | 1.1     | 2.8      | 4.8      | 22       | 0.049    |
| 11BH0360  | Skookum Main  | 625852 | 6989121 | 6850 | 0.5      | 22.6     | 6.7      | 55       | 0.05     | 20.6     | 13.2     | 351      | 2.74        | 4.5      | 0.7     | 1.8      | 3.2      | 23       | 0.049    |
| 11BH0359  | Skookum Main  | 625849 | 6989148 | 6849 | 0.5      | 59.6     | 7.9      | 81       | 0.05     | 71.1     | 22.6     | 558      | 4.21        | 3.7      | 0.9     | 7.9      | 4.4      | 61       | 0.049    |
| 11BH0358  | Skookum Main  | 625848 | 6989170 | 6848 | 0.5      | 52.5     | 8.4      | 87       | 0.05     | 32.3     | 24       | 848      | 4.78        | 2.1      | 0.8     | 4.6      | 2.9      | 28       | 0.2      |
| 11BH0357  | Skookum Main  | 625846 | 6989195 | 6847 | 3.1      | 64.0     | 28.1     | 98       | 0.20     | 23.9     | 11.8     | 569      | 2.87        | 3.7      | 3.1     | 9.6      | 8.1      | 35       | 0.3      |
| 11BH0356  | Skookum Main  | 625853 | 6989220 | 6846 | 5.1      | 40.5     | 16.1     | 61       | 0.30     | 22.5     | 14.9     | 596      | 3.44        | 7.6      | 3.1     | 10       | 6.7      | 42       | 0.2      |
| 11BH0355  | Skookum Main  | 625850 | 6989277 | 6845 | 1.5      | 23.1     | 10.1     | 46       | 0.05     | 15.8     | 7.8      | 326      | 2.57        | 4        | 1.9     | 18.4     | 7        | 35       | 0.1      |
| 11BH0354  | Skookum Main  | 625847 | 6989326 | 6844 | 1.5      | 22.1     | 11.8     | 57       | 0.05     | 22.2     | 10.1     | 488      | 3.33        | 7.4      | 0.8     | 12.4     | 7.5      | 26       | 0.1      |
| 11BH0353  | Skookum Main  | 625847 | 6989377 | 6843 | 0.9      | 12.5     | 9.4      | 55       | 0.05     | 11.0     | 8.2      | 429      | 2.85        | 5.6      | 0.8     | 3.3      | 9        | 43       | 0.1      |
| 11BH0352  | Skookum Main  | 625849 | 6989425 | 6842 | 1.2      | 15.0     | 8.3      | 48       | 0.05     | 10.9     | 7.4      | 328      | 2.44        | 2.7      | 0.8     | 4.8      | 16.9     | 19       | 0.049    |
| 11BH0351  | Skookum Main  | 625848 | 6989475 | 6841 | 2.0      | 27.1     | 11.5     | 58       | 0.05     | 21.4     | 9.4      | 454      | 2.88        | 6.1      | 1.3     | 32       | 14.6     | 39       | 0.049    |
| 11BH0350  | Skookum Main  | 625851 | 6989525 | 6840 | 3.3      | 20.4     | 11.0     | 57       | 0.05     | 15.7     | 8.4      | 366      | 3.06        | 6.5      | 1       | 22       | 9.1      | 26       | 0.049    |
| 11BH0349  | Skookum Main  | 625852 | 6989551 | 6839 | 10.0     | 17.4     | 11.7     | 47       | 0.10     | 9.8      | 6.8      | 463      | 2.81        | 4.3      | 0.8     | 194.1    | 6.4      | 25       | 0.049    |
| 11BH0348  | Skookum Main  | 625850 | 6989572 | 6838 | 2.2      | 22.3     | 10.3     | 41       | 0.05     | 16.9     | 8.6      | 425      | 2.69        | 4.3      | 1.1     | 20.5     | 15.3     | 34       | 0.049    |
| 11BH0347  | Skookum Main  | 625850 | 6989622 | 6837 | 6.4      | 36.6     | 9.4      | 57       | 0.05     | 18.0     | 10.4     | 511      | 3.06        | 6.3      | 1.9     | 82.3     | 12       | 36       | 0.049    |
| 11BH0346  | Skookum Main  | 625852 | 6989676 | 6836 | 2.6      | 32.5     | 10.9     | 61       | 0.10     | 22.1     | 10       | 536      | 2.96        | 8.7      | 1.1     | 166.2    | 7.2      | 29       | 0.049    |
| 11BH0345  | Skookum Main  | 625852 | 6989727 | 6835 | 2.5      | 36.1     | 10.9     | 65       | 0.10     | 17.1     | 11.3     | 602      | 3.21        | 6        | 1       | 348      | 6.5      | 19       | 0.2      |
| 11BH0344  | Skookum Main  | 625850 | 6989773 | 6834 | 13.0     | 24.6     | 16.3     | 49       | 0.40     | 23.4     | 11.6     | 341      | 2.83        | 8        | 0.8     | 85.3     | 5.4      | 18       | 0.1      |
| 11BH0343  | Skookum Main  | 625850 | 6989797 | 6833 | 22.5     | 35.0     | 16.3     | 44       | 0.30     | 16.1     | 10.5     | 580      | 2.77        | 6.1      | 0.8     | 7.1      | 2.6      | 9        | 0.1      |
| 11BH0342  | Skookum Main  | 625850 | 6989829 | 6832 | 5.1      | 21.4     | 12.2     | 46       | 0.10     | 18.0     | 8        | 320      | 2.66        | 9.5      | 1       | 13.4     | 4.8      | 16       | 0.049    |
| 11BH0341  | Skookum Main  | 625848 | 6989876 | 6831 | 1.8      | 26.9     | 13.5     | 57       | 0.05     | 33.4     | 10.7     | 400      | 2.71        | 6.4      | 1.2     | 6        | 7.8      | 36       | 0.049    |
| 11BH0340  | Skookum Main  | 625853 | 6989898 | 6830 | 2.7      | 21.1     | 12.4     | 60       | 0.05     | 31.5     | 12.6     | 465      | 3.23        | 8.3      | 0.7     | 9.5      | 4.8      | 16       | 0.1      |
| 11BH0339  | Skookum Main  | 625851 | 6989926 | 6829 | 3.3      | 24.8     | 15.1     | 66       | 0.05     | 22.3     | 9.8      | 565      | 2.66        | 6.2      | 0.9     | 12       | 5.8      | 26       | 0.049    |
| 11BH0338  | Skookum Main  | 625853 | 6989950 | 6828 | 2.3      | 21.5     | 10.2     | 54       | 0.05     | 28.3     | 8.8      | 332      | 2.72        | 6.5      | 1.3     | 10.1     | 5.1      | 32       | 0.049    |
| 11BH0337  | Skookum Main  | 625856 | 6989976 | 6827 | 2.4      | 13.6     | 10.1     | 68       | 0.05     | 13.6     | 8.2      | 430      | 2.81        | 5        | 0.9     | 6.7      | 5.1      | 20       | 0.1      |
| 11BH0336  | Skookum Main  | 625860 | 6989999 | 6826 | 2.6      | 13.2     | 10.3     | 51       | 0.05     | 15.0     | 6.9      | 376      | 2.47        | 5.6      | 1       | 9.8      | 4.4      | 19       | 0.1      |
| 11BH0335  | Skookum Main  | 625856 | 6990032 | 6825 | 3.2      | 13.1     | 10.6     | 54       | 0.05     | 16.4     | 10       | 502      | 2.84        | 9.8      | 0.9     | 10.2     | 4.7      | 20       | 0.2      |
| 11AN0582  | Alberta Creek | 634100 | 6988150 | 9364 | 0.4      | 20.9     | 7.8      | 87       | 0.10     | 39.7     | 15.3     | 895      | 3.21        | 4.7      | 0.9     | 17.7     | 2.3      | 52       | 0.2      |
| 11AN0580  | Alberta Creek | 634153 | 6988150 | 9362 | 0.6      | 21.6     | 7.7      | 88       | 0.10     | 36.7     | 14.8     | 877      | 3.38        | 4.8      | 0.9     | 14.1     | 2.7      | 49       | 0.2      |
| 11AN0579  | Alberta Creek | 634250 | 6988152 | 9361 | 0.3      | 19.5     | 6.9      | 66       | 0.05     | 22.3     | 9        | 464      | 2.22        | 4.8      | 0.9     | 8.7      | 2.8      | 42       | 0.3      |
| 11AN0578  | Alberta Creek | 634255 | 6988104 | 9360 | 0.5      | 12.6     | 5.9      | 83       | 0.10     | 15.3     | 10.5     | 733      | 3.18        | 3.6      | 0.8     | 23.2     | 2.8      | 45       | 0.1      |

| Sample No | Area          | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|---------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11AN0577  | Alberta Creek | 634257 | 6988054 | 9359 | 0.6      | 12.6     | 5.5      | 90       | 0.10     | 13.4     | 10.8     | 679      | 3.17        | 4.1      | 0.6     | 15       | 2.9      | 33       | 0.1      |
| 11AN0576  | Alberta Creek | 634259 | 6988004 | 9358 | 0.5      | 26.1     | 4.7      | 86       | 0.05     | 10.0     | 10.3     | 821      | 3.29        | 4.1      | 0.8     | 5.6      | 2.2      | 37       | 0.2      |
| 11AN0575  | Alberta Creek | 634261 | 6987954 | 9357 | 0.5      | 21.9     | 4.7      | 88       | 0.05     | 8.6      | 10.4     | 937      | 3.49        | 3.3      | 0.7     | 7.7      | 2.4      | 38       | 0.2      |
| 11AN0574  | Alberta Creek | 634263 | 6987904 | 9356 | 1.0      | 58.1     | 5.0      | 88       | 0.05     | 10.3     | 10.3     | 851      | 3.59        | 4.1      | 0.7     | 2.5      | 2.3      | 31       | 0.049    |
| 11AN0573  | Alberta Creek | 634265 | 6987854 | 9355 | 0.4      | 13.8     | 4.3      | 95       | 0.05     | 8.4      | 10.2     | 744      | 3.55        | 3.6      | 0.3     | 4.9      | 2        | 28       | 0.1      |
| 11AN0572  | Alberta Creek | 634267 | 6987804 | 9354 | 0.4      | 8.6      | 5.4      | 77       | 0.05     | 9.7      | 10       | 857      | 3.15        | 4        | 0.7     | 3.1      | 2.1      | 28       | 0.1      |
| 11AN0571  | Alberta Creek | 634269 | 6987755 | 9353 | 0.8      | 7.9      | 7.1      | 64       | 0.05     | 9.8      | 6.7      | 326      | 2.62        | 4.1      | 0.4     | 3.6      | 1.6      | 29       | 0.1      |
| 11AN0570  | Alberta Creek | 634271 | 6987705 | 9352 | 0.3      | 32.9     | 10.2     | 57       | 0.10     | 25.4     | 11.5     | 606      | 2.96        | 6.2      | 1.3     | 6.7      | 2.9      | 45       | 0.1      |
| 11AN0569  | Alberta Creek | 634274 | 6987655 | 9351 | 0.2      | 47.5     | 9.4      | 56       | 0.05     | 18.1     | 10.2     | 581      | 2.68        | 5.6      | 1       | 1        | 1.6      | 57       | 0.3      |
| 11AN0568  | Alberta Creek | 634276 | 6987605 | 9350 | 0.6      | 123.0    | 8.0      | 79       | 0.10     | 22.4     | 11.3     | 769      | 3.08        | 4        | 1.3     | 2.2      | 1.9      | 101      | 0.2      |
| 11AN0567  | Alberta Creek | 634278 | 6987555 | 9349 | 0.6      | 24.9     | 11.2     | 50       | 0.05     | 24.7     | 9.1      | 450      | 2.63        | 5.9      | 0.9     | 1.4      | 3.3      | 51       | 0.1      |
| 11AN0566  | Alberta Creek | 634280 | 6987505 | 9348 | 0.4      | 34.7     | 10.5     | 56       | 0.10     | 23.4     | 10.4     | 532      | 2.5         | 7.6      | 0.6     | 2.4      | 2.3      | 56       | 0.3      |
| 11AN0565  | Alberta Creek | 634282 | 6987455 | 9347 | 0.4      | 52.0     | 10.0     | 58       | 0.10     | 23.7     | 9.7      | 390      | 2.63        | 8.2      | 0.9     | 3.6      | 1.9      | 57       | 0.2      |
| 11AN0564  | Alberta Creek | 634285 | 6987405 | 9346 | 0.5      | 43.7     | 7.4      | 53       | 0.05     | 18.0     | 8.9      | 441      | 2.27        | 6.2      | 0.5     | 2.5      | 2        | 49       | 0.3      |
| 11AN0563  | Alberta Creek | 634287 | 6987355 | 9345 | 0.4      | 35.6     | 12.1     | 59       | 0.20     | 22.9     | 8.1      | 593      | 2.04        | 6        | 1.6     | 4.2      | 1.1      | 71       | 1.1      |
| 11AN0562  | Alberta Creek | 633043 | 6988354 | 9344 | 0.7      | 24.8     | 16.4     | 70       | 0.05     | 35.9     | 13       | 611      | 3.28        | 8.2      | 1.1     | 6.4      | 5.1      | 31       | 0.1      |
| 11AN0560  | Alberta Creek | 633041 | 6988404 | 9342 | 0.3      | 9.8      | 5.1      | 72       | 0.05     | 12.1     | 9.2      | 532      | 3.34        | 3.3      | 0.7     | 4.5      | 4.2      | 46       | 0.049    |
| 11AN0559  | Alberta Creek | 632941 | 6988399 | 9341 | 0.8      | 16.8     | 9.1      | 57       | 0.05     | 18.0     | 9.8      | 549      | 3.1         | 5.9      | 0.7     | 6.8      | 3.8      | 25       | 0.1      |
| 11AN0558  | Alberta Creek | 632943 | 6988349 | 9340 | 0.9      | 15.3     | 8.3      | 82       | 0.05     | 25.3     | 14.8     | 566      | 3.76        | 7.1      | 0.8     | 5.2      | 5        | 23       | 0.049    |
| 11AN0557  | Alberta Creek | 632945 | 6988299 | 9339 | 1.1      | 21.6     | 10.9     | 80       | 0.05     | 19.8     | 11.1     | 527      | 3.86        | 7.6      | 0.6     | 3.9      | 3.6      | 20       | 0.049    |
| 11AN0556  | Alberta Creek | 632947 | 6988249 | 9338 | 0.4      | 21.2     | 7.2      | 44       | 0.05     | 21.0     | 7.9      | 473      | 1.99        | 4.3      | 1.2     | 2.2      | 1.6      | 46       | 0.4      |
| 11AN0555  | Alberta Creek | 632949 | 6988199 | 9337 | 0.2      | 27.8     | 6.5      | 50       | 0.05     | 21.9     | 8.9      | 544      | 2.41        | 4.7      | 1.1     | 2.9      | 2.2      | 37       | 0.2      |
| 11AN0554  | Alberta Creek | 632952 | 6988150 | 9336 | 0.3      | 28.6     | 8.4      | 47       | 0.05     | 20.4     | 9.8      | 433      | 2.42        | 6.8      | 1       | 2.1      | 2        | 49       | 0.1      |
| 11AN0553  | Alberta Creek | 632954 | 6988100 | 9335 | 0.3      | 50.6     | 7.6      | 48       | 0.10     | 23.8     | 9.3      | 525      | 2.33        | 6.5      | 0.9     | 4.2      | 1.2      | 68       | 0.2      |
| 11AN0552  | Alberta Creek | 632956 | 6988050 | 9334 | 2.5      | 169.8    | 6.4      | 66       | 0.20     | 71.2     | 20.5     | 294      | 3.95        | 6.7      | 1.2     | 2.8      | 3        | 57       | 0.2      |
| 11AN0551  | Alberta Creek | 632958 | 6988000 | 9333 | 1.7      | 74.3     | 6.2      | 46       | 0.10     | 44.9     | 14.5     | 529      | 2.7         | 5.7      | 0.9     | 4        | 1.9      | 57       | 0.2      |
| 11AN0550  | Alberta Creek | 632960 | 6987950 | 9332 | 0.2      | 40.6     | 8.1      | 53       | 0.10     | 22.8     | 9.1      | 238      | 2.24        | 4.9      | 0.8     | 2.7      | 2.6      | 56       | 0.2      |
| 11AN0549  | Alberta Creek | 632962 | 6987900 | 9331 | 0.3      | 34.0     | 7.5      | 73       | 0.05     | 25.1     | 10.5     | 428      | 2.71        | 3.4      | 1.1     | 5.7      | 3.6      | 43       | 0.2      |
| 11AN0548  | Alberta Creek | 632964 | 6987850 | 9330 | 0.3      | 31.9     | 7.0      | 61       | 0.05     | 17.2     | 10.3     | 354      | 3.08        | 9.1      | 1.5     | 3.4      | 3        | 40       | 0.2      |
| 11AN0547  | Alberta Creek | 632966 | 6987800 | 9329 | 0.8      | 35.0     | 7.4      | 63       | 0.10     | 20.8     | 16.9     | 5554     | 2.93        | 3.8      | 1.7     | 2.6      | 3.3      | 36       | 0.4      |
| 11AN0546  | Alberta Creek | 632969 | 6987750 | 9328 | 0.4      | 33.6     | 7.6      | 77       | 0.05     | 20.1     | 15.2     | 1239     | 3           | 3.6      | 1.1     | 1.2      | 3.1      | 34       | 0.3      |
| 11AN0545  | Alberta Creek | 632971 | 6987700 | 9327 | 0.5      | 25.7     | 6.6      | 67       | 0.10     | 17.2     | 15       | 718      | 3.26        | 4.3      | 0.9     | 3.1      | 3        | 33       | 0.1      |
| 11AN0544  | Alberta Creek | 632973 | 6987650 | 9326 | 0.4      | 27.0     | 5.9      | 56       | 0.05     | 18.3     | 12.9     | 456      | 3.06        | 5        | 0.9     | 2.4      | 2.8      | 31       | 0.1      |
| 11AN0543  | Alberta Creek | 632975 | 6987600 | 9325 | 0.5      | 37.3     | 4.6      | 62       | 0.05     | 13.7     | 15.1     | 377      | 3.73        | 3.3      | 0.8     | 1.5      | 2.6      | 43       | 0.1      |
| 11AN0542  | Alberta Creek | 632977 | 6987550 | 9324 | 0.7      | 40.8     | 5.1      | 72       | 0.20     | 14.0     | 21.8     | 621      | 3.89        | 2.7      | 0.9     | 2.6      | 1.7      | 39       | 0.1      |
| 11AN0541  | Alberta Creek | 632979 | 6987500 | 9323 | 1.3      | 48.2     | 8.0      | 71       | 0.20     | 13.4     | 12.2     | 228      | 3.36        | 3.8      | 0.9     | 2        | 2.5      | 32       | 0.1      |
| 11AN0540  | Alberta Creek | 632981 | 6987450 | 9322 | 1.9      | 42.6     | 7.6      | 71       | 0.10     | 12.7     | 12.4     | 339      | 3.55        | 4.7      | 0.6     | 2.1      | 2.3      | 29       | 0.049    |
| 11AN0539  | Alberta Creek | 632983 | 6987400 | 6647 | 1.1      | 17.4     | 9.9      | 54       | 0.05     | 11.6     | 7.5      | 371      | 2.69        | 6.5      | 0.4     | 0.249    | 2.3      | 20       | 0.1      |
| 11AN0538  | Alberta Creek | 632985 | 6987350 | 6646 | 0.0      | 2.6      | 3.4      | 10       | 0.05     | 2.2      | 2.4      | 36       | 1.67        | 0.8      | 1.1     | 3.1      | 6.1      | 9        | 0.049    |
| 11AN0537  | Alberta Creek | 632987 | 6987300 | 6645 | 0.8      | 14.2     | 9.5      | 86       | 0.10     | 15.3     | 13.1     | 842      | 3.2         | 6.4      | 0.4     | 0.7      | 2.1      | 35       | 0.1      |
| 11AN0536  | Alberta Creek | 632989 | 6987250 | 6644 | 0.4      | 22.6     | 5.6      | 90       | 0.05     | 11.7     | 14.3     | 528      | 3.87        | 3.6      | 0.3     | 0.249    | 1.2      | 47       | 0.049    |
| 11AN0535  | Alberta Creek | 632992 | 6987200 | 6643 | 1.1      | 23.7     | 9.0      | 72       | 0.05     | 19.3     | 10.9     | 333      | 3.49        | 8.9      | 0.5     | 1.1      | 3.1      | 16       | 0.049    |
| 11AN0534  | Alberta Creek | 632994 | 6987150 | 6642 | 0.7      | 17.6     | 8.5      | 68       | 0.05     | 24.3     | 12.5     | 461      | 3.3         | 4.5      | 0.5     | 6.5      | 2.8      | 25       | 0.049    |
| 11AN0533  | Alberta Creek | 632996 | 6987100 | 6641 | 0.8      | 16.3     | 8.1      | 73       | 0.05     | 15.9     | 10.3     | 470      | 3.47        | 5.7      | 0.5     | 7.6      | 4.1      | 21       | 0.049    |
| 11AN0532  | Alberta Creek | 632998 | 6987050 | 6640 | 0.8      | 20.6     | 6.8      | 68       | 0.05     | 15.4     | 11.5     | 406      | 3.59        | 6.4      | 0.5     | 0.8      | 3.9      | 14       | 0.049    |
| 11AN0531  | Alberta Creek | 633000 | 6987000 | 6639 | 0.4      | 21.3     | 4.3      | 87       | 0.05     | 11.8     | 16.6     | 681      | 3.45        | 3.1      | 0.4     | 0.6      | 2.5      | 17       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11AN0530  | Skookum West | 623941 | 6989586 | 6638 | 0.9      | 20.7     | 9.2      | 64       | 0.05     | 16.1     | 11.3     | 397      | 3.05        | 6.4      | 0.6     | 2.8      | 4.1      | 20       | 0.049    |
| 11AN0529  | Skookum West | 626956 | 6990122 | 6637 | 1.1      | 16.4     | 9.5      | 64       | 0.05     | 15.1     | 9.2      | 321      | 3.36        | 6.7      | 0.4     | 2        | 3        | 19       | 0.049    |
| 11AN0528  | Skookum West | 622826 | 6988969 | 6636 | 0.5      | 8.6      | 6.8      | 64       | 0.05     | 10.6     | 12.3     | 340      | 2.97        | 4.6      | 0.4     | 0.249    | 2.6      | 12       | 0.049    |
| 11AN0527  | Skookum West | 622829 | 6989023 | 6635 | 0.5      | 49.6     | 8.4      | 74       | 0.10     | 114.9    | 21       | 615      | 3.52        | 4        | 1.6     | 1.7      | 6.6      | 141      | 0.1      |
| 11AN0526  | Skookum West | 622827 | 6989069 | 6634 | 1.2      | 42.2     | 61.0     | 118      | 0.30     | 18.0     | 12.5     | 688      | 3.06        | 4        | 0.9     | 3.9      | 1.9      | 41       | 0.3      |
| 11AN0525  | Skookum West | 622820 | 6989107 | 6633 | 1.9      | 23.8     | 7.5      | 78       | 0.20     | 21.3     | 13       | 441      | 2.97        | 3.6      | 0.6     | 2.2      | 2.3      | 20       | 0.049    |
| 11AN0524  | Skookum West | 622818 | 6989166 | 6632 | 2.7      | 27.7     | 8.2      | 64       | 0.10     | 33.8     | 16.9     | 433      | 3.06        | 2.8      | 0.3     | 3        | 1.4      | 17       | 0.1      |
| 11AN0523  | Skookum West | 622817 | 6989218 | 6631 | 2.9      | 23.0     | 12.7     | 62       | 0.30     | 13.8     | 9.2      | 369      | 3.3         | 4.7      | 0.7     | 26.2     | 2.3      | 20       | 0.049    |
| 11AN0522  | Skookum West | 622820 | 6989269 | 6630 | 2.4      | 28.9     | 9.4      | 57       | 0.20     | 20.7     | 12.9     | 428      | 3.14        | 5.1      | 0.8     | 3.7      | 2.7      | 17       | 0.049    |
| 11AN0520  | Skookum West | 622818 | 6989319 | 6628 | 2.7      | 31.5     | 8.6      | 77       | 0.20     | 13.9     | 15.8     | 757      | 3.91        | 5.4      | 1       | 2.1      | 2        | 20       | 0.1      |
| 11AN0519  | Skookum West | 622816 | 6989369 | 6627 | 2.0      | 31.7     | 7.5      | 77       | 0.10     | 13.4     | 14.6     | 394      | 4.52        | 9.8      | 0.5     | 1.7      | 1.8      | 14       | 0.049    |
| 11AN0518  | Skookum West | 622812 | 6989413 | 6626 | 1.3      | 17.9     | 10.6     | 68       | 0.10     | 18.9     | 12       | 343      | 3.92        | 9.7      | 0.4     | 3.4      | 2.9      | 13       | 0.049    |
| 11AN0517  | Skookum West | 622813 | 6989464 | 6625 | 0.9      | 56.0     | 10.8     | 63       | 0.05     | 24.2     | 14.4     | 408      | 3.63        | 9        | 1       | 4.5      | 4.2      | 21       | 0.1      |
| 11AN0516  | Skookum West | 622816 | 6989518 | 6624 | 1.1      | 34.5     | 8.6      | 55       | 0.10     | 20.3     | 13.7     | 338      | 3.12        | 8.3      | 1.8     | 3.9      | 4.9      | 19       | 0.049    |
| 11AN0515  | Skookum West | 622807 | 6989569 | 6623 | 1.4      | 22.9     | 6.6      | 78       | 0.10     | 19.0     | 11.6     | 322      | 3.06        | 4.4      | 0.8     | 7.9      | 2.3      | 28       | 0.049    |
| 11AN0514  | Skookum West | 622805 | 6989619 | 6622 | 0.6      | 15.2     | 6.6      | 88       | 0.20     | 14.6     | 12.3     | 518      | 3.24        | 4.4      | 0.7     | 13.8     | 2.4      | 23       | 0.049    |
| 11AN0513  | Skookum West | 623912 | 6989685 | 6621 | 0.8      | 21.0     | 6.4      | 88       | 0.20     | 13.9     | 11.4     | 476      | 3.28        | 4.1      | 0.8     | 4.4      | 2.6      | 24       | 0.2      |
| 11AN0512  | Skookum West | 623862 | 6989683 | 6620 | 0.5      | 21.4     | 7.1      | 77       | 0.10     | 17.6     | 12.3     | 417      | 3.13        | 4.9      | 0.6     | 3.1      | 2.9      | 23       | 0.049    |
| 11AN0511  | Skookum West | 623812 | 6989681 | 6619 | 0.7      | 22.9     | 6.1      | 75       | 0.10     | 14.9     | 12       | 422      | 3.08        | 4.6      | 0.5     | 2.2      | 2.5      | 34       | 0.049    |
| 11AN0510  | Skookum West | 623762 | 6989679 | 6618 | 0.7      | 21.7     | 8.3      | 82       | 0.10     | 16.4     | 12.1     | 417      | 3.01        | 5        | 0.8     | 2.2      | 3.3      | 23       | 0.049    |
| 11AN0509  | Skookum West | 623712 | 6989677 | 6617 | 0.6      | 19.2     | 7.0      | 85       | 0.20     | 15.9     | 12.9     | 500      | 3.07        | 5.1      | 0.8     | 6.9      | 2.8      | 24       | 0.1      |
| 11AN0508  | Skookum West | 623662 | 6989675 | 6616 | 0.6      | 6.3      | 7.1      | 72       | 0.05     | 11.4     | 10.3     | 666      | 2.5         | 4.9      | 0.4     | 0.7      | 3.9      | 11       | 0.049    |
| 11AN0507  | Skookum West | 623612 | 6989673 | 6615 | 0.6      | 9.7      | 6.3      | 76       | 0.05     | 8.6      | 13.5     | 947      | 2.32        | 2.8      | 0.4     | 1.7      | 3.1      | 11       | 0.1      |
| 11AN0506  | Skookum West | 622907 | 6989545 | 6614 | 1.1      | 15.6     | 5.8      | 87       | 0.05     | 12.6     | 11.2     | 545      | 4.1         | 5.6      | 0.5     | 2.2      | 3.4      | 12       | 0.049    |
| 11AN0505  | Skookum West | 622928 | 6989540 | 6613 | 1.1      | 14.7     | 9.4      | 64       | 0.05     | 17.6     | 9.4      | 344      | 3.52        | 8.6      | 0.6     | 4.3      | 4.2      | 15       | 0.049    |
| 11AN0504  | Skookum West | 622958 | 6989544 | 6612 | 2.9      | 66.5     | 13.8     | 97       | 0.70     | 30.0     | 20.2     | 1574     | 5.56        | 12.5     | 3       | 12.7     | 7.5      | 40       | 0.3      |
| 11AN0503  | Skookum West | 622981 | 6989548 | 6611 | 1.0      | 9.0      | 10.6     | 48       | 0.05     | 7.1      | 5.6      | 285      | 2.35        | 5.2      | 0.4     | 4.4      | 2.3      | 14       | 0.049    |
| 11AN0502  | Skookum West | 622999 | 6989553 | 6610 | 1.5      | 15.8     | 8.5      | 72       | 0.05     | 16.1     | 10.7     | 416      | 3.63        | 7.6      | 0.5     | 2.2      | 3.5      | 14       | 0.049    |
| 11AN0501  | Skookum West | 623031 | 6989550 | 6609 | 1.4      | 13.4     | 8.8      | 52       | 0.05     | 8.5      | 5.9      | 239      | 3.32        | 7.4      | 0.4     | 1.1      | 2.2      | 10       | 0.049    |
| 11AN0500  | Skookum West | 623055 | 6989548 | 6608 | 1.7      | 14.0     | 14.1     | 60       | 0.05     | 12.1     | 6.8      | 287      | 3.94        | 8.8      | 0.4     | 1.9      | 2.2      | 11       | 0.049    |
| 11AN0498  | Skookum West | 623080 | 6989547 | 6606 | 1.1      | 13.5     | 8.1      | 57       | 0.05     | 12.5     | 7.4      | 338      | 3.32        | 7.2      | 0.5     | 0.7      | 1.6      | 10       | 0.2      |
| 11AN0497  | Skookum West | 623100 | 6989552 | 6605 | 0.9      | 16.0     | 9.1      | 73       | 0.05     | 14.9     | 10.9     | 473      | 3.45        | 6.5      | 0.6     | 1.6      | 3.6      | 16       | 0.049    |
| 11AN0496  | Skookum West | 623131 | 6989549 | 6604 | 0.7      | 15.1     | 7.4      | 85       | 0.05     | 12.8     | 10.9     | 595      | 3.2         | 4.8      | 0.7     | 67.5     | 4.1      | 15       | 0.049    |
| 11AN0495  | Skookum West | 623155 | 6989551 | 6603 | 0.5      | 12.7     | 5.8      | 84       | 0.05     | 11.2     | 8.8      | 463      | 2.81        | 4.6      | 0.8     | 2.9      | 3.2      | 13       | 0.049    |
| 11AN0494  | Skookum West | 623181 | 6989556 | 6602 | 0.6      | 12.5     | 6.5      | 78       | 0.05     | 11.1     | 9.7      | 514      | 3.28        | 4.8      | 0.6     | 1.3      | 3.3      | 13       | 0.049    |
| 11AN0493  | Skookum West | 623206 | 6989557 | 6601 | 0.6      | 16.8     | 5.9      | 87       | 0.05     | 17.9     | 12.5     | 626      | 3.52        | 4.7      | 0.7     | 3.7      | 3.5      | 14       | 0.049    |
| 11AN0492  | Skookum West | 623227 | 6989560 | 6600 | 0.7      | 15.2     | 6.2      | 72       | 0.05     | 9.8      | 7.1      | 394      | 2.89        | 4.7      | 0.5     | 3.6      | 2.2      | 10       | 0.2      |
| 11AN0491  | Skookum West | 623254 | 6989552 | 6599 | 0.9      | 21.8     | 8.4      | 74       | 0.10     | 12.4     | 8.4      | 428      | 3.44        | 5.6      | 0.5     | 1.8      | 2.5      | 11       | 0.1      |
| 11AN0490  | Skookum West | 623281 | 6989560 | 6598 | 0.6      | 33.2     | 9.3      | 91       | 0.20     | 18.6     | 14.4     | 972      | 3.75        | 6.5      | 1.1     | 2        | 3.3      | 21       | 0.049    |
| 11AN0489  | Skookum West | 623306 | 6989561 | 6597 | 0.7      | 17.5     | 6.7      | 84       | 0.05     | 13.2     | 9.9      | 461      | 3.06        | 5        | 0.7     | 2.7      | 2.7      | 16       | 0.049    |
| 11AN0488  | Skookum West | 623332 | 6989562 | 6596 | 0.9      | 20.4     | 7.5      | 92       | 0.05     | 15.5     | 12.7     | 626      | 3.51        | 5.1      | 0.8     | 4        | 3.4      | 16       | 0.1      |
| 11AN0487  | Skookum West | 623358 | 6989563 | 6595 | 0.7      | 7.6      | 5.4      | 63       | 0.05     | 6.2      | 5.7      | 313      | 2.02        | 3.3      | 0.4     | 3        | 1.3      | 8        | 0.049    |
| 11AN0486  | Skookum West | 623388 | 6989564 | 6594 | 0.6      | 9.7      | 5.4      | 89       | 0.05     | 12.7     | 10.7     | 552      | 2.54        | 3.4      | 0.8     | 3.5      | 2.5      | 14       | 0.049    |
| 11AN0485  | Skookum West | 623403 | 6989568 | 6593 | 0.8      | 18.0     | 7.1      | 90       | 0.05     | 19.0     | 11.5     | 566      | 3.14        | 6.4      | 1       | 4        | 2.9      | 17       | 0.1      |
| 11AN0484  | Skookum West | 622726 | 6988984 | 6592 | 0.6      | 14.9     | 4.9      | 74       | 0.20     | 11.5     | 9.6      | 385      | 2.31        | 2.6      | 0.8     | 3.5      | 0.7      | 20       | 0.2      |
| 11AN0483  | Skookum West | 623436 | 6989566 | 6591 | 0.7      | 11.4     | 5.9      | 85       | 0.05     | 12.1     | 10.2     | 668      | 2.7         | 3.9      | 0.5     | 2.3      | 2.3      | 13       | 0.049    |

| Sample No | Area         | E      | N       | ID   | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_1 | Ag_ppm_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 | Sr_ppm_1 | Cd_ppm_0 |
|-----------|--------------|--------|---------|------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|----------|----------|
| 11AN0482  | Skookum West | 623461 | 6989570 | 6590 | 0.7      | 20.5     | 5.1      | 77       | 0.05     | 12.9     | 12.5     | 461      | 3.06        | 3.7      | 0.6     | 2.5      | 2.8      | 16       | 0.049    |
| 11AN0480  | Skookum West | 623513 | 6989569 | 6588 | 0.9      | 29.9     | 9.4      | 68       | 0.40     | 27.8     | 13.2     | 380      | 2.8         | 3.3      | 0.8     | 4.7      | 1.4      | 45       | 0.1      |
| 11AN0479  | Skookum West | 623540 | 6989574 | 6587 | 1.0      | 18.2     | 12.1     | 67       | 0.20     | 15.5     | 8.5      | 252      | 2.26        | 2.5      | 0.6     | 5.6      | 1.1      | 22       | 0.1      |
| 11AN0478  | Skookum West | 624292 | 6989596 | 6586 | 1.6      | 16.7     | 8.7      | 74       | 0.05     | 17.6     | 13       | 411      | 3.25        | 4.8      | 0.4     | 6.4      | 3.1      | 16       | 0.049    |
| 11AN0477  | Skookum West | 624266 | 6989598 | 6585 | 2.1      | 13.7     | 10.9     | 66       | 0.20     | 13.0     | 8.6      | 193      | 2.75        | 4.4      | 0.6     | 7.9      | 1.4      | 19       | 0.049    |
| 11AN0476  | Skookum West | 624241 | 6989598 | 6584 | 1.7      | 25.1     | 12.8     | 95       | 0.20     | 21.2     | 15.1     | 348      | 3.87        | 3.8      | 0.8     | 5.4      | 2.7      | 34       | 0.1      |
| 11AN0475  | Skookum West | 624216 | 6989597 | 6583 | 2.5      | 24.3     | 8.7      | 95       | 0.30     | 13.0     | 20.5     | 1290     | 3.61        | 8.8      | 0.8     | 14.6     | 2.1      | 35       | 0.2      |
| 11AN0474  | Skookum West | 624191 | 6989596 | 6582 | 1.7      | 16.8     | 13.8     | 120      | 0.10     | 16.4     | 11.9     | 466      | 3.49        | 7        | 0.6     | 7        | 2.9      | 29       | 0.2      |
| 11AN0473  | Skookum West | 624166 | 6989595 | 6581 | 1.9      | 18.6     | 13.7     | 110      | 0.20     | 22.5     | 14.3     | 534      | 3.62        | 4.2      | 0.6     | 8.3      | 2.6      | 29       | 0.1      |
| 11AN0472  | Skookum West | 624141 | 6989594 | 6580 | 1.8      | 20.4     | 6.0      | 97       | 0.05     | 17.4     | 16.9     | 617      | 3.87        | 3.7      | 0.4     | 11.3     | 1.7      | 37       | 0.049    |
| 11AN0471  | Skookum West | 624116 | 6989593 | 6579 | 2.7      | 16.2     | 6.5      | 92       | 0.20     | 17.4     | 13.4     | 366      | 3.49        | 3.8      | 0.5     | 9        | 1.9      | 48       | 0.049    |
| 11AN0470  | Skookum West | 624091 | 6989592 | 6578 | 1.5      | 15.7     | 6.5      | 71       | 0.10     | 18.7     | 10.4     | 214      | 2.49        | 2.2      | 0.6     | 11.4     | 1.4      | 31       | 0.1      |
| 11AN0469  | Skookum West | 624067 | 6989588 | 6577 | 2.2      | 15.5     | 6.5      | 83       | 0.05     | 19.9     | 14.6     | 553      | 3.36        | 3.6      | 0.5     | 6.6      | 2.3      | 30       | 0.049    |
| 11AN0468  | Skookum West | 624047 | 6989589 | 6576 | 2.2      | 15.4     | 6.7      | 80       | 0.10     | 18.8     | 10.9     | 241      | 3.09        | 2.6      | 0.5     | 11.8     | 1.8      | 22       | 0.049    |
| 11AN0467  | Skookum West | 624020 | 6989595 | 6575 | 1.9      | 20.0     | 6.5      | 87       | 0.30     | 20.4     | 11.3     | 302      | 3.32        | 3.1      | 0.9     | 23.6     | 2.2      | 25       | 0.2      |
| 11AN0466  | Skookum West | 623485 | 6989565 | 6574 | 1.6      | 17.4     | 6.4      | 80       | 0.10     | 23.0     | 9.8      | 427      | 2.71        | 2.5      | 0.8     | 6.7      | 1.8      | 45       | 0.1      |
| 11AN0465  | Skookum West | 623998 | 6989589 | 6573 | 2.8      | 19.6     | 5.5      | 64       | 0.20     | 16.1     | 13.9     | 874      | 2.96        | 5.7      | 0.8     | 8.1      | 1.2      | 53       | 0.2      |
| 11AN0464  | Skookum West | 623966 | 6989587 | 6572 | 1.8      | 25.0     | 6.5      | 61       | 0.10     | 22.3     | 17.4     | 1017     | 2.66        | 3.2      | 0.6     | 8.9      | 1.2      | 32       | 0.1      |
| 11AN0463  | Skookum West | 623916 | 6989585 | 6571 | 1.2      | 27.0     | 6.5      | 77       | 0.20     | 23.1     | 15.5     | 468      | 3.08        | 3.4      | 0.5     | 114.7    | 1.5      | 24       | 0.1      |
| 11AN0462  | Skookum West | 623895 | 6989583 | 6570 | 0.5      | 17.7     | 4.8      | 91       | 0.10     | 35.9     | 15.5     | 720      | 3.42        | 2.7      | 0.6     | 3.1      | 2.1      | 26       | 0.1      |
| 11AN0461  | Skookum West | 623863 | 6989581 | 6569 | 0.6      | 17.0     | 5.2      | 87       | 0.10     | 13.5     | 12.9     | 606      | 3.16        | 2.9      | 0.6     | 12.6     | 2.3      | 20       | 0.1      |
| 11AN0460  | Skookum West | 623841 | 6989582 | 6568 | 0.6      | 17.6     | 5.0      | 93       | 0.10     | 13.7     | 13.1     | 621      | 3.45        | 3.1      | 0.6     | 11.8     | 2.4      | 21       | 0.1      |
| 11AN0458  | Skookum West | 623016 | 6989581 | 6566 | 0.9      | 21.2     | 5.8      | 83       | 0.10     | 15.5     | 10.8     | 491      | 3.45        | 3.6      | 0.7     | 4.8      | 2.3      | 22       | 0.049    |
| 11AN0457  | Skookum West | 623791 | 6989580 | 6565 | 1.3      | 22.7     | 5.1      | 83       | 0.20     | 13.9     | 10.8     | 497      | 3.3         | 3.6      | 0.8     | 8.8      | 2.5      | 21       | 0.049    |
| 11AN0456  | Skookum West | 623767 | 6989579 | 6564 | 0.5      | 26.0     | 3.8      | 71       | 0.05     | 11.5     | 13.5     | 470      | 3.32        | 2.6      | 0.4     | 5.2      | 1.4      | 20       | 0.049    |
| 11AN0454  | Skookum West | 623716 | 6989577 | 6563 | 0.5      | 26.2     | 4.8      | 81       | 0.05     | 15.6     | 14.4     | 427      | 3.29        | 3.8      | 0.5     | 18.6     | 2.4      | 20       | 0.049    |
| 11AN0453  | Skookum West | 623691 | 6989576 | 6562 | 0.4      | 20.9     | 4.4      | 87       | 0.05     | 17.3     | 16.2     | 463      | 3.47        | 3        | 0.5     | 4.6      | 2.4      | 20       | 0.049    |
| 11AN0452  | Skookum West | 623666 | 6989575 | 6561 | 0.6      | 20.6     | 4.8      | 90       | 0.05     | 12.5     | 12.8     | 370      | 3.21        | 3.5      | 0.4     | 2.4      | 2.3      | 14       | 0.049    |
| 11AN0451  | Skookum West | 623641 | 6989574 | 6560 | 0.5      | 14.4     | 4.1      | 78       | 0.05     | 11.8     | 14.5     | 419      | 3.11        | 2.9      | 0.4     | 2.7      | 1.8      | 15       | 0.049    |
| 11AN0450  | Skookum West | 623620 | 6989569 | 6559 | 0.6      | 20.0     | 4.3      | 84       | 0.05     | 11.5     | 14.9     | 448      | 2.84        | 2.3      | 0.6     | 4.6      | 1.9      | 16       | 0.049    |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11YM0277  | 0.049    | 0.049    | 31      | 10.09      | 0.051      | 4        | 61       | 6.56      | 90       | 0.064      | 0.49    | 1.19       | 0.009     | 0.06      | 0.049   | 0.0049   | 1.9      | 0.049    | 0.0249    | 3        |
| 11YM0276  | 0.3      | 0.1      | 74      | 0.64       | 0.017      | 9        | 29       | 0.77      | 190      | 0.081      | 0.49    | 1.72       | 0.014     | 0.08      | 0.1     | 0.0049   | 3.5      | 0.049    | 0.0249    | 6        |
| 11YM0275  | 0.049    | 0.049    | 75      | 1.48       | 0.097      | 11       | 23       | 4.96      | 142      | 0.237      | 0.49    | 2.35       | 0.011     | 0.68      | 0.049   | 0.0049   | 4.9      | 0.2      | 0.0249    | 10       |
| 11YM0274  | 0.2      | 0.1      | 67      | 1.01       | 0.028      | 12       | 27       | 2.46      | 192      | 0.148      | 1       | 2.2        | 0.021     | 0.07      | 0.049   | 0.02     | 4.8      | 0.1      | 0.0249    | 8        |
| 11YM0273  | 0.049    | 0.049    | 117     | 1.3        | 0.098      | 14       | 62       | 5.34      | 383      | 0.398      | 0.49    | 3.32       | 0.013     | 0.55      | 0.1     | 0.0049   | 10.1     | 0.1      | 0.0249    | 12       |
| 11YM0271  | 0.3      | 0.049    | 51      | 0.56       | 0.098      | 24       | 26       | 0.83      | 419      | 0.045      | 1       | 1.57       | 0.014     | 0.14      | 0.049   | 0.04     | 4.1      | 0.049    | 0.0249    | 6        |
| 11YM0270  | 0.4      | 0.049    | 53      | 1.5        | 0.088      | 24       | 30       | 0.93      | 467      | 0.056      | 2       | 1.66       | 0.016     | 0.11      | 0.1     | 0.04     | 4.1      | 0.049    | 0.0249    | 6        |
| 11YM0269  | 0.4      | 0.1      | 54      | 1.56       | 0.075      | 24       | 33       | 1         | 426      | 0.058      | 2       | 1.71       | 0.016     | 0.08      | 0.1     | 0.03     | 4.2      | 0.049    | 0.0249    | 6        |
| 11YM0268  | 4.2      | 0.049    | 59      | 0.69       | 0.154      | 26       | 13       | 0.47      | 324      | 0.041      | 2       | 1.36       | 0.011     | 0.18      | 0.4     | 0.02     | 6.5      | 0.1      | 0.0249    | 6        |
| 11YM0267  | 0.5      | 0.1      | 67      | 0.53       | 0.086      | 18       | 29       | 0.73      | 346      | 0.067      | 0.49    | 1.87       | 0.016     | 0.09      | 0.1     | 0.02     | 4.6      | 0.049    | 0.0249    | 7        |
| 11YM0266  | 0.6      | 0.049    | 53      | 0.51       | 0.103      | 16       | 18       | 0.56      | 254      | 0.034      | 0.49    | 1.66       | 0.01      | 0.08      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |
| 11YM0265  | 0.8      | 0.049    | 95      | 0.93       | 0.258      | 28       | 16       | 1.02      | 452      | 0.01       | 0.49    | 2.05       | 0.007     | 0.13      | 0.1     | 0.02     | 10.8     | 0.049    | 0.0249    | 9        |
| 11YM0264  | 0.4      | 0.1      | 54      | 0.33       | 0.066      | 8        | 18       | 0.55      | 269      | 0.023      | 0.49    | 1.68       | 0.008     | 0.09      | 0.049   | 0.0049   | 3.2      | 0.049    | 0.0249    | 7        |
| 11YM0263  | 0.3      | 0.1      | 54      | 0.39       | 0.05       | 6        | 18       | 0.55      | 266      | 0.021      | 0.49    | 1.77       | 0.01      | 0.09      | 0.1     | 0.0049   | 2.8      | 0.049    | 0.0249    | 7        |
| 11YM0262  | 0.4      | 0.1      | 67      | 0.24       | 0.044      | 12       | 23       | 0.89      | 214      | 0.045      | 0.49    | 1.85       | 0.01      | 0.09      | 0.1     | 0.0049   | 4.1      | 0.049    | 0.0249    | 7        |
| 11YM0261  | 0.2      | 0.049    | 70      | 0.16       | 0.037      | 27       | 33       | 1.08      | 217      | 0.03       | 0.49    | 2.08       | 0.006     | 0.08      | 0.049   | 0.0049   | 5.2      | 0.049    | 0.0249    | 9        |
| 11YM0260  | 0.3      | 0.1      | 72      | 0.16       | 0.036      | 21       | 38       | 1         | 252      | 0.034      | 0.49    | 2.12       | 0.006     | 0.08      | 0.049   | 0.0049   | 4.8      | 0.049    | 0.0249    | 9        |
| 11YM0259  | 0.3      | 0.049    | 73      | 0.18       | 0.036      | 25       | 34       | 1.09      | 232      | 0.033      | 0.49    | 2.19       | 0.008     | 0.08      | 0.049   | 0.0049   | 5.1      | 0.049    | 0.0249    | 9        |
| 11YM0258  | 0.4      | 0.1      | 73      | 0.15       | 0.032      | 18       | 41       | 0.96      | 265      | 0.036      | 0.49    | 2.23       | 0.006     | 0.07      | 0.1     | 0.0049   | 4.6      | 0.049    | 0.0249    | 9        |
| 11YM0257  | 0.5      | 0.1      | 51      | 3.97       | 0.048      | 12       | 23       | 3.19      | 264      | 0.084      | 2       | 2.03       | 0.016     | 0.06      | 0.049   | 0.03     | 4.3      | 0.049    | 0.0249    | 6        |
| 11YM0256  | 0.6      | 0.3      | 62      | 0.89       | 0.036      | 18       | 29       | 1.29      | 323      | 0.085      | 2       | 1.78       | 0.023     | 0.09      | 0.049   | 0.03     | 5        | 0.049    | 0.0249    | 5        |
| 11YM0255  | 0.049    | 0.049    | 44      | 1.56       | 0.062      | 7        | 22       | 5.03      | 310      | 0.181      | 0.49    | 3.18       | 0.032     | 0.97      | 0.049   | 0.0049   | 2.7      | 0.2      | 0.0249    | 7        |
| 11YM0254  | 0.2      | 0.1      | 58      | 3.35       | 0.055      | 11       | 27       | 2.91      | 253      | 0.119      | 2       | 2.25       | 0.023     | 0.12      | 0.049   | 0.03     | 4        | 0.1      | 0.0249    | 6        |
| 11YM0253  | 0.4      | 0.1      | 56      | 2.74       | 0.058      | 11       | 28       | 2.71      | 275      | 0.067      | 3       | 1.99       | 0.022     | 0.08      | 0.049   | 0.02     | 3.8      | 0.049    | 0.0249    | 5        |
| 11YM0252  | 0.4      | 0.2      | 57      | 2.61       | 0.049      | 13       | 30       | 2.78      | 261      | 0.057      | 2       | 1.76       | 0.018     | 0.06      | 0.1     | 0.03     | 4.3      | 0.049    | 0.0249    | 5        |
| 11YM0251  | 0.3      | 0.2      | 50      | 3.79       | 0.052      | 10       | 30       | 3.14      | 178      | 0.064      | 3       | 1.48       | 0.024     | 0.06      | 0.049   | 0.03     | 3.2      | 0.1      | 0.0249    | 4        |
| 11YM0250  | 0.2      | 0.2      | 61      | 0.51       | 0.026      | 10       | 71       | 1.3       | 224      | 0.079      | 2       | 2          | 0.015     | 0.04      | 0.1     | 0.0049   | 2.5      | 0.1      | 0.0249    | 6        |
| 11YM0249  | 0.049    | 0.2      | 17      | 13.6       | 0.039      | 3        | 29       | 8.69      | 48       | 0.022      | 1       | 0.57       | 0.005     | 0.01      | 0.049   | 0.0049   | 0.8      | 0.049    | 0.0249    | 1        |
| 11YM0248  | 0.2      | 0.1      | 39      | 3.98       | 0.071      | 12       | 40       | 3.82      | 254      | 0.086      | 2       | 1.74       | 0.016     | 0.1       | 0.049   | 0.03     | 3.5      | 0.1      | 0.0249    | 5        |
| 11YM0247  | 0.5      | 0.2      | 46      | 3.36       | 0.079      | 10       | 30       | 3.06      | 192      | 0.051      | 3       | 1.79       | 0.023     | 0.07      | 0.049   | 0.04     | 3.5      | 0.1      | 0.0249    | 6        |
| 11YM0246  | 0.2      | 0.049    | 27      | 8.6        | 0.054      | 7        | 19       | 4.73      | 101      | 0.032      | 2       | 1.2        | 0.014     | 0.04      | 0.049   | 0.02     | 2.5      | 0.049    | 0.0249    | 4        |
| 11YM0245  | 0.3      | 0.049    | 37      | 3.04       | 0.053      | 12       | 23       | 2.44      | 173      | 0.061      | 2       | 1.59       | 0.026     | 0.06      | 0.049   | 0.04     | 3.2      | 0.049    | 0.0249    | 5        |
| 11YM0244  | 0.1      | 0.049    | 12      | 8.45       | 0.041      | 5        | 16       | 4.92      | 85       | 0.019      | 1       | 0.79       | 0.008     | 0.02      | 0.049   | 0.02     | 1.5      | 0.049    | 0.0249    | 2        |
| 11YM0243  | 0.2      | 0.049    | 26      | 3.85       | 0.028      | 13       | 22       | 3.65      | 155      | 0.047      | 4       | 1.38       | 0.014     | 0.04      | 0.049   | 0.02     | 4        | 0.049    | 0.0249    | 4        |
| 11YM0242  | 0.4      | 0.049    | 80      | 0.41       | 0.028      | 8        | 21       | 1.15      | 372      | 0.197      | 1       | 2.05       | 0.016     | 0.52      | 0.049   | 0.0049   | 4.3      | 0.1      | 0.0249    | 8        |
| 11YM0241  | 0.049    | 0.049    | 12      | 11.97      | 0.036      | 4        | 29       | 5.89      | 35       | 0.034      | 1       | 1.01       | 0.007     | 0.02      | 0.049   | 0.01     | 1.3      | 0.049    | 0.0249    | 3        |
| 11YM0240  | 0.049    | 0.049    | 27      | 9.52       | 0.037      | 5        | 30       | 4.79      | 93       | 0.049      | 1       | 1.43       | 0.014     | 0.04      | 0.049   | 0.02     | 2.4      | 0.049    | 0.0249    | 5        |
| 11YM0239  | 0.1      | 0.049    | 30      | 5.37       | 0.053      | 8        | 28       | 4.91      | 97       | 0.048      | 2       | 1.55       | 0.018     | 0.05      | 0.049   | 0.02     | 2.7      | 0.2      | 0.0249    | 5        |
| 11YM0238  | 0.049    | 0.049    | 18      | 10.13      | 0.041      | 4        | 20       | 7.52      | 59       | 0.038      | 1       | 1.22       | 0.01      | 0.03      | 0.049   | 0.01     | 1.9      | 0.1      | 0.0249    | 4        |
| 11YM0237  | 0.5      | 0.049    | 78      | 1.06       | 0.202      | 18       | 19       | 1.05      | 220      | 0.058      | 1       | 2.07       | 0.023     | 0.11      | 0.1     | 0.03     | 6.6      | 0.049    | 0.0249    | 9        |
| 11YM0236  | 0.9      | 0.049    | 76      | 0.83       | 0.168      | 16       | 18       | 0.83      | 250      | 0.043      | 1       | 2          | 0.018     | 0.07      | 0.1     | 0.04     | 5.6      | 0.049    | 0.0249    | 8        |
| 11YM0235  | 0.7      | 0.049    | 66      | 0.67       | 0.108      | 17       | 22       | 0.66      | 228      | 0.047      | 1       | 1.84       | 0.017     | 0.06      | 0.1     | 0.03     | 5.5      | 0.049    | 0.0249    | 7        |
| 11YM0234  | 1.8      | 0.049    | 86      | 0.87       | 0.215      | 11       | 10       | 0.82      | 250      | 0.022      | 1       | 1.97       | 0.015     | 0.13      | 0.2     | 0.0049   | 7.7      | 0.049    | 0.0249    | 9        |
| 11YM0233  | 0.5      | 0.049    | 78      | 0.55       | 0.085      | 10       | 22       | 0.7       | 170      | 0.061      | 1       | 1.74       | 0.02      | 0.06      | 0.1     | 0.02     | 4.7      | 0.049    | 0.0249    | 8        |
| 11YM0232  | 1.1      | 0.049    | 68      | 0.53       | 0.086      | 30       | 25       | 0.67      | 232      | 0.038      | 1       | 1.97       | 0.014     | 0.05      | 0.2     | 0.03     | 7.3      | 0.049    | 0.0249    | 7        |
| 11YM0231  | 0.7      | 0.049    | 92      | 0.65       | 0.122      | 21       | 23       | 0.82      | 320      | 0.027      | 1       | 2.18       | 0.013     | 0.06      | 0.1     | 0.02     | 7.9      | 0.049    | 0.0249    | 9        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11YM0230  | 1.1      | 0.049    | 84      | 0.79       | 0.145      | 22       | 27       | 0.82      | 257      | 0.039      | 1       | 1.64       | 0.018     | 0.07      | 0.2     | 0.02     | 7.4      | 0.049    | 0.0249    | 7        |
| 11YM0229  | 0.3      | 0.049    | 42      | 4.59       | 0.096      | 6        | 28       | 3.07      | 248      | 0.066      | 2       | 1.93       | 0.019     | 0.05      | 0.049   | 0.01     | 3.5      | 0.049    | 0.0249    | 7        |
| 11YM0228  | 0.2      | 0.049    | 45      | 2.86       | 0.076      | 9        | 23       | 3.48      | 145      | 0.066      | 2       | 2.19       | 0.02      | 0.05      | 0.049   | 0.02     | 4.2      | 0.049    | 0.0249    | 7        |
| 11YM0227  | 0.2      | 0.1      | 55      | 1.26       | 0.049      | 14       | 28       | 1.77      | 211      | 0.055      | 2       | 1.92       | 0.021     | 0.04      | 0.049   | 0.04     | 3.9      | 0.049    | 0.0249    | 6        |
| 11YM0226  | 0.3      | 0.2      | 61      | 0.8        | 0.049      | 16       | 31       | 1.34      | 238      | 0.059      | 1       | 1.97       | 0.022     | 0.04      | 0.1     | 0.06     | 4.2      | 0.049    | 0.0249    | 6        |
| 11YM0225  | 0.2      | 0.1      | 58      | 0.88       | 0.047      | 15       | 29       | 1.42      | 230      | 0.057      | 2       | 1.89       | 0.02      | 0.04      | 0.1     | 0.04     | 4        | 0.049    | 0.0249    | 6        |
| 11YM0224  | 0.2      | 0.1      | 54      | 1.28       | 0.055      | 14       | 28       | 1.86      | 207      | 0.053      | 2       | 1.89       | 0.021     | 0.04      | 0.1     | 0.05     | 3.9      | 0.049    | 0.0249    | 5        |
| 11YM0223  | 1.4      | 0.049    | 76      | 0.98       | 0.133      | 26       | 20       | 0.7       | 355      | 0.031      | 2       | 1.68       | 0.012     | 0.08      | 0.2     | 0.06     | 7.5      | 0.049    | 0.06      | 7        |
| 11YM0222  | 0.3      | 0.049    | 73      | 1.13       | 0.176      | 15       | 15       | 0.97      | 299      | 0.061      | 2       | 1.89       | 0.014     | 0.08      | 0.049   | 0.02     | 5        | 0.049    | 0.0249    | 9        |
| 11YM0221  | 0.3      | 0.049    | 72      | 0.74       | 0.144      | 13       | 20       | 0.88      | 221      | 0.075      | 2       | 1.86       | 0.018     | 0.07      | 0.049   | 0.02     | 4.9      | 0.049    | 0.0249    | 7        |
| 11YM0220  | 0.3      | 0.049    | 82      | 0.8        | 0.173      | 10       | 15       | 0.98      | 185      | 0.045      | 2       | 1.97       | 0.013     | 0.08      | 0.1     | 0.0049   | 5.3      | 0.049    | 0.0249    | 9        |
| 11YM0219  | 0.3      | 0.049    | 77      | 0.58       | 0.184      | 11       | 12       | 0.79      | 250      | 0.009      | 1       | 2          | 0.007     | 0.09      | 0.049   | 0.01     | 6.8      | 0.049    | 0.0249    | 9        |
| 11YM0218  | 1.6      | 0.049    | 68      | 0.73       | 0.177      | 15       | 9        | 0.33      | 302      | 0.006      | 2       | 1.36       | 0.008     | 0.08      | 0.3     | 0.03     | 8.9      | 0.049    | 0.0249    | 7        |
| 11YM0217  | 0.4      | 0.049    | 71      | 1.03       | 0.196      | 12       | 11       | 1.07      | 280      | 0.014      | 2       | 1.9        | 0.009     | 0.11      | 0.1     | 0.01     | 6.1      | 0.049    | 0.0249    | 9        |
| 11YM0216  | 0.3      | 0.049    | 51      | 5.72       | 0.105      | 8        | 31       | 3.77      | 158      | 0.083      | 2       | 2.02       | 0.012     | 0.07      | 0.049   | 0.01     | 3.9      | 0.049    | 0.0249    | 7        |
| 11YM0215  | 0.2      | 0.049    | 52      | 3.42       | 0.097      | 8        | 21       | 2.54      | 110      | 0.078      | 2       | 1.78       | 0.018     | 0.04      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 6        |
| 11YM0214  | 0.5      | 0.2      | 64      | 1.91       | 0.075      | 12       | 32       | 1.91      | 210      | 0.066      | 2       | 1.94       | 0.022     | 0.07      | 0.1     | 0.04     | 5.7      | 0.1      | 0.0249    | 6        |
| 11YM0213  | 0.4      | 0.3      | 58      | 1.33       | 0.051      | 14       | 32       | 1.2       | 279      | 0.052      | 2       | 1.82       | 0.02      | 0.04      | 0.1     | 0.05     | 4.3      | 0.049    | 0.0249    | 5        |
| 11YM0212  | 0.2      | 0.049    | 74      | 0.48       | 0.031      | 9        | 25       | 1.09      | 291      | 0.071      | 0.49    | 2.01       | 0.014     | 0.06      | 0.049   | 0.01     | 3.8      | 0.049    | 0.0249    | 8        |
| 11YM0211  | 0.3      | 0.1      | 58      | 1.46       | 0.051      | 15       | 32       | 1.34      | 376      | 0.06       | 2       | 1.79       | 0.029     | 0.06      | 0.1     | 0.06     | 4.2      | 0.049    | 0.0249    | 5        |
| 11YM0210  | 0.2      | 0.049    | 37      | 5.36       | 0.039      | 8        | 26       | 4.17      | 234      | 0.047      | 0.49    | 1.32       | 0.018     | 0.05      | 0.049   | 0.04     | 2.5      | 0.049    | 0.0249    | 4        |
| 11YM0209  | 0.3      | 0.049    | 99      | 0.22       | 0.033      | 15       | 124      | 1.56      | 192      | 0.127      | 0.49    | 2.74       | 0.01      | 0.18      | 0.049   | 0.01     | 8.8      | 0.049    | 0.0249    | 9        |
| 11YM0208  | 0.4      | 0.049    | 106     | 0.24       | 0.037      | 15       | 133      | 1.63      | 188      | 0.134      | 0.49    | 2.96       | 0.01      | 0.18      | 0.049   | 0.01     | 8.5      | 0.049    | 0.0249    | 9        |
| 11YM0207  | 0.5      | 0.049    | 88      | 0.12       | 0.034      | 13       | 35       | 0.82      | 154      | 0.075      | 0.49    | 2.64       | 0.012     | 0.06      | 0.049   | 0.02     | 7.1      | 0.049    | 0.0249    | 9        |
| 11YM0206  | 0.049    | 0.049    | 55      | 0.65       | 0.011      | 0.49     | 9        | 2.43      | 51       | 0.067      | 0.49    | 1.37       | 0.007     | 0.02      | 0.049   | 0.0049   | 0.3      | 0.049    | 0.0249    | 4        |
| 11YM0205  | 0.1      | 0.049    | 98      | 1.09       | 0.118      | 8        | 14       | 2.9       | 177      | 0.118      | 0.49    | 2.06       | 0.037     | 0.08      | 0.049   | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |
| 11YM0204  | 0.4      | 0.049    | 95      | 0.66       | 0.084      | 12       | 144      | 0.75      | 234      | 0.074      | 0.49    | 1.36       | 0.019     | 0.06      | 0.049   | 0.03     | 7.4      | 0.049    | 0.0249    | 5        |
| 11YM0203  | 0.5      | 0.049    | 66      | 0.74       | 0.093      | 19       | 26       | 0.64      | 328      | 0.071      | 2       | 1.5        | 0.022     | 0.08      | 0.2     | 0.05     | 5.3      | 0.049    | 0.0249    | 5        |
| 11YM0202  | 0.3      | 0.049    | 87      | 0.94       | 0.139      | 24       | 23       | 1         | 478      | 0.07       | 2       | 2.15       | 0.019     | 0.11      | 0.1     | 0.05     | 7.2      | 0.049    | 0.0249    | 8        |
| 11YM0201  | 0.3      | 0.049    | 95      | 1.17       | 0.161      | 22       | 21       | 1.05      | 441      | 0.096      | 1       | 1.97       | 0.023     | 0.16      | 0.049   | 0.03     | 7.1      | 0.049    | 0.0249    | 8        |
| 11YM0200  | 0.3      | 0.049    | 88      | 1.01       | 0.199      | 18       | 19       | 1         | 288      | 0.069      | 1       | 2          | 0.018     | 0.14      | 0.049   | 0.02     | 5.5      | 0.049    | 0.0249    | 8        |
| 11YM0199  | 0.3      | 0.049    | 77      | 0.86       | 0.139      | 25       | 23       | 0.96      | 230      | 0.075      | 0.49    | 2.06       | 0.019     | 0.08      | 0.1     | 0.04     | 5.9      | 0.049    | 0.0249    | 8        |
| 11YM0198  | 0.4      | 0.049    | 89      | 0.88       | 0.139      | 14       | 21       | 1.05      | 208      | 0.069      | 1       | 2.16       | 0.017     | 0.08      | 0.1     | 0.04     | 5.6      | 0.049    | 0.0249    | 9        |
| 11YM0197  | 0.3      | 0.049    | 93      | 0.8        | 0.167      | 11       | 19       | 1.07      | 295      | 0.089      | 0.49    | 2.21       | 0.017     | 0.23      | 0.049   | 0.03     | 4.8      | 0.049    | 0.0249    | 9        |
| 11YM0196  | 0.3      | 0.049    | 78      | 0.92       | 0.186      | 11       | 14       | 1.05      | 283      | 0.046      | 1       | 2.21       | 0.013     | 0.1       | 0.049   | 0.02     | 4.3      | 0.049    | 0.0249    | 9        |
| 11YM0195  | 0.3      | 0.049    | 83      | 0.9        | 0.212      | 10       | 14       | 1.04      | 223      | 0.024      | 0.49    | 2.13       | 0.011     | 0.09      | 0.049   | 0.0049   | 5.5      | 0.049    | 0.0249    | 10       |
| 11YM0194  | 0.4      | 0.1      | 72      | 1.47       | 0.123      | 16       | 28       | 0.85      | 359      | 0.047      | 2       | 2          | 0.016     | 0.06      | 0.1     | 0.04     | 5.2      | 0.049    | 0.0249    | 8        |
| 11YM0193  | 0.4      | 0.049    | 84      | 0.98       | 0.215      | 19       | 19       | 1.56      | 306      | 0.035      | 0.49    | 2.36       | 0.015     | 0.12      | 0.1     | 0.03     | 5.8      | 0.049    | 0.0249    | 10       |
| 11YM0192  | 0.2      | 0.049    | 50      | 2.7        | 0.046      | 10       | 25       | 2.02      | 279      | 0.05       | 2       | 1.66       | 0.018     | 0.07      | 0.049   | 0.05     | 3.3      | 0.1      | 0.0249    | 5        |
| 11YM0191  | 0.1      | 0.049    | 53      | 6.24       | 0.088      | 6        | 17       | 3.14      | 123      | 0.062      | 1       | 1.86       | 0.014     | 0.04      | 0.049   | 0.01     | 4        | 0.049    | 0.0249    | 7        |
| 11YM0190  | 0.5      | 0.049    | 62      | 2.4        | 0.072      | 13       | 35       | 1.27      | 199      | 0.081      | 2       | 1.87       | 0.034     | 0.07      | 0.1     | 0.05     | 4.9      | 0.049    | 0.05      | 5        |
| 11YM0189  | 0.4      | 0.049    | 53      | 4.84       | 0.081      | 13       | 25       | 2.73      | 134      | 0.064      | 3       | 1.48       | 0.02      | 0.06      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 5        |
| 11YM0188  | 0.7      | 0.1      | 59      | 1.94       | 0.069      | 15       | 39       | 1.36      | 459      | 0.056      | 2       | 1.76       | 0.021     | 0.07      | 0.1     | 0.06     | 4.3      | 0.049    | 0.06      | 5        |
| 11YM0187  | 0.3      | 0.2      | 72      | 1.14       | 0.036      | 12       | 36       | 1.39      | 377      | 0.069      | 2       | 2.13       | 0.018     | 0.06      | 0.1     | 0.02     | 4        | 0.049    | 0.0249    | 6        |
| 11YM0186  | 0.2      | 0.049    | 52      | 7.27       | 0.057      | 12       | 36       | 4.32      | 326      | 0.051      | 2       | 1.5        | 0.014     | 0.05      | 0.049   | 0.05     | 3.1      | 0.049    | 0.0249    | 4        |
| 11YM0185  | 0.4      | 0.1      | 73      | 0.79       | 0.076      | 17       | 32       | 0.69      | 364      | 0.076      | 0.49    | 2          | 0.025     | 0.06      | 0.2     | 0.03     | 5.7      | 0.049    | 0.0249    | 6        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11YM0184  | 0.049    | 0.049    | 76      | 0.77       | 0.017      | 5        | 15       | 2.7       | 177      | 0.096      | 0.49    | 1.83       | 0.011     | 0.04      | 0.049   | 0.0049   | 1.5      | 0.1      | 0.0249    | 6        |
| 11YM0183  | 0.4      | 0.2      | 81      | 0.3        | 0.074      | 9        | 33       | 0.59      | 239      | 0.083      | 2       | 2.05       | 0.019     | 0.07      | 0.1     | 0.01     | 3.7      | 0.049    | 0.0249    | 7        |
| 11YM0182  | 0.1      | 0.049    | 103     | 0.76       | 0.197      | 16       | 17       | 1.07      | 118      | 0.121      | 0.49    | 2.66       | 0.022     | 0.08      | 0.049   | 0.0049   | 4.9      | 0.049    | 0.0249    | 11       |
| 11YM0181  | 0.4      | 0.1      | 82      | 0.39       | 0.046      | 14       | 31       | 0.57      | 177      | 0.085      | 0.49    | 2.39       | 0.026     | 0.07      | 0.1     | 0.02     | 5.5      | 0.049    | 0.0249    | 8        |
| 11YM0180  | 0.3      | 0.2      | 92      | 0.35       | 0.048      | 15       | 37       | 0.55      | 222      | 0.089      | 0.49    | 2.45       | 0.018     | 0.05      | 0.1     | 0.03     | 4        | 0.049    | 0.0249    | 8        |
| 11YM0179  | 0.049    | 0.049    | 95      | 1.31       | 0.199      | 11       | 14       | 0.53      | 128      | 0.082      | 0.49    | 2.24       | 0.059     | 0.11      | 0.049   | 0.02     | 4.7      | 0.049    | 0.0249    | 9        |
| 11YM0178  | 0.2      | 0.1      | 133     | 1.1        | 0.156      | 17       | 27       | 0.96      | 239      | 0.151      | 1       | 2.56       | 0.045     | 0.1       | 0.049   | 0.04     | 10.1     | 0.049    | 0.0249    | 9        |
| 11YM0177  | 0.3      | 0.2      | 91      | 0.6        | 0.071      | 11       | 27       | 0.62      | 230      | 0.062      | 1       | 1.97       | 0.02      | 0.07      | 0.049   | 0.02     | 4.4      | 0.049    | 0.0249    | 8        |
| 11YM0176  | 0.3      | 0.049    | 63      | 0.24       | 0.039      | 13       | 39       | 0.63      | 188      | 0.073      | 2       | 2.02       | 0.014     | 0.07      | 0.1     | 0.02     | 4.6      | 0.049    | 0.0249    | 6        |
| 11YM0175  | 0.2      | 0.049    | 60      | 0.1        | 0.065      | 15       | 17       | 0.79      | 158      | 0.195      | 1       | 2.15       | 0.021     | 0.61      | 0.049   | 0.02     | 9.3      | 0.2      | 0.0249    | 8        |
| 11YM0174  | 0.4      | 0.049    | 131     | 0.19       | 0.078      | 19       | 84       | 1.53      | 449      | 0.181      | 0.49    | 3.22       | 0.013     | 0.52      | 0.049   | 0.0049   | 16.7     | 0.2      | 0.0249    | 12       |
| 11YM0173  | 0.6      | 0.049    | 121     | 1.21       | 0.425      | 19       | 62       | 1.74      | 717      | 0.054      | 3       | 2.57       | 0.015     | 0.09      | 0.1     | 0.04     | 13.6     | 0.049    | 0.0249    | 9        |
| 11YM0172  | 0.1      | 0.049    | 161     | 1.52       | 0.232      | 16       | 12       | 0.79      | 260      | 0.131      | 0.49    | 2.58       | 0.087     | 0.13      | 0.049   | 0.0049   | 8.6      | 0.049    | 0.0249    | 11       |
| 11YM0171  | 0.5      | 0.2      | 75      | 0.17       | 0.056      | 11       | 34       | 0.49      | 140      | 0.068      | 2       | 2.51       | 0.021     | 0.06      | 0.1     | 0.03     | 3.8      | 0.049    | 0.0249    | 7        |
| 11YM0170  | 0.4      | 0.2      | 85      | 0.16       | 0.064      | 12       | 30       | 0.43      | 117      | 0.054      | 0.49    | 2.27       | 0.016     | 0.06      | 0.2     | 0.02     | 3.7      | 0.049    | 0.0249    | 8        |
| 11YM0169  | 0.2      | 0.049    | 63      | 0.52       | 0.107      | 12       | 23       | 0.6       | 125      | 0.055      | 0.49    | 1.5        | 0.026     | 0.06      | 0.049   | 0.01     | 3.3      | 0.049    | 0.0249    | 5        |
| 11YM0168  | 0.2      | 0.049    | 79      | 0.6        | 0.085      | 12       | 25       | 0.67      | 187      | 0.079      | 1       | 2.04       | 0.023     | 0.08      | 0.1     | 0.0049   | 3.4      | 0.049    | 0.0249    | 7        |
| 11YM0167  | 0.3      | 0.049    | 115     | 0.48       | 0.15       | 16       | 22       | 1.15      | 543      | 0.096      | 0.49    | 2.31       | 0.008     | 0.28      | 0.049   | 0.0049   | 9.2      | 0.1      | 0.0249    | 8        |
| 11YM0166  | 0.2      | 0.049    | 37      | 0.53       | 0.065      | 13       | 18       | 0.28      | 1528     | 0.012      | 2       | 1.32       | 0.01      | 0.15      | 0.2     | 0.03     | 5.9      | 0.049    | 0.0249    | 4        |
| 11YM0165  | 0.2      | 0.049    | 52      | 1.47       | 0.092      | 14       | 25       | 1.34      | 450      | 0.056      | 2       | 1.56       | 0.017     | 0.08      | 0.1     | 0.04     | 4.4      | 0.049    | 0.07      | 5        |
| 11YM0164  | 0.3      | 0.049    | 56      | 2.98       | 0.071      | 12       | 29       | 1.9       | 268      | 0.07       | 2       | 1.58       | 0.025     | 0.06      | 0.1     | 0.03     | 3.9      | 0.049    | 0.0249    | 5        |
| 11YM0163  | 0.3      | 0.049    | 54      | 1.86       | 0.077      | 12       | 30       | 1.08      | 287      | 0.055      | 2       | 1.55       | 0.023     | 0.05      | 0.049   | 0.05     | 3.3      | 0.049    | 0.07      | 5        |
| 11YM0162  | 0.5      | 0.049    | 47      | 2.38       | 0.091      | 10       | 25       | 1.1       | 244      | 0.059      | 3       | 1.44       | 0.023     | 0.04      | 0.1     | 0.05     | 2.8      | 0.049    | 0.08      | 4        |
| 11YM0161  | 0.5      | 0.1      | 52      | 1.31       | 0.086      | 10       | 30       | 0.6       | 224      | 0.059      | 2       | 1.4        | 0.024     | 0.04      | 0.2     | 0.04     | 3.3      | 0.049    | 0.07      | 4        |
| 11YM0160  | 0.3      | 0.049    | 80      | 2.11       | 0.201      | 10       | 59       | 1.85      | 301      | 0.122      | 3       | 1.99       | 0.033     | 0.06      | 0.1     | 0.03     | 4.6      | 0.049    | 0.09      | 8        |
| 11YM0159  | 0.4      | 0.1      | 79      | 1.52       | 0.116      | 13       | 43       | 1.57      | 347      | 0.083      | 3       | 2.03       | 0.023     | 0.05      | 0.2     | 0.05     | 5.6      | 0.049    | 0.0249    | 7        |
| 11YM0158  | 0.3      | 0.049    | 70      | 1.77       | 0.102      | 15       | 32       | 2.23      | 368      | 0.067      | 2       | 2.1        | 0.019     | 0.06      | 0.049   | 0.05     | 5.5      | 0.049    | 0.06      | 7        |
| 11YM0157  | 0.3      | 0.049    | 73      | 0.57       | 0.112      | 15       | 27       | 0.89      | 313      | 0.089      | 0.49    | 1.8        | 0.026     | 0.06      | 0.049   | 0.05     | 4.9      | 0.049    | 0.0249    | 6        |
| 11YM0156  | 0.2      | 0.049    | 70      | 0.53       | 0.114      | 15       | 30       | 1.04      | 455      | 0.093      | 2       | 1.98       | 0.019     | 0.08      | 0.2     | 0.05     | 4.8      | 0.049    | 0.0249    | 6        |
| 11YM0155  | 0.2      | 0.049    | 75      | 0.52       | 0.142      | 12       | 28       | 1.02      | 384      | 0.108      | 1       | 1.85       | 0.024     | 0.1       | 0.2     | 0.04     | 4.5      | 0.049    | 0.0249    | 6        |
| 11YM0154  | 0.2      | 0.049    | 77      | 0.4        | 0.125      | 10       | 30       | 1.14      | 289      | 0.147      | 1       | 1.97       | 0.017     | 0.22      | 0.049   | 0.04     | 3.9      | 0.1      | 0.06      | 7        |
| 11YM0153  | 0.2      | 0.049    | 65      | 0.46       | 0.151      | 9        | 23       | 0.87      | 273      | 0.121      | 0.49    | 1.67       | 0.024     | 0.21      | 0.049   | 0.04     | 3.7      | 0.049    | 0.0249    | 6        |
| 11YM0152  | 0.2      | 0.1      | 74      | 0.42       | 0.136      | 11       | 25       | 0.87      | 286      | 0.116      | 1       | 1.91       | 0.017     | 0.16      | 0.1     | 0.04     | 4.6      | 0.049    | 0.06      | 7        |
| 11YM0151  | 0.3      | 0.049    | 70      | 0.34       | 0.098      | 10       | 22       | 0.77      | 229      | 0.114      | 1       | 1.81       | 0.014     | 0.09      | 0.1     | 0.06     | 4.2      | 0.1      | 0.05      | 7        |
| 11YM0150  | 0.2      | 0.049    | 85      | 0.4        | 0.108      | 10       | 24       | 0.87      | 168      | 0.122      | 0.49    | 1.7        | 0.023     | 0.14      | 0.049   | 0.03     | 3.9      | 0.049    | 0.0249    | 6        |
| 11YM0149  | 0.2      | 0.1      | 58      | 0.41       | 0.091      | 10       | 24       | 0.66      | 224      | 0.08       | 0.49    | 1.63       | 0.021     | 0.07      | 0.1     | 0.05     | 3.4      | 0.049    | 0.06      | 6        |
| 11YM0148  | 0.2      | 0.049    | 69      | 0.59       | 0.114      | 8        | 26       | 0.89      | 290      | 0.134      | 0.49    | 1.82       | 0.027     | 0.24      | 0.049   | 0.05     | 4.1      | 0.049    | 0.07      | 7        |
| 11YM0147  | 0.2      | 0.1      | 55      | 0.58       | 0.062      | 8        | 27       | 0.77      | 248      | 0.087      | 0.49    | 1.68       | 0.015     | 0.07      | 0.049   | 0.04     | 3.4      | 0.049    | 0.0249    | 6        |
| 11YM0146  | 0.3      | 0.1      | 47      | 0.84       | 0.062      | 9        | 20       | 0.72      | 300      | 0.078      | 0.49    | 1.5        | 0.014     | 0.1       | 0.049   | 0.06     | 3.7      | 0.049    | 0.1       | 5        |
| 11YM0145  | 0.3      | 0.1      | 106     | 0.62       | 0.069      | 13       | 28       | 1.64      | 387      | 0.154      | 0.49    | 2.52       | 0.022     | 0.49      | 0.049   | 0.04     | 8.3      | 0.2      | 0.29      | 9        |
| 11YM0144  | 0.3      | 0.2      | 69      | 0.38       | 0.051      | 12       | 33       | 1.25      | 209      | 0.152      | 0.49    | 2.21       | 0.022     | 0.22      | 0.049   | 0.02     | 3.5      | 0.2      | 0.0249    | 7        |
| 11YM0143  | 0.5      | 0.3      | 69      | 0.14       | 0.045      | 14       | 32       | 0.56      | 201      | 0.086      | 0.49    | 2.44       | 0.009     | 0.12      | 0.1     | 0.04     | 3.3      | 0.2      | 0.0249    | 7        |
| 11YM0142  | 0.4      | 0.2      | 94      | 0.24       | 0.05       | 8        | 31       | 0.9       | 330      | 0.14       | 0.49    | 2.41       | 0.023     | 0.25      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 8        |
| 11YM0141  | 0.4      | 0.3      | 95      | 0.15       | 0.079      | 9        | 32       | 0.67      | 117      | 0.099      | 1       | 2.2        | 0.01      | 0.1       | 0.1     | 0.02     | 3.1      | 0.049    | 0.0249    | 8        |
| 11YM0140  | 0.2      | 0.1      | 69      | 0.68       | 0.084      | 10       | 26       | 0.85      | 239      | 0.096      | 0.49    | 1.52       | 0.018     | 0.25      | 0.1     | 0.03     | 5.8      | 0.1      | 0.07      | 6        |
| 11YM0139  | 0.3      | 0.1      | 76      | 0.74       | 0.087      | 11       | 27       | 0.96      | 258      | 0.109      | 1       | 1.72       | 0.019     | 0.25      | 0.1     | 0.03     | 7        | 0.1      | 0.06      | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11YM0138  | 0.3      | 0.1      | 65      | 0.9        | 0.095      | 11       | 33       | 0.89      | 281      | 0.067      | 1       | 1.53       | 0.017     | 0.12      | 0.1     | 0.06     | 6.5      | 0.049    | 0.08      | 5        |
| 11YM0137  | 0.2      | 0.049    | 80      | 0.62       | 0.083      | 11       | 59       | 1.21      | 261      | 0.068      | 0.49    | 2.02       | 0.019     | 0.07      | 0.1     | 0.05     | 6.7      | 0.049    | 0.07      | 7        |
| 11YM0136  | 0.3      | 0.049    | 72      | 0.29       | 0.066      | 18       | 14       | 0.69      | 265      | 0.082      | 0.49    | 1.43       | 0.018     | 0.37      | 0.049   | 0.02     | 4.6      | 0.2      | 0.13      | 5        |
| 11YM0135  | 0.1      | 0.049    | 54      | 0.27       | 0.05       | 13       | 27       | 1.08      | 159      | 0.097      | 0.49    | 1.61       | 0.011     | 0.28      | 0.049   | 0.0049   | 4        | 0.2      | 0.0249    | 5        |
| 11YM0134  | 0.3      | 0.049    | 72      | 0.51       | 0.081      | 23       | 69       | 1.37      | 357      | 0.072      | 0.49    | 2.33       | 0.02      | 0.2       | 0.049   | 0.02     | 8.3      | 0.049    | 0.0249    | 7        |
| 11YM0133  | 0.2      | 0.049    | 57      | 0.37       | 0.057      | 9        | 29       | 1.12      | 221      | 0.2        | 0.49    | 1.93       | 0.014     | 0.74      | 0.049   | 0.0049   | 3.3      | 0.3      | 0.0249    | 7        |
| 11YM0132  | 0.2      | 0.049    | 54      | 0.44       | 0.089      | 6        | 26       | 1.06      | 221      | 0.164      | 2       | 1.85       | 0.008     | 0.7       | 0.1     | 0.0049   | 2.1      | 0.3      | 0.0249    | 6        |
| 11YM0131  | 0.3      | 0.049    | 67      | 0.44       | 0.06       | 5        | 31       | 0.85      | 262      | 0.087      | 1       | 1.86       | 0.012     | 0.35      | 0.1     | 0.01     | 3.6      | 0.1      | 0.0249    | 6        |
| 11YM0130  | 0.2      | 0.049    | 59      | 0.41       | 0.061      | 5        | 31       | 0.81      | 169      | 0.119      | 0.49    | 1.59       | 0.014     | 0.32      | 0.049   | 0.0049   | 3.3      | 0.1      | 0.0249    | 5        |
| 11YM0129  | 0.049    | 0.049    | 44      | 0.19       | 0.044      | 9        | 31       | 0.99      | 146      | 0.245      | 0.49    | 1.77       | 0.009     | 0.99      | 0.1     | 0.0049   | 1.7      | 0.4      | 0.0249    | 7        |
| 11YM0128  | 0.2      | 0.049    | 47      | 0.23       | 0.039      | 4        | 17       | 0.6       | 199      | 0.114      | 0.49    | 1.63       | 0.009     | 0.2       | 0.1     | 0.01     | 1.4      | 0.1      | 0.0249    | 6        |
| 11YM0127  | 0.4      | 0.1      | 67      | 0.43       | 0.045      | 11       | 33       | 0.9       | 265      | 0.167      | 0.49    | 1.97       | 0.015     | 0.19      | 0.1     | 0.02     | 3.2      | 0.1      | 0.0249    | 6        |
| 11YM0126  | 0.1      | 0.049    | 73      | 0.26       | 0.03       | 6        | 43       | 1.25      | 248      | 0.27       | 0.49    | 2.35       | 0.01      | 1         | 0.1     | 0.0049   | 4.9      | 0.5      | 0.0249    | 9        |
| 11YM0125  | 0.2      | 0.049    | 20      | 0.27       | 0.055      | 13       | 6        | 0.34      | 832      | 0.026      | 0.49    | 1.08       | 0.006     | 0.21      | 0.049   | 0.0049   | 1.7      | 0.049    | 0.0249    | 4        |
| 11YM0124  | 0.3      | 0.1      | 58      | 0.24       | 0.028      | 9        | 27       | 0.65      | 252      | 0.172      | 0.49    | 1.75       | 0.015     | 0.24      | 0.1     | 0.01     | 2.1      | 0.2      | 0.0249    | 6        |
| 11YM0123  | 0.3      | 0.1      | 81      | 0.19       | 0.03       | 8        | 18       | 0.87      | 191      | 0.214      | 0.49    | 2.13       | 0.01      | 0.58      | 0.1     | 0.0049   | 3.5      | 0.3      | 0.0249    | 6        |
| 11YM0122  | 0.3      | 0.1      | 52      | 0.21       | 0.03       | 8        | 22       | 0.6       | 171      | 0.127      | 1       | 1.69       | 0.01      | 0.25      | 0.1     | 0.01     | 2.1      | 0.2      | 0.0249    | 5        |
| 11YM0121  | 0.4      | 0.1      | 60      | 0.22       | 0.028      | 14       | 27       | 0.51      | 233      | 0.126      | 0.49    | 1.59       | 0.013     | 0.17      | 0.1     | 0.02     | 2.5      | 0.1      | 0.0249    | 6        |
| 11YM0120  | 0.3      | 0.2      | 61      | 0.36       | 0.066      | 22       | 29       | 0.63      | 316      | 0.145      | 2       | 1.85       | 0.02      | 0.26      | 0.1     | 0.03     | 3.8      | 0.2      | 0.0249    | 6        |
| 11YM0119  | 0.2      | 0.049    | 61      | 0.51       | 0.078      | 11       | 32       | 1.03      | 221      | 0.21       | 1       | 1.86       | 0.015     | 0.43      | 0.2     | 0.01     | 2.8      | 0.3      | 0.0249    | 5        |
| 11YM0118  | 0.2      | 0.1      | 65      | 0.52       | 0.082      | 15       | 33       | 1.05      | 333      | 0.084      | 1       | 2.01       | 0.016     | 0.14      | 0.1     | 0.04     | 6.5      | 0.1      | 0.05      | 8        |
| 11YM0117  | 0.2      | 0.1      | 64      | 0.49       | 0.081      | 14       | 31       | 1.02      | 323      | 0.071      | 1       | 1.91       | 0.014     | 0.13      | 0.1     | 0.03     | 5.9      | 0.1      | 0.0249    | 7        |
| 11YM0116  | 0.2      | 0.049    | 41      | 0.34       | 0.062      | 12       | 20       | 1.02      | 220      | 0.081      | 1       | 1.78       | 0.014     | 0.11      | 0.1     | 0.04     | 5.3      | 0.1      | 0.0249    | 7        |
| 11YM0115  | 0.1      | 0.049    | 47      | 0.39       | 0.071      | 12       | 18       | 0.74      | 216      | 0.066      | 0.49    | 1.49       | 0.011     | 0.07      | 0.049   | 0.04     | 4.5      | 0.1      | 0.0249    | 6        |
| 11YM0114  | 0.1      | 0.1      | 53      | 0.42       | 0.075      | 10       | 20       | 0.66      | 212      | 0.078      | 0.49    | 1.35       | 0.014     | 0.08      | 0.049   | 0.03     | 3.9      | 0.1      | 0.0249    | 6        |
| 11YM0113  | 0.2      | 0.1      | 68      | 0.84       | 0.128      | 19       | 29       | 0.91      | 430      | 0.095      | 2       | 1.56       | 0.016     | 0.14      | 0.2     | 0.04     | 5.9      | 0.2      | 0.06      | 6        |
| 11YM0112  | 0.2      | 0.049    | 61      | 0.34       | 0.039      | 6        | 21       | 0.91      | 228      | 0.201      | 0.49    | 1.68       | 0.01      | 0.61      | 0.1     | 0.01     | 2.6      | 0.3      | 0.0249    | 5        |
| 11YM0111  | 0.2      | 0.049    | 57      | 0.37       | 0.052      | 5        | 24       | 0.85      | 190      | 0.158      | 0.49    | 1.5        | 0.009     | 0.54      | 0.1     | 0.0049   | 3.5      | 0.3      | 0.0249    | 5        |
| 11YM0110  | 0.2      | 0.049    | 49      | 0.32       | 0.063      | 4        | 13       | 1.02      | 179      | 0.219      | 0.49    | 1.8        | 0.007     | 0.8       | 0.1     | 0.0049   | 2.2      | 0.4      | 0.0249    | 5        |
| 11YM0109  | 0.2      | 0.049    | 64      | 0.28       | 0.025      | 4        | 21       | 1.08      | 181      | 0.226      | 0.49    | 1.88       | 0.01      | 0.67      | 0.1     | 0.0049   | 1.9      | 0.3      | 0.0249    | 4        |
| 11YM0108  | 0.2      | 0.049    | 113     | 0.43       | 0.031      | 3        | 24       | 1.43      | 201      | 0.29       | 0.49    | 2.52       | 0.023     | 0.9       | 0.1     | 0.0049   | 4.6      | 0.2      | 0.0249    | 7        |
| 11YM0107  | 0.3      | 0.1      | 80      | 0.51       | 0.025      | 9        | 27       | 0.93      | 298      | 0.173      | 1       | 1.95       | 0.021     | 0.32      | 0.1     | 0.03     | 4.3      | 0.1      | 0.0249    | 5        |
| 11YM0106  | 0.2      | 0.049    | 140     | 0.4        | 0.022      | 4        | 22       | 1.46      | 240      | 0.263      | 0.49    | 2.61       | 0.025     | 0.68      | 0.049   | 0.01     | 6.1      | 0.3      | 0.0249    | 8        |
| 11YM0105  | 0.3      | 0.1      | 71      | 0.29       | 0.019      | 7        | 22       | 0.82      | 234      | 0.186      | 0.49    | 1.87       | 0.013     | 0.4       | 0.1     | 0.02     | 3        | 0.2      | 0.0249    | 6        |
| 11YM0104  | 0.2      | 0.049    | 69      | 0.47       | 0.034      | 7        | 27       | 1.48      | 351      | 0.295      | 0.49    | 2.52       | 0.012     | 0.75      | 0.1     | 0.0049   | 2.2      | 0.4      | 0.0249    | 5        |
| 11YM0103  | 0.2      | 0.049    | 58      | 0.5        | 0.084      | 12       | 19       | 0.95      | 361      | 0.167      | 0.49    | 2.13       | 0.01      | 0.54      | 0.1     | 0.03     | 4        | 0.2      | 0.0249    | 6        |
| 11YM0102  | 0.2      | 0.049    | 58      | 0.47       | 0.088      | 6        | 18       | 0.94      | 237      | 0.217      | 2       | 2.21       | 0.01      | 0.63      | 0.2     | 0.01     | 3.9      | 0.2      | 0.0249    | 7        |
| 11YM0101  | 0.3      | 0.049    | 71      | 0.31       | 0.026      | 5        | 24       | 0.89      | 196      | 0.181      | 0.49    | 2.16       | 0.015     | 0.35      | 0.1     | 0.0049   | 2.3      | 0.2      | 0.0249    | 5        |
| 11YM0100  | 0.2      | 0.1      | 41      | 0.19       | 0.034      | 7        | 16       | 0.46      | 169      | 0.086      | 0.49    | 1.59       | 0.014     | 0.16      | 0.049   | 0.01     | 1.5      | 0.1      | 0.0249    | 4        |
| 11YM0099  | 0.2      | 0.049    | 66      | 0.38       | 0.049      | 4        | 19       | 0.99      | 296      | 0.241      | 2       | 2.06       | 0.013     | 0.63      | 0.1     | 0.0049   | 1.4      | 0.3      | 0.0249    | 5        |
| 11YM0098  | 0.2      | 0.049    | 86      | 0.45       | 0.047      | 5        | 25       | 1.41      | 330      | 0.263      | 0.49    | 2.38       | 0.012     | 0.63      | 0.1     | 0.01     | 2.1      | 0.3      | 0.0249    | 6        |
| 11YM0097  | 0.4      | 0.1      | 71      | 0.35       | 0.042      | 10       | 30       | 0.86      | 277      | 0.174      | 0.49    | 1.97       | 0.016     | 0.23      | 0.1     | 0.02     | 3.1      | 0.2      | 0.0249    | 5        |
| 11YM0096  | 0.2      | 0.049    | 71      | 0.35       | 0.04       | 7        | 21       | 0.85      | 233      | 0.205      | 0.49    | 1.79       | 0.013     | 0.37      | 0.1     | 0.01     | 2.2      | 0.2      | 0.0249    | 5        |
| 11YM0095  | 0.1      | 0.049    | 71      | 0.41       | 0.04       | 5        | 18       | 0.97      | 220      | 0.202      | 0.49    | 1.75       | 0.011     | 0.4       | 0.1     | 0.01     | 1.8      | 0.2      | 0.0249    | 5        |
| 11YM0094  | 0.2      | 0.1      | 75      | 0.23       | 0.083      | 11       | 26       | 1.17      | 291      | 0.143      | 1       | 2.14       | 0.011     | 0.19      | 0.049   | 0.03     | 7.8      | 0.1      | 0.0249    | 10       |
| 11YM0093  | 0.3      | 0.1      | 84      | 0.21       | 0.058      | 10       | 30       | 0.8       | 178      | 0.13       | 2       | 2.09       | 0.012     | 0.15      | 0.1     | 0.03     | 4.2      | 0.1      | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca_0_01 | P_0_001 | La_ppm_1 | Cr_ppm_1 | Mg_0_0 | Ba_ppm_1 | Ti_0_00 | B_ppm_1 | Al_0_01 | Na_0_00 | K_0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S_0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|---------|---------|----------|----------|--------|----------|---------|---------|---------|---------|--------|---------|----------|----------|----------|--------|----------|
| 11YM0092  | 0.2      | 0.049    | 102     | 0.27    | 0.11    | 10       | 22       | 1.34   | 213      | 0.154   | 0.49    | 2.25    | 0.015   | 0.37   | 0.1     | 0.01     | 6.5      | 0.2      | 0.0249 | 9        |
| 11YM0091  | 0.4      | 0.049    | 88      | 0.17    | 0.039   | 9        | 26       | 0.86   | 265      | 0.206   | 2       | 2.56    | 0.015   | 0.38   | 0.049   | 0.02     | 4        | 0.2      | 0.06   | 7        |
| 11YM0090  | 0.2      | 0.049    | 83      | 0.22    | 0.04    | 8        | 14       | 0.91   | 287      | 0.254   | 1       | 2.22    | 0.018   | 0.75   | 0.1     | 0.0049   | 4.8      | 0.4      | 0.0249 | 7        |
| 11YM0089  | 0.3      | 0.049    | 64      | 0.19    | 0.041   | 12       | 21       | 0.58   | 226      | 0.138   | 0.49    | 1.77    | 0.01    | 0.33   | 0.1     | 0.0049   | 5        | 0.2      | 0.0249 | 6        |
| 11YM0088  | 0.1      | 0.049    | 88      | 0.17    | 0.034   | 6        | 8        | 1.26   | 213      | 0.312   | 2       | 2.5     | 0.013   | 1.08   | 0.1     | 0.0049   | 2.6      | 0.5      | 0.0249 | 6        |
| 11YM0087  | 0.2      | 0.049    | 77      | 0.32    | 0.059   | 9        | 19       | 1.06   | 282      | 0.249   | 1       | 2.05    | 0.013   | 0.69   | 0.2     | 0.0049   | 3.4      | 0.3      | 0.0249 | 6        |
| 11YM0086  | 0.2      | 0.049    | 88      | 0.38    | 0.052   | 6        | 23       | 1.73   | 287      | 0.277   | 2       | 2.49    | 0.017   | 0.94   | 0.1     | 0.01     | 3.8      | 0.2      | 0.0249 | 7        |
| 11YM0085  | 0.2      | 0.049    | 79      | 0.61    | 0.065   | 6        | 24       | 1.55   | 260      | 0.234   | 2       | 2.35    | 0.031   | 0.55   | 0.1     | 0.01     | 4.4      | 0.2      | 0.0249 | 6        |
| 11YM0084  | 0.2      | 0.049    | 79      | 0.26    | 0.047   | 6        | 18       | 1.1    | 285      | 0.257   | 2       | 2.14    | 0.013   | 0.93   | 0.1     | 0.01     | 2.6      | 0.3      | 0.0249 | 6        |
| 11YM0083  | 0.4      | 0.1      | 67      | 0.38    | 0.033   | 10       | 28       | 0.77   | 262      | 0.17    | 3       | 1.76    | 0.013   | 0.4    | 0.1     | 0.01     | 3.6      | 0.1      | 0.0249 | 5        |
| 11YM0082  | 0.4      | 0.049    | 76      | 0.3     | 0.035   | 8        | 25       | 0.95   | 230      | 0.185   | 2       | 2.11    | 0.015   | 0.4    | 0.1     | 0.02     | 2.9      | 0.2      | 0.0249 | 5        |
| 11YM0081  | 0.3      | 0.1      | 75      | 0.43    | 0.028   | 10       | 23       | 0.87   | 283      | 0.206   | 3       | 1.94    | 0.015   | 0.46   | 0.1     | 0.02     | 3.3      | 0.2      | 0.0249 | 5        |
| 11YM0080  | 0.3      | 0.049    | 71      | 0.83    | 0.138   | 8        | 23       | 1.04   | 450      | 0.203   | 3       | 2.12    | 0.013   | 0.73   | 0.1     | 0.02     | 2.9      | 0.2      | 0.0249 | 7        |
| 11YM0079  | 0.3      | 0.049    | 75      | 0.63    | 0.099   | 7        | 18       | 1.19   | 508      | 0.236   | 2       | 2.08    | 0.014   | 0.89   | 0.049   | 0.02     | 2.9      | 0.2      | 0.0249 | 6        |
| 11YM0078  | 0.3      | 0.049    | 64      | 0.7     | 0.054   | 11       | 23       | 0.84   | 426      | 0.163   | 0.49    | 1.82    | 0.019   | 0.49   | 0.049   | 0.02     | 3.9      | 0.2      | 0.0249 | 6        |
| 11YM0077  | 0.1      | 0.049    | 68      | 0.58    | 0.106   | 15       | 48       | 1.2    | 358      | 0.178   | 0.49    | 1.85    | 0.02    | 0.26   | 0.1     | 0.03     | 3.8      | 0.2      | 0.0249 | 7        |
| 11YM0076  | 0.1      | 0.049    | 54      | 0.36    | 0.063   | 10       | 34       | 0.84   | 223      | 0.169   | 0.49    | 1.51    | 0.015   | 0.28   | 0.1     | 0.03     | 2.9      | 0.2      | 0.0249 | 6        |
| 11YM0075  | 0.1      | 0.049    | 57      | 0.35    | 0.057   | 10       | 31       | 0.76   | 256      | 0.16    | 0.49    | 1.54    | 0.014   | 0.17   | 0.049   | 0.02     | 2.7      | 0.1      | 0.0249 | 6        |
| 11YM0074  | 0.049    | 0.049    | 57      | 0.37    | 0.071   | 6        | 26       | 0.8    | 187      | 0.154   | 0.49    | 1.41    | 0.014   | 0.33   | 0.049   | 0.0049   | 2.2      | 0.2      | 0.0249 | 5        |
| 11YM0073  | 0.1      | 0.049    | 65      | 0.4     | 0.082   | 7        | 34       | 0.94   | 190      | 0.156   | 0.49    | 1.56    | 0.016   | 0.32   | 0.049   | 0.01     | 2.5      | 0.2      | 0.0249 | 5        |
| 11YM0072  | 0.2      | 0.1      | 71      | 0.69    | 0.082   | 21       | 27       | 0.87   | 284      | 0.104   | 0.49    | 1.73    | 0.012   | 0.23   | 0.1     | 0.04     | 6.8      | 0.2      | 0.0249 | 6        |
| 11YM0071  | 0.3      | 0.3      | 77      | 0.93    | 0.112   | 26       | 30       | 0.92   | 415      | 0.084   | 0.49    | 1.71    | 0.015   | 0.14   | 0.049   | 0.04     | 7.4      | 0.2      | 0.0249 | 6        |
| 11YM0070  | 0.2      | 0.1      | 81      | 0.66    | 0.103   | 19       | 24       | 0.96   | 346      | 0.112   | 0.49    | 1.75    | 0.016   | 0.15   | 0.049   | 0.04     | 7.8      | 0.2      | 0.0249 | 6        |
| 11YM0069  | 0.2      | 0.1      | 75      | 0.51    | 0.108   | 15       | 22       | 0.83   | 247      | 0.117   | 0.49    | 1.69    | 0.015   | 0.16   | 0.2     | 0.03     | 5.3      | 0.1      | 0.0249 | 6        |
| 11YM0068  | 0.2      | 0.1      | 60      | 0.36    | 0.074   | 10       | 19       | 0.72   | 202      | 0.119   | 0.49    | 1.69    | 0.011   | 0.22   | 0.1     | 0.01     | 3.4      | 0.1      | 0.0249 | 8        |
| 11YM0067  | 0.2      | 0.2      | 59      | 0.24    | 0.033   | 10       | 21       | 0.48   | 139      | 0.084   | 0.49    | 1.51    | 0.011   | 0.08   | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249 | 7        |
| 11YM0066  | 0.1      | 0.049    | 111     | 0.55    | 0.166   | 12       | 17       | 2.2    | 318      | 0.126   | 0.49    | 2.55    | 0.011   | 0.32   | 0.049   | 0.0049   | 13.1     | 0.1      | 0.0249 | 12       |
| 11YM0065  | 0.3      | 0.1      | 80      | 0.26    | 0.036   | 12       | 29       | 0.93   | 309      | 0.115   | 0.49    | 2.02    | 0.017   | 0.16   | 0.1     | 0.01     | 4.9      | 0.1      | 0.0249 | 7        |
| 11YM0064  | 0.2      | 0.049    | 102     | 0.64    | 0.148   | 20       | 23       | 1.47   | 357      | 0.092   | 1       | 2.16    | 0.014   | 0.6    | 0.049   | 0.01     | 9.2      | 0.1      | 0.0249 | 10       |
| 11YM0063  | 0.3      | 0.2      | 85      | 0.51    | 0.086   | 15       | 29       | 0.92   | 327      | 0.118   | 0.49    | 1.96    | 0.015   | 0.12   | 0.1     | 0.02     | 6        | 0.1      | 0.0249 | 7        |
| 11YM0062  | 0.2      | 0.1      | 63      | 0.52    | 0.067   | 15       | 27       | 0.77   | 314      | 0.119   | 0.49    | 1.82    | 0.015   | 0.25   | 0.1     | 0.05     | 5.1      | 0.1      | 0.0249 | 6        |
| 11YM0061  | 0.2      | 0.1      | 65      | 0.35    | 0.056   | 11       | 28       | 0.76   | 277      | 0.124   | 0.49    | 1.8     | 0.013   | 0.14   | 0.049   | 0.04     | 3.8      | 0.1      | 0.0249 | 6        |
| 11YM0060  | 0.2      | 0.049    | 53      | 0.54    | 0.066   | 15       | 24       | 0.64   | 263      | 0.093   | 0.49    | 1.58    | 0.014   | 0.16   | 0.1     | 0.06     | 4.8      | 0.1      | 0.0249 | 6        |
| 11YM0059  | 0.2      | 0.049    | 54      | 0.57    | 0.066   | 15       | 25       | 0.65   | 272      | 0.094   | 0.49    | 1.58    | 0.014   | 0.16   | 0.049   | 0.05     | 4.8      | 0.1      | 0.0249 | 6        |
| 11YM0058  | 0.049    | 0.1      | 45      | 0.6     | 0.127   | 15       | 10       | 0.81   | 371      | 0.023   | 0.49    | 1.71    | 0.012   | 0.24   | 0.049   | 0.0049   | 5.9      | 0.1      | 0.0249 | 6        |
| 11YM0057  | 0.2      | 0.2      | 50      | 0.54    | 0.092   | 18       | 27       | 0.83   | 484      | 0.078   | 0.49    | 1.61    | 0.015   | 0.11   | 0.049   | 0.01     | 4.5      | 0.049    | 0.0249 | 6        |
| 11YM0056  | 0.2      | 0.2      | 51      | 0.6     | 0.108   | 16       | 24       | 0.88   | 507      | 0.069   | 0.49    | 1.64    | 0.012   | 0.14   | 0.049   | 0.02     | 4.3      | 0.049    | 0.0249 | 6        |
| 11YM0055  | 0.2      | 0.1      | 57      | 0.45    | 0.057   | 16       | 32       | 0.82   | 414      | 0.086   | 0.49    | 1.74    | 0.017   | 0.07   | 0.049   | 0.0049   | 4.6      | 0.049    | 0.0249 | 6        |
| 11YM0054  | 0.3      | 0.2      | 54      | 0.86    | 0.125   | 26       | 47       | 0.81   | 867      | 0.058   | 0.49    | 1.64    | 0.016   | 0.09   | 0.049   | 0.03     | 5.4      | 0.049    | 0.0249 | 6        |
| 11YM0053  | 0.2      | 0.2      | 35      | 0.48    | 0.081   | 25       | 32       | 0.67   | 279      | 0.06    | 0.49    | 1.35    | 0.01    | 0.1    | 0.1     | 0.0049   | 2.3      | 0.049    | 0.0249 | 5        |
| 11YM0052  | 0.3      | 0.3      | 42      | 0.57    | 0.046   | 57       | 34       | 0.52   | 469      | 0.034   | 0.49    | 1.41    | 0.011   | 0.08   | 0.049   | 0.02     | 3        | 0.049    | 0.0249 | 5        |
| 11YM0051  | 0.4      | 2.5      | 16      | 0.29    | 0.057   | 43       | 7        | 0.28   | 176      | 0.028   | 0.49    | 1.02    | 0.06    | 0.18   | 0.049   | 0.02     | 2.8      | 0.2      | 0.36   | 3        |
| 11YM0050  | 0.2      | 3.6      | 9       | 0.11    | 0.033   | 55       | 4        | 0.15   | 164      | 0.005   | 1       | 0.82    | 0.103   | 0.14   | 0.049   | 0.02     | 2.4      | 0.1      | 0.51   | 2        |
| 11YM0049  | 0.3      | 2.5      | 9       | 0.11    | 0.029   | 29       | 5        | 0.13   | 151      | 0.004   | 0.49    | 0.94    | 0.025   | 0.05   | 0.049   | 0.02     | 3.3      | 0.049    | 0.09   | 2        |
| 11YM0048  | 0.3      | 1.7      | 20      | 0.09    | 0.039   | 32       | 10       | 0.21   | 206      | 0.024   | 1       | 1.11    | 0.078   | 0.12   | 0.049   | 0.01     | 1.9      | 0.049    | 0.36   | 3        |
| 11YM0047  | -100     | -100     | -100    | -100    | -100    | -100     | -100     | -100   | -100     | -100    | -100    | -100    | -100    | -100   | -100    | -100     | -100     | -100     | -100   | -100     |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11YM0046  | 0.3      | 0.1      | 46      | 0.12       | 0.022      | 7        | 13       | 0.21      | 218      | 0.029      | 0.49    | 0.93       | 0.009     | 0.06      | 0.049   | 0.02     | 1.4      | 0.049    | 0.0249    | 5        |
| 11YM0045  | 0.4      | 0.2      | 53      | 0.16       | 0.037      | 9        | 23       | 0.59      | 291      | 0.036      | 0.49    | 1.86       | 0.013     | 0.11      | 0.1     | 0.01     | 2.6      | 0.049    | 0.0249    | 7        |
| 11YM0044  | 0.3      | 0.1      | 50      | 0.19       | 0.04       | 7        | 16       | 0.5       | 268      | 0.052      | 0.49    | 1.27       | 0.012     | 0.11      | 0.049   | 0.0049   | 2.1      | 0.049    | 0.0249    | 6        |
| 11YM0043  | 0.4      | 0.2      | 58      | 0.35       | 0.048      | 18       | 28       | 0.7       | 443      | 0.065      | 2       | 2          | 0.012     | 0.17      | 0.049   | 0.02     | 4.4      | 0.1      | 0.0249    | 7        |
| 11YM0042  | 0.5      | 0.2      | 59      | 0.12       | 0.034      | 10       | 26       | 0.52      | 220      | 0.047      | 0.49    | 1.98       | 0.009     | 0.1       | 0.049   | 0.02     | 2.3      | 0.1      | 0.0249    | 7        |
| 11YM0041  | 0.4      | 0.1      | 59      | 0.24       | 0.035      | 12       | 34       | 0.7       | 238      | 0.113      | 0.49    | 2.04       | 0.011     | 0.1       | 0.1     | 0.01     | 3.4      | 0.1      | 0.0249    | 6        |
| 11YM0040  | 0.3      | 0.1      | 63      | 0.26       | 0.042      | 9        | 42       | 0.7       | 199      | 0.126      | 1       | 1.89       | 0.012     | 0.09      | 0.1     | 0.01     | 3.4      | 0.049    | 0.0249    | 5        |
| 11YM0039  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11YM0038  | 0.3      | 0.1      | 68      | 0.33       | 0.049      | 12       | 45       | 0.81      | 336      | 0.139      | 1       | 1.99       | 0.016     | 0.1       | 0.1     | 0.02     | 3.8      | 0.1      | 0.0249    | 6        |
| 11YM0037  | 0.2      | 0.1      | 63      | 0.38       | 0.06       | 12       | 34       | 0.71      | 344      | 0.126      | 1       | 1.84       | 0.017     | 0.09      | 0.1     | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11YM0036  | 0.2      | 0.1      | 64      | 0.32       | 0.044      | 11       | 37       | 0.79      | 332      | 0.134      | 0.49    | 1.85       | 0.012     | 0.19      | 0.1     | 0.02     | 3.5      | 0.1      | 0.0249    | 6        |
| 11YM0035  | 0.2      | 0.049    | 71      | 0.29       | 0.046      | 7        | 22       | 0.9       | 211      | 0.151      | 1       | 1.99       | 0.012     | 0.28      | 0.1     | 0.01     | 3.9      | 0.1      | 0.0249    | 6        |
| 11YM0034  | 0.3      | 0.049    | 76      | 0.28       | 0.053      | 6        | 17       | 0.8       | 188      | 0.182      | 0.49    | 1.86       | 0.013     | 0.28      | 0.1     | 0.0049   | 3.4      | 0.2      | 0.0249    | 7        |
| 11YM0033  | 0.2      | 0.2      | 69      | 0.31       | 0.05       | 8        | 21       | 0.84      | 275      | 0.172      | 1       | 2          | 0.013     | 0.33      | 0.1     | 0.01     | 3.4      | 0.2      | 0.0249    | 6        |
| 11YM0032  | 0.1      | 0.049    | 63      | 0.29       | 0.084      | 9        | 15       | 0.96      | 291      | 0.231      | 0.49    | 2.07       | 0.011     | 0.66      | 0.2     | 0.01     | 3.3      | 0.3      | 0.0249    | 6        |
| 11YM0031  | 0.1      | 0.049    | 69      | 0.38       | 0.081      | 7        | 16       | 1.04      | 264      | 0.224      | 0.49    | 2.04       | 0.012     | 0.62      | 0.1     | 0.01     | 3.5      | 0.3      | 0.0249    | 6        |
| 11YM0030  | 0.2      | 0.1      | 85      | 0.3        | 0.059      | 8        | 25       | 1.1       | 257      | 0.225      | 0.49    | 2.49       | 0.016     | 0.44      | 0.1     | 0.01     | 4.1      | 0.2      | 0.0249    | 7        |
| 11YM0029  | 0.2      | 0.049    | 92      | 0.35       | 0.069      | 8        | 26       | 1.23      | 278      | 0.253      | 1       | 2.7        | 0.016     | 0.55      | 0.1     | 0.01     | 4.7      | 0.3      | 0.0249    | 7        |
| 11YM0028  | 0.2      | 0.1      | 76      | 0.54       | 0.054      | 10       | 21       | 1         | 323      | 0.202      | 1       | 2.23       | 0.015     | 0.32      | 0.1     | 0.02     | 3.5      | 0.2      | 0.0249    | 7        |
| 11YM0027  | 0.2      | 0.2      | 102     | 0.81       | 0.105      | 7        | 11       | 1.11      | 383      | 0.169      | 2       | 2.32       | 0.015     | 0.59      | 0.049   | 0.02     | 6.6      | 0.4      | 0.0249    | 7        |
| 11YM0026  | 0.2      | 0.2      | 55      | 0.97       | 0.076      | 17       | 16       | 0.82      | 537      | 0.148      | 3       | 1.71       | 0.022     | 0.32      | 0.1     | 0.06     | 4.7      | 0.3      | 0.0249    | 5        |
| 11YM0025  | 0.049    | 0.049    | 87      | 0.51       | 0.111      | 14       | 35       | 1.44      | 369      | 0.299      | 0.49    | 2.38       | 0.013     | 0.55      | 0.1     | 0.03     | 4.2      | 0.3      | 0.0249    | 7        |
| 11YM0024  | 0.1      | 0.049    | 83      | 0.67       | 0.143      | 17       | 59       | 1.63      | 343      | 0.253      | 1       | 2.22       | 0.016     | 0.41      | 0.1     | 0.02     | 4.8      | 0.3      | 0.0249    | 8        |
| 11YM0023  | 0.2      | 0.049    | 76      | 1.25       | 0.196      | 34       | 91       | 1.83      | 616      | 0.203      | 1       | 2.18       | 0.018     | 0.19      | 0.049   | 0.06     | 7.3      | 0.2      | 0.0249    | 7        |
| 11YM0022  | 0.1      | 0.049    | 85      | 1.08       | 0.225      | 29       | 92       | 1.93      | 507      | 0.25       | 1       | 2.26       | 0.018     | 0.28      | 0.049   | 0.03     | 6.2      | 0.3      | 0.0249    | 8        |
| 11YM0021  | 0.2      | 0.049    | 76      | 0.93       | 0.139      | 21       | 58       | 1.43      | 430      | 0.192      | 1       | 2.15       | 0.017     | 0.21      | 0.1     | 0.02     | 5.7      | 0.2      | 0.0249    | 7        |
| 11YM0020  | 0.2      | 0.1      | 78      | 0.77       | 0.1        | 20       | 46       | 1.24      | 476      | 0.176      | 1       | 2.04       | 0.018     | 0.26      | 0.1     | 0.03     | 6.6      | 0.2      | 0.0249    | 7        |
| 11YM0019  | 0.2      | 0.1      | 75      | 0.46       | 0.086      | 12       | 33       | 1.03      | 265      | 0.161      | 1       | 2.08       | 0.014     | 0.13      | 0.1     | 0.02     | 4.9      | 0.1      | 0.0249    | 7        |
| 11YM0018  | 0.2      | 0.1      | 63      | 0.6        | 0.087      | 14       | 34       | 1.04      | 355      | 0.108      | 1       | 1.85       | 0.018     | 0.17      | 0.049   | 0.03     | 7        | 0.1      | 0.0249    | 8        |
| 11YM0017  | 0.2      | 0.1      | 64      | 0.33       | 0.08       | 13       | 30       | 0.81      | 251      | 0.118      | 0.49    | 1.7        | 0.014     | 0.14      | 0.049   | 0.02     | 5.8      | 0.049    | 0.0249    | 6        |
| 11YM0016  | 0.2      | 0.2      | 59      | 0.34       | 0.072      | 17       | 30       | 0.74      | 341      | 0.111      | 1       | 1.86       | 0.014     | 0.1       | 0.049   | 0.05     | 6.3      | 0.1      | 0.0249    | 7        |
| 11YM0015  | 0.2      | 0.1      | 61      | 0.35       | 0.079      | 12       | 31       | 0.92      | 239      | 0.129      | 0.49    | 1.74       | 0.016     | 0.14      | 0.1     | 0.03     | 5.7      | 0.1      | 0.0249    | 6        |
| 11YM0014  | 0.2      | 0.049    | 62      | 0.56       | 0.088      | 15       | 43       | 1.1       | 283      | 0.106      | 1       | 1.7        | 0.019     | 0.11      | 0.049   | 0.03     | 7.8      | 0.1      | 0.0249    | 7        |
| 11YM0013  | 0.3      | 0.1      | 59      | 0.6        | 0.065      | 21       | 28       | 0.79      | 410      | 0.124      | 2       | 1.89       | 0.016     | 0.25      | 0.049   | 0.03     | 7.6      | 0.1      | 0.0249    | 7        |
| 11YM0012  | 0.3      | 0.1      | 74      | 0.36       | 0.076      | 11       | 28       | 1.36      | 212      | 0.136      | 1       | 2.26       | 0.014     | 0.19      | 0.1     | 0.01     | 8.2      | 0.1      | 0.0249    | 8        |
| 11YM0011  | 0.4      | 0.1      | 69      | 0.52       | 0.063      | 10       | 29       | 0.96      | 410      | 0.126      | 2       | 2.03       | 0.015     | 0.3       | 0.1     | 0.02     | 6.6      | 0.1      | 0.0249    | 7        |
| 11YM0010  | 0.4      | 0.1      | 81      | 0.36       | 0.068      | 9        | 32       | 1.07      | 295      | 0.132      | 1       | 2.33       | 0.017     | 0.24      | 0.049   | 0.0049   | 6.5      | 0.1      | 0.0249    | 8        |
| 11YM0009  | 0.4      | 0.1      | 81      | 0.25       | 0.041      | 15       | 39       | 0.91      | 263      | 0.166      | 1       | 2.17       | 0.022     | 0.22      | 0.1     | 0.02     | 7.7      | 0.1      | 0.0249    | 7        |
| 11YM0008  | 0.2      | 0.049    | 96      | 0.37       | 0.099      | 7        | 35       | 1.23      | 373      | 0.215      | 2       | 2.32       | 0.016     | 0.44      | 0.1     | 0.0049   | 4.8      | 0.2      | 0.0249    | 8        |
| 11YM0007  | 0.3      | 0.1      | 84      | 0.43       | 0.043      | 5        | 56       | 1.03      | 309      | 0.133      | 1       | 2.34       | 0.023     | 0.2       | 0.1     | 0.0049   | 4.5      | 0.049    | 0.0249    | 7        |
| 11YM0006  | 0.3      | 0.1      | 104     | 0.48       | 0.159      | 6        | 29       | 1.09      | 320      | 0.224      | 2       | 2.41       | 0.017     | 0.28      | 0.1     | 0.01     | 4        | 0.2      | 0.0249    | 9        |
| 11YM0005  | 0.3      | 0.1      | 82      | 0.31       | 0.098      | 12       | 27       | 1         | 204      | 0.17       | 2       | 1.83       | 0.015     | 0.29      | 0.1     | 0.02     | 4.6      | 0.1      | 0.0249    | 7        |
| 11YM0004  | 0.3      | 0.2      | 75      | 0.19       | 0.16       | 11       | 30       | 0.64      | 234      | 0.135      | 0.49    | 1.51       | 0.012     | 0.14      | 0.2     | 0.02     | 4.2      | 0.1      | 0.0249    | 8        |
| 11YM0003  | 0.1      | 0.049    | 34      | 0.23       | 0.109      | 12       | 9        | 1.09      | 93       | 0.138      | 0.49    | 1.24       | 0.005     | 0.19      | 0.049   | 0.0049   | 8        | 0.049    | 0.0249    | 6        |
| 11YM0002  | 0.2      | 0.049    | 36      | 0.16       | 0.045      | 12       | 15       | 0.84      | 107      | 0.118      | 0.49    | 1.22       | 0.008     | 0.1       | 0.049   | 0.0049   | 6.7      | 0.049    | 0.0249    | 5        |
| 11YM0001  | 0.4      | 0.049    | 59      | 0.12       | 0.037      | 12       | 26       | 0.86      | 140      | 0.156      | 0.49    | 2.12       | 0.011     | 0.15      | 0.1     | 0.02     | 7.3      | 0.1      | 0.0249    | 7        |



| Sample No  | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|------------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB1260   | 0.4      | 0.1      | 59      | 0.54       | 0.061      | 16       | 28       | 0.71      | 613      | 0.065      | 0.49    | 1.66       | 0.015     | 0.14      | 0.1     | 0.02     | 6.6      | 0.049    | 0.0249    | 6        |
| 11TB1259   | 0.2      | 0.1      | 32      | 0.53       | 0.041      | 10       | 17       | 0.45      | 247      | 0.022      | 1       | 1.41       | 0.007     | 0.19      | 0.049   | 0.0049   | 2        | 0.1      | 0.0249    | 5        |
| 11TB1258   | 0.4      | 0.1      | 44      | 0.15       | 0.034      | 14       | 23       | 0.6       | 221      | 0.06       | 1       | 1.74       | 0.009     | 0.18      | 0.049   | 0.01     | 3.6      | 0.049    | 0.0249    | 6        |
| 11TB1257   | 0.2      | 0.049    | 103     | 0.34       | 0.102      | 9        | 46       | 1.58      | 340      | 0.205      | 0.49    | 2.92       | 0.012     | 0.77      | 0.2     | 0.02     | 5.5      | 0.3      | 0.0249    | 8        |
| 11TB1256   | 0.3      | 0.2      | 65      | 0.29       | 0.08       | 9        | 24       | 0.44      | 252      | 0.097      | 0.49    | 1.4        | 0.015     | 0.11      | 0.1     | 0.02     | 2.9      | 0.049    | 0.0249    | 6        |
| 11TB1255   | 0.2      | 0.1      | 76      | 0.71       | 0.204      | 36       | 104      | 1.65      | 661      | 0.168      | 0.49    | 2.07       | 0.019     | 0.2       | 0.1     | 0.01     | 3.8      | 0.1      | 0.0249    | 8        |
| 11TB1254   | 0.2      | 0.1      | 65      | 0.29       | 0.067      | 12       | 24       | 0.67      | 397      | 0.111      | 0.49    | 1.72       | 0.012     | 0.16      | 0.1     | 0.03     | 3.5      | 0.1      | 0.0249    | 6        |
| 11TB1253   | 0.3      | 0.1      | 70      | 0.3        | 0.064      | 13       | 26       | 0.77      | 298      | 0.118      | 0.49    | 1.8        | 0.012     | 0.14      | 0.2     | 0.02     | 4.5      | 0.1      | 0.0249    | 6        |
| 11TB1252   | 0.3      | 0.1      | 65      | 0.26       | 0.045      | 11       | 26       | 0.71      | 219      | 0.113      | 2       | 1.75       | 0.011     | 0.11      | 0.1     | 0.02     | 3.9      | 0.1      | 0.0249    | 6        |
| 11TB1251   | 0.3      | 0.1      | 63      | 0.27       | 0.042      | 10       | 26       | 0.53      | 231      | 0.08       | 0.49    | 1.57       | 0.013     | 0.1       | 0.1     | 0.02     | 3.3      | 0.049    | 0.0249    | 6        |
| 11TB1250   | 0.2      | 0.049    | 74      | 0.37       | 0.102      | 10       | 18       | 0.99      | 262      | 0.119      | 0.49    | 1.86       | 0.012     | 0.22      | 0.049   | 0.01     | 4.5      | 0.1      | 0.0249    | 7        |
| 11TB1249   | 0.2      | 0.1      | 74      | 0.26       | 0.044      | 12       | 41       | 0.93      | 229      | 0.158      | 0.49    | 1.73       | 0.012     | 0.14      | 0.1     | 0.02     | 4.9      | 0.1      | 0.0249    | 8        |
| 11TB1248   | 0.2      | 0.049    | 68      | 0.39       | 0.087      | 12       | 31       | 1.16      | 302      | 0.119      | 0.49    | 1.85       | 0.012     | 0.12      | 0.049   | 0.01     | 6.8      | 0.049    | 0.0249    | 7        |
| 11TB1247   | 0.2      | 0.049    | 66      | 0.37       | 0.077      | 14       | 31       | 0.79      | 312      | 0.117      | 0.49    | 1.65       | 0.015     | 0.15      | 0.049   | 0.02     | 6.2      | 0.1      | 0.0249    | 7        |
| 11TB1246   | 0.3      | 0.1      | 59      | 0.3        | 0.067      | 14       | 28       | 0.76      | 291      | 0.119      | 0.49    | 1.69       | 0.012     | 0.14      | 0.1     | 0.03     | 5.6      | 0.1      | 0.0249    | 6        |
| 11TB1245   | 0.2      | 0.049    | 62      | 0.31       | 0.061      | 11       | 34       | 0.88      | 267      | 0.123      | 0.49    | 1.66       | 0.013     | 0.09      | 0.1     | 0.02     | 5.2      | 0.1      | 0.0249    | 6        |
| 11TB1244   | 0.2      | 0.049    | 71      | 0.5        | 0.106      | 13       | 35       | 1.1       | 286      | 0.126      | 0.49    | 1.75       | 0.019     | 0.19      | 0.1     | 0.02     | 7.2      | 0.1      | 0.0249    | 6        |
| 11TB1243   | 0.4      | 0.049    | 59      | 0.18       | 0.031      | 17       | 26       | 0.99      | 174      | 0.108      | 0.49    | 1.68       | 0.011     | 0.1       | 0.1     | 0.01     | 8.3      | 0.1      | 0.0249    | 6        |
| 11TB1242   | 0.4      | 0.2      | 70      | 0.21       | 0.07       | 12       | 27       | 0.6       | 212      | 0.091      | 0.49    | 1.52       | 0.01      | 0.13      | 0.1     | 0.02     | 4.7      | 0.049    | 0.0249    | 6        |
| 11TB1240   | 0.3      | 0.049    | 81      | 0.21       | 0.045      | 6        | 71       | 1.35      | 252      | 0.122      | 0.49    | 1.98       | 0.014     | 0.16      | 0.049   | 0.0049   | 3.7      | 0.1      | 0.0249    | 7        |
| 11TB1239   | 0.3      | 0.049    | 76      | 0.21       | 0.044      | 8        | 64       | 0.97      | 177      | 0.118      | 0.49    | 2.05       | 0.015     | 0.07      | 0.049   | 0.02     | 3.5      | 0.1      | 0.0249    | 7        |
| 11TB1238   | 0.2      | 0.049    | 71      | 0.28       | 0.051      | 9        | 66       | 1.16      | 179      | 0.136      | 0.49    | 1.79       | 0.016     | 0.17      | 0.049   | 0.01     | 3.3      | 0.1      | 0.0249    | 6        |
| 11TB1237   | 0.2      | 0.049    | 63      | 0.39       | 0.085      | 10       | 35       | 0.72      | 250      | 0.085      | 1       | 1.57       | 0.017     | 0.06      | 0.1     | 0.02     | 4.6      | 0.049    | 0.0249    | 6        |
| 11TB1236   | 0.2      | 0.049    | 62      | 0.43       | 0.106      | 13       | 30       | 0.86      | 290      | 0.123      | 0.49    | 1.8        | 0.018     | 0.17      | 0.1     | 0.02     | 5.2      | 0.1      | 0.0249    | 6        |
| 11TB1235   | 0.1      | 0.049    | 74      | 0.56       | 0.184      | 9        | 27       | 1.26      | 463      | 0.199      | 0.49    | 2.15       | 0.014     | 0.75      | 0.2     | 0.02     | 4.2      | 0.3      | 0.0249    | 8        |
| 11TB1234   | 0.3      | 0.1      | 72      | 0.38       | 0.072      | 12       | 29       | 0.81      | 299      | 0.121      | 1       | 1.94       | 0.017     | 0.07      | 0.1     | 0.03     | 5        | 0.049    | 0.0249    | 6        |
| 11TB1233   | 0.3      | 0.1      | 63      | 0.27       | 0.053      | 11       | 25       | 0.77      | 227      | 0.118      | 0.49    | 1.71       | 0.015     | 0.08      | 0.1     | 0.03     | 4.5      | 0.049    | 0.0249    | 6        |
| 11TB1232   | 0.3      | 0.1      | 60      | 0.35       | 0.067      | 11       | 26       | 0.73      | 222      | 0.115      | 0.49    | 1.63       | 0.014     | 0.1       | 0.1     | 0.03     | 4.6      | 0.1      | 0.0249    | 6        |
| 11TB1231   | 0.3      | 0.049    | 59      | 0.35       | 0.075      | 13       | 26       | 0.89      | 255      | 0.123      | 0.49    | 1.81       | 0.013     | 0.13      | 0.1     | 0.03     | 5.1      | 0.1      | 0.0249    | 6        |
| 11TB1230.1 | 0.5      | 0.2      | 70      | 0.1        | 0.036      | 11       | 32       | 0.76      | 154      | 0.139      | 0.49    | 2.76       | 0.01      | 0.23      | 0.1     | 0.03     | 5.6      | 0.2      | 0.0249    | 7        |
| 11TB1230   | 0.3      | 0.2      | 76      | 0.18       | 0.034      | 14       | 31       | 0.72      | 201      | 0.124      | 1       | 2.48       | 0.011     | 0.08      | 0.1     | 0.03     | 5.2      | 0.2      | 0.0249    | 8        |
| 11TB1229   | 0.3      | 0.2      | 74      | 0.16       | 0.035      | 12       | 23       | 0.66      | 151      | 0.15       | 0.49    | 1.89       | 0.011     | 0.13      | 0.1     | 0.02     | 4.6      | 0.2      | 0.0249    | 8        |
| 11TB1228   | 0.4      | 0.2      | 77      | 0.16       | 0.034      | 13       | 27       | 0.79      | 180      | 0.159      | 0.49    | 2.24       | 0.011     | 0.13      | 0.2     | 0.02     | 5.2      | 0.2      | 0.0249    | 8        |
| 11TB1227   | 0.3      | 0.1      | 77      | 0.16       | 0.042      | 10       | 28       | 0.86      | 161      | 0.166      | 1       | 2.49       | 0.011     | 0.18      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 8        |
| 11TB1226   | 0.4      | 0.2      | 86      | 0.12       | 0.032      | 8        | 31       | 0.65      | 154      | 0.141      | 0.49    | 2.43       | 0.008     | 0.09      | 0.1     | 0.01     | 4.5      | 0.1      | 0.0249    | 8        |
| 11TB1225   | 0.3      | 0.2      | 86      | 0.17       | 0.046      | 8        | 36       | 1.04      | 138      | 0.181      | 1       | 2.45       | 0.012     | 0.27      | 0.2     | 0.03     | 4.7      | 0.2      | 0.0249    | 8        |
| 11TB1224   | 0.3      | 0.2      | 82      | 0.12       | 0.042      | 13       | 24       | 0.73      | 155      | 0.167      | 0.49    | 2.09       | 0.009     | 0.19      | 0.2     | 0.02     | 5.2      | 0.1      | 0.0249    | 8        |
| 11TB1223   | 0.3      | 0.1      | 58      | 0.28       | 0.055      | 11       | 25       | 0.72      | 174      | 0.122      | 1       | 1.71       | 0.016     | 0.2       | 0.1     | 0.01     | 3.2      | 0.1      | 0.0249    | 7        |
| 11TB1222   | 0.1      | 0.2      | 111     | 0.39       | 0.127      | 12       | 14       | 1.66      | 381      | 0.224      | 1       | 2.78       | 0.016     | 0.72      | 0.1     | 0.02     | 9.3      | 0.3      | 0.0249    | 11       |
| 11TB1220   | 0.2      | 0.049    | 89      | 0.27       | 0.073      | 11       | 20       | 1.16      | 248      | 0.128      | 0.49    | 1.98       | 0.018     | 0.42      | 0.049   | 0.02     | 4.7      | 0.2      | 0.0249    | 8        |
| 11TB1219   | 0.3      | 0.1      | 75      | 0.18       | 0.043      | 11       | 30       | 0.91      | 196      | 0.161      | 0.49    | 2.28       | 0.013     | 0.33      | 0.1     | 0.01     | 5.5      | 0.2      | 0.0249    | 7        |
| 11TB1218   | 0.4      | 0.2      | 70      | 0.19       | 0.051      | 14       | 26       | 0.84      | 221      | 0.161      | 0.49    | 2.19       | 0.013     | 0.3       | 0.1     | 0.0049   | 5        | 0.2      | 0.0249    | 8        |
| 11TB1217   | 0.3      | 0.1      | 58      | 0.19       | 0.045      | 13       | 31       | 0.77      | 207      | 0.142      | 0.49    | 2.1        | 0.012     | 0.17      | 0.1     | 0.01     | 4.3      | 0.1      | 0.0249    | 6        |
| 11TB1216   | 0.2      | 0.1      | 63      | 0.2        | 0.047      | 12       | 25       | 0.79      | 219      | 0.157      | 0.49    | 1.79       | 0.011     | 0.31      | 0.1     | 0.02     | 5.3      | 0.2      | 0.0249    | 6        |
| 11TB1215   | 0.3      | 0.1      | 75      | 0.14       | 0.033      | 12       | 26       | 0.84      | 172      | 0.185      | 0.49    | 2.03       | 0.011     | 0.24      | 0.1     | 0.01     | 5.2      | 0.2      | 0.0249    | 7        |
| 11TB1214   | 0.3      | 0.2      | 68      | 0.19       | 0.046      | 13       | 27       | 0.75      | 231      | 0.16       | 1       | 2.38       | 0.012     | 0.23      | 0.1     | 0.03     | 5.2      | 0.2      | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB1213  | 0.2      | 0.1      | 61      | 0.31       | 0.051      | 14       | 29       | 0.69      | 289      | 0.14       | 0.49    | 2.2        | 0.013     | 0.18      | 0.1     | 0.03     | 5.1      | 0.1      | 0.0249    | 7        |
| 11TB1212  | 0.2      | 0.049    | 56      | 0.38       | 0.055      | 12       | 23       | 0.7       | 283      | 0.143      | 0.49    | 1.77       | 0.014     | 0.24      | 0.1     | 0.03     | 4.6      | 0.1      | 0.0249    | 6        |
| 11TB1211  | 0.2      | 0.1      | 58      | 0.19       | 0.041      | 10       | 22       | 0.73      | 179      | 0.162      | 0.49    | 1.82       | 0.012     | 0.24      | 0.1     | 0.02     | 3.7      | 0.1      | 0.0249    | 6        |
| 11TB1210  | 0.2      | 0.1      | 63      | 0.22       | 0.054      | 11       | 30       | 0.89      | 313      | 0.158      | 0.49    | 2.21       | 0.012     | 0.29      | 0.1     | 0.02     | 5.9      | 0.2      | 0.0249    | 8        |
| 11TB1208  | 0.2      | 0.049    | 50      | 0.2        | 0.049      | 11       | 22       | 1         | 163      | 0.139      | 0.49    | 1.77       | 0.01      | 0.23      | 0.1     | 0.01     | 4.3      | 0.2      | 0.0249    | 7        |
| 11TB1207  | 0.2      | 0.049    | 52      | 0.23       | 0.057      | 13       | 28       | 1.12      | 205      | 0.131      | 0.49    | 1.98       | 0.012     | 0.27      | 0.049   | 0.02     | 5        | 0.2      | 0.0249    | 7        |
| 11TB1206  | 0.2      | 0.049    | 68      | 0.35       | 0.089      | 12       | 31       | 1.39      | 268      | 0.162      | 0.49    | 2.03       | 0.015     | 0.37      | 0.049   | 0.0049   | 5.8      | 0.2      | 0.0249    | 7        |
| 11TB1205  | 0.2      | 0.1      | 60      | 0.37       | 0.07       | 15       | 28       | 0.99      | 273      | 0.133      | 0.49    | 2.12       | 0.014     | 0.21      | 0.1     | 0.03     | 5.9      | 0.1      | 0.0249    | 7        |
| 11TB1204  | 0.2      | 0.1      | 59      | 0.25       | 0.047      | 10       | 25       | 0.77      | 179      | 0.118      | 0.49    | 1.89       | 0.013     | 0.09      | 0.1     | 0.03     | 4.2      | 0.049    | 0.0249    | 6        |
| 11TB1203  | 0.2      | 0.049    | 56      | 0.41       | 0.081      | 11       | 26       | 0.91      | 222      | 0.124      | 0.49    | 1.88       | 0.015     | 0.19      | 0.049   | 0.03     | 5        | 0.1      | 0.0249    | 6        |
| 11TB0740  | 0.3      | 0.1      | 50      | 0.18       | 0.041      | 32       | 32       | 0.54      | 224      | 0.08       | 0.49    | 1.77       | 0.01      | 0.11      | 0.1     | 0.01     | 2.9      | 0.049    | 0.0249    | 6        |
| 11TB0739  | 0.4      | 0.1      | 48      | 0.24       | 0.05       | 26       | 25       | 0.43      | 270      | 0.067      | 0.49    | 1.62       | 0.008     | 0.11      | 0.049   | 0.01     | 2.7      | 0.049    | 0.0249    | 6        |
| 11TB0738  | 0.4      | 0.2      | 54      | 0.19       | 0.034      | 23       | 27       | 0.38      | 267      | 0.047      | 0.49    | 1.48       | 0.009     | 0.07      | 0.1     | 0.03     | 2.4      | 0.049    | 0.0249    | 6        |
| 11TB0737  | 0.3      | 0.049    | 49      | 0.46       | 0.067      | 21       | 48       | 0.53      | 463      | 0.031      | 0.49    | 1.71       | 0.014     | 0.06      | 0.1     | 0.05     | 4.4      | 0.049    | 0.0249    | 5        |
| 11TB0736  | 0.3      | 0.049    | 44      | 0.81       | 0.066      | 40       | 51       | 0.6       | 727      | 0.05       | 0.49    | 1.96       | 0.014     | 0.15      | 0.049   | 0.05     | 5.5      | 0.1      | 0.0249    | 6        |
| 11TB0735  | 0.4      | 0.049    | 40      | 1          | 0.075      | 56       | 29       | 0.5       | 1331     | 0.026      | 1       | 2.13       | 0.017     | 0.09      | 0.1     | 0.09     | 5        | 0.1      | 0.08      | 6        |
| 11TB0734  | 0.3      | 0.049    | 50      | 0.24       | 0.022      | 18       | 29       | 0.48      | 310      | 0.052      | 0.49    | 1.78       | 0.011     | 0.07      | 0.1     | 0.02     | 2.9      | 0.049    | 0.0249    | 5        |
| 11TB0733  | 0.4      | 0.1      | 42      | 0.22       | 0.029      | 20       | 21       | 0.28      | 398      | 0.03       | 0.49    | 1.43       | 0.009     | 0.1       | 0.1     | 0.03     | 2.5      | 0.1      | 0.0249    | 5        |
| 11TB0732  | 0.5      | 0.1      | 47      | 0.17       | 0.018      | 25       | 20       | 0.29      | 567      | 0.028      | 0.49    | 1.62       | 0.007     | 0.07      | 0.049   | 0.01     | 3        | 0.049    | 0.0249    | 6        |
| 11TB0731  | 0.8      | 0.1      | 60      | 0.15       | 0.019      | 16       | 35       | 0.48      | 311      | 0.036      | 0.49    | 2.27       | 0.009     | 0.07      | 0.049   | 0.03     | 4.9      | 0.1      | 0.0249    | 6        |
| 11TB0730  | 0.3      | 0.049    | 49      | 0.27       | 0.032      | 22       | 29       | 0.47      | 592      | 0.039      | 0.49    | 1.63       | 0.009     | 0.04      | 0.1     | 0.03     | 3.4      | 0.049    | 0.0249    | 5        |
| 11TB0729  | 0.3      | 0.1      | 58      | 0.16       | 0.025      | 15       | 28       | 0.44      | 256      | 0.051      | 0.49    | 1.83       | 0.008     | 0.05      | 0.049   | 0.01     | 3.2      | 0.049    | 0.0249    | 6        |
| 11TB0728  | 0.3      | 0.049    | 42      | 0.5        | 0.095      | 15       | 13       | 0.47      | 389      | 0.057      | 0.49    | 1.39       | 0.007     | 0.39      | 0.049   | 0.02     | 6.2      | 0.1      | 0.0249    | 5        |
| 11TB0727  | 0.3      | 0.049    | 63      | 0.36       | 0.056      | 11       | 28       | 0.67      | 388      | 0.086      | 0.49    | 1.9        | 0.01      | 0.08      | 0.1     | 0.02     | 4        | 0.1      | 0.0249    | 6        |
| 11TB0726  | 0.3      | 0.049    | 52      | 0.88       | 0.088      | 25       | 29       | 0.62      | 953      | 0.051      | 0.49    | 1.69       | 0.012     | 0.11      | 0.049   | 0.04     | 5.5      | 0.049    | 0.08      | 5        |
| 11TB0725  | 0.2      | 0.1      | 63      | 0.29       | 0.042      | 9        | 63       | 0.87      | 228      | 0.112      | 0.49    | 1.6        | 0.012     | 0.09      | 0.049   | 0.03     | 3.1      | 0.1      | 0.0249    | 7        |
| 11TB0724  | 0.2      | 0.049    | 113     | 0.6        | 0.15       | 10       | 119      | 2.13      | 533      | 0.161      | 1       | 2.58       | 0.013     | 0.57      | 0.049   | 0.03     | 7.4      | 0.2      | 0.0249    | 10       |
| 11TB0723  | 0.6      | 0.049    | 41      | 0.2        | 0.081      | 22       | 24       | 0.29      | 657      | 0.02       | 0.49    | 1.24       | 0.008     | 0.08      | 0.049   | 0.04     | 3        | 0.049    | 0.0249    | 4        |
| 11TB0722  | 0.3      | 0.1      | 58      | 0.29       | 0.038      | 11       | 30       | 0.6       | 281      | 0.072      | 0.49    | 1.73       | 0.011     | 0.1       | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 6        |
| 11TB0721  | 0.2      | 0.049    | 60      | 0.33       | 0.055      | 15       | 33       | 0.8       | 513      | 0.115      | 0.49    | 1.77       | 0.009     | 0.25      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |
| 11TB0719  | 0.6      | 0.2      | 29      | 1.31       | 0.119      | 84       | 19       | 0.36      | 692      | 0.047      | 2       | 2.1        | 0.016     | 0.09      | 0.2     | 0.15     | 4        | 0.1      | 0.12      | 5        |
| 11TB0718  | 0.3      | 0.1      | 53      | 0.23       | 0.028      | 19       | 29       | 0.52      | 218      | 0.075      | 0.49    | 1.75       | 0.01      | 0.05      | 0.049   | 0.02     | 3.5      | 0.049    | 0.0249    | 5        |
| 11TB0717  | 0.2      | 0.1      | 53      | 0.16       | 0.036      | 10       | 21       | 0.38      | 160      | 0.079      | 0.49    | 1.51       | 0.009     | 0.09      | 0.2     | 0.02     | 2.3      | 0.049    | 0.0249    | 7        |
| 11TB0716  | 0.4      | 0.1      | 54      | 0.13       | 0.044      | 15       | 24       | 0.46      | 206      | 0.058      | 0.49    | 1.71       | 0.008     | 0.1       | 0.2     | 0.02     | 3.1      | 0.049    | 0.0249    | 6        |
| 11TB0715  | 0.4      | 0.1      | 60      | 0.13       | 0.029      | 11       | 27       | 0.59      | 180      | 0.086      | 0.49    | 2.28       | 0.008     | 0.17      | 0.1     | 0.02     | 3.1      | 0.2      | 0.0249    | 8        |
| 11TB0714  | 0.4      | 0.1      | 49      | 0.14       | 0.031      | 24       | 24       | 0.51      | 173      | 0.094      | 0.49    | 1.9        | 0.008     | 0.24      | 0.1     | 0.02     | 4.2      | 0.2      | 0.0249    | 7        |
| 11TB0713  | 0.5      | 0.1      | 67      | 0.15       | 0.023      | 36       | 48       | 0.7       | 206      | 0.085      | 0.49    | 2.15       | 0.009     | 0.07      | 0.1     | 0.03     | 4.3      | 0.1      | 0.0249    | 7        |
| 11TB0712  | 0.4      | 0.1      | 56      | 0.21       | 0.031      | 21       | 32       | 0.58      | 239      | 0.072      | 0.49    | 1.99       | 0.009     | 0.08      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |
| 11TB0711  | 0.2      | 0.1      | 57      | 0.22       | 0.041      | 16       | 34       | 0.65      | 199      | 0.073      | 0.49    | 2.05       | 0.01      | 0.11      | 0.049   | 0.02     | 3.6      | 0.1      | 0.0249    | 8        |
| 11TB0710  | 0.3      | 0.1      | 57      | 0.22       | 0.036      | 26       | 32       | 0.63      | 281      | 0.074      | 0.49    | 2.29       | 0.009     | 0.14      | 0.1     | 0.01     | 3.8      | 0.1      | 0.0249    | 7        |
| 11TB0709  | 0.3      | 0.1      | 59      | 0.28       | 0.059      | 26       | 34       | 0.55      | 435      | 0.064      | 1       | 1.95       | 0.011     | 0.07      | 0.1     | 0.03     | 3.9      | 0.049    | 0.0249    | 6        |
| 11TB0708  | 0.4      | 0.1      | 45      | 0.35       | 0.031      | 34       | 25       | 0.46      | 560      | 0.04       | 0.49    | 1.84       | 0.01      | 0.07      | 0.1     | 0.02     | 4.6      | 0.1      | 0.0249    | 5        |
| 11TB0707  | 0.5      | 0.2      | 58      | 0.13       | 0.024      | 41       | 23       | 0.29      | 362      | 0.06       | 0.49    | 1.27       | 0.008     | 0.08      | 0.1     | 0.03     | 2.5      | 0.049    | 0.0249    | 6        |
| 11TB0706  | 0.3      | 0.049    | 38      | 0.11       | 0.04       | 22       | 14       | 0.47      | 228      | 0.112      | 0.49    | 1.54       | 0.007     | 0.42      | 0.1     | 0.02     | 3.2      | 0.2      | 0.0249    | 8        |
| 11TB0705  | 0.6      | 0.1      | 57      | 0.17       | 0.02       | 16       | 31       | 0.54      | 321      | 0.038      | 0.49    | 2.27       | 0.009     | 0.07      | 0.1     | 0.03     | 3.8      | 0.1      | 0.0249    | 6        |
| 11TB0704  | 0.5      | 0.2      | 61      | 0.19       | 0.021      | 16       | 33       | 0.53      | 437      | 0.043      | 1       | 2.07       | 0.009     | 0.05      | 0.1     | 0.03     | 3.8      | 0.1      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0703  | 0.9      | 0.1      | 53      | 0.21       | 0.031      | 19       | 31       | 0.51      | 545      | 0.033      | 0.49    | 1.89       | 0.01      | 0.06      | 0.1     | 0.05     | 4.5      | 0.1      | 0.0249    | 5        |
| 11TB0702  | 0.8      | 0.2      | 56      | 0.11       | 0.034      | 12       | 24       | 0.33      | 174      | 0.023      | 1       | 1.74       | 0.006     | 0.08      | 0.1     | 0.01     | 3.4      | 0.049    | 0.0249    | 6        |
| 11TB0700  | 0.9      | 0.1      | 50      | 0.18       | 0.026      | 26       | 24       | 0.49      | 548      | 0.018      | 1       | 2.07       | 0.008     | 0.07      | 0.049   | 0.02     | 4.3      | 0.2      | 0.0249    | 5        |
| 11TB0699  | 0.6      | 0.1      | 71      | 0.08       | 0.043      | 13       | 31       | 0.42      | 248      | 0.006      | 0.49    | 2.35       | 0.006     | 0.05      | 0.049   | 0.02     | 5.7      | 0.1      | 0.0249    | 7        |
| 11TB0698  | 0.6      | 0.2      | 71      | 0.09       | 0.044      | 13       | 27       | 0.33      | 230      | 0.045      | 0.49    | 2.22       | 0.007     | 0.05      | 0.1     | 0.04     | 2.6      | 0.049    | 0.0249    | 9        |
| 11TB0697  | 0.6      | 0.3      | 61      | 0.2        | 0.053      | 24       | 35       | 0.55      | 474      | 0.045      | 1       | 2.23       | 0.01      | 0.05      | 0.2     | 0.04     | 5.2      | 0.049    | 0.05      | 5        |
| 11TB0696  | 0.5      | 0.2      | 62      | 0.2        | 0.03       | 20       | 36       | 0.58      | 333      | 0.066      | 2       | 2.45       | 0.012     | 0.07      | 0.1     | 0.03     | 4        | 0.049    | 0.0249    | 6        |
| 11TB0695  | 0.5      | 0.2      | 66      | 0.12       | 0.035      | 15       | 33       | 0.45      | 184      | 0.07       | 2       | 1.98       | 0.009     | 0.05      | 0.1     | 0.02     | 3        | 0.1      | 0.0249    | 7        |
| 11TB0694  | 0.4      | 0.2      | 49      | 0.13       | 0.112      | 17       | 25       | 0.3       | 288      | 0.021      | 2       | 1.83       | 0.01      | 0.05      | 0.049   | 0.05     | 1.3      | 0.049    | 0.0249    | 6        |
| 11TB0693  | 0.7      | 0.2      | 66      | 0.17       | 0.035      | 18       | 40       | 0.55      | 346      | 0.063      | 1       | 2.11       | 0.01      | 0.06      | 0.1     | 0.05     | 3.9      | 0.1      | 0.0249    | 7        |
| 11TB0692  | 0.7      | 0.2      | 56      | 0.26       | 0.057      | 22       | 33       | 0.55      | 443      | 0.062      | 2       | 1.82       | 0.012     | 0.07      | 0.1     | 0.03     | 4.7      | 0.049    | 0.0249    | 5        |
| 11TB0691  | 0.6      | 0.2      | 67      | 0.31       | 0.084      | 14       | 35       | 0.71      | 321      | 0.102      | 1       | 2.15       | 0.014     | 0.2       | 0.1     | 0.07     | 4.7      | 0.1      | 0.0249    | 6        |
| 11TB0690  | 0.4      | 0.1      | 58      | 0.42       | 0.098      | 29       | 34       | 0.73      | 561      | 0.061      | 2       | 1.99       | 0.015     | 0.19      | 0.049   | 0.04     | 5.2      | 0.1      | 0.0249    | 6        |
| 11TB0689  | 0.3      | 0.1      | 40      | 0.27       | 0.065      | 27       | 26       | 0.48      | 508      | 0.051      | 1       | 1.64       | 0.012     | 0.07      | 0.1     | 0.06     | 3.1      | 0.049    | 0.0249    | 6        |
| 11TB0688  | 0.4      | 0.1      | 49      | 0.3        | 0.06       | 19       | 24       | 0.47      | 554      | 0.052      | 2       | 1.5        | 0.012     | 0.05      | 0.1     | 0.07     | 2.8      | 0.1      | 0.0249    | 5        |
| 11TB0687  | 0.4      | 0.1      | 47      | 0.28       | 0.056      | 18       | 23       | 0.43      | 530      | 0.049      | 2       | 1.41       | 0.011     | 0.05      | 0.1     | 0.05     | 2.7      | 0.1      | 0.0249    | 5        |
| 11TB0686  | 0.3      | 0.049    | 48      | 0.68       | 0.093      | 34       | 29       | 0.61      | 697      | 0.073      | 2       | 1.52       | 0.013     | 0.14      | 0.1     | 0.04     | 4        | 0.1      | 0.0249    | 5        |
| 11TB0685  | 0.2      | 0.1      | 56      | 0.42       | 0.093      | 28       | 37       | 0.63      | 632      | 0.071      | 2       | 1.66       | 0.01      | 0.07      | 0.049   | 0.05     | 3.4      | 0.1      | 0.0249    | 6        |
| 11TB0684  | 0.3      | 0.2      | 46      | 0.52       | 0.081      | 50       | 44       | 0.59      | 624      | 0.04       | 2       | 1.56       | 0.013     | 0.05      | 0.049   | 0.05     | 3.8      | 0.1      | 0.0249    | 6        |
| 11TB0683  | 0.5      | 0.049    | 49      | 0.62       | 0.089      | 55       | 21       | 0.65      | 778      | 0.069      | 1       | 1.71       | 0.011     | 0.15      | 0.049   | 0.04     | 3.9      | 0.1      | 0.0249    | 6        |
| 11TB0682  | 0.5      | 0.1      | 46      | 0.76       | 0.096      | 96       | 41       | 0.58      | 944      | 0.024      | 2       | 1.7        | 0.014     | 0.08      | 0.049   | 0.09     | 5.5      | 0.049    | 0.0249    | 5        |
| 11TB0680  | 0.4      | 0.049    | 63      | 0.14       | 0.034      | 9        | 37       | 0.73      | 180      | 0.031      | 0.49    | 2.23       | 0.009     | 0.13      | 0.049   | 0.02     | 4        | 0.1      | 0.0249    | 7        |
| 11TB0679  | 0.3      | 0.049    | 46      | 0.46       | 0.107      | 19       | 45       | 0.91      | 912      | 0.024      | 0.49    | 1.84       | 0.011     | 0.12      | 0.049   | 0.02     | 4.5      | 0.049    | 0.0249    | 6        |
| 11TB0678  | 0.3      | 0.1      | 78      | 0.31       | 0.028      | 13       | 55       | 1.03      | 401      | 0.126      | 0.49    | 2.34       | 0.015     | 0.11      | 0.049   | 0.02     | 5.2      | 0.1      | 0.0249    | 7        |
| 11TB0677  | 0.4      | 0.3      | 46      | 0.14       | 0.023      | 14       | 24       | 0.32      | 173      | 0.047      | 0.49    | 1.5        | 0.008     | 0.08      | 0.1     | 0.01     | 2.2      | 0.1      | 0.05      | 6        |
| 11TB0676  | 0.5      | 0.2      | 57      | 0.2        | 0.021      | 26       | 38       | 0.49      | 305      | 0.048      | 0.49    | 2          | 0.011     | 0.07      | 0.1     | 0.01     | 3.1      | 0.1      | 0.0249    | 6        |
| 11TB0675  | 0.5      | 0.2      | 59      | 0.15       | 0.021      | 8        | 33       | 0.45      | 314      | 0.048      | 0.49    | 1.82       | 0.008     | 0.06      | 0.1     | 0.02     | 2.2      | 0.049    | 0.0249    | 6        |
| 11TB0674  | 2        | 1.1      | 58      | 0.12       | 0.027      | 16       | 27       | 0.35      | 264      | 0.024      | 0.49    | 1.78       | 0.01      | 0.08      | 0.1     | 0.02     | 2.2      | 0.2      | 0.07      | 7        |
| 11TB0673  | 0.8      | 0.2      | 50      | 0.21       | 0.041      | 10       | 29       | 0.65      | 156      | 0.072      | 0.49    | 1.76       | 0.01      | 0.09      | 0.1     | 0.02     | 2.3      | 0.1      | 0.05      | 5        |
| 11TB0672  | 0.3      | 0.2      | 59      | 0.2        | 0.063      | 6        | 20       | 0.89      | 170      | 0.1        | 0.49    | 2.39       | 0.008     | 0.35      | 0.1     | 0.02     | 1.4      | 0.3      | 0.0249    | 8        |
| 11TB0671  | 0.4      | 0.2      | 61      | 0.14       | 0.037      | 10       | 32       | 0.55      | 177      | 0.08       | 0.49    | 2.19       | 0.009     | 0.11      | 0.1     | 0.02     | 2.7      | 0.2      | 0.0249    | 7        |
| 11TB0670  | 0.4      | 0.2      | 57      | 0.16       | 0.041      | 10       | 43       | 0.52      | 141      | 0.031      | 0.49    | 2.7        | 0.012     | 0.05      | 0.049   | 0.02     | 2.9      | 0.1      | 0.06      | 6        |
| 11TB0669  | 0.3      | 0.1      | 53      | 0.24       | 0.067      | 14       | 31       | 0.61      | 222      | 0.058      | 0.49    | 1.83       | 0.009     | 0.17      | 0.1     | 0.02     | 3.5      | 0.1      | 0.0249    | 5        |
| 11TB0668  | 0.3      | 0.1      | 61      | 0.29       | 0.066      | 12       | 42       | 0.71      | 221      | 0.087      | 0.49    | 2.29       | 0.012     | 0.09      | 0.1     | 0.0049   | 3        | 0.2      | 0.0249    | 6        |
| 11TB0667  | 0.3      | 0.1      | 43      | 0.22       | 0.055      | 20       | 30       | 0.48      | 133      | 0.068      | 0.49    | 1.4        | 0.008     | 0.1       | 0.1     | 0.01     | 2.1      | 0.1      | 0.0249    | 5        |
| 11TB0666  | 0.3      | 0.1      | 46      | 0.26       | 0.059      | 21       | 34       | 0.56      | 180      | 0.067      | 0.49    | 1.6        | 0.01      | 0.07      | 0.1     | 0.02     | 2.9      | 0.1      | 0.0249    | 5        |
| 11TB0665  | 0.3      | 0.049    | 51      | 0.34       | 0.075      | 16       | 36       | 0.61      | 223      | 0.06       | 0.49    | 1.67       | 0.01      | 0.05      | 0.049   | 0.0049   | 3.1      | 0.049    | 0.0249    | 5        |
| 11TB0664  | 0.3      | 0.049    | 47      | 0.36       | 0.057      | 24       | 36       | 0.51      | 327      | 0.056      | 0.49    | 1.46       | 0.013     | 0.05      | 0.1     | 0.03     | 4        | 0.049    | 0.0249    | 5        |
| 11TB0663  | 0.3      | 0.1      | 47      | 0.46       | 0.055      | 33       | 35       | 0.59      | 409      | 0.055      | 0.49    | 1.88       | 0.012     | 0.07      | 0.1     | 0.04     | 4.7      | 0.1      | 0.0249    | 6        |
| 11TB0662  | 0.3      | 0.049    | 37      | 0.43       | 0.05       | 21       | 23       | 0.4       | 378      | 0.031      | 0.49    | 1.26       | 0.012     | 0.04      | 0.2     | 0.05     | 3.5      | 0.049    | 0.0249    | 4        |
| 11TB0660  | 0.3      | 0.049    | 30      | 0.57       | 0.05       | 26       | 20       | 0.34      | 487      | 0.016      | 0.49    | 1.1        | 0.01      | 0.06      | 0.1     | 0.04     | 3.1      | 0.049    | 0.07      | 3        |
| 11TB0659  | 0.4      | 0.1      | 50      | 0.3        | 0.054      | 18       | 94       | 0.69      | 294      | 0.065      | 0.49    | 1.63       | 0.008     | 0.05      | 0.049   | 0.02     | 2.8      | 0.049    | 0.0249    | 5        |
| 11TB0658  | 0.2      | 0.1      | 43      | 0.39       | 0.019      | 13       | 20       | 0.31      | 340      | 0.03       | 0.49    | 1.08       | 0.008     | 0.04      | 0.049   | 0.01     | 2        | 0.049    | 0.0249    | 5        |
| 11TB0657  | 0.2      | 0.1      | 45      | 0.43       | 0.025      | 14       | 26       | 0.42      | 569      | 0.044      | 0.49    | 1.25       | 0.01      | 0.07      | 0.049   | 0.01     | 3        | 0.1      | 0.0249    | 5        |
| 11TB0656  | 0.2      | 0.049    | 103     | 0.45       | 0.106      | 6        | 39       | 1.39      | 301      | 0.172      | 0.49    | 2.19       | 0.02      | 0.54      | 0.049   | 0.0049   | 5        | 0.2      | 0.0249    | 11       |
| 11TB0655  | 0.2      | 0.1      | 54      | 0.16       | 0.018      | 9        | 21       | 0.38      | 239      | 0.078      | 0.49    | 1.09       | 0.007     | 0.1       | 0.049   | 0.01     | 2.2      | 0.1      | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0654  | 0.7      | 0.1      | 51      | 0.35       | 0.059      | 10       | 33       | 0.58      | 388      | 0.041      | 0.49    | 1.88       | 0.007     | 0.15      | 0.1     | 0.01     | 5.2      | 0.1      | 0.0249    | 6        |
| 11TB0653  | 0.3      | 0.1      | 50      | 0.11       | 0.016      | 16       | 25       | 0.34      | 242      | 0.042      | 0.49    | 1.51       | 0.006     | 0.04      | 0.1     | 0.02     | 2.2      | 0.1      | 0.0249    | 6        |
| 11TB0652  | 0.2      | 0.049    | 39      | 0.19       | 0.026      | 28       | 24       | 0.41      | 309      | 0.053      | 0.49    | 1.33       | 0.007     | 0.1       | 0.049   | 0.01     | 2.3      | 0.1      | 0.0249    | 5        |
| 11TB0651  | 0.3      | 0.049    | 47      | 0.18       | 0.03       | 19       | 30       | 0.5       | 244      | 0.055      | 0.49    | 1.66       | 0.009     | 0.05      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 5        |
| 11TB0650  | 0.3      | 0.049    | 58      | 0.31       | 0.076      | 19       | 42       | 0.81      | 405      | 0.086      | 1       | 2.01       | 0.011     | 0.18      | 0.049   | 0.01     | 2.9      | 0.1      | 0.0249    | 6        |
| 11TB0648  | 0.3      | 0.1      | 51      | 0.16       | 0.038      | 19       | 30       | 0.51      | 281      | 0.062      | 0.49    | 1.9        | 0.008     | 0.08      | 0.049   | 0.03     | 2.7      | 0.1      | 0.0249    | 6        |
| 11TB0647  | 0.3      | 0.049    | 45      | 0.2        | 0.082      | 27       | 18       | 0.51      | 295      | 0.07       | 0.49    | 1.69       | 0.008     | 0.28      | 0.1     | 0.02     | 3.5      | 0.2      | 0.0249    | 6        |
| 11TB0646  | 0.2      | 0.049    | 56      | 0.43       | 0.084      | 25       | 23       | 0.88      | 576      | 0.126      | 0.49    | 2.01       | 0.013     | 0.36      | 0.049   | 0.0049   | 2.8      | 0.2      | 0.0249    | 7        |
| 11TB0645  | 0.2      | 0.1      | 68      | 0.44       | 0.094      | 25       | 41       | 0.85      | 552      | 0.085      | 0.49    | 2.13       | 0.022     | 0.26      | 0.049   | 0.02     | 4.4      | 0.2      | 0.0249    | 8        |
| 11TB0644  | 0.3      | 0.2      | 63      | 0.14       | 0.033      | 11       | 38       | 0.68      | 219      | 0.067      | 0.49    | 2.36       | 0.008     | 0.13      | 0.049   | 0.0049   | 3.5      | 0.2      | 0.0249    | 7        |
| 11TB0643  | 0.2      | 0.049    | 38      | 0.16       | 0.048      | 36       | 13       | 0.51      | 269      | 0.075      | 0.49    | 1.69       | 0.008     | 0.42      | 0.049   | 0.02     | 3.6      | 0.1      | 0.0249    | 6        |
| 11TB0642  | 0.4      | 0.049    | 51      | 0.13       | 0.026      | 12       | 35       | 0.55      | 266      | 0.024      | 1       | 2.22       | 0.008     | 0.07      | 0.049   | 0.01     | 3.1      | 0.049    | 0.0249    | 5        |
| 11TB0640  | 0.3      | 0.049    | 46      | 0.13       | 0.035      | 28       | 23       | 0.53      | 399      | 0.02       | 0.49    | 1.76       | 0.007     | 0.07      | 0.049   | 0.02     | 3.5      | 0.049    | 0.0249    | 5        |
| 11TB0639  | 0.4      | 0.1      | 61      | 0.16       | 0.025      | 14       | 33       | 0.63      | 314      | 0.045      | 0.49    | 2.38       | 0.009     | 0.06      | 0.049   | 0.04     | 3.7      | 0.1      | 0.0249    | 6        |
| 11TB0638  | 0.3      | 0.1      | 52      | 0.09       | 0.025      | 8        | 29       | 0.5       | 169      | 0.038      | 0.49    | 2.38       | 0.006     | 0.06      | 0.049   | 0.03     | 2.5      | 0.1      | 0.0249    | 6        |
| 11TB0637  | 0.3      | 0.1      | 54      | 0.11       | 0.038      | 10       | 29       | 0.43      | 126      | 0.039      | 1       | 1.65       | 0.007     | 0.04      | 0.1     | 0.03     | 2.1      | 0.049    | 0.0249    | 6        |
| 11TB0636  | 0.2      | 0.049    | 46      | 0.32       | 0.068      | 21       | 22       | 0.51      | 331      | 0.061      | 0.49    | 1.53       | 0.009     | 0.16      | 0.049   | 0.02     | 2.9      | 0.1      | 0.0249    | 5        |
| 11TB0635  | 0.1      | 0.2      | 38      | 0.21       | 0.03       | 8        | 15       | 0.31      | 193      | 0.06       | 0.49    | 1.21       | 0.009     | 0.11      | 0.049   | 0.02     | 1.8      | 0.1      | 0.0249    | 6        |
| 11TB0634  | 0.2      | 0.3      | 64      | 0.24       | 0.039      | 9        | 19       | 0.66      | 200      | 0.125      | 1       | 1.88       | 0.011     | 0.25      | 0.1     | 0.04     | 3.1      | 0.2      | 0.0249    | 7        |
| 11TB0633  | 0.3      | 0.2      | 48      | 0.21       | 0.039      | 9        | 25       | 0.5       | 163      | 0.066      | 1       | 1.68       | 0.009     | 0.06      | 0.1     | 0.02     | 2.4      | 0.049    | 0.0249    | 5        |
| 11TB0632  | 0.3      | 0.2      | 47      | 0.19       | 0.036      | 9        | 24       | 0.47      | 155      | 0.063      | 0.49    | 1.51       | 0.009     | 0.06      | 0.1     | 0.03     | 2.3      | 0.049    | 0.0249    | 5        |
| 11TB0631  | 0.3      | 0.2      | 54      | 0.24       | 0.035      | 9        | 26       | 0.51      | 197      | 0.069      | 1       | 1.73       | 0.01      | 0.09      | 0.1     | 0.0049   | 2.4      | 0.1      | 0.0249    | 6        |
| 11TB0630  | 0.3      | 0.2      | 43      | 0.22       | 0.037      | 11       | 23       | 0.45      | 179      | 0.052      | 1       | 1.45       | 0.008     | 0.06      | 0.049   | 0.0049   | 2        | 0.049    | 0.0249    | 5        |
| 11TB0629  | 0.3      | 0.2      | 57      | 0.36       | 0.057      | 30       | 75       | 1.21      | 458      | 0.055      | 1       | 2.16       | 0.014     | 0.06      | 0.049   | 0.02     | 3.4      | 0.1      | 0.0249    | 6        |
| 11TB0628  | 0.3      | 0.3      | 46      | 0.13       | 0.037      | 20       | 24       | 0.31      | 214      | 0.037      | 2       | 1.54       | 0.008     | 0.05      | 0.1     | 0.04     | 1.7      | 0.049    | 0.0249    | 6        |
| 11TB0627  | 0.3      | 0.3      | 37      | 0.19       | 0.04       | 10       | 26       | 0.44      | 136      | 0.041      | 2       | 1.3        | 0.009     | 0.05      | 0.2     | 0.03     | 1.7      | 0.049    | 0.0249    | 5        |
| 11TB0626  | 0.3      | 0.2      | 36      | 0.17       | 0.044      | 12       | 24       | 0.38      | 133      | 0.035      | 2       | 1.36       | 0.008     | 0.04      | 0.1     | 0.04     | 1.6      | 0.1      | 0.0249    | 4        |
| 11TB0625  | 0.3      | 0.3      | 43      | 0.22       | 0.053      | 13       | 25       | 0.4       | 120      | 0.057      | 1       | 1.48       | 0.013     | 0.05      | 0.2     | 0.04     | 2.4      | 0.1      | 0.0249    | 5        |
| 11TB0624  | 0.4      | 0.2      | 52      | 0.25       | 0.061      | 13       | 26       | 0.44      | 120      | 0.06       | 2       | 1.52       | 0.015     | 0.06      | 0.2     | 0.03     | 2.6      | 0.049    | 0.0249    | 5        |
| 11TB0623  | 0.4      | 0.2      | 34      | 0.24       | 0.053      | 10       | 21       | 0.36      | 107      | 0.056      | 2       | 1.18       | 0.015     | 0.05      | 0.1     | 0.03     | 1.9      | 0.1      | 0.0249    | 5        |
| 11TB0622  | 0.3      | 0.3      | 29      | 0.21       | 0.058      | 10       | 18       | 0.29      | 99       | 0.039      | 0.49    | 1.04       | 0.013     | 0.04      | 0.2     | 0.04     | 1.6      | 0.049    | 0.0249    | 4        |
| 11TB0620  | 0.4      | 0.2      | 57      | 0.35       | 0.037      | 22       | 33       | 0.52      | 743      | 0.058      | 2       | 1.87       | 0.013     | 0.07      | 0.1     | 0.03     | 4.1      | 0.049    | 0.0249    | 6        |
| 11TB0619  | 0.4      | 0.2      | 55      | 0.33       | 0.04       | 21       | 29       | 0.53      | 519      | 0.063      | 1       | 1.78       | 0.014     | 0.08      | 0.049   | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11TB0618  | 0.4      | 0.1      | 58      | 0.36       | 0.043      | 18       | 34       | 0.57      | 480      | 0.061      | 0.49    | 1.91       | 0.013     | 0.07      | 0.049   | 0.01     | 3.7      | 0.049    | 0.0249    | 6        |
| 11TB0617  | 0.4      | 0.2      | 52      | 0.37       | 0.039      | 26       | 26       | 0.45      | 577      | 0.056      | 1       | 1.59       | 0.011     | 0.08      | 0.049   | 0.02     | 3.7      | 0.049    | 0.0249    | 5        |
| 11TB0616  | 0.3      | 0.2      | 63      | 0.36       | 0.054      | 23       | 32       | 0.55      | 537      | 0.067      | 0.49    | 1.89       | 0.014     | 0.1       | 0.049   | 0.01     | 4.3      | 0.1      | 0.0249    | 6        |
| 11TB0615  | 0.3      | 0.1      | 59      | 0.43       | 0.057      | 26       | 31       | 0.6       | 532      | 0.05       | 0.49    | 1.75       | 0.017     | 0.06      | 0.1     | 0.03     | 6.3      | 0.049    | 0.0249    | 6        |
| 11TB0614  | 0.3      | 0.1      | 48      | 0.49       | 0.073      | 28       | 32       | 0.49      | 431      | 0.06       | 0.49    | 1.47       | 0.015     | 0.07      | 0.1     | 0.04     | 4.1      | 0.049    | 0.0249    | 5        |
| 11TB0613  | 0.3      | 0.1      | 54      | 0.52       | 0.083      | 38       | 28       | 0.45      | 473      | 0.051      | 0.49    | 1.45       | 0.013     | 0.08      | 0.1     | 0.06     | 3.8      | 0.049    | 0.0249    | 6        |
| 11TB0612  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11TB0611  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11TB0610  | 0.2      | 0.049    | 41      | 0.73       | 0.126      | 20       | 24       | 0.51      | 437      | 0.056      | 0.49    | 1.22       | 0.025     | 0.08      | 0.2     | 0.03     | 3.9      | 0.049    | 0.0249    | 4        |
| 11TB0609  | 0.2      | 0.049    | 53      | 0.62       | 0.065      | 7        | 47       | 0.97      | 468      | 0.088      | 0.49    | 2.1        | 0.029     | 0.07      | 0.049   | 0.01     | 4.7      | 0.049    | 0.0249    | 5        |
| 11TB0608  | 0.4      | 0.1      | 84      | 0.49       | 0.099      | 16       | 61       | 1.01      | 515      | 0.035      | 0.49    | 2.41       | 0.016     | 0.08      | 0.049   | 0.01     | 8.9      | 0.049    | 0.0249    | 7        |
| 11TB0607  | 0.4      | 0.2      | 60      | 0.44       | 0.105      | 51       | 90       | 1.12      | 503      | 0.067      | 0.49    | 2.33       | 0.011     | 0.11      | 0.049   | 0.0049   | 6.4      | 0.1      | 0.0249    | 8        |
| 11TB0606  | 0.7      | 0.2      | 66      | 0.14       | 0.044      | 15       | 44       | 0.55      | 225      | 0.053      | 1       | 2.35       | 0.01      | 0.06      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0605  | 0.5      | 0.1      | 60      | 0.29       | 0.048      | 27       | 43       | 0.55      | 620      | 0.057      | 0.49    | 1.92       | 0.012     | 0.08      | 0.049   | 0.02     | 5.7      | 0.049    | 0.0249    | 6        |
| 11TB0604  | 0.4      | 0.1      | 60      | 0.26       | 0.045      | 20       | 35       | 0.63      | 237      | 0.089      | 1       | 2.02       | 0.014     | 0.07      | 0.1     | 0.02     | 4.4      | 0.1      | 0.0249    | 6        |
| 11TB0603  | 0.5      | 0.1      | 64      | 0.17       | 0.032      | 12       | 38       | 0.63      | 185      | 0.087      | 1       | 2.39       | 0.012     | 0.08      | 0.1     | 0.03     | 3.8      | 0.049    | 0.0249    | 6        |
| 11TB0602  | 0.4      | 0.1      | 61      | 0.13       | 0.047      | 16       | 39       | 0.59      | 205      | 0.076      | 0.49    | 2.04       | 0.008     | 0.12      | 0.1     | 0.02     | 4.1      | 0.049    | 0.0249    | 7        |
| 11TB0600  | 0.5      | 0.1      | 59      | 0.13       | 0.04       | 11       | 38       | 0.62      | 167      | 0.078      | 0.49    | 2.69       | 0.009     | 0.13      | 0.049   | 0.02     | 3.6      | 0.049    | 0.0249    | 7        |
| 11TB0599  | 0.4      | 0.1      | 50      | 0.17       | 0.052      | 16       | 19       | 0.52      | 215      | 0.067      | 0.49    | 2.1        | 0.009     | 0.2       | 0.049   | 0.02     | 2.6      | 0.1      | 0.0249    | 8        |
| 11TB0598  | 0.4      | 0.2      | 56      | 0.15       | 0.05       | 25       | 38       | 0.65      | 216      | 0.078      | 1       | 2.28       | 0.011     | 0.14      | 0.049   | 0.03     | 4.1      | 0.1      | 0.0249    | 6        |
| 11TB0597  | 0.3      | 0.2      | 76      | 0.17       | 0.049      | 7        | 21       | 0.49      | 115      | 0.095      | 0.49    | 1.75       | 0.01      | 0.08      | 0.049   | 0.03     | 2.6      | 0.1      | 0.0249    | 8        |
| 11TB0596  | 0.2      | 0.2      | 64      | 0.25       | 0.052      | 9        | 20       | 0.72      | 146      | 0.119      | 2       | 1.6        | 0.016     | 0.16      | 0.049   | 0.02     | 2.9      | 0.2      | 0.0249    | 7        |
| 11TB0595  | 0.2      | 0.3      | 48      | 0.35       | 0.037      | 8        | 17       | 0.48      | 114      | 0.08       | 1       | 1.23       | 0.014     | 0.06      | 0.2     | 0.02     | 2.9      | 0.1      | 0.0249    | 5        |
| 11TB0594  | 0.8      | 0.7      | 55      | 0.38       | 0.058      | 12       | 23       | 0.61      | 233      | 0.09       | 6       | 1.59       | 0.015     | 0.08      | 0.2     | 0.04     | 4        | 0.1      | 0.0249    | 6        |
| 11TB0593  | 0.4      | 0.2      | 101     | 0.64       | 0.094      | 12       | 32       | 1.43      | 312      | 0.187      | 0.49    | 2.35       | 0.022     | 0.49      | 0.1     | 0.01     | 6.2      | 0.3      | 0.0249    | 8        |
| 11TB0592  | 0.2      | 0.6      | 50      | 0.33       | 0.061      | 20       | 23       | 0.71      | 220      | 0.108      | 0.49    | 1.66       | 0.013     | 0.2       | 0.2     | 0.04     | 3.5      | 0.3      | 0.0249    | 6        |
| 11TB0591  | 0.6      | 0.9      | 44      | 0.35       | 0.063      | 18       | 13       | 0.58      | 403      | 0.078      | 0.49    | 1.68       | 0.009     | 0.46      | 0.1     | 0.02     | 4        | 0.3      | 0.0249    | 6        |
| 11TB0590  | 0.5      | 1.6      | 33      | 0.22       | 0.05       | 25       | 13       | 0.27      | 789      | 0.014      | 0.49    | 1.43       | 0.008     | 0.17      | 0.1     | 0.02     | 2.8      | 0.1      | 0.0249    | 5        |
| 11TB0589  | 0.2      | 0.2      | 24      | 0.18       | 0.021      | 40       | 15       | 0.22      | 283      | 0.007      | 0.49    | 1.73       | 0.007     | 0.08      | 0.049   | 0.02     | 2.3      | 0.1      | 0.0249    | 4        |
| 11TB0588  | 0.3      | 0.1      | 45      | 0.28       | 0.041      | 22       | 22       | 0.41      | 263      | 0.048      | 1       | 1.36       | 0.009     | 0.09      | 0.1     | 0.02     | 2.6      | 0.049    | 0.0249    | 5        |
| 11TB0587  | 0.1      | 0.049    | 73      | 0.61       | 0.108      | 13       | 17       | 0.64      | 270      | 0.08       | 0.49    | 2.39       | 0.038     | 0.1       | 0.049   | 0.02     | 7.2      | 0.049    | 0.0249    | 6        |
| 11TB0586  | 0.1      | 0.049    | 40      | 0.64       | 0.119      | 5        | 15       | 0.51      | 148      | 0.048      | 0.49    | 1.65       | 0.057     | 0.04      | 0.049   | 0.01     | 3        | 0.049    | 0.0249    | 4        |
| 11TB0585  | 0.2      | 0.049    | 53      | 0.5        | 0.086      | 7        | 29       | 0.69      | 168      | 0.066      | 0.49    | 1.86       | 0.025     | 0.08      | 0.049   | 0.0049   | 3.9      | 0.049    | 0.0249    | 5        |
| 11TB0584  | 0.2      | 0.049    | 63      | 0.39       | 0.034      | 7        | 36       | 0.85      | 201      | 0.075      | 0.49    | 2.17       | 0.024     | 0.05      | 0.049   | 0.02     | 3.8      | 0.049    | 0.0249    | 5        |
| 11TB0583  | 0.4      | 0.1      | 45      | 0.31       | 0.036      | 23       | 26       | 0.41      | 441      | 0.025      | 0.49    | 1.62       | 0.01      | 0.08      | 0.049   | 0.01     | 4.6      | 0.049    | 0.0249    | 4        |
| 11TB0582  | 0.2      | 0.049    | 70      | 0.53       | 0.046      | 13       | 43       | 0.98      | 427      | 0.067      | 0.49    | 2.05       | 0.018     | 0.07      | 0.049   | 0.02     | 5.6      | 0.049    | 0.0249    | 6        |
| 11TB0580  | 0.3      | 0.049    | 63      | 0.22       | 0.046      | 26       | 21       | 0.75      | 265      | 0.107      | 0.49    | 2.3        | 0.012     | 0.27      | 0.049   | 0.02     | 4.4      | 0.1      | 0.0249    | 7        |
| 11TB0579  | 0.4      | 0.1      | 83      | 0.18       | 0.048      | 8        | 27       | 0.78      | 236      | 0.131      | 0.49    | 2.43       | 0.009     | 0.29      | 0.049   | 0.02     | 3.2      | 0.2      | 0.0249    | 8        |
| 11TB0578  | 0.5      | 0.2      | 70      | 0.14       | 0.064      | 10       | 34       | 0.58      | 213      | 0.082      | 1       | 2.43       | 0.012     | 0.11      | 0.1     | 0.03     | 3        | 0.1      | 0.0249    | 7        |
| 11TB0577  | 0.4      | 0.1      | 58      | 0.09       | 0.045      | 14       | 17       | 0.31      | 155      | 0.034      | 0.49    | 1.77       | 0.008     | 0.14      | 0.049   | 0.0049   | 3.2      | 0.1      | 0.0249    | 8        |
| 11TB0576  | 0.2      | 0.049    | 79      | 0.89       | 0.363      | 10       | 124      | 1.85      | 236      | 0.159      | 0.49    | 2.56       | 0.021     | 0.61      | 0.1     | 0.01     | 2.7      | 0.4      | 0.0249    | 9        |
| 11TB0575  | 0.9      | 0.2      | 62      | 0.18       | 0.035      | 17       | 38       | 0.48      | 316      | 0.051      | 2       | 2.68       | 0.01      | 0.08      | 0.1     | 0.07     | 4.2      | 0.1      | 0.0249    | 6        |
| 11TB0574  | 0.5      | 0.1      | 52      | 0.19       | 0.039      | 20       | 34       | 0.55      | 252      | 0.043      | 0.49    | 2.27       | 0.008     | 0.07      | 0.1     | 0.03     | 3.5      | 0.1      | 0.0249    | 6        |
| 11TB0573  | 0.4      | 0.049    | 69      | 0.38       | 0.064      | 25       | 39       | 0.81      | 304      | 0.015      | 0.49    | 2.63       | 0.01      | 0.1       | 0.049   | 0.02     | 8.2      | 0.1      | 0.0249    | 7        |
| 11TB0572  | 0.3      | 0.1      | 66      | 0.22       | 0.026      | 17       | 41       | 0.6       | 295      | 0.044      | 0.49    | 2.29       | 0.01      | 0.06      | 0.049   | 0.02     | 4.8      | 0.1      | 0.0249    | 7        |
| 11TB0571  | 0.3      | 0.2      | 68      | 0.22       | 0.041      | 11       | 33       | 0.49      | 257      | 0.063      | 0.49    | 1.92       | 0.014     | 0.04      | 0.049   | 0.02     | 2.9      | 0.1      | 0.0249    | 7        |
| 11TB0570  | 0.4      | 0.2      | 75      | 0.21       | 0.033      | 11       | 35       | 0.67      | 218      | 0.072      | 0.49    | 2.27       | 0.012     | 0.08      | 0.1     | 0.02     | 4.3      | 0.1      | 0.0249    | 7        |
| 11TB0569  | 0.049    | 0.049    | 48      | 0.62       | 0.085      | 6        | 17       | 0.63      | 164      | 0.083      | 0.49    | 1.67       | 0.029     | 0.05      | 0.049   | 0.0049   | 5        | 0.049    | 0.0249    | 3        |
| 11TB0568  | 0.2      | 0.1      | 56      | 0.57       | 0.092      | 18       | 32       | 0.62      | 401      | 0.06       | 0.49    | 1.83       | 0.018     | 0.05      | 0.1     | 0.04     | 5.1      | 0.049    | 0.0249    | 5        |
| 11TB0567  | 0.2      | 0.1      | 59      | 0.31       | 0.042      | 11       | 27       | 0.57      | 218      | 0.068      | 0.49    | 1.85       | 0.014     | 0.06      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |
| 11TB0566  | 0.3      | 0.2      | 39      | 0.3        | 0.054      | 24       | 25       | 0.3       | 451      | 0.036      | 0.49    | 1.5        | 0.009     | 0.1       | 0.1     | 0.04     | 3        | 0.049    | 0.0249    | 5        |
| 11TB0565  | 0.3      | 0.2      | 53      | 0.26       | 0.032      | 17       | 28       | 0.4       | 322      | 0.071      | 0.49    | 1.71       | 0.009     | 0.07      | 0.049   | 0.02     | 3        | 0.049    | 0.0249    | 6        |
| 11TB0564  | 0.4      | 0.1      | 52      | 0.17       | 0.056      | 21       | 35       | 0.52      | 313      | 0.05       | 0.49    | 2.28       | 0.009     | 0.23      | 0.1     | 0.02     | 4.2      | 0.1      | 0.0249    | 6        |
| 11TB0563  | 0.3      | 0.2      | 53      | 0.54       | 0.045      | 19       | 25       | 0.54      | 816      | 0.046      | 0.49    | 1.68       | 0.012     | 0.11      | 0.1     | 0.04     | 3.8      | 0.1      | 0.0249    | 5        |
| 11TB0562  | 0.1      | 0.049    | 72      | 0.56       | 0.067      | 15       | 15       | 0.87      | 374      | 0.134      | 0.49    | 2.36       | 0.015     | 0.33      | 0.049   | 0.03     | 3.9      | 0.2      | 0.0249    | 7        |
| 11TB0560  | 0.2      | 0.049    | 60      | 0.52       | 0.081      | 12       | 20       | 0.75      | 217      | 0.118      | 0.49    | 1.94       | 0.016     | 0.24      | 0.049   | 0.02     | 4.1      | 0.2      | 0.0249    | 7        |
| 11TB0559  | 0.2      | 0.1      | 47      | 0.67       | 0.095      | 15       | 19       | 0.61      | 320      | 0.068      | 0.49    | 1.54       | 0.019     | 0.15      | 0.1     | 0.03     | 3.8      | 0.1      | 0.0249    | 4        |
| 11TB0558  | 0.2      | 0.2      | 58      | 0.3        | 0.053      | 10       | 22       | 0.63      | 219      | 0.097      | 1       | 1.65       | 0.012     | 0.14      | 0.1     | 0.03     | 2.8      | 0.2      | 0.0249    | 7        |
| 11TB0557  | 0.2      | 0.1      | 27      | 0.28       | 0.043      | 9        | 18       | 0.27      | 107      | 0.049      | 0.49    | 1          | 0.012     | 0.06      | 0.049   | 0.03     | 1.7      | 0.1      | 0.07      | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0556  | 0.2      | 0.1      | 46      | 0.57       | 0.069      | 11       | 19       | 0.66      | 166      | 0.1        | 0.49    | 1.79       | 0.027     | 0.14      | 0.1     | 0.04     | 2.7      | 0.2      | 0.06      | 5        |
| 11TB0555  | 0.3      | 0.1      | 50      | 0.61       | 0.073      | 46       | 23       | 0.65      | 372      | 0.065      | 1       | 1.79       | 0.011     | 0.25      | 0.1     | 0.06     | 5.8      | 0.2      | 0.0249    | 6        |
| 11TB0554  | 0.1      | 0.1      | 62      | 0.32       | 0.05       | 26       | 22       | 1.03      | 267      | 0.141      | 0.49    | 2.04       | 0.01      | 0.66      | 0.049   | 0.03     | 6.4      | 0.4      | 0.0249    | 8        |
| 11TB0553  | 0.2      | 0.049    | 73      | 0.36       | 0.028      | 11       | 29       | 1.06      | 214      | 0.172      | 0.49    | 2.09       | 0.015     | 0.28      | 0.1     | 0.02     | 2.8      | 0.2      | 0.0249    | 6        |
| 11TB0552  | 0.2      | 0.049    | 55      | 0.3        | 0.056      | 8        | 17       | 0.65      | 214      | 0.144      | 0.49    | 1.93       | 0.014     | 0.26      | 0.1     | 0.01     | 2.4      | 0.2      | 0.0249    | 7        |
| 11TB0551  | 0.2      | 0.1      | 40      | 0.66       | 0.075      | 22       | 17       | 0.55      | 309      | 0.068      | 0.49    | 1.73       | 0.016     | 0.18      | 0.1     | 0.04     | 3.6      | 0.2      | 0.0249    | 5        |
| 11TB0550  | 0.2      | 0.049    | 68      | 0.52       | 0.097      | 9        | 12       | 0.88      | 251      | 0.181      | 0.49    | 2.11       | 0.029     | 0.44      | 0.049   | 0.01     | 3.1      | 0.4      | 0.0249    | 6        |
| 11TB0549  | 0.3      | 0.2      | 63      | 0.91       | 0.061      | 21       | 19       | 0.7       | 560      | 0.096      | 0.49    | 1.95       | 0.017     | 0.13      | 0.1     | 0.05     | 5.1      | 0.1      | 0.0249    | 6        |
| 11TB0548  | 0.7      | 0.2      | 64      | 0.26       | 0.05       | 15       | 27       | 0.55      | 310      | 0.043      | 0.49    | 2.13       | 0.01      | 0.13      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 7        |
| 11TB0547  | 0.3      | 0.1      | 46      | 0.31       | 0.045      | 26       | 23       | 0.39      | 517      | 0.041      | 0.49    | 1.48       | 0.011     | 0.12      | 0.049   | 0.02     | 3.3      | 0.049    | 0.0249    | 5        |
| 11TB0546  | 0.5      | 0.2      | 65      | 0.24       | 0.033      | 21       | 42       | 0.58      | 363      | 0.074      | 0.49    | 2.04       | 0.012     | 0.07      | 0.1     | 0.02     | 4.8      | 0.1      | 0.0249    | 6        |
| 11TB0545  | 0.4      | 0.2      | 53      | 0.27       | 0.049      | 25       | 31       | 0.48      | 348      | 0.076      | 0.49    | 1.58       | 0.01      | 0.08      | 0.1     | 0.02     | 4        | 0.1      | 0.0249    | 6        |
| 11TB0544  | 0.4      | 0.2      | 56      | 0.36       | 0.035      | 19       | 34       | 0.53      | 302      | 0.074      | 0.49    | 1.73       | 0.013     | 0.05      | 0.1     | 0.02     | 4.4      | 0.049    | 0.0249    | 5        |
| 11TB0543  | 0.4      | 0.1      | 39      | 0.87       | 0.061      | 34       | 23       | 0.49      | 677      | 0.056      | 2       | 1.59       | 0.015     | 0.13      | 0.1     | 0.05     | 4.8      | 0.1      | 0.0249    | 5        |
| 11TB0542  | 0.4      | 0.2      | 49      | 0.45       | 0.054      | 41       | 34       | 0.58      | 780      | 0.061      | 1       | 1.82       | 0.013     | 0.09      | 0.1     | 0.05     | 6.2      | 0.1      | 0.0249    | 6        |
| 11TB0540  | 0.5      | 0.2      | 54      | 0.2        | 0.029      | 31       | 39       | 0.58      | 409      | 0.056      | 0.49    | 1.96       | 0.01      | 0.08      | 0.049   | 0.03     | 5.1      | 0.1      | 0.0249    | 6        |
| 11TB0539  | 0.5      | 0.2      | 62      | 0.25       | 0.047      | 33       | 81       | 0.76      | 354      | 0.057      | 0.49    | 2.24       | 0.011     | 0.08      | 0.049   | 0.03     | 5.4      | 0.1      | 0.0249    | 7        |
| 11TB0538  | 0.5      | 0.2      | 75      | 0.14       | 0.034      | 19       | 46       | 0.63      | 285      | 0.082      | 0.49    | 2.5        | 0.01      | 0.07      | 0.1     | 0.03     | 4        | 0.1      | 0.0249    | 8        |
| 11TB0537  | 0.8      | 0.1      | 54      | 0.34       | 0.116      | 30       | 44       | 0.42      | 437      | 0.036      | 0.49    | 1.65       | 0.01      | 0.05      | 0.1     | 0.02     | 8.3      | 0.049    | 0.0249    | 5        |
| 11TB0536  | 0.3      | 0.1      | 58      | 0.68       | 0.092      | 28       | 29       | 0.61      | 490      | 0.05       | 0.49    | 1.96       | 0.015     | 0.06      | 0.1     | 0.05     | 4        | 0.1      | 0.0249    | 7        |
| 11TB0535  | 0.2      | 0.049    | 77      | 0.59       | 0.126      | 8        | 106      | 1.38      | 196      | 0.162      | 0.49    | 1.6        | 0.018     | 0.2       | 0.1     | 0.01     | 3        | 0.2      | 0.0249    | 7        |
| 11TB0534  | 0.5      | 0.1      | 64      | 0.35       | 0.052      | 11       | 36       | 0.58      | 265      | 0.019      | 0.49    | 1.83       | 0.012     | 0.07      | 0.049   | 0.02     | 9.1      | 0.049    | 0.0249    | 5        |
| 11TB0533  | 0.4      | 0.2      | 69      | 0.18       | 0.041      | 13       | 39       | 0.59      | 213      | 0.058      | 0.49    | 2.14       | 0.011     | 0.05      | 0.1     | 0.03     | 4.2      | 0.049    | 0.0249    | 7        |
| 11TB0532  | 0.5      | 0.2      | 64      | 0.14       | 0.032      | 24       | 39       | 0.49      | 237      | 0.066      | 0.49    | 2.34       | 0.01      | 0.05      | 0.2     | 0.06     | 5.2      | 0.1      | 0.0249    | 7        |
| 11TB0531  | 0.4      | 0.1      | 40      | 0.08       | 0.027      | 10       | 21       | 0.35      | 176      | 0.033      | 0.49    | 2.18       | 0.007     | 0.1       | 0.049   | 0.02     | 3.4      | 0.1      | 0.0249    | 6        |
| 11TB0530  | 0.6      | 0.2      | 68      | 0.1        | 0.037      | 15       | 32       | 0.4       | 148      | 0.06       | 0.49    | 1.9        | 0.008     | 0.07      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 8        |
| 11TB0529  | 0.7      | 0.2      | 57      | 0.22       | 0.033      | 23       | 36       | 0.49      | 490      | 0.044      | 1       | 2.09       | 0.011     | 0.06      | 0.1     | 0.03     | 5.3      | 0.1      | 0.0249    | 6        |
| 11TB0528  | 0.8      | 0.2      | 63      | 0.15       | 0.034      | 15       | 29       | 0.47      | 191      | 0.071      | 0.49    | 1.79       | 0.009     | 0.1       | 0.1     | 0.02     | 3.7      | 0.3      | 0.0249    | 6        |
| 11TB0527  | 0.6      | 0.2      | 65      | 0.11       | 0.021      | 12       | 34       | 0.46      | 193      | 0.062      | 0.49    | 2.14       | 0.01      | 0.07      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 7        |
| 11TB0526  | 0.5      | 0.2      | 66      | 0.16       | 0.031      | 16       | 49       | 0.55      | 233      | 0.054      | 0.49    | 2.21       | 0.009     | 0.06      | 0.1     | 0.03     | 4        | 0.1      | 0.0249    | 7        |
| 11TB0525  | 0.6      | 0.2      | 68      | 0.15       | 0.035      | 17       | 38       | 0.55      | 248      | 0.068      | 0.49    | 2.33       | 0.009     | 0.07      | 0.1     | 0.03     | 4.2      | 0.1      | 0.0249    | 7        |
| 11TB0524  | 0.5      | 0.2      | 68      | 0.13       | 0.03       | 13       | 34       | 0.49      | 199      | 0.069      | 0.49    | 2.21       | 0.009     | 0.07      | 0.2     | 0.02     | 3.9      | 0.1      | 0.0249    | 7        |
| 11TB0523  | 0.5      | 0.2      | 68      | 0.11       | 0.086      | 13       | 44       | 0.48      | 209      | 0.045      | 0.49    | 2.11       | 0.009     | 0.08      | 0.1     | 0.04     | 4.3      | 0.049    | 0.0249    | 7        |
| 11TB0522  | 0.4      | 0.2      | 58      | 0.16       | 0.036      | 29       | 25       | 0.41      | 244      | 0.047      | 0.49    | 1.69       | 0.009     | 0.06      | 0.2     | 0.03     | 2.8      | 0.049    | 0.0249    | 7        |
| 11TB0521  | 0.6      | 0.2      | 60      | 0.17       | 0.016      | 22       | 37       | 0.58      | 207      | 0.077      | 0.49    | 1.92       | 0.012     | 0.06      | 0.1     | 0.02     | 5.1      | 0.049    | 0.0249    | 5        |
| 11TB0520  | 0.6      | 0.2      | 65      | 0.14       | 0.033      | 11       | 30       | 0.46      | 175      | 0.049      | 0.49    | 2          | 0.009     | 0.08      | 0.1     | 0.03     | 3        | 0.049    | 0.0249    | 7        |
| 11TB0519  | 0.5      | 0.2      | 53      | 0.16       | 0.032      | 18       | 34       | 0.48      | 269      | 0.049      | 0.49    | 1.62       | 0.01      | 0.07      | 0.1     | 0.03     | 3.3      | 0.049    | 0.0249    | 6        |
| 11TB0518  | 0.5      | 0.2      | 40      | 0.15       | 0.032      | 22       | 23       | 0.34      | 318      | 0.024      | 1       | 1.73       | 0.01      | 0.09      | 0.1     | 0.02     | 2.8      | 0.049    | 0.0249    | 5        |
| 11TB0517  | 0.6      | 0.2      | 53      | 0.24       | 0.023      | 14       | 31       | 0.48      | 412      | 0.039      | 0.49    | 2.21       | 0.012     | 0.08      | 0.1     | 0.05     | 3.6      | 0.049    | 0.0249    | 5        |
| 11TB0516  | 0.5      | 0.6      | 36      | 0.14       | 0.029      | 27       | 15       | 0.22      | 442      | 0.038      | 0.49    | 1.07       | 0.009     | 0.11      | 0.049   | 0.02     | 2.1      | 0.1      | 0.0249    | 4        |
| 11TB0515  | 0.4      | 0.2      | 63      | 0.18       | 0.038      | 16       | 24       | 0.56      | 349      | 0.057      | 0.49    | 1.95       | 0.009     | 0.11      | 0.1     | 0.02     | 4.2      | 0.1      | 0.0249    | 7        |
| 11TB0514  | 0.4      | 0.2      | 70      | 0.19       | 0.025      | 12       | 30       | 0.73      | 218      | 0.085      | 4       | 2.44       | 0.011     | 0.07      | 0.1     | 0.02     | 4.9      | 0.1      | 0.0249    | 7        |
| 11TB0513  | 0.4      | 0.1      | 77      | 0.25       | 0.031      | 9        | 39       | 0.72      | 201      | 0.151      | 0.49    | 2.2        | 0.013     | 0.09      | 0.1     | 0.03     | 3.5      | 0.1      | 0.0249    | 8        |
| 11TB0512  | 0.3      | 0.1      | 83      | 0.24       | 0.032      | 6        | 53       | 0.95      | 180      | 0.135      | 0.49    | 2.6        | 0.015     | 0.08      | 0.2     | 0.02     | 4.1      | 0.1      | 0.0249    | 8        |
| 11TB0511  | 0.2      | 0.049    | 62      | 0.4        | 0.028      | 14       | 33       | 0.82      | 230      | 0.11       | 0.49    | 1.88       | 0.017     | 0.08      | 0.049   | 0.02     | 4.3      | 0.1      | 0.0249    | 6        |
| 11TB0510  | 0.4      | 0.1      | 58      | 0.21       | 0.028      | 13       | 33       | 0.57      | 205      | 0.076      | 0.49    | 1.86       | 0.013     | 0.05      | 0.1     | 0.02     | 4.4      | 0.049    | 0.0249    | 5        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0509  | 0.5      | 0.2      | 68      | 0.15       | 0.047      | 11       | 27       | 0.53      | 191      | 0.082      | 0.49    | 1.88       | 0.009     | 0.11      | 0.1     | 0.02     | 3.1      | 0.1      | 0.0249    | 8        |
| 11TB0508  | 0.4      | 0.1      | 78      | 0.14       | 0.029      | 11       | 26       | 0.78      | 189      | 0.14       | 0.49    | 2.07       | 0.011     | 0.2       | 0.1     | 0.03     | 4.6      | 0.2      | 0.0249    | 8        |
| 11TB0507  | 0.3      | 0.1      | 65      | 0.36       | 0.044      | 29       | 43       | 0.96      | 363      | 0.12       | 0.49    | 1.92       | 0.017     | 0.13      | 0.1     | 0.03     | 5.2      | 0.1      | 0.0249    | 6        |
| 11TB0506  | 0.3      | 0.1      | 49      | 0.19       | 0.037      | 19       | 22       | 0.61      | 241      | 0.111      | 0.49    | 1.73       | 0.01      | 0.2       | 0.1     | 0.01     | 4.4      | 0.1      | 0.0249    | 6        |
| 11TB0505  | 0.4      | 0.1      | 64      | 0.2        | 0.031      | 14       | 30       | 0.72      | 220      | 0.123      | 0.49    | 2.13       | 0.01      | 0.17      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 7        |
| 11TB0504  | 0.4      | 0.1      | 58      | 0.18       | 0.029      | 19       | 28       | 0.73      | 262      | 0.125      | 0.49    | 2.08       | 0.012     | 0.2       | 0.1     | 0.02     | 4.9      | 0.1      | 0.0249    | 7        |
| 11TB0503  | 0.2      | 0.1      | 52      | 0.28       | 0.099      | 11       | 19       | 0.61      | 291      | 0.143      | 0.49    | 1.4        | 0.009     | 0.4       | 0.1     | 0.01     | 3.8      | 0.2      | 0.0249    | 7        |
| 11TB0502  | 0.3      | 0.049    | 27      | 0.06       | 0.021      | 21       | 12       | 0.46      | 173      | 0.159      | 0.49    | 1.72       | 0.008     | 0.51      | 0.049   | 0.01     | 4.8      | 0.2      | 0.0249    | 7        |
| 11TB0500  | 0.3      | 0.049    | 26      | 0.07       | 0.027      | 21       | 12       | 0.33      | 166      | 0.015      | 0.49    | 1.85       | 0.006     | 0.18      | 0.049   | 0.01     | 3.5      | 0.1      | 0.0249    | 5        |
| 11TB0499  | 2.9      | 0.8      | 38      | 0.16       | 0.028      | 36       | 21       | 0.34      | 618      | 0.022      | 0.49    | 1.61       | 0.01      | 0.1       | 0.049   | 0.02     | 5.7      | 0.2      | 0.0249    | 4        |
| 11TB0498  | 0.5      | 0.2      | 61      | 0.15       | 0.035      | 13       | 24       | 0.42      | 325      | 0.046      | 0.49    | 1.87       | 0.009     | 0.08      | 0.1     | 0.02     | 2.6      | 0.1      | 0.0249    | 7        |
| 11TB0497  | 0.5      | 0.2      | 75      | 0.12       | 0.027      | 8        | 49       | 0.62      | 176      | 0.088      | 0.49    | 2.7        | 0.011     | 0.06      | 0.1     | 0.05     | 3.4      | 0.1      | 0.0249    | 7        |
| 11TB0496  | 0.7      | 0.2      | 83      | 0.08       | 0.058      | 9        | 28       | 0.37      | 102      | 0.056      | 0.49    | 2          | 0.007     | 0.07      | 0.2     | 0.02     | 2.4      | 0.1      | 0.0249    | 8        |
| 11TB0495  | 0.5      | 0.2      | 67      | 0.16       | 0.046      | 11       | 38       | 0.63      | 268      | 0.094      | 0.49    | 2.28       | 0.01      | 0.12      | 0.1     | 0.03     | 4.1      | 0.1      | 0.0249    | 7        |
| 11TB0494  | 0.3      | 0.1      | 65      | 0.3        | 0.033      | 22       | 47       | 0.9       | 419      | 0.051      | 0.49    | 2.22       | 0.014     | 0.12      | 0.1     | 0.01     | 5.2      | 0.1      | 0.0249    | 6        |
| 11TB0493  | 0.4      | 0.2      | 61      | 0.15       | 0.038      | 13       | 28       | 0.59      | 177      | 0.117      | 0.49    | 1.67       | 0.008     | 0.2       | 0.2     | 0.02     | 4        | 0.2      | 0.0249    | 7        |
| 11TB0492  | 0.4      | 0.2      | 76      | 0.14       | 0.047      | 11       | 34       | 0.73      | 211      | 0.159      | 0.49    | 2.13       | 0.01      | 0.29      | 0.1     | 0.02     | 5        | 0.2      | 0.0249    | 8        |
| 11TB0491  | 0.3      | 0.049    | 102     | 0.24       | 0.034      | 4        | 47       | 1.24      | 152      | 0.162      | 0.49    | 2.06       | 0.022     | 0.13      | 0.049   | 0.01     | 5        | 0.049    | 0.0249    | 6        |
| 11TB0490  | 0.2      | 0.1      | 83      | 0.29       | 0.141      | 14       | 20       | 1.3       | 358      | 0.239      | 0.49    | 2          | 0.011     | 0.5       | 0.1     | 0.02     | 11.2     | 0.2      | 0.0249    | 12       |
| 11TB0489  | 0.4      | 0.2      | 61      | 0.16       | 0.03       | 14       | 33       | 0.51      | 200      | 0.072      | 0.49    | 2.18       | 0.01      | 0.07      | 0.1     | 0.03     | 3.9      | 0.049    | 0.0249    | 6        |
| 11TB0488  | 0.6      | 0.2      | 69      | 0.13       | 0.039      | 12       | 37       | 0.54      | 180      | 0.081      | 0.49    | 2.5        | 0.01      | 0.07      | 0.2     | 0.04     | 4        | 0.049    | 0.0249    | 6        |
| 11TB0487  | 0.5      | 0.2      | 66      | 0.12       | 0.032      | 12       | 33       | 0.53      | 184      | 0.067      | 0.49    | 2.09       | 0.009     | 0.06      | 0.1     | 0.03     | 4.2      | 0.1      | 0.0249    | 6        |
| 11TB0486  | 0.4      | 0.1      | 77      | 0.2        | 0.03       | 9        | 46       | 0.7       | 215      | 0.087      | 0.49    | 2.67       | 0.014     | 0.04      | 0.1     | 0.03     | 4        | 0.1      | 0.0249    | 7        |
| 11TB0485  | 0.4      | 0.1      | 100     | 0.2        | 0.047      | 7        | 59       | 1.19      | 208      | 0.174      | 0.49    | 3.39       | 0.013     | 0.21      | 0.1     | 0.02     | 3.7      | 0.2      | 0.0249    | 8        |
| 11TB0484  | 1.1      | 0.4      | 35      | 0.26       | 0.031      | 36       | 26       | 0.33      | 1054     | 0.021      | 0.49    | 1.29       | 0.011     | 0.07      | 0.1     | 0.03     | 4.2      | 0.049    | 0.0249    | 3        |
| 11TB0483  | 0.5      | 0.1      | 54      | 0.14       | 0.035      | 15       | 28       | 0.48      | 250      | 0.056      | 0.49    | 2.05       | 0.008     | 0.16      | 0.1     | 0.02     | 3        | 0.1      | 0.0249    | 6        |
| 11TB0482  | 0.4      | 0.2      | 78      | 0.37       | 0.076      | 8        | 34       | 0.81      | 274      | 0.113      | 1       | 1.95       | 0.012     | 0.12      | 0.2     | 0.02     | 3.1      | 0.1      | 0.0249    | 7        |
| 11TB0371  | 0.2      | 0.2      | 25      | 0.11       | 0.046      | 28       | 16       | 0.23      | 129      | 0.053      | 0.49    | 1.25       | 0.049     | 0.11      | 0.049   | 0.0049   | 1.7      | 0.049    | 0.25      | 4        |
| 11TB0370  | 0.3      | 0.5      | 38      | 0.17       | 0.04       | 19       | 18       | 0.39      | 185      | 0.084      | 1       | 1.48       | 0.034     | 0.15      | 0.049   | 0.0049   | 2.2      | 0.1      | 0.17      | 5        |
| 11TB0369  | 0.4      | 0.4      | 47      | 0.13       | 0.037      | 16       | 32       | 0.34      | 192      | 0.053      | 2       | 1.66       | 0.028     | 0.1       | 0.049   | 0.02     | 2.9      | 0.049    | 0.1       | 5        |
| 11TB0368  | 0.3      | 0.2      | 47      | 0.34       | 0.05       | 12       | 33       | 0.65      | 201      | 0.081      | 2       | 1.64       | 0.011     | 0.25      | 0.1     | 0.0049   | 3.1      | 0.1      | 0.0249    | 5        |
| 11TB0367  | 0.2      | 0.1      | 42      | 0.3        | 0.066      | 9        | 18       | 0.83      | 242      | 0.132      | 0.49    | 1.78       | 0.01      | 0.64      | 0.049   | 0.0049   | 2.8      | 0.3      | 0.0249    | 6        |
| 11TB0366  | 0.3      | 0.049    | 58      | 0.23       | 0.021      | 5        | 21       | 0.78      | 274      | 0.16       | 0.49    | 1.94       | 0.013     | 0.37      | 0.1     | 0.01     | 2.9      | 0.3      | 0.0249    | 6        |
| 11TB0365  | 0.4      | 0.1      | 55      | 0.35       | 0.047      | 8        | 21       | 0.94      | 273      | 0.133      | 0.49    | 1.92       | 0.01      | 0.36      | 0.049   | 0.02     | 5.2      | 0.2      | 0.0249    | 8        |
| 11TB0364  | 0.3      | 0.1      | 51      | 0.41       | 0.046      | 7        | 50       | 0.99      | 258      | 0.11       | 1       | 1.59       | 0.014     | 0.16      | 0.1     | 0.0049   | 3.8      | 0.1      | 0.0249    | 5        |
| 11TB0363  | 0.4      | 0.1      | 57      | 0.3        | 0.035      | 9        | 27       | 0.75      | 591      | 0.071      | 1       | 1.87       | 0.009     | 0.32      | 0.1     | 0.01     | 3.6      | 0.049    | 0.0249    | 7        |
| 11TB0362  | 0.5      | 0.2      | 53      | 0.14       | 0.035      | 11       | 30       | 0.41      | 154      | 0.057      | 1       | 1.67       | 0.007     | 0.08      | 0.1     | 0.02     | 2.3      | 0.049    | 0.0249    | 7        |
| 11TB0360  | 0.4      | 0.3      | 45      | 0.12       | 0.033      | 9        | 22       | 0.26      | 126      | 0.041      | 0.49    | 1.47       | 0.007     | 0.07      | 0.1     | 0.02     | 1.5      | 0.049    | 0.0249    | 5        |
| 11TB0359  | 0.3      | 0.8      | 18      | 0.07       | 0.034      | 31       | 13       | 0.16      | 258      | 0.016      | 0.49    | 0.84       | 0.032     | 0.1       | 0.049   | 0.02     | 1.2      | 0.049    | 0.14      | 3        |
| 11TB0358  | 0.4      | 0.1      | 37      | 0.12       | 0.031      | 18       | 25       | 0.38      | 150      | 0.035      | 0.49    | 1.8        | 0.02      | 0.06      | 0.049   | 0.01     | 2.4      | 0.1      | 0.0249    | 5        |
| 11TB0357  | 0.3      | 0.2      | 52      | 0.21       | 0.06       | 19       | 15       | 0.97      | 280      | 0.115      | 0.49    | 2.02       | 0.011     | 0.41      | 0.049   | 0.0049   | 3.3      | 0.4      | 0.0249    | 7        |
| 11TB0356  | 0.2      | 0.1      | 43      | 0.31       | 0.046      | 14       | 22       | 0.47      | 201      | 0.073      | 1       | 1.24       | 0.01      | 0.08      | 0.1     | 0.03     | 2.2      | 0.049    | 0.0249    | 4        |
| 11TB0355  | 0.3      | 0.2      | 36      | 0.48       | 0.047      | 20       | 19       | 0.4       | 168      | 0.05       | 0.49    | 1.46       | 0.021     | 0.07      | 0.049   | 0.04     | 3.2      | 0.1      | 0.0249    | 4        |
| 11TB0354  | 0.2      | 0.3      | 25      | 0.18       | 0.05       | 29       | 15       | 0.25      | 156      | 0.021      | 0.49    | 1.09       | 0.025     | 0.1       | 0.049   | 0.02     | 2        | 0.049    | 0.0249    | 3        |
| 11TB0353  | 0.4      | 0.2      | 45      | 0.15       | 0.047      | 14       | 23       | 0.47      | 178      | 0.036      | 0.49    | 1.76       | 0.017     | 0.11      | 0.049   | 0.02     | 2        | 0.1      | 0.0249    | 4        |
| 11TB0352  | 0.3      | 5.7      | 41      | 0.15       | 0.036      | 18       | 23       | 0.44      | 133      | 0.066      | 0.49    | 1.41       | 0.027     | 0.09      | 0.049   | 0.01     | 1.9      | 0.1      | 0.0249    | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0351  | 0.2      | 0.049    | 87      | 0.72       | 0.171      | 5        | 18       | 1.37      | 337      | 0.179      | 0.49    | 2.18       | 0.013     | 0.48      | 0.1     | 0.0049   | 2.9      | 0.049    | 0.0249    | 6        |
| 11TB0350  | 0.3      | 0.1      | 61      | 0.22       | 0.038      | 9        | 28       | 0.4       | 161      | 0.069      | 1       | 1.46       | 0.011     | 0.06      | 0.2     | 0.0049   | 2.6      | 0.1      | 0.0249    | 6        |
| 11TB0349  | 0.3      | 0.049    | 84      | 0.33       | 0.033      | 5        | 30       | 1.06      | 353      | 0.227      | 0.49    | 2.23       | 0.011     | 0.9       | 0.1     | 0.01     | 3.4      | 0.3      | 0.0249    | 7        |
| 11TB0348  | 0.2      | 1.2      | 41      | 0.23       | 0.025      | 21       | 25       | 0.43      | 163      | 0.06       | 0.49    | 1.36       | 0.024     | 0.32      | 0.049   | 0.0049   | 2.7      | 0.2      | 0.0249    | 4        |
| 11TB0347  | 0.6      | 0.9      | 17      | 0.11       | 0.038      | 38       | 14       | 0.13      | 164      | 0.011      | 0.49    | 0.68       | 0.092     | 0.12      | 0.049   | 0.02     | 1.6      | 0.1      | 0.38      | 2        |
| 11TB0346  | 0.3      | 0.1      | 47      | 0.34       | 0.038      | 18       | 28       | 0.48      | 259      | 0.066      | 1       | 1.57       | 0.016     | 0.1       | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 5        |
| 11TB0345  | 0.3      | 0.1      | 54      | 0.39       | 0.044      | 18       | 25       | 0.56      | 361      | 0.071      | 0.49    | 1.65       | 0.016     | 0.12      | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 5        |
| 11TB0344  | 0.4      | 0.1      | 60      | 0.31       | 0.052      | 16       | 46       | 0.7       | 214      | 0.097      | 2       | 1.9        | 0.012     | 0.14      | 0.2     | 0.0049   | 3.2      | 0.1      | 0.0249    | 5        |
| 11TB0343  | 0.3      | 0.049    | 69      | 0.46       | 0.055      | 17       | 24       | 0.84      | 271      | 0.098      | 0.49    | 2          | 0.017     | 0.08      | 0.1     | 0.02     | 3.6      | 0.049    | 0.0249    | 6        |
| 11TB0342  | 0.3      | 0.1      | 43      | 0.32       | 0.037      | 22       | 29       | 0.39      | 278      | 0.045      | 1       | 1.47       | 0.032     | 0.1       | 0.049   | 0.01     | 2.9      | 0.049    | 0.05      | 4        |
| 11TB0340  | 0.7      | 0.3      | 20      | 0.18       | 0.033      | 40       | 12       | 0.23      | 269      | 0.017      | 0.49    | 1.17       | 0.008     | 0.12      | 0.049   | 0.02     | 3.4      | 0.049    | 0.0249    | 3        |
| 11TB0339  | 0.3      | 0.2      | 31      | 0.18       | 0.022      | 19       | 16       | 0.45      | 158      | 0.086      | 0.49    | 1.52       | 0.008     | 0.21      | 0.049   | 0.01     | 2        | 0.3      | 0.0249    | 4        |
| 11TB0338  | 1        | 0.6      | 10      | 0.17       | 0.037      | 35       | 8        | 0.09      | 298      | 0.005      | 1       | 1.02       | 0.008     | 0.09      | 0.2     | 0.0049   | 3.7      | 0.2      | 0.0249    | 2        |
| 11TB0337  | 0.3      | 0.7      | 38      | 0.28       | 0.045      | 23       | 23       | 0.39      | 259      | 0.055      | 0.49    | 1.34       | 0.017     | 0.09      | 0.049   | 0.05     | 2.9      | 0.049    | 0.0249    | 4        |
| 11TB0336  | 0.4      | 0.7      | 40      | 0.21       | 0.02       | 18       | 21       | 0.34      | 210      | 0.048      | 0.49    | 1.17       | 0.022     | 0.07      | 0.049   | 0.0049   | 2.2      | 0.049    | 0.0249    | 4        |
| 11TB0335  | 0.3      | 0.6      | 40      | 0.32       | 0.028      | 21       | 28       | 0.4       | 315      | 0.051      | 1       | 1.34       | 0.017     | 0.08      | 0.1     | 0.02     | 3.5      | 0.049    | 0.0249    | 4        |
| 11TB0334  | 0.3      | 0.2      | 29      | 0.23       | 0.022      | 14       | 17       | 0.37      | 270      | 0.026      | 0.49    | 1.4        | 0.011     | 0.09      | 0.049   | 0.0049   | 2        | 0.049    | 0.0249    | 4        |
| 11TB0333  | 0.4      | 0.1      | 48      | 0.33       | 0.051      | 21       | 36       | 0.61      | 336      | 0.055      | 1       | 1.48       | 0.016     | 0.09      | 0.1     | 0.02     | 3.3      | 0.049    | 0.0249    | 4        |
| 11TB0332  | 0.3      | 0.2      | 67      | 0.43       | 0.089      | 14       | 77       | 1.16      | 159      | 0.103      | 1       | 2.25       | 0.012     | 0.26      | 0.2     | 0.0049   | 3.7      | 0.1      | 0.0249    | 8        |
| 11TB0331  | 0.2      | 0.049    | 57      | 0.28       | 0.078      | 7        | 18       | 0.65      | 317      | 0.12       | 1       | 1.59       | 0.007     | 0.61      | 0.049   | 0.0049   | 2.7      | 0.3      | 0.0249    | 6        |
| 11TB0330  | 0.4      | 0.3      | 61      | 0.26       | 0.018      | 9        | 35       | 0.59      | 198      | 0.091      | 2       | 1.59       | 0.011     | 0.26      | 0.1     | 0.02     | 2.5      | 0.1      | 0.0249    | 5        |
| 11TB0329  | 0.3      | 3.5      | 23      | 0.14       | 0.019      | 16       | 14       | 0.2       | 89       | 0.018      | 1       | 0.79       | 0.008     | 0.12      | 0.049   | 0.02     | 2.4      | 0.1      | 0.0249    | 2        |
| 11TB0328  | 0.3      | 0.2      | 60      | 0.27       | 0.04       | 14       | 20       | 0.45      | 191      | 0.048      | 2       | 1.55       | 0.029     | 0.15      | 0.049   | 0.01     | 3.2      | 0.1      | 0.08      | 5        |
| 11TB0327  | 0.2      | 0.1      | 29      | 0.28       | 0.036      | 28       | 14       | 0.2       | 227      | 0.022      | 1       | 0.89       | 0.006     | 0.15      | 0.1     | 0.01     | 1.2      | 0.049    | 0.0249    | 3        |
| 11TB0326  | 0.2      | 0.049    | 83      | 0.42       | 0.042      | 6        | 23       | 0.95      | 464      | 0.188      | 2       | 1.99       | 0.012     | 0.64      | 0.1     | 0.01     | 3.4      | 0.2      | 0.0249    | 7        |
| 11TB0325  | 0.3      | 0.1      | 67      | 0.42       | 0.079      | 8        | 20       | 0.78      | 359      | 0.111      | 0.49    | 1.7        | 0.014     | 0.36      | 0.2     | 0.01     | 5.9      | 0.1      | 0.0249    | 8        |
| 11TB0324  | 0.3      | 0.1      | 59      | 0.36       | 0.064      | 25       | 28       | 0.78      | 336      | 0.088      | 1       | 1.82       | 0.011     | 0.11      | 0.049   | 0.03     | 6        | 0.049    | 0.0249    | 6        |
| 11TB0323  | 0.2      | 0.1      | 59      | 1.06       | 0.08       | 24       | 31       | 0.78      | 351      | 0.094      | 2       | 1.62       | 0.014     | 0.16      | 0.1     | 0.07     | 5.4      | 0.049    | 0.0249    | 5        |
| 11TB0322  | 0.4      | 0.1      | 64      | 0.4        | 0.056      | 19       | 26       | 0.82      | 202      | 0.108      | 1       | 1.65       | 0.013     | 0.13      | 0.1     | 0.03     | 3.5      | 0.049    | 0.0249    | 5        |
| 11TB0321  | 0.3      | 0.049    | 30      | 0.63       | 0.056      | 22       | 17       | 0.57      | 239      | 0.086      | 1       | 1.5        | 0.012     | 0.25      | 0.049   | 0.02     | 2.2      | 0.2      | 0.0249    | 5        |
| 11TB0320  | 0.3      | 0.049    | 34      | 0.7        | 0.055      | 15       | 17       | 0.69      | 189      | 0.111      | 1       | 1.52       | 0.013     | 0.34      | 0.1     | 0.05     | 2.1      | 0.2      | 0.08      | 5        |
| 11TB0319  | 0.2      | 0.2      | 21      | 0.31       | 0.051      | 13       | 13       | 0.35      | 121      | 0.055      | 0.49    | 1.03       | 0.012     | 0.08      | 0.1     | 0.02     | 1.5      | 0.049    | 0.09      | 4        |
| 11TB0318  | 0.3      | 0.4      | 50      | 0.57       | 0.1        | 35       | 92       | 1.12      | 214      | 0.046      | 1       | 1.78       | 0.021     | 0.07      | 0.1     | 0.02     | 5.1      | 0.049    | 0.05      | 5        |
| 11TB0317  | 0.2      | 1.1      | 20      | 0.23       | 0.039      | 24       | 14       | 0.27      | 184      | 0.035      | 1       | 1.08       | 0.016     | 0.07      | 0.049   | 0.03     | 2        | 0.1      | 0.1       | 4        |
| 11TB0316  | 0.2      | 0.7      | 23      | 0.17       | 0.043      | 22       | 15       | 0.27      | 158      | 0.03       | 0.49    | 1.15       | 0.026     | 0.08      | 0.049   | 0.03     | 1.9      | 0.1      | 0.12      | 4        |
| 11TB0315  | 0.3      | 0.4      | 20      | 0.24       | 0.068      | 30       | 15       | 0.17      | 163      | 0.022      | 0.49    | 1.02       | 0.019     | 0.06      | 0.049   | 0.06     | 2.4      | 0.049    | 0.13      | 3        |
| 11TB0314  | 0.3      | 0.2      | 26      | 0.72       | 0.045      | 25       | 18       | 0.35      | 245      | 0.042      | 2       | 1.07       | 0.016     | 0.08      | 0.049   | 0.04     | 2.8      | 0.049    | 0.07      | 3        |
| 11TB0313  | 0.2      | 0.1      | 29      | 0.46       | 0.059      | 17       | 21       | 0.44      | 273      | 0.049      | 1       | 1.25       | 0.016     | 0.07      | 0.1     | 0.05     | 2.7      | 0.049    | 0.0249    | 4        |
| 11TB0312  | 0.1      | 0.049    | 80      | 0.58       | 0.058      | 9        | 24       | 1.47      | 348      | 0.176      | 0.49    | 2.13       | 0.017     | 0.55      | 0.049   | 0.0049   | 6        | 0.2      | 0.0249    | 8        |
| 11TB0311  | 0.2      | 0.049    | 20      | 0.32       | 0.047      | 38       | 14       | 0.46      | 222      | 0.043      | 0.49    | 1.32       | 0.021     | 0.11      | 0.049   | 0.01     | 2.2      | 0.049    | 0.07      | 4        |
| 11TB0310  | 0.2      | 0.049    | 71      | 0.34       | 0.048      | 9        | 21       | 0.87      | 248      | 0.137      | 0.49    | 2.09       | 0.011     | 0.32      | 0.1     | 0.0049   | 5        | 0.2      | 0.0249    | 8        |
| 11TB0309  | 0.2      | 0.049    | 81      | 0.65       | 0.108      | 10       | 64       | 1.47      | 294      | 0.126      | 0.49    | 2.16       | 0.02      | 0.24      | 0.049   | 0.01     | 6.4      | 0.049    | 0.0249    | 8        |
| 11TB0308  | 0.3      | 0.049    | 39      | 0.97       | 0.069      | 35       | 22       | 0.58      | 246      | 0.08       | 0.49    | 1.4        | 0.014     | 0.17      | 0.1     | 0.03     | 3.3      | 0.1      | 0.0249    | 4        |
| 11TB0307  | 0.3      | 0.049    | 38      | 0.5        | 0.061      | 21       | 18       | 0.53      | 193      | 0.083      | 1       | 1.35       | 0.014     | 0.13      | 0.049   | 0.04     | 2.5      | 0.1      | 0.07      | 5        |
| 11TB0306  | 0.4      | 1.5      | 15      | 0.27       | 0.064      | 38       | 9        | 0.36      | 269      | 0.025      | 0.49    | 0.95       | 0.009     | 0.14      | 0.049   | 0.02     | 2.1      | 0.049    | 0.0249    | 3        |
| 11TB0305  | 0.3      | 0.3      | 30      | 0.43       | 0.043      | 22       | 10       | 0.25      | 506      | 0.018      | 0.49    | 0.94       | 0.01      | 0.19      | 0.049   | 0.02     | 1.4      | 0.049    | 0.0249    | 4        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0304  | 0.5      | 0.1      | 49      | 0.27       | 0.036      | 16       | 27       | 0.62      | 291      | 0.101      | 0.49    | 1.69       | 0.022     | 0.19      | 0.049   | 0.0049   | 2.3      | 0.1      | 0.0249    | 5        |
| 11TB0303  | 0.4      | 0.2      | 40      | 0.18       | 0.029      | 19       | 19       | 0.58      | 182      | 0.089      | 0.49    | 1.82       | 0.032     | 0.19      | 0.1     | 0.02     | 2.3      | 0.2      | 0.05      | 5        |
| 11TB0302  | 0.3      | 0.2      | 45      | 0.75       | 0.075      | 118      | 26       | 0.59      | 318      | 0.09       | 1       | 1.57       | 0.014     | 0.24      | 0.049   | 0.02     | 4.4      | 0.2      | 0.0249    | 5        |
| 11TB0300  | 0.2      | 0.3      | 43      | 1.12       | 0.075      | 17       | 18       | 0.55      | 315      | 0.079      | 2       | 1.32       | 0.022     | 0.17      | 0.1     | 0.03     | 2.9      | 0.1      | 0.0249    | 4        |
| 11TB0299  | 0.3      | 0.1      | 86      | 0.47       | 0.053      | 5        | 34       | 1.23      | 250      | 0.246      | 0.49    | 2.41       | 0.02      | 0.42      | 0.1     | 0.02     | 2.6      | 0.2      | 0.0249    | 7        |
| 11TB0298  | 0.4      | 0.1      | 63      | 0.53       | 0.059      | 10       | 30       | 0.96      | 201      | 0.147      | 2       | 1.84       | 0.025     | 0.2       | 0.1     | 0.0049   | 3.4      | 0.1      | 0.0249    | 6        |
| 11TB0297  | 0.4      | 0.3      | 20      | 0.2        | 0.048      | 22       | 10       | 0.25      | 249      | 0.04       | 0.49    | 0.97       | 0.016     | 0.24      | 0.049   | 0.02     | 2.5      | 0.2      | 0.0249    | 4        |
| 11TB0296  | 0.3      | 1.4      | 33      | 0.15       | 0.032      | 25       | 17       | 0.36      | 229      | 0.081      | 1       | 1.4        | 0.027     | 0.09      | 0.049   | 0.0049   | 2.1      | 0.1      | 0.06      | 4        |
| 11TB0295  | 0.2      | 9.5      | 41      | 0.23       | 0.039      | 28       | 26       | 0.55      | 209      | 0.122      | 1       | 1.72       | 0.037     | 0.11      | 0.049   | 0.02     | 3.3      | 0.3      | 0.12      | 5        |
| 11TB0294  | 0.3      | 2.7      | 33      | 0.12       | 0.022      | 23       | 19       | 0.24      | 210      | 0.035      | 0.49    | 1.35       | 0.03      | 0.07      | 0.049   | 0.01     | 2.3      | 0.049    | 0.1       | 4        |
| 11TB0293  | 0.4      | 1.4      | 41      | 0.2        | 0.021      | 23       | 26       | 0.39      | 298      | 0.051      | 0.49    | 1.31       | 0.024     | 0.1       | 0.1     | 0.01     | 3.4      | 0.049    | 0.06      | 4        |
| 11TB0292  | 0.4      | 0.5      | 39      | 0.17       | 0.023      | 31       | 22       | 0.37      | 181      | 0.049      | 0.49    | 1.2        | 0.068     | 0.11      | 0.1     | 0.01     | 2.3      | 0.049    | 0.24      | 4        |
| 11TB0291  | 0.4      | 0.9      | 35      | 0.48       | 0.067      | 17       | 16       | 0.42      | 237      | 0.068      | 0.49    | 1.53       | 0.025     | 0.14      | 0.049   | 0.04     | 3        | 0.2      | 0.1       | 5        |
| 11TB0290  | 0.2      | 0.1      | 66      | 0.19       | 0.046      | 21       | 16       | 1.03      | 349      | 0.206      | 0.49    | 2.13       | 0.018     | 0.8       | 0.049   | 0.0049   | 2.9      | 0.4      | 0.12      | 6        |
| 11TB0289  | 0.4      | 0.5      | 67      | 0.29       | 0.022      | 9        | 45       | 0.7       | 183      | 0.097      | 0.49    | 1.88       | 0.014     | 0.13      | 0.1     | 0.02     | 2.7      | 0.1      | 0.0249    | 6        |
| 11TB0288  | 0.4      | 1        | 51      | 0.16       | 0.019      | 13       | 21       | 0.35      | 205      | 0.026      | 0.49    | 1.47       | 0.017     | 0.07      | 0.049   | 0.02     | 1.6      | 0.049    | 0.06      | 4        |
| 11TB0287  | 0.3      | 0.1      | 57      | 0.29       | 0.017      | 10       | 31       | 0.54      | 273      | 0.105      | 1       | 1.77       | 0.016     | 0.14      | 0.1     | 0.01     | 2.2      | 0.049    | 0.0249    | 5        |
| 11TB0286  | 0.3      | 0.2      | 36      | 0.46       | 0.03       | 29       | 21       | 0.35      | 249      | 0.048      | 1       | 1.24       | 0.01      | 0.17      | 0.1     | 0.03     | 2.8      | 0.2      | 0.0249    | 3        |
| 11TB0285  | 0.1      | 0.049    | 76      | 0.55       | 0.075      | 3        | 179      | 1.39      | 282      | 0.145      | 1       | 1.99       | 0.026     | 0.28      | 0.049   | 0.01     | 3.8      | 0.1      | 0.0249    | 6        |
| 11TB0284  | 0.3      | 0.1      | 68      | 0.43       | 0.017      | 7        | 35       | 0.69      | 182      | 0.11       | 0.49    | 1.7        | 0.012     | 0.33      | 0.1     | 0.0049   | 3.9      | 0.049    | 0.0249    | 5        |
| 11TB0283  | 0.2      | 0.049    | 112     | 0.5        | 0.075      | 2        | 14       | 1.93      | 282      | 0.287      | 0.49    | 2.68       | 0.01      | 0.89      | 0.049   | 0.0049   | 2.2      | 0.1      | 0.0249    | 7        |
| 11TB0282  | 0.2      | 0.049    | 107     | 0.29       | 0.052      | 5        | 22       | 1.27      | 353      | 0.23       | 0.49    | 2.41       | 0.012     | 0.59      | 0.1     | 0.02     | 5.3      | 0.2      | 0.0249    | 7        |
| 11TB0280  | 0.2      | 0.2      | 60      | 0.3        | 0.054      | 11       | 24       | 0.58      | 221      | 0.097      | 0.49    | 1.93       | 0.013     | 0.19      | 0.049   | 0.01     | 2.7      | 0.1      | 0.0249    | 5        |
| 11TB0279  | 0.3      | 5.7      | 30      | 0.09       | 0.04       | 31       | 18       | 0.3       | 202      | 0.057      | 0.49    | 1.14       | 0.061     | 0.15      | 0.049   | 0.02     | 2.3      | 0.1      | 0.37      | 3        |
| 11TB0278  | 0.1      | 2.5      | 30      | 0.16       | 0.031      | 29       | 21       | 0.58      | 182      | 0.084      | 0.49    | 1.37       | 0.025     | 0.08      | 0.049   | 0.01     | 1.8      | 0.049    | 0.11      | 3        |
| 11TB0277  | 0.3      | 0.9      | 28      | 0.15       | 0.022      | 18       | 16       | 0.2       | 212      | 0.018      | 1       | 1.12       | 0.016     | 0.09      | 0.049   | 0.02     | 1.7      | 0.049    | 0.0249    | 3        |
| 11TB0276  | 0.3      | 0.6      | 40      | 0.17       | 0.017      | 10       | 19       | 0.29      | 220      | 0.024      | 0.49    | 0.99       | 0.008     | 0.09      | 0.1     | 0.01     | 1.5      | 0.049    | 0.0249    | 3        |
| 11TB0275  | 0.3      | 0.3      | 19      | 0.16       | 0.021      | 27       | 15       | 0.3       | 113      | 0.018      | 0.49    | 1.02       | 0.03      | 0.1       | 0.049   | 0.02     | 2        | 0.1      | 0.18      | 2        |
| 11TB0274  | 0.2      | 0.2      | 30      | 0.18       | 0.046      | 21       | 13       | 0.26      | 154      | 0.037      | 1       | 1.07       | 0.014     | 0.19      | 0.049   | 0.0049   | 1.5      | 0.1      | 0.17      | 4        |
| 11TB0273  | 0.3      | 0.1      | 75      | 0.28       | 0.027      | 10       | 38       | 0.78      | 189      | 0.116      | 0.49    | 2.03       | 0.011     | 0.09      | 0.049   | 0.0049   | 4.2      | 0.1      | 0.0249    | 7        |
| 11TB0272  | 0.3      | 0.1      | 79      | 0.17       | 0.028      | 14       | 29       | 0.88      | 207      | 0.147      | 0.49    | 2.09       | 0.01      | 0.19      | 0.1     | 0.02     | 4.5      | 0.2      | 0.0249    | 6        |
| 11TB0271  | 0.4      | 0.1      | 87      | 0.24       | 0.029      | 11       | 32       | 0.86      | 213      | 0.148      | 0.49    | 2.23       | 0.012     | 0.17      | 0.1     | 0.0049   | 5.3      | 0.2      | 0.0249    | 8        |
| 11TB0270  | 0.3      | 0.1      | 90      | 0.27       | 0.067      | 10       | 30       | 0.73      | 178      | 0.134      | 0.49    | 1.99       | 0.01      | 0.2       | 0.1     | 0.0049   | 4.1      | 0.2      | 0.0249    | 8        |
| 11TB0269  | 0.3      | 0.1      | 66      | 0.23       | 0.032      | 17       | 31       | 0.56      | 238      | 0.089      | 0.49    | 1.69       | 0.009     | 0.08      | 0.1     | 0.0049   | 3.9      | 0.1      | 0.0249    | 6        |
| 11TB0268  | 0.3      | 0.1      | 68      | 0.3        | 0.041      | 18       | 34       | 0.68      | 257      | 0.094      | 0.49    | 1.74       | 0.012     | 0.08      | 0.1     | 0.0049   | 4.3      | 0.049    | 0.0249    | 6        |
| 11TB0267  | 0.3      | 0.1      | 68      | 0.32       | 0.039      | 18       | 32       | 0.67      | 233      | 0.094      | 0.49    | 1.8        | 0.01      | 0.06      | 0.1     | 0.01     | 4.3      | 0.049    | 0.0249    | 6        |
| 11TB0266  | 0.4      | 0.2      | 64      | 0.26       | 0.033      | 24       | 34       | 0.56      | 232      | 0.07       | 1       | 1.8        | 0.011     | 0.06      | 0.049   | 0.02     | 4.8      | 0.049    | 0.0249    | 6        |
| 11TB0265  | 0.2      | 0.1      | 81      | 0.4        | 0.064      | 15       | 27       | 0.78      | 322      | 0.132      | 0.49    | 1.89       | 0.013     | 0.13      | 0.049   | 0.02     | 4.5      | 0.1      | 0.0249    | 9        |
| 11TB0264  | 0.4      | 0.1      | 87      | 0.19       | 0.03       | 10       | 30       | 0.86      | 218      | 0.143      | 0.49    | 2.12       | 0.015     | 0.1       | 0.049   | 0.01     | 5.4      | 0.049    | 0.0249    | 9        |
| 11TB0263  | 0.2      | 0.049    | 100     | 0.8        | 0.097      | 11       | 56       | 1.36      | 346      | 0.149      | 1       | 2.23       | 0.02      | 0.17      | 0.049   | 0.01     | 7.8      | 0.049    | 0.0249    | 9        |
| 11TB0262  | 0.3      | 0.1      | 67      | 0.41       | 0.066      | 11       | 40       | 0.75      | 202      | 0.099      | 2       | 1.71       | 0.015     | 0.08      | 0.1     | 0.0049   | 3.9      | 0.049    | 0.0249    | 5        |
| 11TB0260  | 0.2      | 0.049    | 95      | 0.54       | 0.099      | 16       | 41       | 1.3       | 318      | 0.238      | 0.49    | 2.2        | 0.013     | 0.72      | 0.049   | 0.01     | 9.3      | 0.2      | 0.0249    | 9        |
| 11TB0259  | 0.2      | 0.049    | 109     | 0.48       | 0.076      | 21       | 64       | 1.43      | 251      | 0.121      | 1       | 2.18       | 0.014     | 0.14      | 0.049   | 0.0049   | 7.7      | 0.049    | 0.0249    | 9        |
| 11TB0258  | 0.2      | 0.049    | 82      | 0.41       | 0.064      | 13       | 27       | 1.08      | 231      | 0.096      | 0.49    | 2.02       | 0.013     | 0.07      | 0.049   | 0.0049   | 6.2      | 0.049    | 0.0249    | 8        |
| 11TB0257  | 0.3      | 0.049    | 62      | 0.27       | 0.066      | 8        | 29       | 0.67      | 113      | 0.084      | 0.49    | 1.85       | 0.01      | 0.06      | 0.1     | 0.01     | 3.1      | 0.049    | 0.0249    | 6        |
| 11TB0256  | 0.4      | 0.1      | 74      | 0.45       | 0.049      | 13       | 37       | 0.68      | 274      | 0.087      | 0.49    | 1.97       | 0.015     | 0.05      | 0.049   | 0.02     | 4.7      | 0.049    | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0255  | 0.3      | 0.049    | 73      | 0.34       | 0.066      | 15       | 28       | 0.79      | 214      | 0.111      | 0.49    | 1.83       | 0.012     | 0.11      | 0.1     | 0.02     | 6.1      | 0.049    | 0.0249    | 7        |
| 11TB0254  | 0.4      | 0.1      | 77      | 0.48       | 0.07       | 14       | 33       | 0.7       | 688      | 0.083      | 1       | 1.98       | 0.016     | 0.06      | 0.1     | 0.02     | 5.5      | 0.049    | 0.0249    | 6        |
| 11TB0253  | 0.5      | 0.049    | 21      | 2.59       | 0.098      | 53       | 15       | 0.51      | 638      | 0.03       | 1       | 1.06       | 0.018     | 0.08      | 0.049   | 0.13     | 3.2      | 0.049    | 0.22      | 3        |
| 11TB0252  | 0.2      | 0.049    | 62      | 0.64       | 0.054      | 24       | 20       | 0.8       | 441      | 0.169      | 0.49    | 2          | 0.011     | 0.55      | 0.049   | 0.03     | 6.7      | 0.2      | 0.0249    | 8        |
| 11TB0251  | 0.2      | 0.1      | 46      | 0.41       | 0.038      | 14       | 21       | 0.45      | 190      | 0.081      | 0.49    | 1.28       | 0.011     | 0.15      | 0.1     | 0.02     | 2.8      | 0.049    | 0.0249    | 6        |
| 11TB0250  | 0.2      | 0.1      | 59      | 0.22       | 0.042      | 13       | 27       | 0.54      | 169      | 0.065      | 0.49    | 1.72       | 0.009     | 0.1       | 0.1     | 0.03     | 3.3      | 0.049    | 0.0249    | 6        |
| 11TB0249  | 0.2      | 0.049    | 59      | 0.34       | 0.05       | 21       | 28       | 0.74      | 236      | 0.079      | 0.49    | 1.68       | 0.011     | 0.13      | 0.049   | 0.03     | 4.4      | 0.049    | 0.0249    | 7        |
| 11TB0248  | 0.2      | 0.049    | 67      | 0.38       | 0.053      | 21       | 52       | 0.9       | 210      | 0.119      | 0.49    | 1.79       | 0.015     | 0.11      | 0.1     | 0.04     | 4.6      | 0.049    | 0.0249    | 6        |
| 11TB0247  | 0.3      | 0.1      | 65      | 0.42       | 0.039      | 15       | 37       | 0.63      | 230      | 0.076      | 0.49    | 1.71       | 0.014     | 0.06      | 0.049   | 0.03     | 3.6      | 0.049    | 0.0249    | 6        |
| 11TB0246  | 0.3      | 0.1      | 68      | 0.52       | 0.088      | 10       | 27       | 0.87      | 263      | 0.131      | 0.49    | 1.9        | 0.014     | 0.25      | 0.049   | 0.02     | 5.8      | 0.049    | 0.0249    | 8        |
| 11TB0245  | 0.2      | 0.049    | 90      | 0.59       | 0.117      | 14       | 29       | 1.25      | 310      | 0.121      | 0.49    | 2.19       | 0.016     | 0.17      | 0.049   | 0.0049   | 8.9      | 0.049    | 0.0249    | 9        |
| 11TB0244  | 0.2      | 0.049    | 56      | 0.71       | 0.128      | 16       | 24       | 1.03      | 300      | 0.098      | 1       | 2.08       | 0.016     | 0.24      | 0.049   | 0.02     | 6.9      | 0.049    | 0.0249    | 10       |
| 11TB0243  | 0.2      | 0.049    | 73      | 0.79       | 0.093      | 13       | 37       | 0.97      | 262      | 0.091      | 1       | 1.99       | 0.021     | 0.11      | 0.049   | 0.02     | 5.3      | 0.049    | 0.0249    | 7        |
| 11TB0242  | 0.2      | 0.049    | 79      | 0.53       | 0.07       | 11       | 33       | 1.01      | 207      | 0.115      | 0.49    | 1.99       | 0.016     | 0.12      | 0.049   | 0.0049   | 5.3      | 0.049    | 0.0249    | 7        |
| 11TB0240  | 0.3      | 0.049    | 65      | 0.55       | 0.041      | 9        | 43       | 0.79      | 173      | 0.1        | 0.49    | 1.7        | 0.02      | 0.08      | 0.1     | 0.01     | 3.7      | 0.049    | 0.0249    | 5        |
| 11TB0239  | 0.2      | 0.1      | 57      | 0.89       | 0.073      | 14       | 31       | 0.65      | 400      | 0.043      | 0.49    | 1.72       | 0.015     | 0.05      | 0.049   | 0.06     | 4.3      | 0.049    | 0.0249    | 6        |
| 11TB0238  | 0.3      | 0.1      | 65      | 0.46       | 0.068      | 12       | 30       | 0.73      | 372      | 0.072      | 0.49    | 1.8        | 0.014     | 0.05      | 0.1     | 0.03     | 4.6      | 0.049    | 0.0249    | 6        |
| 11TB0237  | 0.2      | 0.049    | 63      | 0.42       | 0.061      | 11       | 29       | 0.72      | 273      | 0.075      | 1       | 1.68       | 0.012     | 0.05      | 0.1     | 0.03     | 4.4      | 0.049    | 0.0249    | 6        |
| 11TB0236  | 0.4      | 0.1      | 80      | 0.4        | 0.041      | 13       | 32       | 0.86      | 217      | 0.122      | 1       | 2.14       | 0.025     | 0.08      | 0.049   | 0.02     | 5.4      | 0.049    | 0.0249    | 8        |
| 11TB0235  | 0.2      | 0.049    | 89      | 0.68       | 0.084      | 10       | 87       | 1.35      | 339      | 0.15       | 0.49    | 2.38       | 0.031     | 0.16      | 0.049   | 0.02     | 7.1      | 0.049    | 0.0249    | 8        |
| 11TB0234  | 0.3      | 0.049    | 58      | 0.67       | 0.085      | 19       | 23       | 0.64      | 394      | 0.091      | 2       | 1.71       | 0.017     | 0.22      | 0.1     | 0.04     | 6.5      | 0.049    | 0.0249    | 7        |
| 11TB0233  | 0.4      | 0.1      | 70      | 0.9        | 0.086      | 21       | 30       | 0.79      | 520      | 0.092      | 1       | 2.08       | 0.019     | 0.19      | 0.1     | 0.05     | 7.8      | 0.1      | 0.0249    | 7        |
| 11TB0232  | 0.3      | 0.1      | 51      | 1.05       | 0.086      | 18       | 19       | 0.67      | 492      | 0.148      | 2       | 1.87       | 0.021     | 0.4       | 0.049   | 0.04     | 7        | 0.2      | 0.0249    | 7        |
| 11TB0231  | 0.7      | 0.1      | 87      | 0.85       | 0.077      | 17       | 44       | 0.97      | 607      | 0.106      | 1       | 2.38       | 0.021     | 0.14      | 0.2     | 0.04     | 9.7      | 0.049    | 0.0249    | 8        |
| 11TB0230  | 0.3      | 0.049    | 43      | 0.29       | 0.042      | 21       | 22       | 0.63      | 309      | 0.076      | 0.49    | 1.57       | 0.01      | 0.2       | 0.049   | 0.02     | 5.4      | 0.049    | 0.0249    | 5        |
| 11TB0229  | 0.3      | 0.2      | 47      | 0.37       | 0.066      | 24       | 22       | 0.72      | 518      | 0.042      | 0.49    | 2.07       | 0.011     | 0.44      | 0.049   | 0.02     | 5.9      | 0.1      | 0.0249    | 8        |
| 11TB0228  | 0.3      | 0.2      | 46      | 0.82       | 0.09       | 23       | 24       | 0.64      | 639      | 0.05       | 2       | 1.79       | 0.013     | 0.17      | 0.049   | 0.07     | 7        | 0.049    | 0.0249    | 6        |
| 11TB0227  | 0.4      | 0.1      | 59      | 1.01       | 0.107      | 22       | 44       | 0.95      | 703      | 0.094      | 2       | 1.91       | 0.024     | 0.2       | 0.049   | 0.05     | 7.6      | 0.1      | 0.0249    | 7        |
| 11TB0226  | 0.3      | 0.049    | 56      | 0.96       | 0.105      | 17       | 36       | 0.8       | 633      | 0.071      | 2       | 1.73       | 0.021     | 0.16      | 0.049   | 0.05     | 6.7      | 0.049    | 0.05      | 6        |
| 11TB0225  | 0.2      | 0.1      | 93      | 0.48       | 0.101      | 10       | 22       | 0.98      | 269      | 0.186      | 0.49    | 2.48       | 0.016     | 0.45      | 0.049   | 0.01     | 7.6      | 0.1      | 0.0249    | 12       |
| 11TB0224  | 0.4      | 0.1      | 60      | 0.72       | 0.062      | 18       | 26       | 0.68      | 386      | 0.076      | 2       | 1.75       | 0.016     | 0.2       | 0.049   | 0.03     | 6.8      | 0.049    | 0.0249    | 6        |
| 11TB0223  | 0.4      | 0.1      | 77      | 0.55       | 0.058      | 14       | 32       | 0.81      | 402      | 0.11       | 1       | 2.06       | 0.018     | 0.12      | 0.1     | 0.02     | 6.2      | 0.049    | 0.0249    | 7        |
| 11TB0221  | 0.2      | 0.049    | 92      | 0.97       | 0.088      | 10       | 24       | 1.13      | 418      | 0.246      | 1       | 2.57       | 0.024     | 0.51      | 0.1     | 0.03     | 5        | 0.2      | 0.0249    | 8        |
| 11TB0220  | 0.3      | 0.1      | 64      | 0.69       | 0.095      | 13       | 27       | 0.75      | 334      | 0.087      | 2       | 1.76       | 0.023     | 0.07      | 0.2     | 0.05     | 4.8      | 0.049    | 0.0249    | 6        |
| 11TB0219  | 0.3      | 0.2      | 59      | 0.59       | 0.107      | 14       | 24       | 0.85      | 331      | 0.087      | 1       | 1.86       | 0.017     | 0.12      | 0.1     | 0.03     | 5.3      | 0.049    | 0.0249    | 7        |
| 11TB0218  | 0.4      | 0.3      | 62      | 0.41       | 0.043      | 10       | 26       | 0.68      | 208      | 0.071      | 1       | 1.99       | 0.01      | 0.18      | 0.1     | 0.02     | 3.3      | 0.1      | 0.0249    | 6        |
| 11TB0217  | 0.5      | 0.2      | 77      | 0.43       | 0.042      | 17       | 36       | 0.97      | 431      | 0.095      | 1       | 2.23       | 0.018     | 0.09      | 0.049   | 0.03     | 8        | 0.049    | 0.0249    | 8        |
| 11TB0216  | 0.4      | 0.2      | 91      | 0.38       | 0.042      | 14       | 40       | 0.97      | 284      | 0.155      | 2       | 2.51       | 0.022     | 0.07      | 0.1     | 0.02     | 5.2      | 0.049    | 0.0249    | 8        |
| 11TB0215  | 0.2      | 0.049    | 65      | 0.3        | 0.06       | 15       | 31       | 0.75      | 476      | 0.041      | 0.49    | 1.9        | 0.008     | 0.14      | 0.049   | 0.01     | 7.6      | 0.049    | 0.0249    | 6        |
| 11TB0214  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11TB0213  | 0.2      | 0.1      | 73      | 0.32       | 0.075      | 14       | 26       | 1.05      | 475      | 0.116      | 1       | 2.53       | 0.009     | 0.32      | 0.049   | 0.02     | 8.1      | 0.2      | 0.0249    | 8        |
| 11TB0212  | 0.2      | 0.049    | 99      | 0.27       | 0.034      | 12       | 49       | 1.31      | 309      | 0.118      | 0.49    | 2.86       | 0.011     | 0.18      | 0.1     | 0.02     | 8.9      | 0.1      | 0.0249    | 9        |
| 11TB0211  | 0.3      | 0.1      | 78      | 0.56       | 0.043      | 17       | 36       | 0.92      | 291      | 0.113      | 1       | 2.25       | 0.01      | 0.24      | 0.049   | 0.02     | 7.8      | 0.1      | 0.0249    | 7        |
| 11TB0210  | 0.3      | 0.1      | 82      | 0.67       | 0.049      | 16       | 36       | 0.85      | 338      | 0.099      | 1       | 2.48       | 0.011     | 0.13      | 0.049   | 0.02     | 7.1      | 0.1      | 0.0249    | 8        |
| 11TB0209  | 0.2      | 0.049    | 56      | 0.44       | 0.036      | 5        | 30       | 0.79      | 218      | 0.089      | 0.49    | 1.93       | 0.011     | 0.17      | 0.049   | 0.0049   | 2.4      | 0.049    | 0.0249    | 6        |
| 11TB0208  | 0.2      | 0.1      | 51      | 0.38       | 0.04       | 6        | 20       | 0.52      | 191      | 0.089      | 0.49    | 1.82       | 0.008     | 0.14      | 0.049   | 0.0049   | 1.9      | 0.049    | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0207  | 0.2      | 0.1      | 82      | 0.43       | 0.044      | 12       | 37       | 1.01      | 300      | 0.119      | 0.49    | 2.59       | 0.012     | 0.12      | 0.1     | 0.03     | 5.8      | 0.1      | 0.0249    | 7        |
| 11TB0206  | 0.2      | 0.1      | 78      | 0.57       | 0.056      | 16       | 36       | 0.91      | 415      | 0.105      | 1       | 2.56       | 0.015     | 0.12      | 0.049   | 0.03     | 7.4      | 0.1      | 0.0249    | 7        |
| 11TB0205  | 0.3      | 0.1      | 72      | 0.45       | 0.043      | 15       | 40       | 0.79      | 334      | 0.1        | 2       | 2.4        | 0.013     | 0.08      | 0.1     | 0.03     | 6        | 0.049    | 0.0249    | 7        |
| 11TB0204  | 0.3      | 0.1      | 83      | 0.25       | 0.03       | 14       | 44       | 0.93      | 259      | 0.122      | 1       | 3.05       | 0.011     | 0.1       | 0.049   | 0.02     | 6        | 0.1      | 0.0249    | 8        |
| 11TB0203  | 0.2      | 0.2      | 79      | 0.27       | 0.036      | 12       | 34       | 0.62      | 236      | 0.089      | 0.49    | 2.39       | 0.01      | 0.08      | 0.1     | 0.03     | 4.5      | 0.1      | 0.0249    | 8        |
| 11TB0202  | 0.4      | 0.1      | 69      | 0.22       | 0.041      | 13       | 39       | 0.52      | 342      | 0.062      | 1       | 2.41       | 0.009     | 0.06      | 0.1     | 0.03     | 4.9      | 0.1      | 0.0249    | 6        |
| 11TB0200  | 0.4      | 0.1      | 78      | 0.35       | 0.039      | 21       | 42       | 0.81      | 270      | 0.094      | 0.49    | 2.47       | 0.014     | 0.1       | 0.049   | 0.05     | 7.7      | 0.049    | 0.0249    | 7        |
| 11TB0199  | 0.3      | 0.1      | 85      | 0.38       | 0.035      | 17       | 41       | 0.95      | 319      | 0.114      | 0.49    | 2.27       | 0.014     | 0.09      | 0.1     | 0.02     | 6.8      | 0.1      | 0.0249    | 7        |
| 11TB0198  | 0.3      | 0.1      | 86      | 0.41       | 0.076      | 25       | 70       | 1.08      | 408      | 0.105      | 1       | 2.42       | 0.011     | 0.12      | 0.049   | 0.02     | 7.9      | 0.2      | 0.0249    | 7        |
| 11TB0197  | 0.3      | 0.1      | 76      | 0.36       | 0.049      | 18       | 43       | 0.9       | 292      | 0.112      | 0.49    | 2.17       | 0.012     | 0.1       | 0.1     | 0.03     | 5.7      | 0.049    | 0.0249    | 6        |
| 11TB0196  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11TB0195  | 0.2      | 0.1      | 71      | 0.5        | 0.068      | 12       | 47       | 1.03      | 367      | 0.11       | 1       | 2.39       | 0.014     | 0.11      | 0.1     | 0.02     | 3.3      | 0.2      | 0.0249    | 6        |
| 11TB0194  | 0.2      | 0.049    | 76      | 1.13       | 0.086      | 8        | 22       | 1.1       | 525      | 0.194      | 0.49    | 2.7        | 0.041     | 0.38      | 0.1     | 0.04     | 3        | 0.4      | 0.07      | 6        |
| 11TB0193  | 0.1      | 0.1      | 18      | 0.97       | 0.057      | 4        | 21       | 0.2       | 258      | 0.032      | 2       | 0.5        | 0.011     | 0.04      | 0.049   | 0.04     | 1.4      | 0.049    | 0.15      | 3        |
| 11TB0192  | 0.2      | 0.049    | 59      | 1.17       | 0.093      | 8        | 31       | 0.86      | 574      | 0.101      | 0.49    | 1.95       | 0.017     | 0.11      | 0.1     | 0.05     | 3.5      | 0.2      | 0.09      | 6        |
| 11TB0191  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11TB0190  | 0.5      | 0.5      | 76      | 0.15       | 0.051      | 11       | 32       | 0.26      | 251      | 0.064      | 2       | 1.13       | 0.005     | 0.07      | 0.2     | 0.02     | 2.3      | 0.049    | 0.0249    | 6        |
| 11TB0189  | 0.4      | 0.1      | 74      | 1.1        | 0.232      | 28       | 51       | 0.62      | 1113     | 0.022      | 3       | 1.69       | 0.012     | 0.14      | 0.049   | 0.07     | 13.8     | 0.1      | 0.08      | 4        |
| 11TB0188  | 0.2      | 0.049    | 51      | 0.33       | 0.026      | 9        | 22       | 0.73      | 191      | 0.129      | 0.49    | 1.89       | 0.009     | 0.19      | 0.1     | 0.02     | 2.8      | 0.049    | 0.0249    | 7        |
| 11TB0187  | 0.2      | 0.049    | 106     | 0.85       | 0.109      | 10       | 18       | 1.81      | 643      | 0.149      | 2       | 2.6        | 0.015     | 0.45      | 0.049   | 0.01     | 9.3      | 0.1      | 0.0249    | 10       |
| 11TB0186  | 0.5      | 0.1      | 77      | 0.3        | 0.028      | 9        | 47       | 0.58      | 331      | 0.052      | 1       | 2.29       | 0.007     | 0.11      | 0.1     | 0.02     | 4.2      | 0.049    | 0.0249    | 6        |
| 11TB0185  | 0.3      | 0.049    | 57      | 0.22       | 0.019      | 17       | 51       | 0.69      | 274      | 0.061      | 0.49    | 1.42       | 0.011     | 0.11      | 0.049   | 0.02     | 4.8      | 0.049    | 0.0249    | 4        |
| 11TB0184  | 0.3      | 0.049    | 86      | 0.46       | 0.079      | 10       | 60       | 1.3       | 370      | 0.082      | 1       | 2.52       | 0.015     | 0.1       | 0.049   | 0.01     | 6.1      | 0.049    | 0.0249    | 8        |
| 11TB0183  | 0.3      | 0.049    | 60      | 0.5        | 0.02       | 8        | 34       | 0.74      | 231      | 0.067      | 1       | 2.14       | 0.011     | 0.11      | 0.049   | 0.01     | 3.8      | 0.049    | 0.0249    | 6        |
| 11TB0182  | 0.4      | 0.1      | 77      | 0.23       | 0.028      | 7        | 40       | 0.65      | 205      | 0.091      | 2       | 2.34       | 0.009     | 0.09      | 0.049   | 0.0049   | 3.1      | 0.049    | 0.0249    | 6        |
| 11TB0180  | 0.4      | 0.1      | 80      | 0.28       | 0.029      | 12       | 34       | 0.74      | 208      | 0.128      | 0.49    | 2.15       | 0.011     | 0.13      | 0.1     | 0.01     | 3.5      | 0.049    | 0.0249    | 6        |
| 11TB0179  | 0.2      | 0.049    | 104     | 0.37       | 0.028      | 11       | 31       | 1.24      | 607      | 0.186      | 1       | 2.54       | 0.013     | 0.31      | 0.2     | 0.02     | 5.7      | 0.1      | 0.0249    | 9        |
| 11TB0178  | 0.4      | 0.1      | 54      | 1.17       | 0.076      | 14       | 24       | 0.55      | 818      | 0.042      | 3       | 1.43       | 0.006     | 0.26      | 0.049   | 0.01     | 3.6      | 0.1      | 0.0249    | 4        |
| 11TB0177  | 0.4      | 0.1      | 55      | 0.23       | 0.027      | 14       | 24       | 0.34      | 324      | 0.017      | 2       | 1.55       | 0.006     | 0.09      | 0.049   | 0.04     | 3.4      | 0.049    | 0.0249    | 4        |
| 11TB0176  | 4.6      | 0.1      | 72      | 0.28       | 0.084      | 12       | 30       | 0.41      | 317      | 0.005      | 1       | 1.57       | 0.005     | 0.13      | 0.049   | 0.04     | 11       | 0.1      | 0.0249    | 3        |
| 11TB0175  | 0.4      | 0.1      | 80      | 0.15       | 0.02       | 13       | 41       | 0.77      | 284      | 0.083      | 0.49    | 2.54       | 0.007     | 0.11      | 0.049   | 0.03     | 5.1      | 0.1      | 0.0249    | 7        |
| 11TB0174  | 0.4      | 0.1      | 70      | 0.11       | 0.021      | 9        | 34       | 0.6       | 228      | 0.07       | 0.49    | 2.02       | 0.006     | 0.07      | 0.1     | 0.02     | 3.6      | 0.049    | 0.0249    | 6        |
| 11TB0173  | 0.3      | 0.2      | 58      | 0.12       | 0.018      | 14       | 44       | 0.96      | 215      | 0.109      | 1       | 2.31       | 0.008     | 0.15      | 0.049   | 0.01     | 4.5      | 0.1      | 0.0249    | 6        |
| 11TB0172  | 0.4      | 0.2      | 68      | 0.16       | 0.022      | 8        | 39       | 0.76      | 244      | 0.096      | 2       | 2.35       | 0.008     | 0.1       | 0.1     | 0.04     | 4        | 0.1      | 0.0249    | 6        |
| 11TB0171  | 0.5      | 0.2      | 68      | 0.13       | 0.021      | 10       | 33       | 0.5       | 258      | 0.056      | 2       | 2.2        | 0.006     | 0.07      | 0.1     | 0.03     | 3.2      | 0.049    | 0.0249    | 6        |
| 11TB0170  | 0.6      | 0.2      | 71      | 0.09       | 0.036      | 8        | 31       | 0.6       | 183      | 0.053      | 0.49    | 2.33       | 0.005     | 0.08      | 0.2     | 0.02     | 2.8      | 0.1      | 0.0249    | 7        |
| 11TB0169  | 0.3      | 0.1      | 53      | 0.18       | 0.035      | 10       | 33       | 0.53      | 323      | 0.042      | 0.49    | 1.91       | 0.007     | 0.06      | 0.2     | 0.02     | 3        | 0.049    | 0.0249    | 5        |
| 11TB0168  | 0.2      | 0.1      | 71      | 0.69       | 0.079      | 9        | 26       | 0.71      | 619      | 0.07       | 2       | 1.64       | 0.013     | 0.07      | 0.1     | 0.05     | 3.9      | 0.049    | 0.0249    | 6        |
| 11TB0167  | 0.2      | 0.049    | 112     | 0.47       | 0.075      | 6        | 36       | 1.23      | 476      | 0.175      | 1       | 2.03       | 0.011     | 0.18      | 0.1     | 0.01     | 4.2      | 0.049    | 0.0249    | 7        |
| 11TB0166  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11TB0165  | 0.3      | 0.049    | 99      | 0.2        | 0.038      | 8        | 53       | 1.28      | 280      | 0.136      | 0.49    | 3.19       | 0.012     | 0.17      | 0.049   | 0.02     | 5        | 0.1      | 0.0249    | 9        |
| 11TB0164  | 0.4      | 0.1      | 96      | 0.2        | 0.035      | 8        | 45       | 0.91      | 323      | 0.115      | 0.49    | 2.43       | 0.014     | 0.14      | 0.1     | 0.02     | 4.1      | 0.1      | 0.0249    | 9        |
| 11TB0163  | 0.4      | 0.1      | 73      | 0.25       | 0.034      | 8        | 37       | 0.84      | 294      | 0.091      | 0.49    | 2.32       | 0.014     | 0.12      | 0.049   | 0.02     | 3.6      | 0.1      | 0.0249    | 7        |
| 11Tb0162  | 0.3      | 0.049    | 86      | 0.5        | 0.062      | 18       | 25       | 1.09      | 524      | 0.154      | 1       | 2.34       | 0.013     | 0.39      | 0.1     | 0.02     | 7.2      | 0.2      | 0.0249    | 9        |
| 11TB0160  | 0.9      | 0.1      | 65      | 0.16       | 0.024      | 13       | 28       | 0.51      | 304      | 0.061      | 0.49    | 1.99       | 0.01      | 0.11      | 0.049   | 0.03     | 4.7      | 0.1      | 0.0249    | 6        |
| 11TB0159  | 0.2      | 0.049    | 91      | 0.91       | 0.154      | 6        | 16       | 1.35      | 450      | 0.19       | 2       | 2.6        | 0.022     | 0.13      | 0.049   | 0.01     | 7.3      | 0.049    | 0.0249    | 11       |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0158  | 0.3      | 0.1      | 92      | 0.43       | 0.054      | 5        | 24       | 0.82      | 280      | 0.201      | 0.49    | 2.44       | 0.019     | 0.15      | 0.1     | 0.03     | 2.7      | 0.1      | 0.0249    | 8        |
| 11TB0157  | 0.5      | 0.1      | 70      | 0.21       | 0.023      | 8        | 42       | 0.71      | 154      | 0.131      | 0.49    | 2.41       | 0.011     | 0.13      | 0.1     | 0.02     | 3        | 0.1      | 0.0249    | 7        |
| 11TB0156  | 0.4      | 0.1      | 73      | 0.22       | 0.021      | 11       | 32       | 0.91      | 292      | 0.104      | 0.49    | 2.29       | 0.014     | 0.08      | 0.049   | 0.02     | 4.3      | 0.1      | 0.0249    | 8        |
| 11TB0155  | 0.3      | 0.1      | 59      | 0.16       | 0.03       | 7        | 30       | 0.44      | 266      | 0.045      | 0.49    | 2.17       | 0.01      | 0.12      | 0.049   | 0.01     | 2        | 0.049    | 0.0249    | 7        |
| 11TB0154  | 0.1      | 0.049    | 61      | 0.21       | 0.028      | 10       | 48       | 0.97      | 148      | 0.073      | 0.49    | 1.66       | 0.017     | 0.1       | 0.049   | 0.0049   | 3.8      | 0.049    | 0.0249    | 5        |
| 11TB0153  | 0.4      | 0.049    | 104     | 0.28       | 0.027      | 7        | 24       | 0.8       | 418      | 0.073      | 0.49    | 2.27       | 0.014     | 0.22      | 0.049   | 0.01     | 8        | 0.1      | 0.0249    | 9        |
| 11TB0152  | 0.3      | 0.049    | 102     | 0.22       | 0.028      | 10       | 15       | 0.92      | 362      | 0.054      | 1       | 2.54       | 0.01      | 0.31      | 0.049   | 0.01     | 12.7     | 0.1      | 0.0249    | 7        |
| 11TB0151  | 0.4      | 0.1      | 97      | 0.2        | 0.025      | 10       | 44       | 0.74      | 277      | 0.096      | 2       | 2.63       | 0.012     | 0.07      | 0.1     | 0.03     | 5.4      | 0.1      | 0.0249    | 8        |
| 11TB0150  | 0.4      | 0.1      | 92      | 0.29       | 0.048      | 9        | 61       | 1.01      | 252      | 0.113      | 0.49    | 3.07       | 0.022     | 0.07      | 0.1     | 0.02     | 4.8      | 0.049    | 0.0249    | 8        |
| 11TB0149  | 0.1      | 0.049    | 49      | 0.28       | 0.058      | 3        | 15       | 0.83      | 226      | 0.074      | 0.49    | 2.39       | 0.008     | 0.21      | 0.049   | 0.01     | 1.2      | 0.1      | 0.0249    | 8        |
| 11TB0148  | 0.3      | 0.1      | 59      | 0.21       | 0.044      | 10       | 27       | 0.69      | 217      | 0.079      | 0.49    | 2.34       | 0.011     | 0.23      | 0.049   | 0.02     | 2.9      | 0.2      | 0.0249    | 8        |
| 11TB0147  | 0.3      | 0.049    | 77      | 0.38       | 0.047      | 10       | 30       | 0.86      | 317      | 0.128      | 0.49    | 2.34       | 0.016     | 0.09      | 0.049   | 0.02     | 3.8      | 0.049    | 0.0249    | 7        |
| 11TB0146  | 0.3      | 0.049    | 68      | 0.31       | 0.033      | 12       | 32       | 0.85      | 305      | 0.121      | 2       | 1.94       | 0.014     | 0.15      | 0.049   | 0.02     | 4.4      | 0.1      | 0.0249    | 6        |
| 11TB0145  | 0.3      | 0.1      | 67      | 0.25       | 0.028      | 11       | 36       | 0.65      | 329      | 0.104      | 0.49    | 1.96       | 0.012     | 0.13      | 0.1     | 0.02     | 3.7      | 0.1      | 0.0249    | 7        |
| 11TB0144  | 0.3      | 0.1      | 68      | 0.24       | 0.027      | 12       | 36       | 0.68      | 345      | 0.081      | 0.49    | 2.07       | 0.011     | 0.11      | 0.1     | 0.02     | 3.9      | 0.1      | 0.0249    | 6        |
| 11TB0143  | 0.3      | 0.1      | 60      | 0.22       | 0.042      | 15       | 33       | 0.68      | 481      | 0.065      | 0.49    | 1.76       | 0.009     | 0.11      | 0.1     | 0.01     | 4.7      | 0.1      | 0.0249    | 6        |
| 11TB0142  | 0.3      | 0.2      | 73      | 0.52       | 0.093      | 22       | 65       | 0.67      | 1354     | 0.057      | 0.49    | 2.1        | 0.01      | 0.11      | 0.1     | 0.03     | 6.1      | 0.3      | 0.0249    | 6        |
| 11TB0140  | 0.3      | 0.1      | 62      | 0.26       | 0.037      | 14       | 30       | 0.96      | 435      | 0.101      | 0.49    | 2          | 0.01      | 0.16      | 0.1     | 0.02     | 5.5      | 0.1      | 0.0249    | 6        |
| 11TB0139  | 0.4      | 0.1      | 66      | 0.13       | 0.018      | 9        | 35       | 0.69      | 228      | 0.092      | 3       | 2.29       | 0.011     | 0.09      | 0.1     | 0.02     | 3.2      | 0.1      | 0.0249    | 6        |
| 11TB0138  | 0.5      | 0.2      | 72      | 0.11       | 0.034      | 9        | 30       | 0.63      | 178      | 0.083      | 2       | 1.55       | 0.007     | 0.1       | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 7        |
| 11TB0137  | 0.5      | 0.1      | 78      | 0.14       | 0.063      | 9        | 37       | 0.76      | 225      | 0.079      | 0.49    | 2.7        | 0.01      | 0.11      | 0.1     | 0.03     | 4.4      | 0.049    | 0.0249    | 8        |
| 11TB0136  | 0.3      | 0.2      | 71      | 0.15       | 0.078      | 12       | 47       | 0.47      | 233      | 0.064      | 0.49    | 1.62       | 0.01      | 0.09      | 0.049   | 0.02     | 2.6      | 0.049    | 0.0249    | 7        |
| 11TB0135  | 0.3      | 0.1      | 85      | 0.45       | 0.066      | 15       | 61       | 0.91      | 502      | 0.07       | 0.49    | 2.32       | 0.016     | 0.09      | 0.1     | 0.05     | 7.1      | 0.1      | 0.0249    | 7        |
| 11TB0134  | 0.3      | 0.1      | 103     | 0.36       | 0.07       | 8        | 35       | 0.99      | 261      | 0.15       | 0.49    | 2.36       | 0.017     | 0.2       | 0.1     | 0.02     | 4.4      | 0.1      | 0.0249    | 7        |
| 11TB0133  | 0.2      | 0.049    | 110     | 0.55       | 0.1        | 7        | 40       | 1.29      | 373      | 0.205      | 1       | 2.59       | 0.017     | 0.52      | 0.1     | 0.03     | 4.1      | 0.2      | 0.0249    | 8        |
| 11TB0132  | 0.3      | 0.1      | 94      | 0.34       | 0.052      | 9        | 34       | 0.85      | 247      | 0.138      | 0.49    | 2.27       | 0.015     | 0.09      | 0.1     | 0.02     | 3.4      | 0.049    | 0.0249    | 7        |
| 11TB0131  | 0.4      | 0.2      | 87      | 0.2        | 0.055      | 6        | 27       | 0.94      | 312      | 0.152      | 2       | 2.26       | 0.009     | 0.26      | 0.1     | 0.01     | 5.8      | 0.1      | 0.0249    | 8        |
| 11TB0130  | 0.4      | 0.1      | 96      | 0.27       | 0.046      | 10       | 47       | 0.95      | 183      | 0.138      | 1       | 2.48       | 0.016     | 0.09      | 0.049   | 0.0049   | 5.2      | 0.049    | 0.0249    | 8        |
| 11TB0129  | 0.4      | 0.1      | 63      | 0.38       | 0.058      | 14       | 37       | 0.57      | 458      | 0.076      | 1       | 1.65       | 0.015     | 0.08      | 0.1     | 0.02     | 4.5      | 0.049    | 0.0249    | 5        |
| 11TB0128  | 0.4      | 0.1      | 75      | 0.25       | 0.039      | 11       | 38       | 1.07      | 282      | 0.206      | 1       | 2.51       | 0.014     | 0.29      | 0.049   | 0.02     | 7.4      | 0.1      | 0.0249    | 9        |
| 11TB0127  | 0.5      | 0.2      | 83      | 0.36       | 0.041      | 13       | 39       | 0.77      | 255      | 0.128      | 0.49    | 2.14       | 0.019     | 0.07      | 0.1     | 0.01     | 6.1      | 0.049    | 0.0249    | 6        |
| 11TB0126  | 0.3      | 0.1      | 90      | 0.28       | 0.047      | 12       | 37       | 0.89      | 287      | 0.113      | 1       | 2.13       | 0.017     | 0.09      | 0.049   | 0.02     | 5.2      | 0.049    | 0.0249    | 7        |
| 11TB0125  | 0.3      | 0.1      | 61      | 0.42       | 0.042      | 12       | 33       | 0.51      | 419      | 0.077      | 0.49    | 1.57       | 0.015     | 0.06      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 5        |
| 11TB0124  | 0.3      | 0.2      | 56      | 0.5        | 0.048      | 14       | 29       | 0.57      | 577      | 0.059      | 3       | 1.86       | 0.012     | 0.08      | 0.1     | 0.03     | 5        | 0.049    | 0.07      | 6        |
| 11TB0123  | 0.3      | 0.2      | 67      | 0.37       | 0.034      | 17       | 30       | 0.59      | 476      | 0.1        | 1       | 1.86       | 0.013     | 0.15      | 0.1     | 0.02     | 5.5      | 0.1      | 0.0249    | 6        |
| 11TB0122  | 0.3      | 0.2      | 66      | 0.36       | 0.039      | 20       | 29       | 0.69      | 497      | 0.131      | 0.49    | 1.86       | 0.013     | 0.29      | 0.1     | 0.02     | 6.8      | 0.2      | 0.0249    | 6        |
| 11TB0120  | 0.3      | 0.1      | 71      | 0.26       | 0.031      | 13       | 34       | 0.69      | 335      | 0.116      | 1       | 1.95       | 0.013     | 0.16      | 0.1     | 0.02     | 5.3      | 0.1      | 0.0249    | 6        |
| 11TB0119  | 0.2      | 0.1      | 73      | 0.28       | 0.052      | 21       | 40       | 0.81      | 461      | 0.084      | 1       | 2.1        | 0.013     | 0.24      | 0.049   | 0.03     | 8.6      | 0.1      | 0.0249    | 6        |
| 11TB0118  | 0.2      | 0.2      | 68      | 0.38       | 0.051      | 26       | 30       | 0.73      | 449      | 0.116      | 2       | 1.76       | 0.011     | 0.26      | 0.049   | 0.03     | 5.8      | 0.1      | 0.0249    | 7        |
| 11TB0117  | 0.4      | 0.2      | 78      | 0.29       | 0.04       | 13       | 35       | 0.73      | 244      | 0.101      | 1       | 2.11       | 0.014     | 0.06      | 0.1     | 0.02     | 5.6      | 0.049    | 0.0249    | 6        |
| 11TB0116  | 0.3      | 0.1      | 69      | 0.7        | 0.09       | 16       | 32       | 0.71      | 529      | 0.077      | 0.49    | 2.03       | 0.015     | 0.11      | 0.049   | 0.04     | 6.9      | 0.049    | 0.0249    | 6        |
| 11TB0115  | 0.3      | 0.2      | 61      | 0.45       | 0.058      | 22       | 29       | 0.61      | 539      | 0.087      | 2       | 1.91       | 0.013     | 0.23      | 0.1     | 0.05     | 7.3      | 0.2      | 0.0249    | 6        |
| 11TB0114  | 0.4      | 0.2      | 68      | 0.22       | 0.026      | 13       | 31       | 0.59      | 300      | 0.105      | 1       | 1.7        | 0.011     | 0.15      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |
| 11TB0113  | 0.3      | 0.2      | 83      | 0.34       | 0.055      | 28       | 62       | 0.97      | 458      | 0.128      | 1       | 2.01       | 0.015     | 0.24      | 0.1     | 0.02     | 6.8      | 0.2      | 0.0249    | 8        |
| 11TB0112  | 0.2      | 0.2      | 89      | 0.34       | 0.056      | 14       | 24       | 1.15      | 409      | 0.241      | 0.49    | 2.46       | 0.015     | 0.78      | 0.2     | 0.0049   | 7.1      | 0.4      | 0.0249    | 9        |
| 11TB0111  | 0.4      | 0.2      | 90      | 0.19       | 0.055      | 11       | 31       | 0.75      | 430      | 0.154      | 2       | 2.02       | 0.011     | 0.25      | 0.1     | 0.02     | 5.4      | 0.2      | 0.0249    | 9        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0110  | 0.4      | 0.1      | 68      | 0.42       | 0.067      | 14       | 32       | 0.64      | 256      | 0.097      | 2       | 1.7        | 0.019     | 0.06      | 0.2     | 0.03     | 5.3      | 0.049    | 0.0249    | 5        |
| 11TB0109  | 0.3      | 0.1      | 69      | 0.3        | 0.05       | 13       | 29       | 0.66      | 214      | 0.091      | 1       | 1.7        | 0.014     | 0.09      | 0.1     | 0.02     | 4.9      | 0.049    | 0.0249    | 6        |
| 11TB0108  | 0.3      | 0.1      | 71      | 0.49       | 0.073      | 14       | 29       | 0.71      | 372      | 0.077      | 2       | 1.77       | 0.015     | 0.12      | 0.1     | 0.02     | 6        | 0.049    | 0.0249    | 6        |
| 11TB0107  | 0.3      | 0.2      | 57      | 0.75       | 0.08       | 25       | 29       | 0.59      | 621      | 0.073      | 1       | 1.8        | 0.014     | 0.17      | 0.1     | 0.07     | 7.5      | 0.1      | 0.0249    | 6        |
| 11TB0106  | 0.4      | 0.2      | 94      | 0.41       | 0.024      | 6        | 87       | 1.36      | 234      | 0.195      | 1       | 2.36       | 0.021     | 0.12      | 0.049   | 0.02     | 3.9      | 0.049    | 0.1       | 8        |
| 11TB0105  | 0.4      | 0.2      | 70      | 0.27       | 0.028      | 14       | 31       | 0.74      | 328      | 0.105      | 2       | 1.93       | 0.012     | 0.17      | 0.1     | 0.02     | 6.6      | 0.1      | 0.0249    | 7        |
| 11TB0104  | 0.5      | 0.2      | 61      | 0.19       | 0.056      | 20       | 22       | 0.82      | 317      | 0.173      | 1       | 1.82       | 0.007     | 0.71      | 0.049   | 0.02     | 8.4      | 0.3      | 0.0249    | 8        |
| 11TB0103  | 0.3      | 0.2      | 59      | 0.34       | 0.051      | 13       | 26       | 0.46      | 369      | 0.071      | 2       | 1.36       | 0.011     | 0.21      | 0.1     | 0.01     | 3.1      | 0.049    | 0.0249    | 6        |
| 11TB0102  | 0.4      | 0.2      | 41      | 0.15       | 0.045      | 24       | 18       | 0.38      | 460      | 0.044      | 1       | 1.43       | 0.01      | 0.27      | 0.049   | 0.0049   | 3.5      | 0.1      | 0.0249    | 5        |
| 11TB0100  | 0.3      | 0.2      | 59      | 0.29       | 0.062      | 16       | 24       | 0.45      | 411      | 0.081      | 2       | 1.4        | 0.012     | 0.19      | 0.1     | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11TB0099  | 0.2      | 0.1      | 64      | 0.23       | 0.07       | 15       | 25       | 0.8       | 348      | 0.136      | 1       | 1.88       | 0.009     | 0.52      | 0.1     | 0.0049   | 7.3      | 0.2      | 0.0249    | 7        |
| 11TB0098  | 0.3      | 0.1      | 67      | 0.22       | 0.044      | 10       | 33       | 0.64      | 331      | 0.103      | 0.49    | 1.75       | 0.011     | 0.1       | 0.2     | 0.0049   | 3.8      | 0.049    | 0.0249    | 6        |
| 11TB0097  | 0.2      | 0.049    | 76      | 0.2        | 0.06       | 11       | 59       | 1.17      | 342      | 0.154      | 2       | 2.21       | 0.01      | 0.17      | 0.1     | 0.0049   | 5.8      | 0.1      | 0.0249    | 7        |
| 11TB0096  | 0.3      | 0.1      | 64      | 0.15       | 0.043      | 10       | 41       | 0.68      | 225      | 0.086      | 2       | 1.86       | 0.01      | 0.08      | 0.1     | 0.0049   | 3.9      | 0.049    | 0.0249    | 7        |
| 11TB0095  | 0.3      | 0.1      | 70      | 0.09       | 0.048      | 10       | 34       | 0.68      | 134      | 0.077      | 1       | 1.72       | 0.009     | 0.07      | 0.2     | 0.0049   | 2.9      | 0.049    | 0.0249    | 7        |
| 11TB0094  | 0.5      | 0.1      | 79      | 0.11       | 0.037      | 12       | 80       | 0.88      | 217      | 0.114      | 1       | 2.05       | 0.009     | 0.09      | 0.049   | 0.0049   | 3.7      | 0.049    | 0.0249    | 7        |
| 11TB0093  | 0.4      | 0.1      | 54      | 0.1        | 0.031      | 8        | 28       | 0.55      | 202      | 0.065      | 0.49    | 2.12       | 0.011     | 0.06      | 0.1     | 0.03     | 3        | 0.049    | 0.0249    | 5        |
| 11TB0092  | 0.2      | 0.2      | 49      | 0.09       | 0.031      | 8        | 16       | 0.32      | 86       | 0.067      | 0.49    | 1.02       | 0.008     | 0.1       | 0.1     | 0.0049   | 1.7      | 0.049    | 0.06      | 6        |
| 11TB0091  | 0.4      | 0.1      | 53      | 0.2        | 0.063      | 11       | 25       | 0.77      | 232      | 0.081      | 1       | 1.89       | 0.011     | 0.13      | 0.1     | 0.0049   | 3.7      | 0.049    | 0.07      | 6        |
| 11TB0090  | 0.2      | 0.049    | 31      | 0.13       | 0.039      | 9        | 14       | 0.44      | 145      | 0.059      | 0.49    | 1.09       | 0.009     | 0.09      | 0.049   | 0.02     | 1.9      | 0.049    | 0.0249    | 5        |
| 11TB0089  | 0.3      | 0.1      | 68      | 0.1        | 0.032      | 10       | 22       | 0.54      | 126      | 0.13       | 0.49    | 1.75       | 0.009     | 0.14      | 0.1     | 0.01     | 3.7      | 0.049    | 0.0249    | 7        |
| 11TB0088  | 0.3      | 0.049    | 75      | 0.17       | 0.031      | 9        | 26       | 0.82      | 181      | 0.151      | 0.49    | 2.06       | 0.011     | 0.17      | 0.1     | 0.0049   | 4.1      | 0.049    | 0.0249    | 7        |
| 11TB0087  | 0.3      | 0.049    | 58      | 0.18       | 0.029      | 11       | 23       | 0.73      | 192      | 0.123      | 0.49    | 1.76       | 0.01      | 0.15      | 0.1     | 0.0049   | 3.6      | 0.049    | 0.0249    | 6        |
| 11TB0086  | 0.3      | 0.1      | 58      | 0.14       | 0.032      | 11       | 19       | 0.7       | 177      | 0.119      | 0.49    | 1.66       | 0.008     | 0.26      | 0.1     | 0.01     | 3.6      | 0.1      | 0.0249    | 7        |
| 11TB0085  | 0.3      | 0.2      | 50      | 0.09       | 0.029      | 10       | 17       | 0.26      | 122      | 0.067      | 0.49    | 1.18       | 0.007     | 0.07      | 0.049   | 0.01     | 1.8      | 0.049    | 0.0249    | 7        |
| 11TB0084  | 0.5      | 0.1      | 65      | 0.1        | 0.083      | 9        | 29       | 0.43      | 196      | 0.059      | 0.49    | 1.93       | 0.009     | 0.08      | 0.1     | 0.01     | 2.6      | 0.049    | 0.0249    | 7        |
| 11TB0083  | 0.4      | 0.049    | 65      | 0.34       | 0.06       | 21       | 83       | 0.94      | 547      | 0.096      | 0.49    | 1.78       | 0.016     | 0.06      | 0.1     | 0.02     | 6.2      | 0.049    | 0.0249    | 6        |
| 11TB0082  | 0.3      | 0.1      | 75      | 0.26       | 0.088      | 13       | 84       | 1.15      | 314      | 0.092      | 1       | 2.07       | 0.008     | 0.13      | 0.049   | 0.02     | 5.9      | 0.1      | 0.0249    | 8        |
| 11TB0081  | 0.4      | 0.2      | 60      | 0.19       | 0.036      | 12       | 39       | 0.66      | 328      | 0.075      | 0.49    | 1.97       | 0.01      | 0.06      | 0.1     | 0.02     | 4        | 0.049    | 0.0249    | 6        |
| 11TB0080  | 0.4      | 0.7      | 58      | 0.24       | 0.032      | 10       | 23       | 0.44      | 242      | 0.076      | 0.49    | 1.73       | 0.009     | 0.14      | 0.1     | 0.01     | 3.1      | 0.1      | 0.0249    | 7        |
| 11TB0079  | 0.3      | 0.049    | 59      | 0.29       | 0.055      | 9        | 43       | 1.05      | 276      | 0.152      | 0.49    | 1.99       | 0.012     | 0.5       | 0.1     | 0.0049   | 4.3      | 0.3      | 0.0249    | 7        |
| 11TB0078  | 0.4      | 0.1      | 63      | 0.15       | 0.033      | 11       | 30       | 0.61      | 306      | 0.104      | 0.49    | 1.92       | 0.01      | 0.17      | 0.1     | 0.01     | 4        | 0.049    | 0.0249    | 7        |
| 11TB0077  | 0.1      | 0.049    | 93      | 0.37       | 0.074      | 9        | 29       | 1.47      | 473      | 0.224      | 0.49    | 2.11       | 0.014     | 0.78      | 0.049   | 0.0049   | 7.6      | 0.3      | 0.0249    | 8        |
| 11TB0076  | 0.3      | 0.1      | 64      | 0.41       | 0.088      | 15       | 53       | 1.25      | 305      | 0.044      | 0.49    | 2.08       | 0.011     | 0.12      | 0.049   | 0.0049   | 5.1      | 0.049    | 0.0249    | 7        |
| 11TB0075  | 0.4      | 0.049    | 35      | 1.09       | 0.063      | 38       | 23       | 0.43      | 959      | 0.028      | 3       | 1.5        | 0.012     | 0.21      | 0.049   | 0.03     | 8.7      | 0.049    | 0.0249    | 5        |
| 11TB0074  | 0.7      | 0.2      | 76      | 0.14       | 0.035      | 10       | 42       | 0.68      | 214      | 0.09       | 3       | 2.3        | 0.008     | 0.09      | 0.2     | 0.01     | 3.4      | 0.049    | 0.0249    | 7        |
| 11TB0073  | 0.5      | 0.2      | 74      | 0.14       | 0.031      | 9        | 39       | 0.67      | 198      | 0.094      | 4       | 2.25       | 0.009     | 0.08      | 0.2     | 0.02     | 3.2      | 0.1      | 0.0249    | 7        |
| 11TB0072  | 0.3      | 0.2      | 127     | 0.24       | 0.062      | 10       | 77       | 2.09      | 272      | 0.199      | 0.49    | 2.97       | 0.01      | 0.32      | 0.049   | 0.01     | 8        | 0.3      | 0.0249    | 10       |
| 11TB0071  | 0.3      | 0.1      | 71      | 0.36       | 0.061      | 27       | 56       | 0.96      | 671      | 0.134      | 0.49    | 2.13       | 0.01      | 0.17      | 0.1     | 0.03     | 6.1      | 0.2      | 0.0249    | 8        |
| 11TB0070  | 0.3      | 0.2      | 87      | 0.24       | 0.03       | 15       | 51       | 1.15      | 435      | 0.182      | 0.49    | 2.58       | 0.009     | 0.38      | 0.1     | 0.01     | 7.8      | 0.3      | 0.0249    | 8        |
| 11TB0069  | 0.4      | 0.2      | 65      | 0.26       | 0.043      | 13       | 27       | 0.53      | 343      | 0.103      | 1       | 1.81       | 0.01      | 0.17      | 0.1     | 0.03     | 3.4      | 0.1      | 0.0249    | 7        |
| 11TB0068  | 0.4      | 0.5      | 62      | 0.18       | 0.032      | 20       | 43       | 0.83      | 252      | 0.155      | 0.49    | 1.89       | 0.01      | 0.26      | 0.1     | 0.0049   | 4.1      | 0.2      | 0.0249    | 6        |
| 11TB0067  | 0.4      | 0.1      | 64      | 0.2        | 0.025      | 33       | 32       | 0.64      | 374      | 0.133      | 0.49    | 1.7        | 0.01      | 0.24      | 0.1     | 0.02     | 4.6      | 0.1      | 0.0249    | 6        |
| 11TB0066  | 0.2      | 0.049    | 141     | 0.51       | 0.093      | 9        | 64       | 2.97      | 307      | 0.233      | 0.49    | 3.31       | 0.015     | 0.23      | 0.049   | 0.01     | 8.2      | 0.049    | 0.0249    | 12       |
| 11TB0065  | 0.3      | 0.049    | 104     | 0.39       | 0.033      | 9        | 74       | 1.73      | 412      | 0.15       | 1       | 2.49       | 0.014     | 0.17      | 0.1     | 0.01     | 7.3      | 0.049    | 0.0249    | 8        |
| 11TB0064  | 0.4      | 0.1      | 79      | 0.37       | 0.035      | 8        | 41       | 0.89      | 269      | 0.128      | 2       | 1.82       | 0.014     | 0.11      | 0.049   | 0.02     | 3.6      | 0.049    | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0063  | 0.3      | 0.1      | 88      | 0.42       | 0.092      | 23       | 71       | 1.36      | 476      | 0.061      | 0.49    | 2.36       | 0.013     | 0.15      | 0.049   | 0.03     | 8.2      | 0.049    | 0.0249    | 8        |
| 11TB0062  | 0.3      | 0.1      | 76      | 0.98       | 0.07       | 23       | 35       | 1.08      | 679      | 0.073      | 2       | 2.22       | 0.013     | 0.2       | 0.049   | 0.03     | 7.7      | 0.049    | 0.0249    | 7        |
| 11TB0061  | 0.2      | 0.049    | 84      | 0.92       | 0.081      | 23       | 46       | 1.23      | 532      | 0.138      | 1       | 2.28       | 0.031     | 0.14      | 0.049   | 0.02     | 5.9      | 0.049    | 0.0249    | 7        |
| 11TB0060  | 0.4      | 0.049    | 32      | 1.94       | 0.084      | 16       | 20       | 0.63      | 632      | 0.042      | 4       | 1.13       | 0.012     | 0.16      | 0.1     | 0.09     | 4.4      | 0.049    | 0.23      | 4        |
| 11TB0059  | 0.3      | 0.2      | 87      | 0.2        | 0.044      | 11       | 30       | 1.13      | 190      | 0.212      | 0.49    | 2.26       | 0.011     | 0.49      | 0.1     | 0.02     | 4.5      | 0.2      | 0.0249    | 8        |
| 11TB0058  | 0.4      | 0.2      | 72      | 0.22       | 0.044      | 10       | 28       | 0.8       | 168      | 0.14       | 0.49    | 2.08       | 0.01      | 0.18      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 7        |
| 11TB0057  | 0.4      | 0.2      | 95      | 0.18       | 0.031      | 8        | 51       | 1.35      | 175      | 0.149      | 0.49    | 3.01       | 0.009     | 0.19      | 0.1     | 0.01     | 6.1      | 0.2      | 0.0249    | 9        |
| 11TB0056  | 0.4      | 0.2      | 84      | 0.19       | 0.034      | 12       | 36       | 0.98      | 253      | 0.146      | 1       | 2.53       | 0.012     | 0.16      | 0.1     | 0.02     | 5        | 0.2      | 0.0249    | 8        |
| 11TB0055  | 0.4      | 0.2      | 74      | 0.15       | 0.033      | 9        | 25       | 0.53      | 148      | 0.114      | 0.49    | 1.75       | 0.015     | 0.09      | 0.1     | 0.01     | 3.2      | 0.049    | 0.0249    | 8        |
| 11TB0054  | 0.4      | 0.2      | 73      | 0.22       | 0.036      | 18       | 29       | 0.73      | 254      | 0.114      | 1       | 2.05       | 0.01      | 0.13      | 0.1     | 0.02     | 5        | 0.1      | 0.0249    | 7        |
| 11TB0053  | 0.7      | 0.2      | 89      | 0.14       | 0.05       | 10       | 37       | 0.68      | 146      | 0.112      | 2       | 1.81       | 0.009     | 0.08      | 0.1     | 0.01     | 3        | 0.1      | 0.0249    | 8        |
| 11TB0052  | 0.5      | 0.2      | 73      | 0.16       | 0.028      | 18       | 33       | 0.52      | 277      | 0.078      | 1       | 2.06       | 0.01      | 0.07      | 0.2     | 0.03     | 4.8      | 0.1      | 0.0249    | 7        |
| 11TB0051  | 0.8      | 0.2      | 81      | 0.14       | 0.047      | 14       | 38       | 0.48      | 285      | 0.054      | 1       | 2.58       | 0.009     | 0.06      | 0.2     | 0.03     | 4.6      | 0.1      | 0.0249    | 7        |
| 11TB0050  | 0.5      | 0.2      | 94      | 0.48       | 0.157      | 32       | 103      | 1.01      | 783      | 0.078      | 1       | 2.28       | 0.014     | 0.06      | 0.1     | 0.02     | 6.3      | 0.1      | 0.0249    | 8        |
| 11TB0049  | 0.3      | 0.2      | 102     | 1.46       | 0.441      | 50       | 176      | 3.11      | 1462     | 0.245      | 1       | 2.72       | 0.026     | 0.26      | 0.049   | 0.02     | 6.6      | 0.4      | 0.0249    | 8        |
| 11TB0048  | 0.5      | 0.2      | 92      | 0.24       | 0.071      | 7        | 31       | 0.81      | 269      | 0.106      | 1       | 2.16       | 0.012     | 0.16      | 0.1     | 0.01     | 4        | 0.1      | 0.0249    | 8        |
| 11TB0047  | 1        | 0.1      | 80      | 0.25       | 0.057      | 6        | 26       | 0.73      | 321      | 0.201      | 0.49    | 2.13       | 0.01      | 0.3       | 0.1     | 0.02     | 4.8      | 0.2      | 0.0249    | 9        |
| 11TB0046  | 0.6      | 0.1      | 95      | 0.15       | 0.035      | 9        | 42       | 1.03      | 256      | 0.199      | 0.49    | 2.72       | 0.011     | 0.29      | 0.1     | 0.02     | 4.9      | 0.2      | 0.0249    | 8        |
| 11TB0045  | 0.6      | 0.1      | 75      | 0.39       | 0.066      | 14       | 32       | 0.92      | 392      | 0.143      | 1       | 2.06       | 0.019     | 0.19      | 0.1     | 0.02     | 6        | 0.049    | 0.0249    | 7        |
| 11TB0044  | 0.5      | 0.1      | 99      | 0.37       | 0.102      | 4        | 37       | 1.08      | 448      | 0.23       | 0.49    | 2.47       | 0.015     | 0.45      | 0.1     | 0.01     | 5.3      | 0.2      | 0.0249    | 9        |
| 11TB0043  | 0.049    | 0.049    | 120     | 0.58       | 0.114      | 5        | 147      | 2.78      | 620      | 0.263      | 0.49    | 3.11       | 0.024     | 1.21      | 0.049   | 0.0049   | 5.1      | 0.4      | 0.0249    | 10       |
| 11TB0042  | 0.2      | 0.049    | 91      | 0.32       | 0.089      | 3        | 47       | 1.52      | 245      | 0.209      | 0.49    | 2.26       | 0.018     | 0.34      | 0.049   | 0.0049   | 3.2      | 0.2      | 0.0249    | 7        |
| 11TB0040  | 0.3      | 0.1      | 89      | 0.44       | 0.123      | 14       | 101      | 1.73      | 321      | 0.184      | 0.49    | 2.18       | 0.017     | 0.41      | 0.049   | 0.0049   | 3.1      | 0.2      | 0.0249    | 8        |
| 11TB0039  | 0.8      | 0.1      | 92      | 0.27       | 0.045      | 9        | 62       | 1.21      | 419      | 0.17       | 0.49    | 1.91       | 0.013     | 0.23      | 0.1     | 0.0049   | 4.2      | 0.2      | 0.0249    | 7        |
| 11TB0038  | 0.9      | 0.2      | 68      | 0.77       | 0.063      | 10       | 50       | 0.93      | 463      | 0.122      | 2       | 1.52       | 0.017     | 0.2       | 0.1     | 0.02     | 2.8      | 0.049    | 0.0249    | 6        |
| 11TB0037  | 0.2      | 0.049    | 93      | 0.3        | 0.094      | 6        | 25       | 1.12      | 272      | 0.263      | 0.49    | 2.14       | 0.019     | 0.68      | 0.049   | 0.0049   | 3.7      | 0.2      | 0.0249    | 8        |
| 11TB0036  | 0.6      | 0.2      | 73      | 0.34       | 0.053      | 12       | 34       | 0.73      | 405      | 0.121      | 0.49    | 1.93       | 0.016     | 0.3       | 0.1     | 0.02     | 3.3      | 0.049    | 0.0249    | 7        |
| 11TB0035  | 0.6      | 0.049    | 101     | 0.63       | 0.145      | 8        | 22       | 1.21      | 322      | 0.217      | 0.49    | 2.24       | 0.03      | 0.45      | 0.049   | 0.01     | 5.8      | 0.1      | 0.0249    | 9        |
| 11TB0034  | 0.8      | 0.2      | 71      | 0.3        | 0.032      | 13       | 31       | 0.89      | 255      | 0.125      | 0.49    | 2.14       | 0.015     | 0.1       | 0.1     | 0.02     | 6        | 0.1      | 0.0249    | 8        |
| 11TB0033  | 0.7      | 0.1      | 58      | 0.27       | 0.047      | 11       | 24       | 0.82      | 240      | 0.161      | 0.49    | 1.76       | 0.011     | 0.26      | 0.1     | 0.01     | 5.4      | 0.1      | 0.0249    | 8        |
| 11TB0032  | 0.5      | 0.1      | 66      | 0.27       | 0.047      | 9        | 26       | 0.56      | 258      | 0.101      | 1       | 1.83       | 0.011     | 0.13      | 0.1     | 0.01     | 3.7      | 0.049    | 0.0249    | 7        |
| 11TB0031  | 0.9      | 0.1      | 63      | 0.27       | 0.046      | 14       | 28       | 0.72      | 185      | 0.091      | 1       | 2.11       | 0.015     | 0.08      | 0.1     | 0.02     | 5.5      | 0.049    | 0.0249    | 7        |
| 11TB0030  | 0.7      | 0.2      | 80      | 0.28       | 0.028      | 11       | 37       | 0.6       | 464      | 0.076      | 1       | 1.94       | 0.014     | 0.09      | 0.1     | 0.03     | 4.4      | 0.049    | 0.0249    | 7        |
| 11TB0029  | 0.4      | 0.1      | 62      | 0.25       | 0.031      | 12       | 28       | 0.5       | 493      | 0.062      | 0.49    | 1.61       | 0.011     | 0.11      | 0.1     | 0.02     | 4.6      | 0.049    | 0.0249    | 6        |
| 11TB0028  | 0.5      | 0.1      | 64      | 0.34       | 0.033      | 20       | 42       | 0.74      | 785      | 0.091      | 0.49    | 2          | 0.015     | 0.1       | 0.1     | 0.02     | 5.9      | 0.049    | 0.0249    | 6        |
| 11TB0027  | 0.3      | 0.1      | 46      | 0.39       | 0.049      | 27       | 23       | 0.58      | 673      | 0.039      | 0.49    | 1.7        | 0.011     | 0.15      | 0.049   | 0.02     | 5.7      | 0.049    | 0.0249    | 6        |
| 11TB0026  | 0.4      | 0.2      | 51      | 0.59       | 0.062      | 33       | 33       | 0.55      | 1128     | 0.059      | 3       | 1.77       | 0.019     | 0.14      | 0.1     | 0.04     | 5.8      | 0.049    | 0.0249    | 5        |
| 11TB0025  | 0.7      | 0.049    | 86      | 0.73       | 0.185      | 7        | 16       | 1.7       | 753      | 0.24       | 1       | 2.7        | 0.012     | 1.01      | 0.1     | 0.0049   | 2.4      | 0.2      | 0.0249    | 7        |
| 11TB0024  | 0.3      | 0.049    | 53      | 0.37       | 0.08       | 8        | 16       | 1.04      | 491      | 0.141      | 1       | 2.26       | 0.01      | 0.58      | 0.049   | 0.01     | 2.1      | 0.1      | 0.0249    | 6        |
| 11TB0023  | 0.3      | 0.2      | 98      | 0.48       | 0.061      | 7        | 23       | 1.71      | 368      | 0.255      | 2       | 2.9        | 0.013     | 0.96      | 0.049   | 0.0049   | 3.2      | 0.4      | 0.0249    | 7        |
| 11TB0022  | 0.3      | 0.1      | 96      | 0.3        | 0.07       | 9        | 45       | 1.46      | 229      | 0.178      | 2       | 2.51       | 0.016     | 0.35      | 0.1     | 0.01     | 4.7      | 0.2      | 0.0249    | 8        |
| 11TB0020  | 0.3      | 0.2      | 63      | 0.25       | 0.045      | 14       | 29       | 0.59      | 285      | 0.113      | 0.49    | 1.78       | 0.012     | 0.19      | 0.1     | 0.02     | 3.9      | 0.1      | 0.0249    | 8        |
| 11TB0019  | 0.2      | 0.049    | 114     | 0.63       | 0.127      | 6        | 44       | 1.56      | 265      | 0.197      | 0.49    | 2.28       | 0.029     | 0.55      | 0.049   | 0.0049   | 6.1      | 0.2      | 0.0249    | 10       |
| 11TB0018  | 0.4      | 0.2      | 71      | 0.26       | 0.044      | 11       | 37       | 0.72      | 244      | 0.11       | 2       | 2.04       | 0.013     | 0.11      | 0.2     | 0.02     | 3.1      | 0.1      | 0.0249    | 6        |
| 11TB0017  | 0.3      | 0.2      | 81      | 0.38       | 0.086      | 10       | 33       | 1.05      | 302      | 0.179      | 1       | 1.97       | 0.016     | 0.24      | 0.049   | 0.02     | 4        | 0.2      | 0.0249    | 8        |
| 11TB0016  | 0.3      | 0.1      | 99      | 1.12       | 0.243      | 36       | 182      | 2.37      | 1058     | 0.167      | 2       | 2.64       | 0.021     | 0.07      | 0.1     | 0.04     | 8.6      | 0.1      | 0.0249    | 8        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11TB0015  | 0.4      | 0.2      | 76      | 0.35       | 0.062      | 16       | 63       | 1.1       | 521      | 0.067      | 0.49    | 2.1        | 0.013     | 0.07      | 0.1     | 0.02     | 6.5      | 0.049    | 0.0249    | 7        |
| 11TB0014  | 0.3      | 0.2      | 60      | 0.3        | 0.048      | 14       | 27       | 0.54      | 320      | 0.095      | 1       | 1.7        | 0.011     | 0.08      | 0.1     | 0.03     | 4        | 0.049    | 0.0249    | 7        |
| 11TB0013  | 0.3      | 0.1      | 69      | 0.35       | 0.095      | 12       | 27       | 0.91      | 389      | 0.188      | 1       | 2.14       | 0.011     | 0.32      | 0.1     | 0.01     | 5.3      | 0.2      | 0.0249    | 8        |
| 11TB0012  | 0.3      | 0.2      | 79      | 0.27       | 0.057      | 15       | 34       | 0.81      | 464      | 0.11       | 0.49    | 1.93       | 0.03      | 0.14      | 0.2     | 0.02     | 5.2      | 0.1      | 0.15      | 7        |
| 11TB0011  | 0.7      | 0.2      | 89      | 0.28       | 0.14       | 19       | 24       | 0.9       | 457      | 0.111      | 0.49    | 1.82       | 0.014     | 0.4       | 0.1     | 0.02     | 7.9      | 0.3      | 0.08      | 7        |
| 11TB0010  | 0.4      | 0.2      | 52      | 0.25       | 0.066      | 17       | 24       | 0.59      | 263      | 0.095      | 1       | 1.85       | 0.01      | 0.13      | 0.1     | 0.03     | 3.9      | 0.2      | 0.0249    | 6        |
| 11TB0009  | 0.4      | 0.2      | 64      | 0.22       | 0.041      | 22       | 27       | 0.69      | 324      | 0.119      | 1       | 1.92       | 0.01      | 0.1       | 0.1     | 0.02     | 4.9      | 0.1      | 0.0249    | 7        |
| 11TB0008  | 0.4      | 0.2      | 68      | 0.34       | 0.037      | 17       | 34       | 0.79      | 313      | 0.135      | 1       | 2.15       | 0.012     | 0.16      | 0.2     | 0.03     | 5.1      | 0.2      | 0.0249    | 7        |
| 11TB0007  | 0.4      | 0.2      | 64      | 0.29       | 0.041      | 17       | 34       | 0.72      | 329      | 0.117      | 0.49    | 1.97       | 0.012     | 0.09      | 0.2     | 0.04     | 5.3      | 0.1      | 0.0249    | 7        |
| 11TB0006  | 0.4      | 0.2      | 69      | 0.17       | 0.034      | 11       | 32       | 0.72      | 179      | 0.12       | 0.49    | 2.17       | 0.012     | 0.09      | 0.2     | 0.02     | 4.2      | 0.1      | 0.0249    | 7        |
| 11TB0005  | 0.5      | 0.2      | 74      | 0.2        | 0.036      | 12       | 31       | 0.74      | 200      | 0.147      | 0.49    | 2.22       | 0.011     | 0.1       | 0.2     | 0.02     | 4.1      | 0.1      | 0.0249    | 8        |
| 11TB0004  | 0.3      | 0.1      | 56      | 0.26       | 0.054      | 17       | 22       | 0.95      | 196      | 0.18       | 1       | 1.89       | 0.011     | 0.34      | 0.2     | 0.0049   | 5.9      | 0.3      | 0.0249    | 7        |
| 11TB0003  | 0.5      | 0.2      | 66      | 0.21       | 0.036      | 14       | 31       | 0.75      | 202      | 0.154      | 1       | 2.01       | 0.013     | 0.16      | 0.2     | 0.04     | 4.9      | 0.2      | 0.0249    | 7        |
| 11TB0002  | 0.5      | 0.2      | 79      | 0.27       | 0.042      | 15       | 40       | 0.86      | 260      | 0.151      | 2       | 2.61       | 0.013     | 0.13      | 0.2     | 0.02     | 5.4      | 0.2      | 0.0249    | 8        |
| 11TB0001  | 0.4      | 0.2      | 70      | 0.31       | 0.041      | 15       | 33       | 0.78      | 305      | 0.12       | 2       | 2.02       | 0.012     | 0.11      | 0.2     | 0.02     | 4.7      | 0.1      | 0.0249    | 8        |
| 11NG0747  | 0.5      | 0.1      | 61      | 0.23       | 0.038      | 34       | 34       | 0.62      | 302      | 0.094      | 2       | 2.13       | 0.011     | 0.09      | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 7        |
| 11NG0746  | 0.5      | 0.2      | 67      | 0.29       | 0.037      | 28       | 40       | 0.6       | 336      | 0.079      | 3       | 2.18       | 0.013     | 0.05      | 0.1     | 0.04     | 3.9      | 0.049    | 0.0249    | 6        |
| 11NG0745  | 0.5      | 0.1      | 55      | 0.31       | 0.052      | 22       | 29       | 0.55      | 253      | 0.074      | 0.49    | 1.55       | 0.013     | 0.09      | 0.2     | 0.02     | 2.5      | 0.049    | 0.0249    | 5        |
| 11NG0744  | 0.3      | 0.1      | 36      | 0.74       | 0.079      | 32       | 41       | 0.48      | 486      | 0.033      | 2       | 1.48       | 0.014     | 0.08      | 0.1     | 0.07     | 4        | 0.049    | 0.0249    | 4        |
| 11NG0743  | 0.3      | 0.1      | 38      | 0.5        | 0.045      | 41       | 22       | 0.42      | 621      | 0.039      | 2       | 1.48       | 0.014     | 0.07      | 0.049   | 0.03     | 3.9      | 0.049    | 0.0249    | 4        |
| 11NG0742  | 0.4      | 0.1      | 53      | 0.4        | 0.032      | 30       | 31       | 0.52      | 565      | 0.055      | 1       | 1.72       | 0.012     | 0.06      | 0.1     | 0.05     | 4.3      | 0.049    | 0.0249    | 5        |
| 11NG0740  | 0.5      | 0.1      | 55      | 0.28       | 0.023      | 20       | 28       | 0.54      | 365      | 0.054      | 2       | 1.67       | 0.011     | 0.06      | 0.1     | 0.02     | 3.4      | 0.049    | 0.0249    | 5        |
| 11NG0739  | 0.9      | 0.1      | 84      | 0.41       | 0.069      | 22       | 29       | 0.86      | 555      | 0.063      | 2       | 2.17       | 0.01      | 0.13      | 0.049   | 0.02     | 5.2      | 0.1      | 0.0249    | 7        |
| 11NG0738  | 0.8      | 0.2      | 59      | 0.11       | 0.045      | 14       | 31       | 0.48      | 313      | 0.03       | 3       | 3.2        | 0.009     | 0.07      | 0.1     | 0.08     | 4.2      | 0.2      | 0.0249    | 6        |
| 11NG0737  | 0.5      | 0.2      | 66      | 0.21       | 0.039      | 15       | 36       | 0.55      | 406      | 0.04       | 2       | 2.33       | 0.01      | 0.05      | 0.1     | 0.02     | 6.3      | 0.1      | 0.0249    | 6        |
| 11NG0736  | 0.4      | 0.2      | 56      | 0.19       | 0.023      | 22       | 29       | 0.43      | 255      | 0.042      | 1       | 1.69       | 0.009     | 0.04      | 0.049   | 0.03     | 2.8      | 0.1      | 0.0249    | 6        |
| 11NG0734  | 0.4      | 0.2      | 68      | 0.2        | 0.04       | 13       | 31       | 0.56      | 229      | 0.054      | 0.49    | 2.18       | 0.01      | 0.07      | 0.1     | 0.03     | 3.2      | 0.049    | 0.0249    | 6        |
| 11NG0733  | 0.4      | 0.1      | 81      | 0.47       | 0.079      | 16       | 28       | 0.8       | 520      | 0.101      | 2       | 2.13       | 0.011     | 0.18      | 0.1     | 0.04     | 7.2      | 0.1      | 0.0249    | 7        |
| 11NG0732  | 0.3      | 0.1      | 70      | 0.67       | 0.101      | 19       | 28       | 0.87      | 552      | 0.082      | 1       | 1.93       | 0.014     | 0.15      | 0.1     | 0.04     | 6.7      | 0.1      | 0.0249    | 7        |
| 11NG0731  | 0.2      | 0.2      | 63      | 0.3        | 0.065      | 11       | 44       | 0.78      | 394      | 0.079      | 2       | 1.64       | 0.011     | 0.07      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 6        |
| 11NG0730  | 0.2      | 0.1      | 104     | 0.61       | 0.127      | 11       | 105      | 1.75      | 398      | 0.181      | 2       | 2.26       | 0.016     | 0.38      | 0.1     | 0.03     | 5.9      | 0.2      | 0.0249    | 9        |
| 11NG0729  | 0.2      | 0.1      | 74      | 0.4        | 0.089      | 14       | 65       | 1.33      | 405      | 0.129      | 2       | 2.08       | 0.014     | 0.28      | 0.1     | 0.04     | 5.4      | 0.2      | 0.0249    | 7        |
| 11NG0728  | 0.3      | 0.1      | 47      | 0.67       | 0.086      | 39       | 25       | 0.61      | 711      | 0.047      | 1       | 1.5        | 0.013     | 0.11      | 0.1     | 0.06     | 3.7      | 0.049    | 0.0249    | 5        |
| 11NG0727  | 0.5      | 0.2      | 59      | 0.27       | 0.033      | 16       | 30       | 0.6       | 452      | 0.059      | 2       | 1.9        | 0.012     | 0.07      | 0.1     | 0.03     | 3.2      | 0.049    | 0.0249    | 5        |
| 11NG0726  | 0.3      | 0.1      | 51      | 0.46       | 0.057      | 19       | 31       | 0.69      | 659      | 0.027      | 1       | 1.87       | 0.011     | 0.16      | 0.049   | 0.02     | 3.6      | 0.049    | 0.0249    | 6        |
| 11NG0725  | 0.4      | 1.1      | 57      | 1.24       | 0.028      | 10       | 33       | 0.41      | 229      | 0.057      | 0.49    | 2          | 0.009     | 0.04      | 0.1     | 0.03     | 3.6      | 0.049    | 0.0249    | 6        |
| 11NG0724  | 0.3      | 1.2      | 66      | 0.43       | 0.083      | 18       | 41       | 0.7       | 404      | 0.106      | 0.49    | 2.12       | 0.015     | 0.13      | 0.2     | 0.02     | 3.8      | 0.1      | 0.0249    | 7        |
| 11NG0723  | 0.3      | 0.1      | 56      | 0.67       | 0.134      | 36       | 32       | 0.78      | 525      | 0.106      | 0.49    | 2.02       | 0.014     | 0.12      | 0.2     | 0.02     | 4.5      | 0.1      | 0.0249    | 6        |
| 11NG0722  | 0.4      | 0.2      | 57      | 0.26       | 0.03       | 19       | 30       | 0.51      | 303      | 0.054      | 0.49    | 1.8        | 0.009     | 0.06      | 0.2     | 0.03     | 3.5      | 0.049    | 0.0249    | 5        |
| 11NG0720  | 0.3      | 0.2      | 52      | 0.1        | 0.025      | 14       | 23       | 0.36      | 186      | 0.057      | 0.49    | 1.56       | 0.008     | 0.08      | 0.1     | 0.02     | 3        | 0.1      | 0.0249    | 6        |
| 11NG0719  | 0.4      | 0.1      | 64      | 0.09       | 0.026      | 14       | 30       | 0.42      | 193      | 0.05       | 0.49    | 2.18       | 0.007     | 0.09      | 0.1     | 0.01     | 3.1      | 0.1      | 0.0249    | 7        |
| 11NG0718  | 0.5      | 0.1      | 62      | 0.13       | 0.016      | 11       | 35       | 0.58      | 235      | 0.069      | 0.49    | 2.12       | 0.008     | 0.06      | 0.1     | 0.02     | 3.4      | 0.049    | 0.0249    | 6        |
| 11NG0717  | 0.4      | 0.2      | 66      | 0.12       | 0.052      | 10       | 30       | 0.48      | 229      | 0.05       | 0.49    | 2.02       | 0.008     | 0.08      | 0.1     | 0.01     | 3.1      | 0.049    | 0.0249    | 7        |
| 11NG0716  | 0.4      | 0.1      | 62      | 0.17       | 0.023      | 27       | 35       | 0.6       | 288      | 0.07       | 0.49    | 2.39       | 0.009     | 0.07      | 0.1     | 0.02     | 4.5      | 0.049    | 0.0249    | 6        |
| 11NG0715  | 0.4      | 0.1      | 75      | 0.12       | 0.033      | 19       | 41       | 0.66      | 209      | 0.068      | 0.49    | 2.22       | 0.009     | 0.09      | 0.049   | 0.02     | 3.7      | 0.1      | 0.0249    | 8        |
| 11NG0714  | 0.5      | 0.049    | 53      | 0.09       | 0.03       | 22       | 26       | 0.42      | 215      | 0.031      | 0.49    | 2.59       | 0.006     | 0.09      | 0.1     | 0.03     | 3.2      | 0.1      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0713  | 0.3      | 0.1      | 67      | 0.33       | 0.092      | 29       | 82       | 1.14      | 290      | 0.106      | 0.49    | 2.06       | 0.01      | 0.06      | 0.049   | 0.01     | 3.9      | 0.049    | 0.0249    | 6        |
| 11NG0712  | 0.4      | 0.1      | 49      | 0.11       | 0.026      | 21       | 24       | 0.35      | 150      | 0.041      | 0.49    | 1.56       | 0.008     | 0.06      | 0.049   | 0.01     | 2.6      | 0.1      | 0.0249    | 5        |
| 11NG0711  | 0.5      | 0.049    | 57      | 0.17       | 0.029      | 21       | 27       | 0.62      | 276      | 0.033      | 0.49    | 2.44       | 0.008     | 0.1       | 0.049   | 0.01     | 4.5      | 0.1      | 0.0249    | 6        |
| 11NG0710  | 0.5      | 0.1      | 52      | 0.14       | 0.027      | 15       | 30       | 0.46      | 296      | 0.044      | 0.49    | 2.04       | 0.007     | 0.09      | 0.049   | 0.02     | 3.5      | 0.049    | 0.0249    | 6        |
| 11NG0709  | 0.6      | 0.1      | 56      | 0.11       | 0.041      | 27       | 19       | 0.35      | 194      | 0.018      | 0.49    | 2.11       | 0.008     | 0.09      | 0.049   | 0.02     | 3.3      | 0.1      | 0.0249    | 7        |
| 11NG0708  | 0.6      | 0.2      | 60      | 0.15       | 0.029      | 21       | 35       | 0.5       | 431      | 0.049      | 0.49    | 2.25       | 0.009     | 0.05      | 0.1     | 0.03     | 5.4      | 0.049    | 0.0249    | 5        |
| 11NG0707  | 0.6      | 0.1      | 56      | 0.31       | 0.032      | 17       | 36       | 0.57      | 559      | 0.045      | 0.49    | 1.81       | 0.011     | 0.05      | 0.1     | 0.03     | 5.8      | 0.049    | 0.0249    | 5        |
| 11NG0706  | 0.5      | 0.1      | 73      | 0.18       | 0.032      | 12       | 36       | 0.67      | 244      | 0.043      | 0.49    | 2.49       | 0.009     | 0.06      | 0.1     | 0.02     | 5.4      | 0.1      | 0.0249    | 7        |
| 11NG0705  | 0.5      | 0.1      | 62      | 0.16       | 0.036      | 22       | 33       | 0.61      | 300      | 0.044      | 0.49    | 2.51       | 0.008     | 0.06      | 0.049   | 0.03     | 4.3      | 0.1      | 0.0249    | 6        |
| 11NG0704  | 0.5      | 0.2      | 58      | 0.13       | 0.034      | 18       | 37       | 0.51      | 295      | 0.047      | 0.49    | 2.37       | 0.009     | 0.04      | 0.2     | 0.04     | 4.6      | 0.1      | 0.0249    | 6        |
| 11NG0703  | 0.9      | 0.3      | 55      | 0.31       | 0.038      | 24       | 32       | 0.55      | 336      | 0.038      | 0.49    | 2.02       | 0.009     | 0.06      | 0.1     | 0.03     | 7.1      | 0.049    | 0.0249    | 5        |
| 11NG0702  | 0.6      | 0.2      | 62      | 0.13       | 0.024      | 14       | 37       | 0.57      | 246      | 0.062      | 0.49    | 2.65       | 0.009     | 0.06      | 0.1     | 0.03     | 4.3      | 0.1      | 0.0249    | 6        |
| 11NG0700  | 0.5      | 0.2      | 68      | 0.2        | 0.043      | 11       | 29       | 0.41      | 205      | 0.045      | 1       | 2.05       | 0.008     | 0.04      | 0.1     | 0.03     | 3        | 0.1      | 0.0249    | 8        |
| 11NG0699  | 0.5      | 0.2      | 66      | 0.19       | 0.041      | 11       | 28       | 0.4       | 197      | 0.044      | 0.49    | 1.95       | 0.008     | 0.04      | 0.1     | 0.03     | 3        | 0.1      | 0.0249    | 7        |
| 11NG0698  | 1        | 0.3      | 61      | 0.11       | 0.031      | 13       | 37       | 0.53      | 263      | 0.04       | 1       | 2.7        | 0.008     | 0.07      | 0.2     | 0.03     | 3.8      | 0.2      | 0.0249    | 6        |
| 11NG0697  | 0.5      | 0.1      | 43      | 0.13       | 0.031      | 14       | 17       | 0.33      | 199      | 0.02       | 0.49    | 2          | 0.006     | 0.08      | 0.049   | 0.02     | 2.7      | 0.1      | 0.0249    | 6        |
| 11NG0696  | 0.6      | 0.1      | 54      | 0.18       | 0.042      | 14       | 29       | 0.51      | 350      | 0.051      | 0.49    | 1.98       | 0.009     | 0.06      | 0.1     | 0.02     | 3        | 0.1      | 0.0249    | 6        |
| 11NG0695  | 0.4      | 0.1      | 56      | 0.34       | 0.055      | 25       | 39       | 0.66      | 695      | 0.069      | 0.49    | 1.81       | 0.009     | 0.06      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 5        |
| 11NG0694  | 0.4      | 0.2      | 71      | 0.15       | 0.041      | 14       | 26       | 0.53      | 279      | 0.088      | 0.49    | 1.74       | 0.008     | 0.06      | 0.1     | 0.01     | 2.6      | 0.049    | 0.0249    | 8        |
| 11NG0693  | 0.4      | 0.2      | 55      | 0.26       | 0.059      | 23       | 30       | 0.52      | 467      | 0.053      | 0.49    | 1.79       | 0.009     | 0.07      | 0.1     | 0.03     | 4        | 0.1      | 0.0249    | 6        |
| 11NG0692  | 0.3      | 0.2      | 62      | 0.41       | 0.052      | 19       | 26       | 0.51      | 394      | 0.043      | 0.49    | 1.89       | 0.011     | 0.08      | 0.049   | 0.03     | 3.5      | 0.049    | 0.0249    | 6        |
| 11NG0691  | 0.4      | 0.2      | 52      | 0.58       | 0.083      | 54       | 28       | 0.53      | 866      | 0.041      | 0.49    | 1.8        | 0.01      | 0.07      | 0.1     | 0.07     | 4.9      | 0.1      | 0.0249    | 5        |
| 11NG0690  | 0.2      | 0.3      | 17      | 0.09       | 0.079      | 45       | 12       | 0.06      | 184      | 0.015      | 1       | 0.67       | 0.011     | 0.04      | 0.049   | 0.08     | 1.2      | 0.049    | 0.07      | 3        |
| 11NG0689  | 0.3      | 0.1      | 48      | 0.6        | 0.074      | 44       | 43       | 0.71      | 587      | 0.032      | 0.49    | 2.03       | 0.011     | 0.06      | 0.049   | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11NG0688  | 0.3      | 0.2      | 58      | 0.49       | 0.053      | 21       | 28       | 0.59      | 553      | 0.045      | 0.49    | 1.79       | 0.012     | 0.05      | 0.049   | 0.02     | 3.1      | 0.049    | 0.0249    | 6        |
| 11NG0687  | 0.3      | 0.1      | 51      | 0.18       | 0.03       | 25       | 19       | 0.43      | 248      | 0.027      | 0.49    | 1.56       | 0.008     | 0.08      | 0.049   | 0.01     | 2.5      | 0.049    | 0.0249    | 5        |
| 11NG0686  | 0.3      | 0.1      | 68      | 0.39       | 0.053      | 33       | 46       | 0.84      | 585      | 0.067      | 0.49    | 2.03       | 0.013     | 0.07      | 0.1     | 0.01     | 5.6      | 0.049    | 0.0249    | 6        |
| 11NG0685  | 0.3      | 0.1      | 81      | 1.06       | 0.229      | 39       | 123      | 1.77      | 610      | 0.04       | 0.49    | 2.75       | 0.013     | 0.17      | 0.049   | 0.07     | 12.5     | 0.1      | 0.0249    | 8        |
| 11NG0684  | 0.4      | 0.2      | 96      | 0.17       | 0.036      | 9        | 81       | 1.23      | 177      | 0.149      | 0.49    | 2.59       | 0.01      | 0.18      | 0.1     | 0.02     | 4.9      | 0.1      | 0.0249    | 8        |
| 11NG0682  | 0.7      | 0.3      | 78      | 0.1        | 0.028      | 10       | 33       | 0.45      | 161      | 0.081      | 1       | 2.13       | 0.009     | 0.08      | 0.1     | 0.01     | 2.8      | 0.1      | 0.0249    | 8        |
| 11NG0680  | 0.3      | 3        | 54      | 0.23       | 0.06       | 25       | 38       | 0.55      | 210      | 0.101      | 1       | 2.65       | 0.039     | 0.15      | 0.049   | 0.02     | 2.4      | 0.1      | 0.19      | 7        |
| 11NG0679  | 0.5      | 0.2      | 61      | 0.14       | 0.023      | 10       | 31       | 0.63      | 163      | 0.099      | 0.49    | 2.24       | 0.01      | 0.07      | 0.1     | 0.02     | 2.6      | 0.1      | 0.0249    | 6        |
| 11NG0678  | 0.4      | 0.2      | 57      | 0.32       | 0.056      | 11       | 31       | 0.57      | 189      | 0.064      | 1       | 1.86       | 0.011     | 0.1       | 0.1     | 0.03     | 2.3      | 0.049    | 0.0249    | 7        |
| 11NG0677  | 0.7      | 0.2      | 72      | 0.65       | 0.151      | 27       | 51       | 1.11      | 447      | 0.132      | 0.49    | 2.59       | 0.016     | 0.23      | 0.2     | 0.01     | 4.8      | 0.3      | 0.0249    | 7        |
| 11NG0676  | 0.4      | 0.2      | 62      | 0.21       | 0.024      | 16       | 37       | 0.6       | 225      | 0.077      | 0.49    | 2.04       | 0.011     | 0.05      | 0.1     | 0.01     | 3.5      | 0.049    | 0.0249    | 6        |
| 11NG0675  | 0.4      | 0.2      | 61      | 0.2        | 0.027      | 14       | 30       | 0.4       | 284      | 0.041      | 1       | 2.05       | 0.008     | 0.06      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 7        |
| 11NG0674  | 0.5      | 0.2      | 75      | 0.11       | 0.026      | 11       | 40       | 0.49      | 252      | 0.061      | 0.49    | 2.06       | 0.007     | 0.1       | 0.049   | 0.02     | 2.7      | 0.049    | 0.0249    | 7        |
| 11NG0673  | 0.3      | 0.2      | 65      | 0.13       | 0.089      | 17       | 18       | 0.26      | 230      | 0.033      | 0.49    | 1.38       | 0.007     | 0.05      | 0.1     | 0.02     | 1.7      | 0.1      | 0.0249    | 7        |
| 11NG0672  | 0.4      | 0.2      | 65      | 0.18       | 0.041      | 14       | 31       | 0.52      | 170      | 0.066      | 0.49    | 2.1        | 0.009     | 0.05      | 0.1     | 0.02     | 3.2      | 0.1      | 0.0249    | 7        |
| 11NG0671  | 0.5      | 0.1      | 62      | 0.25       | 0.038      | 22       | 41       | 0.69      | 305      | 0.076      | 0.49    | 2.01       | 0.011     | 0.05      | 0.1     | 0.02     | 4.6      | 0.049    | 0.0249    | 5        |
| 11NG0670  | 0.5      | 0.2      | 60      | 0.16       | 0.049      | 14       | 41       | 0.64      | 205      | 0.066      | 2       | 2.68       | 0.012     | 0.05      | 0.1     | 0.03     | 3.9      | 0.1      | 0.0249    | 6        |
| 11NG0669  | 0.4      | 0.2      | 62      | 0.15       | 0.038      | 14       | 33       | 0.53      | 145      | 0.062      | 0.49    | 2.09       | 0.015     | 0.05      | 0.3     | 0.03     | 3.5      | 0.1      | 0.0249    | 7        |
| 11NG0668  | 0.4      | 0.1      | 55      | 0.23       | 0.034      | 21       | 34       | 0.59      | 253      | 0.065      | 1       | 1.94       | 0.011     | 0.05      | 0.1     | 0.02     | 4.4      | 0.049    | 0.0249    | 5        |
| 11NG0667  | 0.4      | 0.1      | 40      | 0.15       | 0.037      | 23       | 19       | 0.34      | 287      | 0.018      | 0.49    | 1.88       | 0.007     | 0.07      | 0.049   | 0.02     | 2.6      | 0.1      | 0.0249    | 6        |
| 11NG0666  | 0.5      | 0.1      | 38      | 0.25       | 0.039      | 27       | 23       | 0.35      | 594      | 0.036      | 2       | 1.22       | 0.01      | 0.07      | 0.1     | 0.03     | 3.3      | 0.049    | 0.0249    | 4        |
| 11NG0665  | 1        | 0.1      | 86      | 1          | 0.219      | 14       | 9        | 0.68      | 1169     | 0.047      | 1       | 1.71       | 0.01      | 0.22      | 0.049   | 0.02     | 8.9      | 0.1      | 0.0249    | 6        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0664  | 0.4      | 0.1      | 41      | 0.56       | 0.059      | 51       | 22       | 0.39      | 908      | 0.021      | 0.49    | 1.62       | 0.009     | 0.07      | 0.1     | 0.05     | 3.7      | 0.049    | 0.0249    | 5        |
| 11NG0663  | 0.6      | 0.1      | 56      | 0.6        | 0.093      | 32       | 34       | 0.62      | 747      | 0.025      | 0.49    | 1.84       | 0.01      | 0.07      | 0.1     | 0.06     | 5.2      | 0.049    | 0.0249    | 6        |
| 11NG0662  | 0.2      | 0.049    | 26      | 0.26       | 0.057      | 43       | 9        | 0.37      | 426      | 0.01       | 0.49    | 1.62       | 0.006     | 0.1       | 0.049   | 0.0049   | 2.1      | 0.049    | 0.0249    | 5        |
| 11NG0660  | 0.5      | 0.2      | 61      | 0.14       | 0.021      | 29       | 36       | 0.57      | 286      | 0.059      | 0.49    | 2.24       | 0.008     | 0.06      | 0.1     | 0.02     | 3.7      | 0.1      | 0.0249    | 6        |
| 11NG0659  | 0.4      | 0.2      | 61      | 0.2        | 0.018      | 18       | 40       | 0.62      | 323      | 0.059      | 1       | 2.15       | 0.009     | 0.06      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 6        |
| 11NG0658  | 0.5      | 0.2      | 85      | 0.1        | 0.063      | 13       | 29       | 0.46      | 150      | 0.062      | 1       | 1.57       | 0.006     | 0.08      | 0.2     | 0.02     | 2.3      | 0.1      | 0.0249    | 9        |
| 11NG0657  | 1.1      | 0.3      | 54      | 0.08       | 0.041      | 14       | 20       | 0.28      | 118      | 0.014      | 0.49    | 1.79       | 0.005     | 0.07      | 0.4     | 0.0049   | 2        | 0.1      | 0.0249    | 7        |
| 11NG0656  | 0.9      | 0.3      | 64      | 0.12       | 0.037      | 14       | 43       | 0.55      | 210      | 0.064      | 0.49    | 2.84       | 0.009     | 0.06      | 0.2     | 0.05     | 4.5      | 0.1      | 0.0249    | 6        |
| 11NG0655  | 0.6      | 0.1      | 62      | 0.39       | 0.083      | 19       | 30       | 0.6       | 358      | 0.091      | 0.49    | 1.47       | 0.015     | 0.09      | 0.1     | 0.02     | 4.7      | 0.049    | 0.0249    | 5        |
| 11NG0654  | 0.5      | 0.2      | 59      | 0.18       | 0.037      | 15       | 32       | 0.6       | 250      | 0.083      | 0.49    | 2.27       | 0.01      | 0.07      | 0.1     | 0.04     | 3.7      | 0.049    | 0.0249    | 5        |
| 11NG0653  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11NG0652  | 0.4      | 0.049    | 61      | 0.17       | 0.035      | 19       | 27       | 0.84      | 182      | 0.089      | 0.49    | 2.22       | 0.01      | 0.14      | 0.049   | 0.02     | 3.2      | 0.1      | 0.0249    | 6        |
| 11NG0651  | 0.7      | 0.2      | 73      | 0.14       | 0.048      | 31       | 40       | 0.52      | 246      | 0.078      | 0.49    | 2.15       | 0.009     | 0.05      | 0.2     | 0.05     | 6.1      | 0.1      | 0.0249    | 6        |
| 11NG0650  | 0.4      | 0.1      | 54      | 0.2        | 0.035      | 37       | 32       | 0.62      | 221      | 0.104      | 0.49    | 1.71       | 0.01      | 0.07      | 0.049   | 0.02     | 4.1      | 0.1      | 0.0249    | 5        |
| 11NG0649  | 0.5      | 0.2      | 65      | 0.23       | 0.04       | 38       | 52       | 0.72      | 478      | 0.098      | 1       | 2.01       | 0.01      | 0.08      | 0.1     | 0.03     | 5.8      | 0.1      | 0.0249    | 5        |
| 11NG0648  | 0.4      | 0.1      | 56      | 0.18       | 0.035      | 27       | 33       | 0.63      | 208      | 0.109      | 0.49    | 1.92       | 0.01      | 0.12      | 0.049   | 0.03     | 3.7      | 0.1      | 0.0249    | 6        |
| 11NG0647  | 0.4      | 0.2      | 64      | 0.29       | 0.047      | 39       | 47       | 0.74      | 515      | 0.095      | 1       | 2.1        | 0.013     | 0.08      | 0.1     | 0.02     | 6.4      | 0.049    | 0.0249    | 6        |
| 11NG0646  | 0.3      | 0.2      | 63      | 0.13       | 0.028      | 15       | 29       | 0.4       | 193      | 0.064      | 0.49    | 1.56       | 0.008     | 0.05      | 0.1     | 0.03     | 2.6      | 0.1      | 0.0249    | 7        |
| 11NG0645  | 0.4      | 0.1      | 77      | 0.14       | 0.061      | 15       | 32       | 0.68      | 251      | 0.017      | 0.49    | 2.16       | 0.008     | 0.09      | 0.049   | 0.02     | 6.4      | 0.1      | 0.0249    | 7        |
| 11NG0644  | 0.3      | 0.049    | 97      | 0.13       | 0.032      | 9        | 55       | 1.72      | 242      | 0.16       | 0.49    | 4.01       | 0.009     | 0.26      | 0.049   | 0.02     | 6.9      | 0.2      | 0.0249    | 13       |
| 11NG0643  | 0.3      | 0.1      | 119     | 0.24       | 0.091      | 9        | 31       | 1.18      | 391      | 0.24       | 0.49    | 3.06       | 0.011     | 0.65      | 0.049   | 0.03     | 12       | 0.2      | 0.0249    | 11       |
| 11NG0642  | 0.5      | 0.5      | 58      | 0.15       | 0.046      | 15       | 30       | 0.43      | 168      | 0.074      | 0.49    | 1.86       | 0.01      | 0.06      | 0.1     | 0.02     | 2.7      | 0.1      | 0.0249    | 6        |
| 11NG0640  | 0.4      | 0.049    | 109     | 0.36       | 0.089      | 7        | 74       | 1.08      | 332      | 0.14       | 0.49    | 2.66       | 0.018     | 0.2       | 0.049   | 0.01     | 6.7      | 0.049    | 0.0249    | 9        |
| 11NG0639  | 0.3      | 0.1      | 78      | 0.23       | 0.04       | 12       | 23       | 1.13      | 230      | 0.213      | 0.49    | 2.83       | 0.012     | 0.63      | 0.1     | 0.0049   | 4.6      | 0.5      | 0.0249    | 8        |
| 11NG0638  | 0.3      | 0.1      | 146     | 0.3        | 0.083      | 5        | 27       | 1.33      | 179      | 0.243      | 0.49    | 2.76       | 0.015     | 0.76      | 0.1     | 0.02     | 7.8      | 0.5      | 0.0249    | 9        |
| 11NG0637  | 0.2      | 0.2      | 88      | 0.31       | 0.081      | 7        | 47       | 1.58      | 245      | 0.258      | 1       | 2.88       | 0.017     | 0.68      | 0.2     | 0.02     | 3.8      | 0.5      | 0.0249    | 7        |
| 11NG0636  | 0.6      | 0.3      | 75      | 0.15       | 0.055      | 11       | 34       | 0.59      | 183      | 0.119      | 0.49    | 2.17       | 0.01      | 0.15      | 0.1     | 0.02     | 3.8      | 0.2      | 0.0249    | 8        |
| 11NG0635  | 0.6      | 0.5      | 70      | 0.19       | 0.034      | 16       | 38       | 0.69      | 250      | 0.116      | 1       | 3.01       | 0.011     | 0.1       | 0.2     | 0.03     | 4.9      | 0.2      | 0.0249    | 7        |
| 11NG0634  | 0.6      | 0.3      | 80      | 0.21       | 0.028      | 14       | 39       | 0.58      | 234      | 0.094      | 1       | 2.48       | 0.011     | 0.07      | 0.1     | 0.03     | 4.2      | 0.1      | 0.0249    | 7        |
| 11NG0633  | 0.5      | 0.2      | 59      | 0.16       | 0.046      | 17       | 30       | 0.44      | 171      | 0.081      | 0.49    | 1.71       | 0.011     | 0.05      | 0.1     | 0.03     | 3.2      | 0.049    | 0.0249    | 6        |
| 11NG0632  | 0.7      | 0.5      | 54      | 0.15       | 0.038      | 13       | 23       | 0.41      | 87       | 0.092      | 0.49    | 1.49       | 0.008     | 0.09      | 0.1     | 0.03     | 2.6      | 0.1      | 0.0249    | 5        |
| 11NG0631  | 1.3      | 0.3      | 54      | 0.18       | 0.039      | 24       | 29       | 0.51      | 209      | 0.087      | 1       | 1.98       | 0.019     | 0.11      | 0.3     | 0.03     | 3.6      | 0.1      | 0.0249    | 6        |
| 11NG0630  | 0.6      | 1.7      | 48      | 0.27       | 0.068      | 19       | 27       | 0.46      | 150      | 0.057      | 0.49    | 1.61       | 0.013     | 0.12      | 0.2     | 0.03     | 2.5      | 0.1      | 0.0249    | 5        |
| 11NG0629  | 0.2      | 0.3      | 27      | 0.34       | 0.057      | 9        | 23       | 0.46      | 168      | 0.07       | 0.49    | 1.37       | 0.013     | 0.07      | 0.1     | 0.05     | 2.1      | 0.1      | 0.0249    | 5        |
| 11NG0628  | 0.5      | 1.6      | 42      | 0.61       | 0.075      | 17       | 28       | 0.4       | 180      | 0.034      | 0.49    | 1.4        | 0.013     | 0.05      | 0.1     | 0.06     | 2.9      | 0.1      | 0.07      | 5        |
| 11NG0627  | 0.4      | 0.2      | 51      | 0.5        | 0.077      | 15       | 24       | 0.67      | 196      | 0.103      | 0.49    | 1.64       | 0.011     | 0.17      | 0.2     | 0.04     | 2.6      | 0.1      | 0.0249    | 6        |
| 11NG0626  | 0.3      | 0.2      | 36      | 0.32       | 0.067      | 14       | 23       | 0.52      | 160      | 0.067      | 1       | 1.58       | 0.011     | 0.11      | 0.2     | 0.04     | 2.6      | 0.1      | 0.0249    | 5        |
| 11NG0625  | 0.3      | 0.2      | 50      | 0.26       | 0.067      | 22       | 22       | 0.43      | 153      | 0.065      | 0.49    | 1.47       | 0.011     | 0.09      | 0.3     | 0.03     | 2.9      | 0.1      | 0.0249    | 5        |
| 11NG0624  | 0.5      | 0.2      | 50      | 0.61       | 0.141      | 56       | 34       | 0.42      | 539      | 0.028      | 2       | 2.26       | 0.012     | 0.09      | 0.1     | 0.11     | 5.5      | 0.1      | 0.07      | 6        |
| 11NG0623  | 0.5      | 0.2      | 64      | 0.17       | 0.028      | 18       | 23       | 0.29      | 294      | 0.05       | 1       | 1.05       | 0.008     | 0.09      | 0.1     | 0.01     | 2.6      | 0.049    | 0.0249    | 5        |
| 11NG0622  | 0.5      | 0.2      | 57      | 0.35       | 0.054      | 25       | 60       | 0.67      | 495      | 0.072      | 1       | 1.99       | 0.012     | 0.07      | 0.1     | 0.02     | 4.2      | 0.1      | 0.0249    | 5        |
| 11NG0620  | 0.6      | 0.2      | 49      | 0.18       | 0.031      | 18       | 26       | 0.35      | 244      | 0.032      | 0.49    | 1.65       | 0.008     | 0.07      | 0.049   | 0.02     | 3        | 0.049    | 0.0249    | 5        |
| 11NG0619  | 0.5      | 0.2      | 50      | 0.16       | 0.023      | 21       | 28       | 0.41      | 353      | 0.032      | 1       | 2.01       | 0.009     | 0.07      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 5        |
| 11NG0618  | 0.2      | 0.1      | 47      | 0.64       | 0.072      | 20       | 24       | 0.59      | 705      | 0.031      | 0.49    | 1.47       | 0.01      | 0.06      | 0.049   | 0.04     | 4.2      | 0.049    | 0.0249    | 5        |
| 11NG0617  | 0.4      | 0.1      | 65      | 0.67       | 0.123      | 50       | 38       | 0.85      | 870      | 0.055      | 1       | 2.13       | 0.014     | 0.08      | 0.1     | 0.05     | 8.2      | 0.2      | 0.0249    | 7        |
| 11NG0615  | 0.2      | 0.049    | 45      | 0.55       | 0.066      | 26       | 20       | 0.55      | 623      | 0.067      | 1       | 1.57       | 0.01      | 0.15      | 0.049   | 0.04     | 3.9      | 0.1      | 0.07      | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0614  | 0.2      | 0.049    | 49      | 0.5        | 0.065      | 25       | 24       | 0.59      | 482      | 0.065      | 1       | 1.56       | 0.01      | 0.12      | 0.049   | 0.03     | 4.6      | 0.1      | 0.0249    | 5        |
| 11NG0613  | 0.2      | 0.2      | 77      | 0.23       | 0.056      | 19       | 79       | 1.05      | 262      | 0.132      | 0.49    | 1.8        | 0.008     | 0.06      | 0.049   | 0.0049   | 3.5      | 0.1      | 0.0249    | 8        |
| 11NG0612  | 0.2      | 0.049    | 59      | 0.38       | 0.068      | 38       | 23       | 0.67      | 410      | 0.131      | 0.49    | 1.89       | 0.012     | 0.33      | 0.049   | 0.02     | 3.4      | 0.2      | 0.0249    | 7        |
| 11NG0611  | 0.1      | 0.049    | 57      | 0.67       | 0.129      | 25       | 32       | 0.99      | 526      | 0.098      | 0.49    | 1.77       | 0.016     | 0.25      | 0.049   | 0.0049   | 4.5      | 0.049    | 0.0249    | 6        |
| 11NG0610  | 0.2      | 0.049    | 60      | 0.58       | 0.127      | 16       | 33       | 0.79      | 417      | 0.069      | 0.49    | 1.73       | 0.011     | 0.21      | 0.049   | 0.0049   | 4.4      | 0.049    | 0.0249    | 6        |
| 11NG0609  | 0.2      | 0.049    | 50      | 0.33       | 0.084      | 15       | 23       | 0.55      | 339      | 0.054      | 0.49    | 1.48       | 0.011     | 0.11      | 0.1     | 0.03     | 3.8      | 0.1      | 0.0249    | 5        |
| 11NG0608  | 0.3      | 0.049    | 43      | 0.43       | 0.085      | 29       | 25       | 0.45      | 644      | 0.029      | 1       | 1.43       | 0.01      | 0.07      | 0.1     | 0.06     | 4        | 0.049    | 0.05      | 5        |
| 11NG0607  | 0.3      | 0.1      | 47      | 0.62       | 0.09       | 68       | 29       | 0.48      | 1263     | 0.017      | 1       | 1.61       | 0.009     | 0.08      | 0.1     | 0.07     | 6.1      | 0.1      | 0.0249    | 5        |
| 11NG0606  | 0.2      | 0.1      | 54      | 0.25       | 0.036      | 21       | 20       | 0.46      | 511      | 0.022      | 0.49    | 1.73       | 0.006     | 0.14      | 0.049   | 0.0049   | 3.9      | 0.049    | 0.0249    | 6        |
| 11NG0605  | 0.2      | 0.049    | 72      | 1.1        | 0.335      | 81       | 162      | 1.24      | 1202     | 0.051      | 0.49    | 2.04       | 0.007     | 0.09      | 0.049   | 0.0049   | 8.5      | 0.049    | 0.0249    | 6        |
| 11NG0604  | 0.2      | 0.049    | 30      | 0.14       | 0.029      | 28       | 15       | 0.21      | 338      | 0.006      | 0.49    | 1.28       | 0.005     | 0.06      | 0.049   | 0.01     | 2.6      | 0.049    | 0.0249    | 3        |
| 11NG0603  | 0.5      | 0.2      | 61      | 0.09       | 0.034      | 13       | 34       | 0.52      | 200      | 0.044      | 0.49    | 2.18       | 0.007     | 0.06      | 0.2     | 0.02     | 3.3      | 0.1      | 0.0249    | 6        |
| 11NG0602  | 0.2      | 0.049    | 70      | 0.07       | 0.034      | 7        | 28       | 0.92      | 186      | 0.101      | 0.49    | 2.73       | 0.006     | 0.39      | 0.049   | 0.0049   | 3.8      | 0.1      | 0.0249    | 9        |
| 11NG0600  | 0.3      | 0.049    | 50      | 0.09       | 0.029      | 9        | 41       | 0.54      | 134      | 0.033      | 0.49    | 2.41       | 0.006     | 0.06      | 0.049   | 0.0049   | 3.4      | 0.049    | 0.0249    | 7        |
| 11NG0599  | 0.2      | 0.1      | 66      | 0.28       | 0.052      | 31       | 35       | 0.69      | 397      | 0.051      | 0.49    | 1.91       | 0.011     | 0.09      | 0.049   | 0.02     | 3.3      | 0.1      | 0.0249    | 7        |
| 11NG0598  | 0.2      | 0.1      | 55      | 0.2        | 0.068      | 7        | 16       | 0.33      | 151      | 0.098      | 0.49    | 0.96       | 0.007     | 0.13      | 0.049   | 0.02     | 2        | 0.1      | 0.0249    | 9        |
| 11NG0597  | 0.2      | 0.049    | 73      | 0.2        | 0.05       | 8        | 18       | 0.7       | 198      | 0.112      | 1       | 1.56       | 0.022     | 0.3       | 0.1     | 0.0049   | 3.1      | 0.2      | 0.2       | 7        |
| 11NG0596  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11NG0595  | 0.2      | 0.2      | 59      | 0.34       | 0.055      | 10       | 21       | 0.57      | 199      | 0.081      | 0.49    | 1.52       | 0.011     | 0.08      | 0.2     | 0.02     | 3.3      | 0.049    | 0.0249    | 6        |
| 11NG0594  | 0.3      | 0.5      | 53      | 0.77       | 0.063      | 17       | 26       | 0.57      | 343      | 0.054      | 2       | 1.68       | 0.012     | 0.11      | 0.1     | 0.02     | 3.5      | 0.1      | 0.0249    | 6        |
| 11NG0593  | 0.3      | 0.3      | 54      | 0.23       | 0.041      | 13       | 18       | 0.51      | 185      | 0.08       | 1       | 1.37       | 0.007     | 0.11      | 0.2     | 0.02     | 2.4      | 0.2      | 0.0249    | 5        |
| 11NG0592  | 0.3      | 0.2      | 48      | 0.66       | 0.074      | 22       | 18       | 0.55      | 376      | 0.092      | 0.49    | 1.54       | 0.011     | 0.2       | 0.2     | 0.02     | 3.5      | 0.2      | 0.0249    | 5        |
| 11NG0591  | 0.3      | 0.2      | 43      | 0.18       | 0.05       | 13       | 22       | 0.35      | 153      | 0.037      | 2       | 1.33       | 0.008     | 0.05      | 0.2     | 0.03     | 2        | 0.1      | 0.0249    | 5        |
| 11NG0590  | 0.4      | 0.5      | 41      | 0.56       | 0.068      | 34       | 28       | 0.47      | 499      | 0.036      | 2       | 1.48       | 0.012     | 0.07      | 0.2     | 0.04     | 4.3      | 0.049    | 0.0249    | 4        |
| 11NG0589  | 0.3      | 0.1      | 58      | 0.97       | 0.207      | 38       | 136      | 1.05      | 982      | 0.09       | 1       | 1.65       | 0.019     | 0.15      | 0.1     | 0.03     | 6.5      | 0.049    | 0.0249    | 5        |
| 11NG0588  | 1        | 0.5      | 32      | 0.15       | 0.057      | 27       | 14       | 0.12      | 181      | 0.004      | 1       | 1.15       | 0.005     | 0.12      | 0.049   | 0.01     | 2.9      | 0.049    | 0.0249    | 3        |
| 11NG0587  | 0.3      | 0.049    | 65      | 0.74       | 0.111      | 7        | 31       | 0.81      | 291      | 0.04       | 0.49    | 1.97       | 0.024     | 0.05      | 0.049   | 0.0049   | 6.7      | 0.049    | 0.0249    | 5        |
| 11NG0586  | 0.1      | 0.049    | 57      | 0.38       | 0.05       | 12       | 21       | 0.67      | 231      | 0.095      | 1       | 1.66       | 0.016     | 0.25      | 0.049   | 0.0049   | 3.3      | 0.1      | 0.0249    | 6        |
| 11NG0585  | 0.2      | 0.049    | 42      | 0.4        | 0.06       | 4        | 27       | 0.66      | 170      | 0.053      | 3       | 1.43       | 0.013     | 0.06      | 0.049   | 0.0049   | 3.2      | 0.049    | 0.0249    | 4        |
| 11NG0584  | 0.2      | 0.049    | 47      | 0.35       | 0.049      | 5        | 27       | 0.62      | 212      | 0.05       | 0.49    | 1.66       | 0.015     | 0.04      | 0.049   | 0.0049   | 2.7      | 0.049    | 0.0249    | 4        |
| 11NG0583  | 0.4      | 0.049    | 73      | 0.33       | 0.069      | 10       | 40       | 1.1       | 192      | 0.051      | 0.49    | 2.41       | 0.012     | 0.2       | 0.1     | 0.0049   | 5.2      | 0.049    | 0.0249    | 6        |
| 11NG0582  | 0.3      | 0.049    | 67      | 0.49       | 0.087      | 29       | 35       | 1.08      | 410      | 0.017      | 0.49    | 2.1        | 0.008     | 0.06      | 0.049   | 0.02     | 8.1      | 0.049    | 0.0249    | 7        |
| 11NG0580  | 0.049    | 0.049    | 30      | 0.2        | 0.097      | 30       | 5        | 0.57      | 245      | 0.08       | 0.49    | 1.77       | 0.005     | 0.4       | 0.049   | 0.0049   | 2.8      | 0.2      | 0.0249    | 7        |
| 11NG0579  | 0.4      | 0.1      | 49      | 0.08       | 0.032      | 12       | 24       | 0.57      | 163      | 0.115      | 0.49    | 2.04       | 0.006     | 0.22      | 0.049   | 0.02     | 3.3      | 0.2      | 0.0249    | 6        |
| 11NG0578  | 0.3      | 0.049    | 50      | 0.11       | 0.035      | 9        | 19       | 0.64      | 250      | 0.131      | 0.49    | 2.06       | 0.009     | 0.41      | 0.1     | 0.02     | 3.6      | 0.2      | 0.0249    | 7        |
| 11NG0577  | 0.3      | 0.049    | 57      | 0.14       | 0.027      | 10       | 27       | 0.59      | 142      | 0.116      | 0.49    | 1.91       | 0.007     | 0.16      | 0.049   | 0.01     | 2.5      | 0.2      | 0.0249    | 7        |
| 11NG0576  | 0.3      | 0.1      | 54      | 0.3        | 0.049      | 23       | 33       | 0.63      | 268      | 0.089      | 0.49    | 1.8        | 0.007     | 0.18      | 0.049   | 0.02     | 3        | 0.2      | 0.0249    | 6        |
| 11NG0575  | 0.4      | 0.1      | 51      | 0.14       | 0.035      | 13       | 30       | 0.45      | 232      | 0.048      | 0.49    | 1.82       | 0.007     | 0.05      | 0.049   | 0.03     | 3.2      | 0.049    | 0.0249    | 5        |
| 11NG0574  | 0.4      | 0.049    | 35      | 0.12       | 0.022      | 16       | 17       | 0.26      | 203      | 0.02       | 0.49    | 1.54       | 0.005     | 0.07      | 0.049   | 0.02     | 2.3      | 0.049    | 0.0249    | 4        |
| 11NG0573  | 0.3      | 0.049    | 65      | 0.15       | 0.041      | 4        | 34       | 0.71      | 226      | 0.053      | 0.49    | 2.06       | 0.009     | 0.06      | 0.1     | 0.01     | 2.4      | 0.049    | 0.0249    | 6        |
| 11NG0572  | 0.3      | 0.2      | 61      | 0.26       | 0.041      | 13       | 33       | 0.47      | 335      | 0.043      | 0.49    | 1.8        | 0.007     | 0.05      | 0.049   | 0.02     | 3.4      | 0.1      | 0.0249    | 5        |
| 11NG0571  | 0.4      | 0.1      | 55      | 0.15       | 0.047      | 14       | 31       | 0.45      | 247      | 0.037      | 0.49    | 1.87       | 0.006     | 0.08      | 0.1     | 0.02     | 3.3      | 0.1      | 0.0249    | 6        |
| 11NG0570  | 0.2      | 0.049    | 31      | 0.42       | 0.029      | 25       | 15       | 0.4       | 541      | 0.063      | 0.49    | 1.29       | 0.009     | 0.2       | 0.049   | 0.01     | 3.1      | 0.1      | 0.0249    | 5        |
| 11NG0569  | 0.3      | 0.1      | 43      | 0.33       | 0.039      | 17       | 26       | 0.45      | 306      | 0.055      | 0.49    | 1.37       | 0.01      | 0.04      | 0.1     | 0.03     | 3.5      | 0.049    | 0.0249    | 4        |
| 11NG0568  | 0.049    | 0.049    | 54      | 0.48       | 0.111      | 10       | 17       | 0.71      | 196      | 0.098      | 0.49    | 1.75       | 0.023     | 0.12      | 0.049   | 0.0049   | 3.1      | 0.049    | 0.0249    | 5        |
| 11NG0567  | 0.3      | 0.2      | 51      | 0.28       | 0.061      | 28       | 33       | 0.45      | 444      | 0.04       | 1       | 1.69       | 0.007     | 0.08      | 0.1     | 0.03     | 3.7      | 0.049    | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0566  | 0.4      | 0.1      | 49      | 0.21       | 0.029      | 14       | 35       | 0.49      | 250      | 0.051      | 1       | 1.93       | 0.008      | 0.07      | 0.1     | 0.02     | 3.1      | 0.049    | 0.0249    | 6        |
| 11NG0565  | 0.3      | 0.1      | 48      | 0.31       | 0.04       | 21       | 21       | 0.61      | 346      | 0.05       | 1       | 1.51       | 0.009      | 0.1       | 0.049   | 0.02     | 2.6      | 0.049    | 0.0249    | 5        |
| 11NG0564  | 0.1      | 0.049    | 96      | 1.19       | 0.063      | 13       | 22       | 1.37      | 758      | 0.25       | 1       | 3.85       | 0.136      | 0.79      | 0.1     | 0.01     | 5.2      | 0.6      | 0.0249    | 10       |
| 11NG0563  | 0.1      | 0.049    | 118     | 0.44       | 0.104      | 14       | 14       | 1.17      | 355      | 0.147      | 0.49    | 2.78       | 0.014      | 0.69      | 0.049   | 0.0049   | 6.1      | 0.3      | 0.0249    | 11       |
| 11NG0562  | 0.2      | 0.1      | 49      | 0.33       | 0.068      | 13       | 17       | 0.57      | 184      | 0.071      | 0.49    | 1.52       | 0.011      | 0.11      | 0.1     | 0.03     | 2.9      | 0.1      | 0.0249    | 5        |
| 11NG0560  | 0.2      | 0.1      | 52      | 0.29       | 0.06       | 16       | 25       | 0.66      | 202      | 0.062      | 0.49    | 1.58       | 0.011      | 0.06      | 0.1     | 0.03     | 3.3      | 0.049    | 0.0249    | 6        |
| 11NG0559  | 0.2      | 0.049    | 60      | 0.38       | 0.088      | 8        | 16       | 0.76      | 259      | 0.143      | 0.49    | 2.02       | 0.01       | 0.39      | 0.049   | 0.02     | 2.8      | 0.2      | 0.0249    | 7        |
| 11NG0558  | 0.2      | 0.049    | 84      | 0.18       | 0.043      | 4        | 36       | 1.23      | 195      | 0.211      | 0.49    | 2.4        | 0.008      | 0.49      | 0.2     | 0.02     | 1.9      | 0.3      | 0.0249    | 7        |
| 11NG0557  | 0.1      | 0.049    | 45      | 0.35       | 0.08       | 16       | 17       | 0.59      | 207      | 0.076      | 1       | 1.23       | 0.008      | 0.35      | 0.049   | 0.0049   | 3.3      | 0.1      | 0.0249    | 5        |
| 11NG0556  | 0.1      | 0.049    | 36      | 0.34       | 0.039      | 15       | 15       | 0.61      | 191      | 0.067      | 0.49    | 1.7        | 0.011      | 0.15      | 0.049   | 0.04     | 2.6      | 0.2      | 0.0249    | 5        |
| 11NG0555  | 0.1      | 0.049    | 50      | 0.23       | 0.046      | 25       | 21       | 0.96      | 297      | 0.155      | 1       | 1.99       | 0.007      | 0.6       | 0.2     | 0.01     | 5.4      | 0.3      | 0.0249    | 7        |
| 11NG0554  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11NG0553  | 0.1      | 0.049    | 73      | 0.16       | 0.032      | 13       | 16       | 1.06      | 281      | 0.121      | 1       | 2.02       | 0.008      | 0.7       | 0.049   | 0.0049   | 5.1      | 0.3      | 0.0249    | 8        |
| 11NG0552  | 0.2      | 0.049    | 76      | 0.35       | 0.052      | 13       | 34       | 1.38      | 275      | 0.164      | 1       | 2.81       | 0.017      | 0.63      | 0.049   | 0.02     | 5        | 0.5      | 0.0249    | 9        |
| 11NG0551  | 0.2      | 0.049    | 51      | 0.21       | 0.046      | 8        | 27       | 0.71      | 143      | 0.123      | 0.49    | 1.88       | 0.009      | 0.31      | 0.049   | 0.01     | 2.4      | 0.2      | 0.0249    | 7        |
| 11NG0550  | 0.2      | 0.049    | 37      | 0.19       | 0.04       | 7        | 16       | 0.58      | 147      | 0.087      | 1       | 1.42       | 0.007      | 0.27      | 0.049   | 0.0049   | 2.1      | 0.2      | 0.0249    | 5        |
| 11NG0549  | 0.2      | 0.049    | 87      | 0.67       | 0.093      | 7        | 26       | 1.32      | 330      | 0.171      | 1       | 2.54       | 0.043      | 0.43      | 0.1     | 0.0049   | 4.6      | 0.3      | 0.0249    | 8        |
| 11NG0548  | 0.3      | 0.2      | 60      | 0.68       | 0.072      | 13       | 39       | 1.23      | 555      | 0.103      | 2       | 2.19       | 0.007      | 0.12      | 0.1     | 0.02     | 3.5      | 0.2      | 0.0249    | 6        |
| 11NG0547  | 0.3      | 0.049    | 26      | 0.08       | 0.023      | 19       | 20       | 0.22      | 204      | 0.005      | 1       | 1.69       | 0.006      | 0.13      | 0.049   | 0.0049   | 4.4      | 0.049    | 0.0249    | 4        |
| 11NG0546  | 0.3      | 0.049    | 34      | 0.18       | 0.025      | 73       | 22       | 0.45      | 402      | 0.044      | 1       | 1.55       | 0.007      | 0.15      | 0.049   | 0.01     | 3.9      | 0.1      | 0.0249    | 5        |
| 11NG0545  | 0.3      | 0.1      | 54      | 0.22       | 0.029      | 28       | 43       | 0.6       | 346      | 0.07       | 2       | 1.92       | 0.009      | 0.07      | 0.1     | 0.03     | 4.5      | 0.049    | 0.0249    | 5        |
| 11NG0544  | 0.4      | 0.2      | 53      | 0.32       | 0.034      | 34       | 42       | 0.62      | 447      | 0.083      | 1       | 1.75       | 0.012      | 0.08      | 0.1     | 0.03     | 6.1      | 0.049    | 0.0249    | 5        |
| 11NG0543  | 0.4      | 0.2      | 54      | 0.37       | 0.043      | 21       | 34       | 0.55      | 332      | 0.067      | 2       | 1.84       | 0.011      | 0.06      | 0.049   | 0.03     | 5.3      | 0.049    | 0.0249    | 5        |
| 11NG0542  | 0.3      | 0.2      | 58      | 0.19       | 0.035      | 20       | 30       | 0.44      | 322      | 0.047      | 2       | 1.65       | 0.008      | 0.05      | 0.1     | 0.02     | 3.6      | 0.049    | 0.0249    | 6        |
| 11NG0540  | 0.3      | 0.1      | 55      | 0.29       | 0.035      | 32       | 33       | 0.63      | 503      | 0.068      | 2       | 1.84       | 0.01       | 0.08      | 0.1     | 0.03     | 6.8      | 0.049    | 0.0249    | 6        |
| 11NG0539  | 0.4      | 0.1      | 83      | 0.62       | 0.153      | 71       | 161      | 1.68      | 904      | 0.129      | 2       | 2.53       | 0.011      | 0.08      | 0.049   | 0.05     | 9        | 0.1      | 0.0249    | 8        |
| 11NG0538  | 0.1      | 0.049    | 11      | 0.49       | 0.024      | 49       | 5        | 0.44      | 167      | 0.025      | 0.49    | 1.33       | 0.005      | 0.1       | 0.049   | 0.01     | 3.3      | 0.1      | 0.0249    | 4        |
| 11NG0537  | 0.3      | 0.1      | 42      | 0.16       | 0.042      | 32       | 36       | 0.36      | 279      | 0.026      | 2       | 1.45       | 0.006      | 0.05      | 0.049   | 0.01     | 4.3      | 0.049    | 0.0249    | 4        |
| 11NG0536  | 0.4      | 0.2      | 42      | 0.2        | 0.031      | 21       | 23       | 0.43      | 285      | 0.026      | 2       | 2.31       | 0.006      | 0.11      | 0.049   | 0.04     | 4        | 0.1      | 0.0249    | 5        |
| 11NG0535  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11NG0534  | 0.4      | 0.1      | 52      | 0.17       | 0.026      | 26       | 77       | 0.74      | 281      | 0.054      | 2       | 2.24       | 0.007      | 0.12      | 0.049   | 0.03     | 5.8      | 0.1      | 0.0249    | 6        |
| 11NG0533  | 1.2      | 0.2      | 55      | 0.24       | 0.069      | 22       | 39       | 0.44      | 294      | 0.023      | 2       | 2.11       | 0.007      | 0.08      | 0.049   | 0.02     | 4.1      | 0.1      | 0.0249    | 5        |
| 11NG0532  | 0.4      | 0.2      | 61      | 0.13       | 0.039      | 15       | 26       | 0.71      | 298      | 0.032      | 2       | 2.29       | 0.007      | 0.09      | 0.1     | 0.02     | 4.8      | 0.049    | 0.0249    | 7        |
| 11NG0531  | 0.3      | 0.1      | 85      | 0.15       | 0.039      | 12       | 21       | 1.22      | 184      | 0.135      | 2       | 3.05       | 0.008      | 0.14      | 0.049   | 0.02     | 5.9      | 0.2      | 0.0249    | 9        |
| 11NG0530  | 0.3      | 0.1      | 65      | 0.24       | 0.039      | 9        | 38       | 0.82      | 186      | 0.105      | 2       | 2.38       | 0.011      | 0.07      | 0.1     | 0.03     | 3.7      | 0.1      | 0.0249    | 6        |
| 11NG0529  | 0.5      | 0.2      | 69      | 0.16       | 0.024      | 12       | 32       | 0.6       | 225      | 0.1        | 1       | 2.35       | 0.011      | 0.08      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 6        |
| 11NG0528  | 0.4      | 0.1      | 88      | 0.16       | 0.025      | 12       | 30       | 1.01      | 215      | 0.167      | 2       | 2.59       | 0.012      | 0.24      | 0.1     | 0.03     | 6.4      | 0.2      | 0.0249    | 8        |
| 11NG0527  | 0.3      | 0.1      | 57      | 0.21       | 0.028      | 16       | 29       | 0.64      | 321      | 0.122      | 3       | 2.11       | 0.012      | 0.12      | 0.1     | 0.01     | 5.1      | 0.1      | 0.0249    | 6        |
| 11NG0526  | 0.5      | 0.2      | 68      | 0.2        | 0.036      | 13       | 30       | 0.69      | 225      | 0.116      | 3       | 2.26       | 0.013      | 0.15      | 0.1     | 0.03     | 5.4      | 0.1      | 0.0249    | 7        |
| 11NG0525  | 0.4      | 0.1      | 126     | 0.2        | 0.046      | 6        | 39       | 1.14      | 220      | 0.26       | 4       | 1.89       | 0.013      | 0.26      | 0.1     | 0.03     | 4        | 0.2      | 0.0249    | 8        |
| 11NG0524  | 0.3      | 0.1      | 125     | 0.28       | 0.049      | 6        | 47       | 1.51      | 293      | 0.241      | 2       | 2.67       | 0.018      | 0.48      | 0.1     | 0.02     | 8        | 0.2      | 0.0249    | 8        |
| 11NG0523  | 0.3      | 0.2      | 69      | 0.2        | 0.044      | 12       | 25       | 0.74      | 193      | 0.139      | 5       | 2.19       | 0.011      | 0.19      | 0.1     | 0.03     | 5.1      | 0.2      | 0.0249    | 7        |
| 11NG0522  | 0.3      | 0.2      | 78      | 0.29       | 0.064      | 20       | 53       | 1.07      | 246      | 0.123      | 4       | 2.93       | 0.013      | 0.17      | 0.049   | 0.02     | 6.1      | 0.1      | 0.0249    | 8        |
| 11NG0520  | 0.4      | 0.1      | 52      | 0.3        | 0.037      | 26       | 24       | 0.51      | 428      | 0.064      | 4       | 1.92       | 0.012      | 0.11      | 0.049   | 0.02     | 6.2      | 0.1      | 0.0249    | 6        |
| 11NG0519  | 0.4      | 0.049    | 91      | 0.53       | 0.058      | 13       | 65       | 1.32      | 329      | 0.156      | 4       | 2.64       | 0.019      | 0.09      | 0.1     | 0.03     | 8.4      | 0.049    | 0.0249    | 7        |
| 11NG0518  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     | -100      | -100     |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0517  | 4        | 0.4      | 45      | 0.15       | 0.034      | 24       | 29       | 0.37      | 356      | 0.021      | 5       | 1.74       | 0.008     | 0.07      | 0.049   | 0.02     | 3.9      | 0.1      | 0.0249    | 4        |
| 11NG0516  | 0.4      | 0.1      | 51      | 0.27       | 0.031      | 36       | 32       | 0.62      | 345      | 0.106      | 4       | 1.83       | 0.015     | 0.15      | 0.049   | 0.03     | 6.2      | 0.049    | 0.0249    | 5        |
| 11NG0515  | 0.4      | 0.049    | 48      | 0.19       | 0.052      | 19       | 36       | 0.61      | 193      | 0.08       | 4       | 2.05       | 0.01      | 0.26      | 0.049   | 0.02     | 4.6      | 0.2      | 0.0249    | 6        |
| 11NG0396  | 0.3      | 0.2      | 37      | 0.11       | 0.045      | 18       | 17       | 0.48      | 196      | 0.028      | 0.49    | 1.68       | 0.005     | 0.12      | 0.049   | 0.01     | 1.8      | 0.1      | 0.0249    | 5        |
| 11NG0395  | 0.2      | 0.1      | 38      | 0.21       | 0.046      | 11       | 13       | 1.21      | 167      | 0.149      | 0.49    | 2.43       | 0.008     | 0.68      | 0.049   | 0.0049   | 2.1      | 0.4      | 0.0249    | 6        |
| 11NG0394  | 0.2      | 0.1      | 54      | 0.25       | 0.062      | 17       | 19       | 0.99      | 320      | 0.182      | 0.49    | 2.13       | 0.011     | 0.85      | 0.049   | 0.01     | 2.3      | 0.4      | 0.0249    | 6        |
| 11NG0393  | 0.2      | 0.3      | 31      | 0.14       | 0.045      | 24       | 8        | 0.46      | 239      | 0.082      | 0.49    | 1.28       | 0.085     | 0.2       | 0.049   | 0.02     | 1.9      | 0.2      | 0.32      | 3        |
| 11NG0392  | 0.2      | 0.8      | 35      | 0.1        | 0.037      | 26       | 13       | 0.28      | 145      | 0.041      | 1       | 1.22       | 0.038     | 0.11      | 0.049   | 0.02     | 2.8      | 0.049    | 0.19      | 4        |
| 11NG0391  | 0.4      | 0.1      | 70      | 3.09       | 0.078      | 10       | 21       | 1.01      | 451      | 0.176      | 2       | 1.58       | 0.023     | 0.43      | 0.2     | 0.03     | 4.7      | 0.2      | 0.0249    | 6        |
| 11NG0390  | 0.3      | 0.2      | 65      | 0.26       | 0.029      | 6        | 26       | 0.75      | 249      | 0.129      | 1       | 1.69       | 0.011     | 0.3       | 0.2     | 0.01     | 4.6      | 0.2      | 0.0249    | 6        |
| 11NG0389  | 0.2      | 0.2      | 88      | 0.27       | 0.083      | 10       | 33       | 1.52      | 330      | 0.19       | 2       | 2.39       | 0.011     | 0.7       | 0.2     | 0.01     | 5.6      | 0.2      | 0.0249    | 9        |
| 11NG0388  | 0.2      | 0.2      | 37      | 0.48       | 0.072      | 37       | 22       | 1.01      | 173      | 0.135      | 2       | 1.88       | 0.012     | 0.49      | 0.1     | 0.01     | 2        | 0.3      | 0.0249    | 6        |
| 11NG0387  | 0.4      | 1        | 44      | 0.09       | 0.026      | 27       | 24       | 0.7       | 130      | 0.095      | 0.49    | 1.95       | 0.012     | 0.11      | 0.049   | 0.0049   | 3        | 0.2      | 0.06      | 4        |
| 11NG0386  | 0.4      | 1.4      | 35      | 0.09       | 0.036      | 22       | 15       | 0.32      | 166      | 0.098      | 0.49    | 1.6        | 0.159     | 0.25      | 0.049   | 0.01     | 1.7      | 0.2      | 0.72      | 5        |
| 11NG0385  | 0.5      | 0.3      | 22      | 0.08       | 0.098      | 54       | 10       | 0.15      | 172      | 0.084      | 0.49    | 0.9        | 0.129     | 0.29      | 0.049   | 0.0049   | 2.1      | 0.1      | 0.8       | 4        |
| 11NG0384  | 0.2      | 0.1      | 18      | 0.12       | 0.026      | 15       | 12       | 0.33      | 117      | 0.015      | 0.49    | 1.67       | 0.012     | 0.06      | 0.049   | 0.0049   | 1.3      | 0.049    | 0.0249    | 3        |
| 11NG0383  | 0.3      | 0.1      | 62      | 0.32       | 0.063      | 12       | 20       | 0.58      | 302      | 0.076      | 0.49    | 1.52       | 0.011     | 0.11      | 0.1     | 0.02     | 3.3      | 0.049    | 0.0249    | 5        |
| 11NG0382  | 0.4      | 0.3      | 50      | 0.29       | 0.062      | 21       | 31       | 0.56      | 331      | 0.058      | 0.49    | 1.72       | 0.023     | 0.16      | 0.049   | 0.02     | 3.3      | 0.2      | 0.15      | 6        |
| 11NG0380  | 0.4      | 0.9      | 6       | 0.09       | 0.075      | 56       | 8        | 0.04      | 229      | 0.002      | 0.49    | 0.51       | 0.131     | 0.3       | 0.049   | 0.0049   | 2        | 0.049    | 0.84      | 0.49     |
| 11NG0379  | 0.3      | 1        | 51      | 0.14       | 0.061      | 27       | 26       | 0.64      | 171      | 0.053      | 0.49    | 1.85       | 0.03      | 0.26      | 0.049   | 0.01     | 5.1      | 0.3      | 0.17      | 5        |
| 11NG0378  | 0.3      | 0.3      | 28      | 0.18       | 0.035      | 69       | 25       | 0.42      | 192      | 0.028      | 0.49    | 1.4        | 0.005     | 0.09      | 0.049   | 0.01     | 2.4      | 0.049    | 0.0249    | 3        |
| 11NG0377  | 0.4      | 0.4      | 48      | 0.5        | 0.047      | 25       | 27       | 0.58      | 243      | 0.044      | 0.49    | 1.63       | 0.014     | 0.1       | 0.049   | 0.03     | 4.1      | 0.049    | 0.0249    | 5        |
| 11NG0376  | 0.2      | 0.049    | 88      | 0.52       | 0.135      | 11       | 19       | 1.22      | 457      | 0.137      | 0.49    | 2.13       | 0.01      | 0.61      | 0.2     | 0.0049   | 5.3      | 0.2      | 0.0249    | 8        |
| 11NG0375  | 0.2      | 0.049    | 58      | 0.31       | 0.065      | 11       | 23       | 1.23      | 242      | 0.11       | 0.49    | 2.02       | 0.016     | 0.63      | 0.049   | 0.0049   | 4.5      | 0.5      | 0.0249    | 6        |
| 11NG0374  | 0.4      | 0.1      | 63      | 3.65       | 0.085      | 15       | 19       | 0.86      | 556      | 0.145      | 0.49    | 1.6        | 0.016     | 0.51      | 0.1     | 0.06     | 4.8      | 0.2      | 0.0249    | 6        |
| 11NG0373  | 0.3      | 0.2      | 48      | 0.27       | 0.028      | 11       | 17       | 0.56      | 250      | 0.091      | 0.49    | 1.61       | 0.011     | 0.34      | 0.049   | 0.01     | 2.9      | 0.2      | 0.0249    | 5        |
| 11NG0372  | 0.3      | 0.2      | 55      | 0.54       | 0.057      | 34       | 29       | 0.81      | 227      | 0.094      | 1       | 1.75       | 0.016     | 0.38      | 0.1     | 0.02     | 4.2      | 0.2      | 0.0249    | 5        |
| 11NG0371  | 0.049    | 0.049    | 102     | 2.16       | 0.239      | 17       | 17       | 1.71      | 360      | 0.179      | 0.49    | 2.21       | 0.011     | 0.79      | 0.049   | 0.03     | 2.9      | 0.1      | 0.0249    | 5        |
| 11NG0370  | 0.3      | 0.1      | 42      | 0.36       | 0.052      | 26       | 24       | 0.57      | 173      | 0.056      | 0.49    | 1.49       | 0.01      | 0.14      | 0.1     | 0.02     | 3.1      | 0.049    | 0.0249    | 5        |
| 11NG0369  | 0.3      | 0.1      | 42      | 0.26       | 0.027      | 18       | 22       | 0.6       | 143      | 0.094      | 0.49    | 1.51       | 0.01      | 0.14      | 0.1     | 0.0049   | 2.4      | 0.1      | 0.0249    | 5        |
| 11NG0368  | 0.3      | 0.1      | 40      | 0.17       | 0.032      | 14       | 24       | 0.49      | 204      | 0.041      | 0.49    | 1.76       | 0.007     | 0.17      | 0.049   | 0.01     | 2.7      | 0.2      | 0.0249    | 5        |
| 11NG0367  | 0.3      | 0.9      | 37      | 0.1        | 0.029      | 19       | 23       | 0.33      | 285      | 0.037      | 0.49    | 1.37       | 0.022     | 0.09      | 0.049   | 0.01     | 2.1      | 0.049    | 0.09      | 4        |
| 11NG0366  | 0.3      | 0.6      | 27      | 0.1        | 0.046      | 22       | 17       | 0.23      | 211      | 0.038      | 0.49    | 1.06       | 0.034     | 0.11      | 0.049   | 0.02     | 2.2      | 0.049    | 0.19      | 3        |
| 11NG0365  | 0.3      | 0.3      | 34      | 0.23       | 0.045      | 22       | 18       | 0.44      | 276      | 0.058      | 0.49    | 1.32       | 0.027     | 0.13      | 0.049   | 0.02     | 2.4      | 0.1      | 0.11      | 4        |
| 11NG0364  | 0.3      | 0.3      | 22      | 0.12       | 0.066      | 36       | 7        | 0.18      | 209      | 0.05       | 0.49    | 1.04       | 0.106     | 0.19      | 0.049   | 0.01     | 2.8      | 0.049    | 0.47      | 3        |
| 11NG0363  | 0.4      | 0.2      | 67      | 0.27       | 0.04       | 19       | 34       | 0.76      | 362      | 0.099      | 0.49    | 1.96       | 0.015     | 0.29      | 0.049   | 0.02     | 4.3      | 0.2      | 0.0249    | 6        |
| 11NG0362  | 0.3      | 0.1      | 91      | 0.46       | 0.116      | 19       | 49       | 0.76      | 263      | 0.115      | 0.49    | 1.93       | 0.024     | 0.46      | 0.049   | 0.0049   | 4.8      | 0.2      | 0.0249    | 6        |
| 11NG0360  | 0.3      | 0.1      | 76      | 0.3        | 0.073      | 10       | 26       | 0.82      | 310      | 0.139      | 0.49    | 1.91       | 0.011     | 0.46      | 0.049   | 0.0049   | 4.5      | 0.3      | 0.0249    | 6        |
| 11NG0359  | 0.4      | 4.8      | 35      | 0.31       | 0.065      | 32       | 14       | 0.35      | 182      | 0.029      | 0.49    | 1          | 0.016     | 0.14      | 0.049   | 0.03     | 4        | 0.1      | 0.0249    | 3        |
| 11NG0358  | 0.3      | 0.1      | 34      | 0.29       | 0.091      | 32       | 10       | 0.51      | 193      | 0.056      | 0.49    | 1.29       | 0.1       | 0.36      | 0.049   | 0.01     | 3        | 0.2      | 0.47      | 3        |
| 11NG0357  | 0.3      | 0.3      | 50      | 0.36       | 0.064      | 23       | 23       | 0.5       | 261      | 0.069      | 0.49    | 1.39       | 0.011     | 0.1       | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 4        |
| 11NG0356  | 0.2      | 0.2      | 79      | 0.59       | 0.11       | 15       | 29       | 1.34      | 414      | 0.164      | 0.49    | 2.4        | 0.009     | 0.37      | 0.2     | 0.01     | 5.2      | 0.2      | 0.0249    | 7        |
| 11NG0355  | 0.2      | 0.1      | 49      | 0.91       | 0.073      | 16       | 25       | 0.61      | 276      | 0.081      | 1       | 1.46       | 0.016     | 0.17      | 0.1     | 0.03     | 3.6      | 0.2      | 0.06      | 5        |
| 11NG0354  | 0.2      | 0.4      | 38      | 0.57       | 0.067      | 15       | 16       | 0.5       | 210      | 0.065      | 1       | 1.18       | 0.014     | 0.14      | 0.049   | 0.02     | 2.9      | 0.049    | 0.0249    | 4        |
| 11NG0353  | 0.2      | 0.049    | 43      | 0.57       | 0.054      | 66       | 28       | 0.77      | 165      | 0.116      | 1       | 1.72       | 0.009     | 0.39      | 0.049   | 0.02     | 2.7      | 0.3      | 0.0249    | 5        |
| 11NG0352  | 0.2      | 0.049    | 52      | 0.56       | 0.055      | 37       | 23       | 1.13      | 263      | 0.227      | 0.49    | 2.2        | 0.011     | 0.59      | 0.049   | 0.0049   | 2.3      | 0.3      | 0.0249    | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0351  | 0.1      | 0.1      | 42      | 0.37       | 0.075      | 25       | 15       | 1.01      | 223      | 0.18       | 0.49    | 1.84       | 0.009     | 0.52      | 0.049   | 0.0049   | 2.1      | 0.3      | 0.0249    | 6        |
| 11NG0350  | 0.3      | 0.2      | 43      | 0.22       | 0.053      | 8        | 22       | 0.59      | 191      | 0.078      | 0.49    | 1.55       | 0.014     | 0.21      | 0.049   | 0.0049   | 1.8      | 0.1      | 0.0249    | 6        |
| 11NG0349  | 0.2      | 0.4      | 16      | 0.17       | 0.031      | 31       | 12       | 0.35      | 108      | 0.059      | 0.49    | 1.27       | 0.036     | 0.1       | 0.049   | 0.0049   | 2.2      | 0.1      | 0.13      | 2        |
| 11NG0348  | 0.3      | 3.4      | 45      | 0.24       | 0.046      | 13       | 26       | 0.86      | 186      | 0.136      | 0.49    | 1.98       | 0.027     | 0.21      | 0.049   | 0.0049   | 1.8      | 0.2      | 0.1       | 5        |
| 11NG0347  | 0.3      | 4.9      | 33      | 0.17       | 0.044      | 27       | 26       | 0.61      | 202      | 0.084      | 0.49    | 1.79       | 0.026     | 0.11      | 0.049   | 0.02     | 2.7      | 0.1      | 0.1       | 4        |
| 11NG0346  | 0.3      | 0.3      | 24      | 0.23       | 0.041      | 29       | 22       | 0.49      | 405      | 0.047      | 0.49    | 1.35       | 0.012     | 0.12      | 0.049   | 0.0049   | 3.1      | 0.1      | 0.0249    | 3        |
| 11NG0345  | 0.4      | 0.3      | 62      | 0.26       | 0.043      | 21       | 14       | 1.03      | 352      | 0.159      | 0.49    | 2.65       | 0.009     | 0.57      | 0.049   | 0.0049   | 3.6      | 0.5      | 0.0249    | 7        |
| 11NG0344  | 0.7      | 0.2      | 41      | 0.34       | 0.027      | 8        | 33       | 0.93      | 258      | 0.073      | 0.49    | 2.16       | 0.008     | 0.19      | 0.1     | 0.0049   | 2.6      | 0.2      | 0.0249    | 6        |
| 11NG0343  | 0.4      | 0.1      | 42      | 0.26       | 0.023      | 14       | 20       | 0.58      | 233      | 0.061      | 0.49    | 1.75       | 0.011     | 0.24      | 0.049   | 0.01     | 2.7      | 0.1      | 0.0249    | 5        |
| 11NG0342  | 0.2      | 0.049    | 31      | 0.33       | 0.045      | 6        | 17       | 0.96      | 135      | 0.126      | 0.49    | 1.9        | 0.008     | 0.48      | 0.049   | 0.0049   | 1.4      | 0.2      | 0.0249    | 4        |
| 11NG0340  | 0.4      | 0.5      | 47      | 0.57       | 0.069      | 17       | 30       | 0.61      | 239      | 0.091      | 0.49    | 1.51       | 0.021     | 0.1       | 0.1     | 0.03     | 4.1      | 0.049    | 0.0249    | 4        |
| 11NG0339  | 0.4      | 0.5      | 53      | 0.53       | 0.073      | 17       | 34       | 0.61      | 249      | 0.098      | 0.49    | 1.49       | 0.025     | 0.13      | 0.2     | 0.02     | 4.1      | 0.1      | 0.0249    | 4        |
| 11NG0338  | 0.2      | 0.6      | 34      | 0.67       | 0.078      | 20       | 16       | 0.49      | 245      | 0.068      | 0.49    | 1.15       | 0.018     | 0.12      | 0.049   | 0.02     | 2.8      | 0.049    | 0.06      | 3        |
| 11NG0337  | 0.2      | 0.049    | 43      | 0.47       | 0.059      | 20       | 33       | 1.26      | 259      | 0.214      | 0.49    | 2.06       | 0.018     | 0.53      | 0.1     | 0.0049   | 1.7      | 0.4      | 0.06      | 4        |
| 11NG0336  | 0.4      | 0.1      | 29      | 0.33       | 0.037      | 47       | 29       | 0.45      | 195      | 0.091      | 0.49    | 1.46       | 0.012     | 0.32      | 0.1     | 0.01     | 3.8      | 0.3      | 0.0249    | 4        |
| 11NG0335  | 0.2      | 0.049    | 123     | 0.56       | 0.071      | 18       | 52       | 1.54      | 376      | 0.214      | 0.49    | 2.6        | 0.017     | 0.69      | 0.049   | 0.03     | 6.5      | 0.2      | 0.0249    | 8        |
| 11NG0334  | 0.4      | 0.3      | 18      | 0.31       | 0.05       | 32       | 11       | 0.29      | 134      | 0.007      | 2       | 1.24       | 0.006     | 0.15      | 0.049   | 0.04     | 4.5      | 0.1      | 0.0249    | 3        |
| 11NG0333  | 0.3      | 0.049    | 105     | 3.98       | 0.177      | 18       | 24       | 1.92      | 349      | 0.141      | 2       | 2.54       | 0.018     | 0.53      | 0.049   | 0.02     | 8.3      | 0.1      | 0.0249    | 7        |
| 11NG0332  | 0.3      | 0.1      | 43      | 0.39       | 0.025      | 11       | 19       | 0.43      | 205      | 0.078      | 0.49    | 1.51       | 0.009     | 0.21      | 0.049   | 0.01     | 1.7      | 0.2      | 0.0249    | 5        |
| 11NG0331  | 0.3      | 0.049    | 53      | 0.21       | 0.02       | 12       | 33       | 0.56      | 207      | 0.103      | 0.49    | 1.61       | 0.012     | 0.26      | 0.049   | 0.01     | 2.3      | 0.2      | 0.0249    | 5        |
| 11NG0330  | 0.1      | 0.049    | 14      | 0.2        | 0.026      | 19       | 8        | 0.37      | 202      | 0.039      | 0.49    | 1.46       | 0.032     | 0.08      | 0.049   | 0.0049   | 1.3      | 0.049    | 0.07      | 3        |
| 11NG0329  | 0.2      | 0.049    | 31      | 0.2        | 0.045      | 14       | 17       | 0.72      | 172      | 0.168      | 0.49    | 1.94       | 0.018     | 0.37      | 0.049   | 0.0049   | 1.2      | 0.3      | 0.0249    | 4        |
| 11NG0328  | 0.3      | 0.2      | 31      | 0.27       | 0.044      | 9        | 16       | 0.41      | 267      | 0.023      | 1       | 1.47       | 0.008     | 0.09      | 0.1     | 0.0049   | 2        | 0.049    | 0.0249    | 4        |
| 11NG0327  | 0.3      | 0.2      | 40      | 0.14       | 0.034      | 13       | 21       | 0.32      | 157      | 0.052      | 0.49    | 1.54       | 0.013     | 0.06      | 0.049   | 0.01     | 1.8      | 0.049    | 0.0249    | 4        |
| 11NG0326  | 0.2      | 2.7      | 9       | 0.16       | 0.039      | 28       | 6        | 0.11      | 171      | 0.039      | 0.49    | 0.64       | 0.019     | 0.16      | 0.049   | 0.0049   | 1        | 0.1      | 0.25      | 2        |
| 11NG0325  | 0.1      | 0.1      | 40      | 0.16       | 0.039      | 17       | 12       | 0.73      | 143      | 0.207      | 0.49    | 1.71       | 0.012     | 0.6       | 0.049   | 0.0049   | 1.6      | 0.5      | 0.0249    | 6        |
| 11NG0324  | 0.6      | 0.2      | 53      | 0.49       | 0.078      | 16       | 27       | 0.58      | 217      | 0.093      | 2       | 1.22       | 0.032     | 0.09      | 0.2     | 0.02     | 3        | 0.049    | 0.0249    | 3        |
| 11NG0323  | 0.3      | 0.2      | 26      | 0.29       | 0.046      | 27       | 15       | 0.47      | 141      | 0.088      | 2       | 1.41       | 0.06      | 0.1       | 0.049   | 0.0049   | 2.1      | 0.1      | 0.13      | 3        |
| 11NG0322  | 0.2      | 0.2      | 37      | 0.28       | 0.049      | 28       | 19       | 0.69      | 240      | 0.153      | 0.49    | 1.58       | 0.026     | 0.27      | 0.049   | 0.0049   | 2.5      | 0.3      | 0.07      | 5        |
| 11NG0320  | 0.1      | 0.1      | 44      | 0.6        | 0.065      | 6        | 16       | 0.66      | 277      | 0.119      | 2       | 1.31       | 0.013     | 0.22      | 0.1     | 0.03     | 1.6      | 0.049    | 0.0249    | 5        |
| 11NG0319  | 0.2      | 5.5      | 23      | 0.21       | 0.032      | 33       | 13       | 0.3       | 188      | 0.061      | 2       | 1.04       | 0.048     | 0.14      | 0.049   | 0.03     | 2.6      | 0.049    | 0.18      | 3        |
| 11NG0318  | 0.4      | 0.5      | 44      | 0.48       | 0.03       | 27       | 24       | 0.58      | 305      | 0.048      | 2       | 1.69       | 0.011     | 0.39      | 0.049   | 0.01     | 4.4      | 0.2      | 0.0249    | 5        |
| 11NG0317  | 0.2      | 0.049    | 76      | 1.93       | 0.184      | 11       | 46       | 2.82      | 114      | 0.15       | 3       | 2.77       | 0.011     | 0.35      | 0.049   | 0.02     | 6.5      | 0.049    | 0.0249    | 9        |
| 11NG0316  | 0.4      | 0.2      | 61      | 0.5        | 0.098      | 44       | 68       | 1.3       | 531      | 0.149      | 5       | 2.36       | 0.015     | 0.24      | 0.049   | 0.04     | 5.3      | 0.2      | 0.0249    | 8        |
| 11NG0315  | 0.2      | 0.049    | 83      | 0.72       | 0.135      | 14       | 35       | 1.38      | 416      | 0.204      | 4       | 2.25       | 0.012     | 0.87      | 0.1     | 0.0049   | 4.1      | 0.3      | 0.0249    | 8        |
| 11NG0314  | 0.3      | 1.3      | 30      | 0.6        | 0.06       | 27       | 19       | 0.39      | 275      | 0.05       | 1       | 1.42       | 0.018     | 0.11      | 0.1     | 0.04     | 3.6      | 0.1      | 0.09      | 4        |
| 11NG0313  | 0.2      | 0.2      | 23      | 0.51       | 0.066      | 32       | 10       | 0.58      | 155      | 0.093      | 2       | 1.43       | 0.026     | 0.26      | 0.049   | 0.02     | 2.3      | 0.2      | 0.0249    | 4        |
| 11NG0312  | 0.2      | 0.3      | 30      | 0.37       | 0.053      | 31       | 19       | 0.8       | 344      | 0.108      | 2       | 1.77       | 0.033     | 0.21      | 0.049   | 0.02     | 3        | 0.1      | 0.06      | 5        |
| 11NG0311  | 0.4      | 2.5      | 27      | 0.21       | 0.024      | 28       | 17       | 0.25      | 320      | 0.021      | 3       | 1.13       | 0.015     | 0.11      | 0.049   | 0.02     | 2.6      | 0.049    | 0.05      | 3        |
| 11NG0310  | 0.3      | 3.7      | 9       | 0.16       | 0.04       | 47       | 4        | 0.1       | 320      | 0.004      | 1       | 0.67       | 0.017     | 0.14      | 0.049   | 0.02     | 4        | 0.049    | 0.16      | 2        |
| 11NG0309  | 0.2      | 2.2      | 20      | 0.16       | 0.04       | 35       | 6        | 0.23      | 246      | 0.013      | 2       | 1.1        | 0.016     | 0.12      | 0.049   | 0.03     | 3.7      | 0.2      | 0.14      | 3        |
| 11NG0308  | 0.3      | 0.4      | 36      | 0.24       | 0.046      | 18       | 14       | 0.24      | 158      | 0.021      | 2       | 1.22       | 0.009     | 0.15      | 0.049   | 0.02     | 1.6      | 0.049    | 0.0249    | 4        |
| 11NG0307  | 0.4      | 0.2      | 50      | 0.58       | 0.05       | 28       | 21       | 0.55      | 275      | 0.069      | 3       | 1.45       | 0.016     | 0.24      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 4        |
| 11NG0306  | 0.3      | 0.3      | 65      | 1.26       | 0.063      | 17       | 22       | 0.81      | 419      | 0.089      | 2       | 1.77       | 0.02      | 0.3       | 0.1     | 0.03     | 4.5      | 0.1      | 0.05      | 5        |
| 11NG0305  | 0.4      | 0.1      | 125     | 0.67       | 0.127      | 17       | 25       | 1.69      | 296      | 0.186      | 3       | 2.38       | 0.019     | 0.75      | 0.2     | 0.05     | 8.7      | 0.5      | 0.0249    | 9        |
| 11NG0304  | 0.2      | 0.049    | 87      | 0.91       | 0.228      | 5        | 14       | 2.47      | 317      | 0.204      | 2       | 3.13       | 0.019     | 1.07      | 0.049   | 0.0049   | 5.9      | 0.2      | 0.0249    | 10       |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0303  | 0.049    | 0.049    | 86      | 0.68       | 0.128      | 3        | 6        | 2.15      | 287      | 0.21       | 4       | 2.47       | 0.014     | 0.74      | 0.049   | 0.0049   | 2.3      | 0.1      | 0.0249    | 5        |
| 11NG0302  | 0.2      | 0.1      | 64      | 0.28       | 0.023      | 7        | 26       | 0.84      | 253      | 0.128      | 3       | 1.81       | 0.01      | 0.48      | 0.049   | 0.02     | 2.5      | 0.2      | 0.06      | 6        |
| 11NG0300  | 0.3      | 0.2      | 59      | 0.45       | 0.038      | 19       | 31       | 0.51      | 269      | 0.126      | 1       | 1.76       | 0.013     | 0.36      | 0.1     | 0.01     | 3.8      | 0.2      | 0.0249    | 5        |
| 11NG0299  | 0.3      | 0.2      | 54      | 0.33       | 0.034      | 27       | 28       | 0.66      | 239      | 0.133      | 1       | 1.81       | 0.011     | 0.42      | 0.049   | 0.01     | 3.1      | 0.2      | 0.0249    | 6        |
| 11NG0298  | 0.5      | 5.4      | 15      | 0.06       | 0.049      | 35       | 8        | 0.11      | 166      | 0.018      | 0.49    | 0.83       | 0.066     | 0.23      | 0.049   | 0.02     | 1.6      | 0.2      | 0.58      | 2        |
| 11NG0297  | 0.4      | 2.3      | 36      | 0.15       | 0.057      | 21       | 19       | 0.56      | 169      | 0.129      | 1       | 2.02       | 0.042     | 0.17      | 0.049   | 0.02     | 2.4      | 0.2      | 0.21      | 5        |
| 11NG0296  | 0.2      | 12       | 22      | 0.1        | 0.042      | 45       | 13       | 0.19      | 130      | 0.033      | 0.49    | 0.95       | 0.27      | 0.21      | 0.049   | 0.02     | 2.3      | 0.049    | 1.12      | 4        |
| 11NG0295  | 0.3      | 0.8      | 34      | 0.11       | 0.047      | 31       | 16       | 0.22      | 261      | 0.033      | 0.49    | 1.68       | 0.126     | 0.1       | 0.049   | 0.0049   | 2        | 0.049    | 0.44      | 5        |
| 11NG0294  | 0.3      | 0.2      | 38      | 0.56       | 0.042      | 42       | 17       | 0.39      | 359      | 0.034      | 2       | 1.46       | 0.014     | 0.26      | 0.049   | 0.02     | 2.5      | 0.1      | 0.0249    | 4        |
| 11NG0293  | 0.7      | 0.2      | 64      | 0.51       | 0.03       | 22       | 39       | 0.66      | 228      | 0.105      | 2       | 1.75       | 0.024     | 0.16      | 0.1     | 0.04     | 6        | 0.049    | 0.0249    | 5        |
| 11NG0292  | 0.5      | 0.1      | 92      | 1.13       | 0.105      | 20       | 27       | 1.21      | 286      | 0.168      | 2       | 2.08       | 0.024     | 0.48      | 0.2     | 0.03     | 6.8      | 0.2      | 0.0249    | 6        |
| 11NG0291  | 0.2      | 0.049    | 60      | 0.97       | 0.207      | 4        | 14       | 1.66      | 213      | 0.164      | 2       | 2.22       | 0.02      | 0.74      | 0.049   | 0.0049   | 3.6      | 0.049    | 0.0249    | 7        |
| 11NG0290  | 0.3      | 0.049    | 94      | 0.73       | 0.156      | 8        | 17       | 1.63      | 352      | 0.152      | 2       | 2.38       | 0.02      | 0.48      | 0.049   | 0.02     | 6.4      | 0.049    | 0.0249    | 7        |
| 11NG0289  | 0.2      | 0.049    | 68      | 7.72       | 0.15       | 4        | 7        | 1.24      | 237      | 0.097      | 1       | 1.74       | 0.015     | 0.35      | 0.049   | 0.04     | 3.4      | 0.049    | 0.06      | 4        |
| 11NG0288  | 0.3      | 0.1      | 63      | 0.55       | 0.151      | 43       | 138      | 1.21      | 753      | 0.053      | 2       | 2.04       | 0.01      | 0.18      | 0.049   | 0.01     | 7.7      | 0.049    | 0.0249    | 9        |
| 11NG0287  | 0.2      | 0.1      | 35      | 0.24       | 0.045      | 11       | 14       | 0.75      | 260      | 0.138      | 0.49    | 1.91       | 0.035     | 0.37      | 0.049   | 0.0049   | 1.7      | 0.3      | 0.12      | 5        |
| 11NG0286  | 0.3      | 0.2      | 74      | 0.31       | 0.112      | 51       | 27       | 0.61      | 198      | 0.053      | 0.49    | 2.22       | 0.011     | 0.33      | 0.049   | 0.02     | 14.3     | 0.2      | 0.0249    | 6        |
| 11NG0285  | 0.1      | 0.8      | 9       | 0.09       | 0.054      | 41       | 6        | 0.09      | 218      | 0.006      | 0.49    | 0.47       | 0.167     | 0.17      | 0.049   | 0.01     | 1.4      | 0.049    | 0.69      | 1        |
| 11NG0284  | 0.3      | 1.2      | 16      | 0.12       | 0.058      | 28       | 8        | 0.2       | 161      | 0.048      | 0.49    | 1          | 0.024     | 0.07      | 0.049   | 0.02     | 2.7      | 0.1      | 0.09      | 2        |
| 11NG0283  | 0.2      | 0.1      | 84      | 0.68       | 0.097      | 8        | 14       | 1.05      | 307      | 0.211      | 2       | 2.24       | 0.022     | 0.91      | 0.2     | 0.01     | 5.2      | 0.3      | 0.0249    | 9        |
| 11NG0282  | 0.3      | 0.1      | 86      | 0.32       | 0.025      | 12       | 36       | 1.01      | 244      | 0.138      | 1       | 2.49       | 0.018     | 0.13      | 0.1     | 0.02     | 4.1      | 0.1      | 0.0249    | 8        |
| 11NG0280  | 0.3      | 0.2      | 83      | 0.27       | 0.035      | 11       | 38       | 0.83      | 197      | 0.124      | 2       | 2.77       | 0.022     | 0.12      | 0.049   | 0.03     | 4.2      | 0.1      | 0.0249    | 8        |
| 11NG0279  | 0.3      | 0.1      | 87      | 0.32       | 0.028      | 10       | 53       | 1.15      | 255      | 0.136      | 0.49    | 2.69       | 0.02      | 0.13      | 0.049   | 0.02     | 4.3      | 0.1      | 0.0249    | 7        |
| 11NG0278  | 0.3      | 0.1      | 81      | 0.4        | 0.099      | 25       | 41       | 1.23      | 625      | 0.157      | 1       | 2.31       | 0.015     | 0.53      | 0.1     | 0.02     | 7.5      | 0.2      | 0.0249    | 8        |
| 11NG0277  | 0.4      | 0.2      | 58      | 0.19       | 0.026      | 19       | 28       | 0.91      | 323      | 0.101      | 2       | 2.41       | 0.012     | 0.17      | 0.049   | 0.02     | 5.2      | 0.2      | 0.0249    | 7        |
| 11NG0276  | 0.2      | 0.049    | 33      | 0.12       | 0.027      | 19       | 13       | 0.72      | 202      | 0.083      | 2       | 1.62       | 0.008     | 0.26      | 0.049   | 0.0049   | 3.1      | 0.2      | 0.0249    | 5        |
| 11NG0275  | 0.4      | 0.2      | 90      | 0.23       | 0.032      | 13       | 54       | 1.31      | 386      | 0.146      | 2       | 2.66       | 0.014     | 0.2       | 0.049   | 0.03     | 6.2      | 0.2      | 0.0249    | 8        |
| 11NG0274  | 0.5      | 0.2      | 57      | 0.13       | 0.032      | 17       | 32       | 0.55      | 282      | 0.065      | 1       | 2.05       | 0.01      | 0.11      | 0.049   | 0.04     | 4        | 0.1      | 0.0249    | 6        |
| 11NG0273  | 0.4      | 0.1      | 54      | 0.37       | 0.074      | 24       | 30       | 0.49      | 662      | 0.035      | 0.49    | 1.66       | 0.013     | 0.11      | 0.049   | 0.03     | 6        | 0.049    | 0.0249    | 5        |
| 11NG0272  | 0.8      | 0.049    | 126     | 0.65       | 0.063      | 12       | 68       | 1.68      | 286      | 0.02       | 2       | 3.26       | 0.013     | 0.08      | 0.2     | 0.04     | 13.4     | 0.049    | 0.0249    | 10       |
| 11NG0271  | 0.6      | 0.2      | 100     | 0.31       | 0.044      | 9        | 46       | 0.9       | 237      | 0.096      | 2       | 2.86       | 0.022     | 0.06      | 0.1     | 0.02     | 4.5      | 0.1      | 0.0249    | 8        |
| 11NG0270  | 0.5      | 0.4      | 92      | 0.28       | 0.049      | 13       | 46       | 0.73      | 294      | 0.104      | 2       | 2.8        | 0.02      | 0.06      | 0.1     | 0.03     | 5.1      | 0.1      | 0.0249    | 8        |
| 11NG0269  | 0.3      | 0.1      | 52      | 0.2        | 0.084      | 25       | 24       | 0.21      | 263      | 0.006      | 2       | 1.49       | 0.009     | 0.14      | 0.049   | 0.02     | 10.5     | 0.1      | 0.0249    | 3        |
| 11NG0268  | 0.5      | 0.3      | 81      | 0.29       | 0.071      | 10       | 30       | 0.57      | 138      | 0.071      | 0.49    | 2.32       | 0.008     | 0.07      | 0.049   | 0.02     | 3.3      | 0.1      | 0.0249    | 8        |
| 11NG0267  | 0.4      | 0.2      | 81      | 0.35       | 0.06       | 12       | 39       | 0.91      | 260      | 0.086      | 3       | 2.36       | 0.015     | 0.08      | 0.1     | 0.03     | 5        | 0.049    | 0.0249    | 7        |
| 11NG0266  | 0.4      | 0.2      | 74      | 0.35       | 0.057      | 12       | 35       | 0.77      | 231      | 0.087      | 1       | 2.1        | 0.017     | 0.08      | 0.049   | 0.03     | 4.2      | 0.049    | 0.0249    | 6        |
| 11NG0265  | 0.4      | 0.1      | 73      | 0.42       | 0.054      | 12       | 33       | 0.77      | 222      | 0.089      | 3       | 2.14       | 0.018     | 0.06      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |
| 11NG0264  | 0.4      | 0.2      | 74      | 0.36       | 0.061      | 8        | 34       | 0.74      | 202      | 0.078      | 1       | 2.43       | 0.014     | 0.09      | 0.1     | 0.02     | 3.3      | 0.049    | 0.05      | 6        |
| 11NG0263  | 0.3      | 0.2      | 83      | 0.37       | 0.062      | 8        | 34       | 0.83      | 219      | 0.091      | 1       | 2.25       | 0.018     | 0.06      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 7        |
| 11NG0262  | 0.4      | 0.1      | 85      | 0.36       | 0.054      | 8        | 42       | 0.87      | 168      | 0.084      | 2       | 2.59       | 0.019     | 0.07      | 0.049   | 0.01     | 4.1      | 0.049    | 0.0249    | 7        |
| 11NG0260  | 0.3      | 0.2      | 97      | 1.38       | 0.336      | 50       | 196      | 3.24      | 1402     | 0.269      | 2       | 2.89       | 0.047     | 0.44      | 0.1     | 0.02     | 4.5      | 0.2      | 0.05      | 10       |
| 11NG0259  | 0.2      | 0.2      | 81      | 0.8        | 0.154      | 24       | 96       | 1.63      | 501      | 0.166      | 0.49    | 2.19       | 0.017     | 0.15      | 0.1     | 0.03     | 5.4      | 0.1      | 0.0249    | 8        |
| 11NG0258  | 0.2      | 0.049    | 50      | 0.39       | 0.067      | 23       | 19       | 0.72      | 307      | 0.112      | 0.49    | 1.63       | 0.009     | 0.53      | 0.1     | 0.01     | 5.9      | 0.2      | 0.0249    | 8        |
| 11NG0257  | 0.3      | 0.1      | 57      | 0.55       | 0.046      | 16       | 23       | 0.6       | 656      | 0.094      | 2       | 1.59       | 0.013     | 0.17      | 0.1     | 0.03     | 5.3      | 0.1      | 0.0249    | 7        |
| 11NG0256  | 0.2      | 0.1      | 62      | 0.52       | 0.055      | 16       | 22       | 0.57      | 495      | 0.059      | 0.49    | 1.69       | 0.011     | 0.29      | 0.049   | 0.0049   | 4.7      | 0.1      | 0.0249    | 7        |
| 11NG0255  | 0.4      | 0.2      | 57      | 0.42       | 0.048      | 11       | 25       | 0.49      | 251      | 0.068      | 1       | 1.5        | 0.011     | 0.14      | 0.049   | 0.01     | 2.4      | 0.049    | 0.0249    | 6        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0254  | 0.2      | 0.1      | 53      | 0.22       | 0.058      | 12       | 20       | 0.75      | 195      | 0.091      | 1       | 1.96       | 0.009     | 0.36      | 0.1     | 0.0049   | 4.1      | 0.2      | 0.0249    | 7        |
| 11NG0253  | 0.3      | 0.2      | 65      | 0.43       | 0.032      | 12       | 27       | 0.64      | 292      | 0.115      | 1       | 1.62       | 0.011     | 0.17      | 0.2     | 0.0049   | 4.1      | 0.1      | 0.0249    | 6        |
| 11NG0252  | 0.3      | 0.2      | 64      | 0.38       | 0.046      | 19       | 31       | 0.67      | 506      | 0.077      | 0.49    | 1.83       | 0.011     | 0.13      | 0.1     | 0.02     | 5.8      | 0.1      | 0.0249    | 6        |
| 11NG0251  | 0.1      | 0.049    | 71      | 0.32       | 0.067      | 8        | 21       | 1         | 350      | 0.209      | 0.49    | 1.94       | 0.008     | 0.82      | 0.1     | 0.0049   | 4.8      | 0.3      | 0.0249    | 9        |
| 11NG0250  | 0.2      | 0.2      | 71      | 0.54       | 0.073      | 16       | 26       | 0.77      | 607      | 0.115      | 1       | 1.7        | 0.012     | 0.5       | 0.1     | 0.01     | 6.8      | 0.2      | 0.0249    | 7        |
| 11NG0249  | 0.2      | 0.2      | 57      | 0.69       | 0.051      | 15       | 38       | 0.63      | 649      | 0.055      | 2       | 1.45       | 0.012     | 0.11      | 0.049   | 0.02     | 4        | 0.1      | 0.0249    | 6        |
| 11NG0248  | 0.2      | 0.1      | 88      | 0.77       | 0.059      | 11       | 52       | 1.39      | 539      | 0.097      | 0.49    | 2.39       | 0.015     | 0.14      | 0.049   | 0.04     | 6.7      | 0.2      | 0.0249    | 8        |
| 11NG0247  | 0.2      | 0.2      | 109     | 0.88       | 0.122      | 11       | 50       | 1.68      | 500      | 0.091      | 0.49    | 2.67       | 0.017     | 0.42      | 0.049   | 0.0049   | 13.9     | 0.3      | 0.0249    | 10       |
| 11NG0246  | 0.2      | 0.1      | 51      | 0.48       | 0.029      | 13       | 25       | 0.4       | 297      | 0.055      | 0.49    | 1.24       | 0.012     | 0.08      | 0.049   | 0.01     | 2.5      | 0.049    | 0.0249    | 5        |
| 11NG0245  | 0.1      | 0.049    | 34      | 0.2        | 0.025      | 14       | 21       | 0.45      | 333      | 0.029      | 0.49    | 1.38       | 0.009     | 0.09      | 0.049   | 0.0049   | 3.9      | 0.049    | 0.0249    | 4        |
| 11NG0244  | 0.3      | 0.2      | 93      | 0.51       | 0.067      | 13       | 28       | 1.01      | 396      | 0.045      | 0.49    | 2.11       | 0.012     | 0.07      | 0.049   | 0.02     | 11.8     | 0.049    | 0.0249    | 8        |
| 11NG0243  | 0.5      | 0.2      | 82      | 0.69       | 0.141      | 46       | 113      | 1.07      | 642      | 0.047      | 0.49    | 2.02       | 0.016     | 0.07      | 0.049   | 0.03     | 9.8      | 0.049    | 0.0249    | 6        |
| 11NG0242  | 0.2      | 0.1      | 94      | 0.32       | 0.03       | 8        | 70       | 1.22      | 210      | 0.1        | 0.49    | 3.28       | 0.014     | 0.06      | 0.1     | 0.02     | 5.6      | 0.1      | 0.0249    | 7        |
| 11NG0240  | 0.3      | 0.2      | 74      | 0.32       | 0.026      | 14       | 48       | 0.72      | 328      | 0.082      | 1       | 2.33       | 0.014     | 0.06      | 0.1     | 0.04     | 5.7      | 0.049    | 0.0249    | 6        |
| 11NG0239  | 0.2      | 0.1      | 109     | 0.34       | 0.055      | 9        | 44       | 1.09      | 175      | 0.125      | 0.49    | 2.78       | 0.013     | 0.08      | 0.1     | 0.03     | 4.9      | 0.049    | 0.0249    | 9        |
| 11NG0238  | 0.4      | 0.1      | 75      | 0.23       | 0.023      | 10       | 40       | 0.72      | 208      | 0.08       | 0.49    | 2.48       | 0.013     | 0.05      | 0.1     | 0.04     | 4.2      | 0.049    | 0.0249    | 6        |
| 11NG0237  | 0.4      | 0.1      | 90      | 0.18       | 0.019      | 8        | 42       | 0.79      | 208      | 0.098      | 0.49    | 2.73       | 0.009     | 0.08      | 0.1     | 0.03     | 3.9      | 0.049    | 0.0249    | 7        |
| 11NG0236  | 0.3      | 0.1      | 68      | 0.31       | 0.077      | 14       | 33       | 0.72      | 200      | 0.085      | 0.49    | 1.92       | 0.011     | 0.08      | 0.049   | 0.03     | 4.1      | 0.049    | 0.0249    | 5        |
| 11NG0235  | 0.4      | 0.1      | 94      | 0.37       | 0.053      | 14       | 42       | 0.94      | 226      | 0.124      | 2       | 2.16       | 0.017     | 0.08      | 0.1     | 0.03     | 6.6      | 0.049    | 0.0249    | 7        |
| 11NG0234  | 0.4      | 0.1      | 95      | 0.3        | 0.048      | 8        | 40       | 0.81      | 183      | 0.139      | 2       | 2.67       | 0.012     | 0.08      | 0.1     | 0.02     | 4.2      | 0.049    | 0.0249    | 8        |
| 11NG0233  | 0.3      | 0.1      | 102     | 0.4        | 0.059      | 13       | 38       | 1.07      | 246      | 0.115      | 1       | 2.51       | 0.015     | 0.07      | 0.1     | 0.03     | 6.8      | 0.049    | 0.0249    | 7        |
| 11NG0232  | 0.4      | 0.2      | 98      | 0.67       | 0.072      | 12       | 36       | 0.95      | 226      | 0.086      | 2       | 2.01       | 0.011     | 0.07      | 0.1     | 0.03     | 5.6      | 0.1      | 0.0249    | 7        |
| 11NG0231  | 0.3      | 0.1      | 95      | 0.85       | 0.15       | 28       | 89       | 1.64      | 603      | 0.161      | 2       | 2.49       | 0.016     | 0.15      | 0.1     | 0.06     | 8.6      | 0.2      | 0.07      | 8        |
| 11NG0230  | 0.3      | 0.049    | 94      | 0.42       | 0.054      | 11       | 37       | 1.29      | 288      | 0.195      | 2       | 2.21       | 0.015     | 0.26      | 0.1     | 0.03     | 6.4      | 0.1      | 0.0249    | 8        |
| 11NG0229  | 0.4      | 0.1      | 73      | 0.24       | 0.045      | 12       | 37       | 0.92      | 213      | 0.116      | 2       | 2.34       | 0.012     | 0.07      | 0.1     | 0.02     | 5.4      | 0.1      | 0.0249    | 7        |
| 11NG0228  | 0.3      | 0.1      | 87      | 0.25       | 0.072      | 9        | 35       | 1.12      | 140      | 0.201      | 2       | 2.14       | 0.017     | 0.14      | 0.1     | 0.02     | 5.3      | 0.1      | 0.0249    | 9        |
| 11NG0227  | 0.2      | 0.049    | 111     | 0.2        | 0.044      | 11       | 27       | 1.57      | 208      | 0.215      | 0.49    | 2.79       | 0.015     | 0.21      | 0.1     | 0.01     | 5.7      | 0.2      | 0.0249    | 10       |
| 11NG0226  | 0.4      | 0.2      | 79      | 0.21       | 0.025      | 12       | 36       | 0.67      | 211      | 0.118      | 2       | 1.79       | 0.012     | 0.09      | 0.2     | 0.02     | 3.7      | 0.1      | 0.0249    | 6        |
| 11NG0225  | 0.2      | 0.1      | 93      | 0.3        | 0.053      | 10       | 27       | 0.88      | 281      | 0.15       | 0.49    | 2.22       | 0.014     | 0.14      | 0.1     | 0.03     | 4.5      | 0.1      | 0.0249    | 9        |
| 11NG0224  | 0.3      | 0.1      | 84      | 0.31       | 0.046      | 10       | 32       | 0.93      | 275      | 0.117      | 0.49    | 2.22       | 0.008     | 0.21      | 0.1     | 0.01     | 5.1      | 0.1      | 0.0249    | 8        |
| 11NG0223  | 0.3      | 0.1      | 87      | 0.57       | 0.045      | 17       | 39       | 0.99      | 406      | 0.08       | 0.49    | 2.5        | 0.012     | 0.09      | 0.1     | 0.03     | 7.7      | 0.049    | 0.0249    | 7        |
| 11NG0222  | 0.2      | 0.1      | 60      | 0.63       | 0.06       | 12       | 31       | 0.72      | 506      | 0.016      | 1       | 1.81       | 0.008     | 0.09      | 0.049   | 0.0049   | 5.2      | 0.049    | 0.0249    | 5        |
| 11NG0220  | 0.2      | 0.1      | 86      | 0.73       | 0.074      | 21       | 23       | 0.95      | 752      | 0.102      | 1       | 2.32       | 0.013     | 0.52      | 0.049   | 0.04     | 9.4      | 0.3      | 0.0249    | 8        |
| 11NG0219  | 0.5      | 0.049    | 80      | 0.65       | 0.068      | 12       | 47       | 1         | 439      | 0.091      | 0.49    | 2.02       | 0.012     | 0.14      | 0.2     | 0.02     | 7.3      | 0.049    | 0.0249    | 6        |
| 11NG0218  | 0.4      | 0.1      | 85      | 0.96       | 0.159      | 21       | 47       | 1         | 585      | 0.061      | 2       | 1.77       | 0.013     | 0.16      | 0.2     | 0.04     | 9.1      | 0.1      | 0.0249    | 6        |
| 11NG0217  | 0.3      | 0.2      | 103     | 1.1        | 0.097      | 47       | 93       | 1.52      | 780      | 0.114      | 0.49    | 2.61       | 0.012     | 0.19      | 0.2     | 0.04     | 11.2     | 0.2      | 0.0249    | 9        |
| 11NG0216  | 0.2      | 0.049    | 109     | 0.18       | 0.031      | 6        | 41       | 1.73      | 218      | 0.239      | 0.49    | 3.23       | 0.011     | 0.4       | 0.049   | 0.0049   | 4.4      | 0.2      | 0.0249    | 9        |
| 11NG0215  | 0.3      | 0.049    | 69      | 0.25       | 0.031      | 13       | 31       | 0.93      | 426      | 0.134      | 0.49    | 2.11       | 0.011     | 0.18      | 0.2     | 0.02     | 5.6      | 0.1      | 0.0249    | 7        |
| 11NG0214  | 0.4      | 0.2      | 84      | 0.15       | 0.033      | 10       | 30       | 0.84      | 201      | 0.103      | 1       | 2.86       | 0.007     | 0.14      | 0.2     | 0.04     | 3.2      | 0.1      | 0.0249    | 8        |
| 11NG0213  | 0.3      | 0.2      | 81      | 0.21       | 0.042      | 10       | 34       | 0.78      | 232      | 0.113      | 1       | 2.68       | 0.007     | 0.15      | 0.1     | 0.02     | 4.1      | 0.2      | 0.0249    | 7        |
| 11NG0212  | 0.4      | 0.1      | 81      | 0.25       | 0.055      | 11       | 32       | 0.88      | 224      | 0.112      | 1       | 2.51       | 0.008     | 0.11      | 0.2     | 0.01     | 4.6      | 0.1      | 0.0249    | 7        |
| 11NG0211  | 0.3      | 0.2      | 96      | 0.54       | 0.104      | 21       | 84       | 1.25      | 636      | 0.125      | 1       | 2.81       | 0.011     | 0.11      | 0.1     | 0.05     | 6.4      | 0.1      | 0.0249    | 9        |
| 11NG0210  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11NG0209  | 0.3      | 0.1      | 83      | 0.32       | 0.028      | 11       | 41       | 0.88      | 261      | 0.098      | 0.49    | 2.38       | 0.01      | 0.07      | 0.1     | 0.01     | 5.6      | 0.1      | 0.0249    | 7        |
| 11NG0208  | 0.3      | 0.1      | 84      | 0.26       | 0.038      | 8        | 36       | 0.85      | 223      | 0.104      | 0.49    | 2.26       | 0.008     | 0.12      | 0.1     | 0.01     | 4.5      | 0.1      | 0.0249    | 8        |
| 11NG0207  | 0.2      | 0.049    | 96      | 0.51       | 0.086      | 9        | 22       | 1.25      | 446      | 0.215      | 0.49    | 2.58       | 0.012     | 0.46      | 0.1     | 0.02     | 4.7      | 0.2      | 0.0249    | 8        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0206  | 0.2      | 0.049    | 52      | 0.98       | 0.053      | 15       | 29       | 0.86      | 438      | 0.046      | 2       | 1.94       | 0.009     | 0.12      | 0.049   | 0.05     | 4.2      | 0.049    | 0.07      | 6        |
| 11NG0205  | 0.2      | 0.049    | 63      | 0.75       | 0.08       | 15       | 23       | 0.89      | 365      | 0.093      | 1       | 1.99       | 0.012     | 0.19      | 0.2     | 0.05     | 5.8      | 0.049    | 0.0249    | 7        |
| 11NG0204  | 0.2      | 0.049    | 59      | 0.57       | 0.063      | 5        | 52       | 0.94      | 295      | 0.059      | 1       | 1.82       | 0.018     | 0.07      | 0.1     | 0.01     | 3.7      | 0.049    | 0.0249    | 5        |
| 11NG0203  | 0.3      | 0.1      | 57      | 0.75       | 0.084      | 4        | 24       | 0.78      | 345      | 0.059      | 3       | 1.86       | 0.009     | 0.21      | 0.049   | 0.0049   | 2        | 0.049    | 0.0249    | 7        |
| 11NG0202  | 0.2      | 0.1      | 71      | 0.62       | 0.07       | 12       | 25       | 0.92      | 332      | 0.096      | 1       | 2.14       | 0.01      | 0.17      | 0.1     | 0.03     | 5.6      | 0.1      | 0.0249    | 7        |
| 11NG0200  | 0.049    | 0.7      | 65      | 0.42       | 0.101      | 4        | 13       | 1.2       | 346      | 0.218      | 0.49    | 2.26       | 0.011     | 0.9       | 0.049   | 0.0049   | 1.6      | 0.4      | 0.0249    | 6        |
| 11NG0199  | 0.1      | 0.049    | 104     | 0.69       | 0.15       | 9        | 14       | 1.79      | 654      | 0.139      | 1       | 2.65       | 0.013     | 0.64      | 0.049   | 0.0049   | 10.5     | 0.2      | 0.0249    | 10       |
| 11NG0198  | 0.1      | 0.1      | 94      | 0.6        | 0.107      | 15       | 23       | 1.8       | 601      | 0.12       | 1       | 2.46       | 0.009     | 0.6       | 0.1     | 0.02     | 14.2     | 0.2      | 0.0249    | 11       |
| 11NG0197  | 0.3      | 0.2      | 56      | 0.53       | 0.052      | 16       | 24       | 0.85      | 353      | 0.053      | 1       | 1.93       | 0.009     | 0.17      | 0.049   | 0.0049   | 5.8      | 0.049    | 0.0249    | 7        |
| 11NG0196  | 0.4      | 0.1      | 87      | 0.56       | 0.044      | 10       | 42       | 1.13      | 461      | 0.061      | 2       | 2.33       | 0.01      | 0.11      | 0.049   | 0.02     | 9.2      | 0.049    | 0.0249    | 8        |
| 11NG0195  | 0.2      | 0.049    | 103     | 0.46       | 0.091      | 7        | 101      | 2.45      | 373      | 0.156      | 2       | 2.94       | 0.01      | 0.2       | 0.049   | 0.01     | 6.1      | 0.1      | 0.0249    | 10       |
| 11NG0194  | 0.2      | 0.049    | 37      | 0.19       | 0.016      | 13       | 20       | 0.87      | 306      | 0.093      | 0.49    | 1.59       | 0.005     | 0.3       | 0.049   | 0.0049   | 5.6      | 0.2      | 0.0249    | 5        |
| 11NG0193  | 0.2      | 0.049    | 49      | 0.17       | 0.016      | 9        | 17       | 1.3       | 398      | 0.132      | 0.49    | 2.12       | 0.006     | 0.57      | 0.049   | 0.0049   | 6.1      | 0.2      | 0.0249    | 7        |
| 11NG0192  | 0.3      | 0.1      | 56      | 0.21       | 0.028      | 12       | 36       | 0.84      | 363      | 0.08       | 0.49    | 1.87       | 0.006     | 0.2       | 0.1     | 0.02     | 4.4      | 0.1      | 0.0249    | 6        |
| 11NG0191  | 0.4      | 0.049    | 59      | 0.33       | 0.029      | 10       | 29       | 1.54      | 400      | 0.132      | 0.49    | 2.32       | 0.008     | 0.57      | 0.049   | 0.0049   | 8.3      | 0.3      | 0.0249    | 7        |
| 11NG0190  | 0.5      | 0.049    | 53      | 0.12       | 0.057      | 12       | 17       | 0.84      | 227      | 0.099      | 0.49    | 2.54       | 0.008     | 0.26      | 0.049   | 0.02     | 5        | 0.2      | 0.0249    | 7        |
| 11NG0189  | 0.6      | 0.1      | 74      | 0.26       | 0.059      | 13       | 29       | 0.73      | 212      | 0.101      | 1       | 2.57       | 0.008     | 0.14      | 0.049   | 0.02     | 4.5      | 0.2      | 0.0249    | 9        |
| 11NG0188  | 0.6      | 0.2      | 84      | 0.27       | 0.037      | 18       | 39       | 0.8       | 383      | 0.088      | 1       | 2.58       | 0.014     | 0.1       | 0.1     | 0.04     | 10.5     | 0.1      | 0.0249    | 8        |
| 11NG0187  | 0.5      | 0.1      | 91      | 0.41       | 0.042      | 13       | 47       | 0.88      | 264      | 0.127      | 0.49    | 2.58       | 0.017     | 0.09      | 0.049   | 0.04     | 7.4      | 0.1      | 0.0249    | 8        |
| 11NG0185  | 0.5      | 0.1      | 121     | 1.09       | 0.271      | 37       | 132      | 2.49      | 1012     | 0.212      | 1       | 2.68       | 0.035     | 0.35      | 0.1     | 0.03     | 6        | 0.2      | 0.0249    | 9        |
| 11NG0184  | 0.4      | 0.1      | 101     | 0.73       | 0.124      | 13       | 72       | 1.34      | 387      | 0.109      | 2       | 2.18       | 0.024     | 0.1       | 0.1     | 0.03     | 5.5      | 0.1      | 0.0249    | 7        |
| 11NG0182  | 0.3      | 0.1      | 104     | 0.27       | 0.08       | 17       | 30       | 1.56      | 301      | 0.166      | 1       | 2.61       | 0.01      | 0.38      | 0.1     | 0.01     | 12.8     | 0.2      | 0.0249    | 12       |
| 11NG0180  | 0.4      | 0.2      | 80      | 0.2        | 0.047      | 16       | 30       | 0.52      | 394      | 0.078      | 2       | 2.01       | 0.01      | 0.07      | 0.049   | 0.03     | 7.6      | 0.1      | 0.0249    | 9        |
| 11NG0179  | 0.5      | 0.2      | 91      | 0.33       | 0.088      | 20       | 48       | 0.86      | 544      | 0.077      | 2       | 2.44       | 0.013     | 0.12      | 0.1     | 0.08     | 18.4     | 0.049    | 0.0249    | 8        |
| 11NG0178  | 0.6      | 0.2      | 70      | 0.27       | 0.057      | 14       | 33       | 0.42      | 648      | 0.022      | 2       | 2.01       | 0.011     | 0.1       | 0.049   | 0.06     | 7.9      | 0.2      | 0.0249    | 6        |
| 11NG0177  | 0.6      | 0.1      | 115     | 1.08       | 0.304      | 32       | 184      | 2.28      | 654      | 0.177      | 3       | 2.87       | 0.024     | 0.08      | 0.1     | 0.06     | 10.1     | 0.2      | 0.0249    | 10       |
| 11NG0176  | 0.7      | 0.1      | 109     | 0.72       | 0.129      | 8        | 150      | 2.2       | 532      | 0.287      | 2       | 3.51       | 0.018     | 0.9       | 0.049   | 0.01     | 15.7     | 0.4      | 0.0249    | 10       |
| 11NG0175  | 0.4      | 0.1      | 81      | 0.69       | 0.107      | 12       | 77       | 1.17      | 524      | 0.078      | 2       | 2.25       | 0.018     | 0.1       | 0.1     | 0.04     | 8.2      | 0.1      | 0.0249    | 8        |
| 11NG0174  | 0.2      | 0.049    | 55      | 0.26       | 0.048      | 7        | 17       | 0.68      | 144      | 0.181      | 1       | 2.05       | 0.011     | 0.21      | 0.049   | 0.01     | 2.8      | 0.049    | 0.0249    | 8        |
| 11NG0173  | 0.2      | 0.049    | 106     | 0.84       | 0.161      | 8        | 17       | 1.48      | 384      | 0.269      | 1       | 2.63       | 0.02      | 0.4       | 0.049   | 0.01     | 6.3      | 0.1      | 0.0249    | 10       |
| 11NG0172  | 0.3      | 0.1      | 67      | 0.55       | 0.05       | 15       | 32       | 0.97      | 600      | 0.103      | 2       | 1.86       | 0.012     | 0.24      | 0.049   | 0.02     | 8        | 0.049    | 0.0249    | 7        |
| 11NG0171  | 0.4      | 0.2      | 63      | 0.67       | 0.046      | 11       | 25       | 0.65      | 395      | 0.076      | 2       | 1.72       | 0.011     | 0.3       | 0.1     | 0.01     | 4.9      | 0.049    | 0.0249    | 7        |
| 11NG0170  | 0.5      | 0.1      | 74      | 0.33       | 0.036      | 15       | 32       | 1.07      | 348      | 0.083      | 2       | 2.02       | 0.012     | 0.09      | 0.049   | 0.03     | 9.5      | 0.049    | 0.0249    | 7        |
| 11NG0169  | 0.5      | 0.2      | 57      | 0.32       | 0.028      | 17       | 32       | 0.6       | 307      | 0.087      | 2       | 1.72       | 0.016     | 0.09      | 0.1     | 0.03     | 6.2      | 0.1      | 0.0249    | 5        |
| 11NG0168  | 0.3      | 0.1      | 49      | 0.31       | 0.041      | 16       | 27       | 0.42      | 343      | 0.07       | 1       | 1.37       | 0.01      | 0.11      | 0.1     | 0.03     | 3.2      | 0.049    | 0.0249    | 5        |
| 11NG0167  | 1.8      | 0.3      | 79      | 0.43       | 0.052      | 20       | 40       | 0.99      | 480      | 0.061      | 1       | 2          | 0.012     | 0.13      | 0.049   | 0.03     | 7.9      | 0.1      | 0.0249    | 5        |
| 11NG0166  | 0.3      | 0.1      | 55      | 0.17       | 0.017      | 16       | 31       | 0.82      | 317      | 0.107      | 1       | 1.78       | 0.009     | 0.13      | 0.049   | 0.01     | 4.8      | 0.1      | 0.0249    | 6        |
| 11NG0165  | 0.4      | 0.1      | 66      | 0.3        | 0.021      | 19       | 38       | 1.14      | 423      | 0.145      | 2       | 2.06       | 0.015     | 0.15      | 0.049   | 0.01     | 8.3      | 0.1      | 0.0249    | 6        |
| 11NG0164  | 0.2      | 0.1      | 49      | 0.19       | 0.033      | 15       | 22       | 0.92      | 327      | 0.132      | 1       | 1.79       | 0.008     | 0.4       | 0.049   | 0.01     | 5.5      | 0.1      | 0.0249    | 6        |
| 11NG0163  | 0.4      | 0.1      | 62      | 0.09       | 0.02       | 10       | 29       | 0.85      | 241      | 0.114      | 2       | 2.23       | 0.008     | 0.25      | 0.1     | 0.01     | 5        | 0.2      | 0.0249    | 8        |
| 11NG0162  | 0.5      | 0.2      | 57      | 0.08       | 0.02       | 13       | 28       | 0.68      | 196      | 0.091      | 2       | 1.93       | 0.01      | 0.21      | 0.049   | 0.02     | 4.1      | 0.1      | 0.0249    | 6        |
| 11NG0160  | 0.2      | 0.1      | 95      | 0.47       | 0.148      | 49       | 227      | 2.34      | 622      | 0.165      | 2       | 2.53       | 0.015     | 0.17      | 0.049   | 0.0049   | 4.5      | 0.1      | 0.0249    | 10       |
| 11NG0159  | 0.3      | 0.1      | 60      | 0.25       | 0.032      | 7        | 21       | 0.62      | 279      | 0.057      | 1       | 2.04       | 0.007     | 0.17      | 0.049   | 0.0049   | 3.1      | 0.049    | 0.0249    | 6        |
| 11NG0158  | 0.4      | 0.1      | 77      | 0.16       | 0.054      | 8        | 36       | 0.72      | 224      | 0.098      | 1       | 2.09       | 0.007     | 0.16      | 0.1     | 0.0049   | 3.5      | 0.049    | 0.0249    | 7        |
| 11NG0157  | 0.2      | 0.1      | 143     | 0.25       | 0.059      | 8        | 20       | 1.73      | 359      | 0.14       | 0.49    | 3.29       | 0.012     | 0.41      | 0.049   | 0.02     | 9.6      | 0.2      | 0.0249    | 10       |
| 11NG0156  | 0.4      | 0.2      | 73      | 0.17       | 0.045      | 10       | 33       | 0.54      | 256      | 0.067      | 1       | 2.17       | 0.007     | 0.1       | 0.1     | 0.02     | 3        | 0.1      | 0.0249    | 7        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0155  | 0.3      | 0.1      | 51      | 0.12       | 0.03       | 11       | 27       | 0.59      | 213      | 0.059      | 0.49    | 1.98       | 0.007     | 0.12      | 0.1     | 0.01     | 3.2      | 0.049    | 0.0249    | 5        |
| 11NG0154  | 0.3      | 0.1      | 50      | 0.16       | 0.032      | 12       | 23       | 0.49      | 267      | 0.048      | 0.49    | 2.02       | 0.006     | 0.11      | 0.049   | 0.01     | 3.1      | 0.1      | 0.0249    | 6        |
| 11NG0153  | 0.3      | 0.2      | 57      | 0.25       | 0.047      | 12       | 30       | 0.54      | 350      | 0.049      | 1       | 1.82       | 0.007     | 0.06      | 0.1     | 0.03     | 4        | 0.1      | 0.0249    | 5        |
| 11NG0152  | 0.4      | 0.1      | 90      | 0.61       | 0.102      | 14       | 95       | 1.3       | 448      | 0.096      | 2       | 2.38       | 0.012     | 0.13      | 0.2     | 0.05     | 8.7      | 0.1      | 0.0249    | 7        |
| 11NG0151  | 0.3      | 0.049    | 85      | 0.49       | 0.091      | 10       | 70       | 1.21      | 256      | 0.093      | 1       | 2.29       | 0.011     | 0.09      | 0.1     | 0.02     | 6        | 0.1      | 0.0249    | 7        |
| 11NG0150  | 0.2      | 0.049    | 95      | 0.43       | 0.062      | 11       | 61       | 1.08      | 340      | 0.109      | 1       | 2.67       | 0.015     | 0.13      | 0.1     | 0.03     | 6.5      | 0.1      | 0.0249    | 8        |
| 11NG0149  | 0.3      | 0.2      | 68      | 0.23       | 0.036      | 20       | 53       | 0.93      | 426      | 0.105      | 0.49    | 2.27       | 0.011     | 0.08      | 0.1     | 0.02     | 3.8      | 0.1      | 0.0249    | 7        |
| 11NG0148  | 0.5      | 0.3      | 73      | 0.21       | 0.064      | 20       | 85       | 1.34      | 325      | 0.133      | 1       | 2.64       | 0.014     | 0.1       | 0.1     | 0.02     | 5        | 0.2      | 0.0249    | 8        |
| 11NG0147  | 0.5      | 0.2      | 56      | 0.42       | 0.054      | 11       | 32       | 0.63      | 345      | 0.081      | 3       | 1.87       | 0.012     | 0.16      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 6        |
| 11NG0146  | 0.3      | 0.049    | 41      | 0.27       | 0.065      | 11       | 20       | 0.92      | 211      | 0.127      | 2       | 1.73       | 0.007     | 0.47      | 0.1     | 0.02     | 3.9      | 0.2      | 0.0249    | 6        |
| 11NG0145  | 0.4      | 0.1      | 56      | 0.17       | 0.038      | 12       | 29       | 0.82      | 286      | 0.092      | 2       | 2.67       | 0.01      | 0.13      | 0.049   | 0.03     | 5        | 0.1      | 0.0249    | 6        |
| 11NG0144  | 0.3      | 0.049    | 33      | 0.08       | 0.037      | 13       | 27       | 0.3       | 155      | 0.021      | 0.49    | 1.76       | 0.008     | 0.1       | 0.049   | 0.02     | 2.3      | 0.049    | 0.0249    | 4        |
| 11NG0143  | 0.5      | 0.2      | 58      | 0.14       | 0.045      | 11       | 34       | 0.45      | 231      | 0.034      | 2       | 1.97       | 0.009     | 0.09      | 0.1     | 0.04     | 2.5      | 0.1      | 0.0249    | 6        |
| 11NG0142  | 0.3      | 0.049    | 39      | 0.1        | 0.027      | 13       | 23       | 0.66      | 224      | 0.062      | 2       | 2.31       | 0.008     | 0.16      | 0.049   | 0.02     | 3.3      | 0.2      | 0.0249    | 5        |
| 11NG0140  | 0.2      | 0.049    | 40      | 0.14       | 0.043      | 13       | 22       | 0.88      | 212      | 0.11       | 0.49    | 2.02       | 0.009     | 0.32      | 0.049   | 0.02     | 3.6      | 0.2      | 0.0249    | 5        |
| 11NG0139  | 0.4      | 0.1      | 50      | 0.2        | 0.026      | 16       | 30       | 0.63      | 249      | 0.07       | 0.49    | 2.07       | 0.014     | 0.11      | 0.049   | 0.03     | 4.2      | 0.049    | 0.0249    | 5        |
| 11NG0138  | 0.6      | 0.2      | 66      | 0.1        | 0.044      | 11       | 36       | 0.48      | 162      | 0.058      | 1       | 2.35       | 0.01      | 0.08      | 0.1     | 0.03     | 2.8      | 0.049    | 0.0249    | 6        |
| 11NG0137  | 0.4      | 0.2      | 56      | 0.31       | 0.091      | 19       | 30       | 0.54      | 730      | 0.044      | 3       | 1.73       | 0.01      | 0.24      | 0.1     | 0.02     | 7.1      | 0.2      | 0.0249    | 4        |
| 11NG0136  | 0.3      | 0.1      | 91      | 0.37       | 0.104      | 13       | 79       | 1.04      | 407      | 0.121      | 0.49    | 2.34       | 0.016     | 0.12      | 0.1     | 0.03     | 5.2      | 0.1      | 0.0249    | 7        |
| 11NG0135  | 0.049    | 0.049    | 95      | 0.73       | 0.176      | 5        | 19       | 1.54      | 575      | 0.227      | 0.49    | 2.63       | 0.017     | 0.87      | 0.1     | 0.02     | 4        | 0.4      | 0.0249    | 7        |
| 11NG0134  | 0.2      | 0.049    | 82      | 0.37       | 0.08       | 8        | 29       | 1.42      | 579      | 0.233      | 0.49    | 2.76       | 0.009     | 0.49      | 0.1     | 0.02     | 3.6      | 0.3      | 0.0249    | 8        |
| 11NG0133  | 0.2      | 0.1      | 48      | 0.39       | 0.055      | 17       | 27       | 0.61      | 676      | 0.086      | 1       | 1.81       | 0.014     | 0.14      | 0.049   | 0.03     | 4.3      | 0.1      | 0.0249    | 6        |
| 11NG0132  | 0.3      | 0.1      | 50      | 0.34       | 0.07       | 12       | 23       | 0.71      | 450      | 0.135      | 1       | 1.89       | 0.012     | 0.21      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 6        |
| 11NG0131  | 0.3      | 0.049    | 57      | 0.42       | 0.108      | 10       | 35       | 1.03      | 312      | 0.134      | 2       | 2.45       | 0.015     | 0.47      | 0.2     | 0.0049   | 3.4      | 0.2      | 0.0249    | 7        |
| 11NG0130  | 0.2      | 0.049    | 64      | 0.45       | 0.079      | 11       | 34       | 1.08      | 341      | 0.17       | 0.49    | 2.21       | 0.011     | 0.37      | 0.1     | 0.02     | 3.6      | 0.3      | 0.0249    | 8        |
| 11NG0129  | 0.2      | 0.1      | 53      | 0.31       | 0.065      | 12       | 24       | 0.71      | 251      | 0.138      | 1       | 1.89       | 0.011     | 0.19      | 0.1     | 0.01     | 3.5      | 0.2      | 0.0249    | 7        |
| 11NG0128  | 0.4      | 0.1      | 52      | 0.2        | 0.024      | 18       | 31       | 0.53      | 263      | 0.077      | 0.49    | 1.67       | 0.011     | 0.08      | 0.049   | 0.03     | 4.2      | 0.049    | 0.0249    | 5        |
| 11NG0127  | 0.3      | 0.1      | 68      | 0.3        | 0.047      | 15       | 28       | 0.78      | 608      | 0.143      | 2       | 1.92       | 0.009     | 0.39      | 0.1     | 0.02     | 6.8      | 0.2      | 0.0249    | 7        |
| 11NG0126  | 0.2      | 0.1      | 55      | 0.26       | 0.035      | 16       | 27       | 0.69      | 599      | 0.132      | 0.49    | 1.67       | 0.01      | 0.42      | 0.1     | 0.0049   | 6.4      | 0.2      | 0.0249    | 6        |
| 11NG0125  | 0.3      | 0.2      | 59      | 0.3        | 0.036      | 19       | 38       | 0.71      | 564      | 0.078      | 1       | 1.75       | 0.011     | 0.14      | 0.049   | 0.01     | 4.8      | 0.1      | 0.0249    | 5        |
| 11NG0124  | 0.3      | 0.049    | 48      | 0.24       | 0.03       | 14       | 24       | 0.59      | 409      | 0.086      | 0.49    | 1.51       | 0.007     | 0.17      | 0.049   | 0.01     | 4.3      | 0.1      | 0.0249    | 5        |
| 11NG0123  | 0.1      | 0.049    | 95      | 0.25       | 0.051      | 5        | 58       | 1.31      | 272      | 0.178      | 0.49    | 2.3        | 0.012     | 0.39      | 0.049   | 0.0049   | 3.5      | 0.2      | 0.0249    | 7        |
| 11NG0122  | 0.3      | 0.1      | 66      | 0.17       | 0.036      | 15       | 36       | 0.76      | 375      | 0.099      | 3       | 1.88       | 0.008     | 0.19      | 0.1     | 0.02     | 4.6      | 0.1      | 0.0249    | 7        |
| 11NG0120  | 0.4      | 0.2      | 62      | 0.09       | 0.046      | 13       | 36       | 0.73      | 137      | 0.079      | 1       | 2.07       | 0.007     | 0.12      | 0.1     | 0.03     | 3.7      | 0.1      | 0.0249    | 7        |
| 11NG0119  | 0.3      | 0.1      | 87      | 0.82       | 0.268      | 45       | 207      | 2.15      | 974      | 0.195      | 1       | 2.48       | 0.014     | 0.11      | 0.049   | 0.02     | 9.3      | 0.2      | 0.0249    | 8        |
| 11NG0118  | 0.3      | 0.1      | 79      | 0.23       | 0.06       | 14       | 33       | 1.72      | 294      | 0.161      | 1       | 2.46       | 0.008     | 0.38      | 0.1     | 0.01     | 11.3     | 0.2      | 0.0249    | 9        |
| 11NG0117  | 0.3      | 0.2      | 82      | 0.27       | 0.062      | 11       | 35       | 0.84      | 250      | 0.103      | 2       | 1.77       | 0.008     | 0.09      | 0.1     | 0.02     | 5.2      | 0.049    | 0.0249    | 8        |
| 11NG0116  | 0.3      | 0.2      | 75      | 0.27       | 0.044      | 10       | 39       | 0.86      | 227      | 0.132      | 1       | 2.05       | 0.011     | 0.13      | 0.2     | 0.03     | 4.1      | 0.1      | 0.0249    | 6        |
| 11NG0115  | 0.1      | 0.1      | 129     | 0.69       | 0.173      | 15       | 24       | 2.49      | 417      | 0.218      | 0.49    | 3.08       | 0.013     | 0.79      | 0.1     | 0.0049   | 14.7     | 0.3      | 0.0249    | 11       |
| 11NG0114  | 0.2      | 0.1      | 92      | 0.56       | 0.118      | 15       | 25       | 1.9       | 346      | 0.183      | 1       | 2.59       | 0.013     | 0.44      | 0.1     | 0.02     | 11.2     | 0.2      | 0.0249    | 10       |
| 11NG0113  | 0.3      | 0.049    | 62      | 0.31       | 0.065      | 11       | 24       | 1         | 231      | 0.131      | 1       | 1.83       | 0.014     | 0.17      | 0.1     | 0.01     | 5.1      | 0.049    | 0.0249    | 7        |
| 11NG0112  | 0.3      | 0.049    | 70      | 0.15       | 0.071      | 7        | 29       | 1.42      | 162      | 0.149      | 0.49    | 2.06       | 0.014     | 0.3       | 0.1     | 0.0049   | 4.2      | 0.049    | 0.0249    | 8        |
| 11NG0111  | 0.4      | 0.049    | 56      | 0.13       | 0.031      | 12       | 32       | 0.74      | 203      | 0.098      | 2       | 2.08       | 0.013     | 0.14      | 0.1     | 0.02     | 4.4      | 0.1      | 0.0249    | 5        |
| 11NG0110  | 0.3      | 0.1      | 51      | 0.18       | 0.044      | 10       | 26       | 0.53      | 294      | 0.058      | 1       | 1.7        | 0.012     | 0.12      | 0.1     | 0.0049   | 2.6      | 0.049    | 0.0249    | 5        |
| 11NG0109  | 0.5      | 0.2      | 60      | 0.17       | 0.042      | 14       | 32       | 0.46      | 285      | 0.062      | 0.49    | 2.08       | 0.013     | 0.07      | 0.1     | 0.01     | 4.2      | 0.049    | 0.0249    | 5        |
| 11NG0108  | 0.3      | 0.049    | 111     | 1.04       | 0.442      | 67       | 259      | 2.02      | 1467     | 0.175      | 2       | 2.56       | 0.015     | 0.14      | 0.049   | 0.01     | 11       | 0.2      | 0.0249    | 8        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0107  | 0.4      | 0.1      | 60      | 0.14       | 0.046      | 9        | 39       | 0.57      | 235      | 0.069      | 1       | 2.38       | 0.014     | 0.07      | 0.1     | 0.02     | 3.3      | 0.049    | 0.0249    | 5        |
| 11NG0106  | 0.3      | 0.1      | 65      | 0.23       | 0.067      | 19       | 79       | 1.07      | 432      | 0.105      | 2       | 2.19       | 0.012     | 0.15      | 0.049   | 0.0049   | 4.6      | 0.1      | 0.0249    | 6        |
| 11NG0105  | 0.2      | 0.1      | 79      | 0.13       | 0.035      | 9        | 50       | 1.2       | 253      | 0.131      | 0.49    | 2.44       | 0.011     | 0.38      | 0.049   | 0.0049   | 6.6      | 0.4      | 0.0249    | 7        |
| 11NG0104  | 0.5      | 0.1      | 94      | 0.29       | 0.054      | 6        | 77       | 1.06      | 286      | 0.126      | 1       | 2.42       | 0.023     | 0.14      | 0.049   | 0.0049   | 3.6      | 0.049    | 0.0249    | 7        |
| 11NG0103  | 0.3      | 0.049    | 83      | 0.31       | 0.038      | 7        | 70       | 1.11      | 292      | 0.144      | 0.49    | 2.24       | 0.02      | 0.21      | 0.049   | 0.0049   | 3.4      | 0.1      | 0.0249    | 6        |
| 11NG0102  | 0.3      | 0.049    | 58      | 0.3        | 0.041      | 12       | 28       | 0.83      | 239      | 0.139      | 0.49    | 2.18       | 0.011     | 0.4       | 0.049   | 0.0049   | 4.3      | 0.2      | 0.0249    | 7        |
| 11NG0100  | 0.4      | 0.1      | 72      | 0.33       | 0.042      | 7        | 30       | 0.74      | 255      | 0.114      | 2       | 1.98       | 0.014     | 0.25      | 0.1     | 0.0049   | 3.3      | 0.049    | 0.0249    | 7        |
| 11NG0098  | 0.3      | 0.1      | 61      | 0.47       | 0.05       | 7        | 21       | 0.54      | 220      | 0.104      | 1       | 1.39       | 0.013     | 0.18      | 0.1     | 0.02     | 2.5      | 0.049    | 0.0249    | 7        |
| 11NG0097  | 0.2      | 0.1      | 73      | 0.24       | 0.04       | 11       | 25       | 0.88      | 265      | 0.153      | 0.49    | 2.03       | 0.014     | 0.33      | 0.1     | 0.0049   | 4.2      | 0.2      | 0.0249    | 8        |
| 11NG0096  | 0.3      | 0.2      | 64      | 0.1        | 0.039      | 8        | 20       | 0.45      | 80       | 0.095      | 0.49    | 1.2        | 0.009     | 0.08      | 0.1     | 0.01     | 2.5      | 0.049    | 0.0249    | 8        |
| 11NG0095  | 0.3      | 0.049    | 58      | 0.3        | 0.068      | 15       | 32       | 1.05      | 235      | 0.13       | 2       | 1.87       | 0.014     | 0.3       | 0.1     | 0.02     | 4.9      | 0.049    | 0.0249    | 7        |
| 11NG0094  | 0.4      | 0.1      | 89      | 0.11       | 0.064      | 8        | 26       | 0.56      | 76       | 0.113      | 2       | 1.49       | 0.01      | 0.06      | 0.2     | 0.02     | 2.6      | 0.049    | 0.0249    | 9        |
| 11NG0093  | 0.3      | 0.1      | 61      | 0.29       | 0.055      | 14       | 31       | 1.21      | 253      | 0.136      | 2       | 2.06       | 0.014     | 0.24      | 0.1     | 0.0049   | 4.9      | 0.1      | 0.0249    | 7        |
| 11NG0092  | 0.2      | 0.049    | 69      | 0.32       | 0.072      | 13       | 24       | 1.13      | 320      | 0.158      | 0.49    | 1.99       | 0.018     | 0.35      | 0.1     | 0.0049   | 4.9      | 0.1      | 0.0249    | 7        |
| 11NG0091  | 0.1      | 0.049    | 65      | 0.5        | 0.193      | 23       | 106      | 2.12      | 562      | 0.222      | 0.49    | 2.41       | 0.014     | 0.32      | 0.049   | 0.0049   | 4.6      | 0.3      | 0.0249    | 8        |
| 11NG0090  | 0.5      | 0.2      | 53      | 0.2        | 0.046      | 13       | 28       | 0.47      | 344      | 0.064      | 1       | 1.71       | 0.009     | 0.11      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |
| 11NG0089  | 0.4      | 0.1      | 53      | 0.12       | 0.022      | 10       | 27       | 0.59      | 186      | 0.083      | 0.49    | 1.8        | 0.009     | 0.11      | 0.1     | 0.02     | 3.6      | 0.049    | 0.0249    | 6        |
| 11NG0088  | 0.3      | 0.1      | 59      | 0.19       | 0.06       | 9        | 19       | 0.56      | 132      | 0.108      | 0.49    | 1.37       | 0.008     | 0.16      | 0.1     | 0.0049   | 2.4      | 0.049    | 0.0249    | 7        |
| 11NG0087  | 0.2      | 0.049    | 35      | 0.11       | 0.041      | 9        | 12       | 0.62      | 99       | 0.102      | 0.49    | 1.03       | 0.008     | 0.18      | 0.049   | 0.01     | 2.7      | 0.049    | 0.0249    | 7        |
| 11NG0086  | 0.3      | 0.2      | 51      | 0.19       | 0.058      | 9        | 20       | 0.78      | 167      | 0.105      | 0.49    | 1.89       | 0.009     | 0.18      | 0.1     | 0.01     | 2.9      | 0.1      | 0.0249    | 7        |
| 11NG0085  | 0.3      | 0.049    | 55      | 0.37       | 0.052      | 8        | 16       | 0.5       | 151      | 0.104      | 0.49    | 1.18       | 0.009     | 0.12      | 0.1     | 0.0049   | 2.8      | 0.049    | 0.0249    | 7        |
| 11NG0084  | 0.3      | 0.1      | 54      | 0.23       | 0.035      | 11       | 26       | 0.74      | 228      | 0.099      | 0.49    | 1.88       | 0.01      | 0.13      | 0.1     | 0.02     | 4        | 0.1      | 0.0249    | 7        |
| 11NG0083  | 0.3      | 0.049    | 47      | 0.25       | 0.044      | 11       | 20       | 0.86      | 212      | 0.106      | 0.49    | 1.64       | 0.011     | 0.17      | 0.1     | 0.02     | 4.2      | 0.1      | 0.0249    | 6        |
| 11NG0082  | 0.3      | 0.049    | 59      | 0.24       | 0.058      | 10       | 26       | 0.9       | 209      | 0.157      | 0.49    | 1.83       | 0.011     | 0.36      | 0.2     | 0.02     | 4.9      | 0.2      | 0.0249    | 6        |
| 11NG0080  | 0.4      | 0.1      | 75      | 0.1        | 0.036      | 8        | 28       | 0.68      | 128      | 0.143      | 0.49    | 2.04       | 0.008     | 0.16      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 9        |
| 11NG0079  | 0.3      | 0.049    | 68      | 0.17       | 0.044      | 8        | 29       | 0.92      | 196      | 0.161      | 0.49    | 2.21       | 0.01      | 0.31      | 0.2     | 0.02     | 4.6      | 0.2      | 0.0249    | 7        |
| 11NG0078  | 0.2      | 0.049    | 65      | 0.17       | 0.046      | 8        | 27       | 0.9       | 207      | 0.141      | 0.49    | 1.86       | 0.009     | 0.3       | 0.1     | 0.02     | 4.5      | 0.1      | 0.0249    | 7        |
| 11NG0077  | 0.4      | 0.1      | 68      | 0.2        | 0.034      | 11       | 32       | 0.89      | 265      | 0.147      | 0.49    | 2.35       | 0.01      | 0.24      | 0.1     | 0.02     | 5.2      | 0.1      | 0.0249    | 8        |
| 11NG0076  | 0.4      | 0.049    | 65      | 0.19       | 0.04       | 10       | 31       | 0.89      | 246      | 0.133      | 0.49    | 2.25       | 0.01      | 0.22      | 0.2     | 0.01     | 4.8      | 0.1      | 0.0249    | 7        |
| 11NG0075  | 0.3      | 0.1      | 74      | 0.2        | 0.031      | 11       | 30       | 0.99      | 278      | 0.156      | 1       | 2.16       | 0.01      | 0.26      | 0.1     | 0.0049   | 5.4      | 0.2      | 0.0249    | 8        |
| 11NG0074  | 0.4      | 0.1      | 71      | 0.19       | 0.029      | 10       | 31       | 0.8       | 242      | 0.117      | 0.49    | 2.2        | 0.01      | 0.14      | 0.2     | 0.02     | 4.9      | 0.1      | 0.0249    | 7        |
| 11NG0073  | 0.4      | 0.2      | 58      | 0.16       | 0.026      | 12       | 34       | 0.59      | 237      | 0.082      | 2       | 2.08       | 0.011     | 0.07      | 0.2     | 0.03     | 4.5      | 0.049    | 0.0249    | 6        |
| 11NG0072  | 0.3      | 0.2      | 66      | 0.16       | 0.05       | 9        | 24       | 0.51      | 242      | 0.106      | 1       | 1.57       | 0.008     | 0.12      | 0.049   | 0.01     | 3        | 0.1      | 0.0249    | 8        |
| 11NG0071  | 0.2      | 0.2      | 69      | 0.17       | 0.048      | 9        | 21       | 0.82      | 153      | 0.149      | 0.49    | 1.7        | 0.009     | 0.32      | 0.049   | 0.01     | 3.8      | 0.2      | 0.0249    | 9        |
| 11NG0070  | 0.3      | 0.2      | 71      | 0.22       | 0.042      | 11       | 38       | 0.94      | 271      | 0.134      | 0.49    | 2.15       | 0.01      | 0.21      | 0.049   | 0.02     | 4.9      | 0.2      | 0.0249    | 8        |
| 11NG0069  | 0.3      | 0.1      | 82      | 0.26       | 0.046      | 12       | 43       | 1.04      | 234      | 0.149      | 1       | 2.51       | 0.011     | 0.21      | 0.1     | 0.01     | 4.8      | 0.2      | 0.0249    | 8        |
| 11NG0068  | 0.2      | 0.1      | 70      | 0.25       | 0.048      | 11       | 31       | 0.96      | 228      | 0.136      | 0.49    | 2.1        | 0.01      | 0.23      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 7        |
| 11NG0067  | 0.3      | 0.1      | 69      | 0.24       | 0.044      | 10       | 29       | 0.99      | 201      | 0.141      | 0.49    | 2.41       | 0.01      | 0.24      | 0.1     | 0.0049   | 5.1      | 0.2      | 0.0249    | 8        |
| 11NG0066  | 0.3      | 0.1      | 67      | 0.23       | 0.043      | 13       | 33       | 0.83      | 226      | 0.131      | 2       | 2.17       | 0.009     | 0.2       | 0.1     | 0.02     | 4.8      | 0.2      | 0.0249    | 7        |
| 11NG0065  | 0.3      | 0.1      | 67      | 0.23       | 0.045      | 13       | 30       | 0.95      | 229      | 0.139      | 1       | 2.38       | 0.01      | 0.22      | 0.1     | 0.0049   | 5.4      | 0.2      | 0.0249    | 7        |
| 11NG0064  | 0.3      | 0.1      | 76      | 0.37       | 0.076      | 17       | 31       | 1.24      | 329      | 0.154      | 0.49    | 2.45       | 0.011     | 0.4       | 0.1     | 0.01     | 8        | 0.3      | 0.0249    | 8        |
| 11NG0063  | 0.3      | 0.1      | 69      | 0.47       | 0.078      | 11       | 29       | 0.83      | 261      | 0.144      | 1       | 2.18       | 0.012     | 0.29      | 0.1     | 0.0049   | 4.6      | 0.2      | 0.0249    | 7        |
| 11NG0062  | 0.4      | 0.2      | 57      | 0.26       | 0.033      | 18       | 40       | 0.71      | 441      | 0.103      | 3       | 2          | 0.01      | 0.2       | 0.2     | 0.01     | 5.4      | 0.2      | 0.0249    | 6        |
| 11NG0060  | 0.2      | 0.3      | 72      | 0.26       | 0.033      | 24       | 32       | 1.11      | 377      | 0.205      | 1       | 2.32       | 0.011     | 0.49      | 0.1     | 0.0049   | 5.8      | 0.3      | 0.0249    | 8        |
| 11NG0059  | 0.2      | 0.2      | 72      | 0.28       | 0.077      | 16       | 27       | 1.07      | 323      | 0.196      | 2       | 2.42       | 0.011     | 0.76      | 0.1     | 0.02     | 4.7      | 0.3      | 0.0249    | 10       |
| 11NG0058  | 0.3      | 0.1      | 113     | 0.49       | 0.051      | 6        | 143      | 2.31      | 388      | 0.212      | 2       | 2.88       | 0.021     | 0.24      | 0.049   | 0.0049   | 6.3      | 0.049    | 0.0249    | 11       |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0057  | 0.2      | 0.1      | 113     | 0.37       | 0.039      | 9        | 92       | 1.99      | 380      | 0.151      | 2       | 2.63       | 0.013     | 0.3       | 0.2     | 0.01     | 8.1      | 0.2      | 0.0249    | 9        |
| 11NG0056  | 0.2      | 0.049    | 68      | 0.7        | 0.046      | 7        | 214      | 1.85      | 486      | 0.182      | 2       | 2.31       | 0.019     | 0.15      | 0.049   | 0.01     | 4.5      | 0.049    | 0.0249    | 6        |
| 11NG0055  | 0.2      | 0.1      | 70      | 0.52       | 0.072      | 9        | 31       | 1.05      | 278      | 0.113      | 2       | 1.47       | 0.011     | 0.11      | 0.049   | 0.01     | 4.1      | 0.049    | 0.0249    | 6        |
| 11NG0054  | 0.3      | 0.049    | 87      | 0.53       | 0.047      | 11       | 31       | 1.15      | 429      | 0.15       | 1       | 2.08       | 0.012     | 0.19      | 0.1     | 0.01     | 5.3      | 0.049    | 0.0249    | 7        |
| 11NG0053  | 0.4      | 0.1      | 70      | 1.05       | 0.06       | 19       | 38       | 0.88      | 674      | 0.081      | 3       | 1.99       | 0.015     | 0.15      | 0.049   | 0.06     | 6.5      | 0.049    | 0.0249    | 6        |
| 11NG0052  | 0.6      | 0.1      | 62      | 0.29       | 0.023      | 8        | 33       | 0.54      | 324      | 0.07       | 2       | 1.9        | 0.009     | 0.19      | 0.2     | 0.0049   | 3.2      | 0.049    | 0.0249    | 6        |
| 11NG0051  | 0.4      | 0.2      | 72      | 0.52       | 0.075      | 13       | 31       | 0.65      | 361      | 0.086      | 1       | 1.85       | 0.017     | 0.06      | 0.2     | 0.03     | 4.9      | 0.049    | 0.0249    | 6        |
| 11NG0050  | 0.3      | 0.1      | 115     | 0.18       | 0.045      | 9        | 36       | 1.82      | 292      | 0.254      | 2       | 3.67       | 0.013     | 0.8       | 0.2     | 0.0049   | 8        | 0.3      | 0.0249    | 11       |
| 11NG0049  | 0.4      | 0.2      | 77      | 0.3        | 0.059      | 11       | 30       | 0.78      | 242      | 0.136      | 4       | 2          | 0.01      | 0.22      | 0.2     | 0.02     | 3.6      | 0.2      | 0.0249    | 8        |
| 11NG0048  | 0.5      | 0.2      | 78      | 0.25       | 0.034      | 11       | 38       | 0.89      | 238      | 0.146      | 3       | 2.36       | 0.012     | 0.18      | 0.2     | 0.0049   | 4.5      | 0.2      | 0.0249    | 8        |
| 11NG0047  | 0.4      | 0.2      | 73      | 0.22       | 0.041      | 12       | 35       | 0.86      | 293      | 0.108      | 4       | 2.37       | 0.011     | 0.16      | 0.2     | 0.02     | 4.3      | 0.2      | 0.0249    | 7        |
| 11NG0046  | 0.5      | 0.1      | 72      | 0.27       | 0.029      | 13       | 38       | 0.9       | 290      | 0.125      | 3       | 2.29       | 0.022     | 0.13      | 0.1     | 0.02     | 4.9      | 0.1      | 0.0249    | 7        |
| 11NG0045  | 0.4      | 0.049    | 50      | 0.59       | 0.108      | 14       | 19       | 1.12      | 322      | 0.177      | 2       | 2.08       | 0.01      | 0.54      | 0.1     | 0.01     | 4.2      | 0.3      | 0.0249    | 6        |
| 11NG0044  | 0.3      | 0.1      | 146     | 0.94       | 0.241      | 20       | 113      | 3.32      | 1008     | 0.195      | 3       | 3.27       | 0.022     | 0.56      | 0.049   | 0.0049   | 12.2     | 0.2      | 0.0249    | 11       |
| 11NG0043  | 0.5      | 0.4      | 90      | 0.26       | 0.085      | 21       | 116      | 1.41      | 326      | 0.064      | 2       | 2.76       | 0.011     | 0.06      | 0.1     | 0.02     | 8.2      | 0.049    | 0.0249    | 9        |
| 11NG0042  | 0.4      | 0.1      | 113     | 0.28       | 0.054      | 6        | 40       | 1.7       | 263      | 0.168      | 0.49    | 2.77       | 0.012     | 0.5       | 0.1     | 0.01     | 7.4      | 0.3      | 0.0249    | 10       |
| 11NG0040  | 0.4      | 0.2      | 78      | 0.51       | 0.108      | 27       | 83       | 1.31      | 601      | 0.149      | 2       | 2.05       | 0.022     | 0.08      | 0.2     | 0.04     | 7        | 0.1      | 0.0249    | 7        |
| 11NG0039  | 0.4      | 0.3      | 87      | 0.25       | 0.032      | 13       | 35       | 1         | 298      | 0.168      | 2       | 2.8        | 0.012     | 0.23      | 0.2     | 0.0049   | 4.5      | 0.3      | 0.0249    | 9        |
| 11NG0038  | 1        | 0.1      | 46      | 0.1        | 0.049      | 11       | 10       | 0.56      | 396      | 0.215      | 1       | 1.86       | 0.009     | 0.66      | 0.1     | 0.0049   | 6.5      | 0.5      | 0.0249    | 8        |
| 11NG0037  | 0.7      | 0.2      | 63      | 0.59       | 0.095      | 8        | 21       | 0.78      | 407      | 0.148      | 4       | 1.81       | 0.009     | 0.53      | 0.2     | 0.0049   | 4.3      | 0.3      | 0.0249    | 7        |
| 11NG0036  | 0.4      | 0.2      | 65      | 0.23       | 0.039      | 8        | 27       | 0.72      | 272      | 0.138      | 2       | 1.98       | 0.008     | 0.28      | 0.2     | 0.03     | 4        | 0.2      | 0.0249    | 7        |
| 11NG0035  | 0.7      | 0.2      | 67      | 0.15       | 0.015      | 9        | 39       | 0.67      | 190      | 0.099      | 0.49    | 2.21       | 0.015     | 0.09      | 0.2     | 0.01     | 4.1      | 0.049    | 0.0249    | 6        |
| 11NG0034  | 0.4      | 0.1      | 50      | 0.16       | 0.024      | 15       | 26       | 0.49      | 550      | 0.062      | 2       | 1.67       | 0.009     | 0.12      | 0.1     | 0.02     | 3.4      | 0.049    | 0.0249    | 5        |
| 11NG0033  | 0.3      | 0.1      | 52      | 0.19       | 0.055      | 14       | 16       | 1.06      | 705      | 0.026      | 3       | 2.09       | 0.009     | 0.18      | 0.049   | 0.0049   | 3.8      | 0.049    | 0.0249    | 7        |
| 11NG0032  | 0.2      | 0.049    | 37      | 0.25       | 0.048      | 8        | 18       | 0.88      | 375      | 0.022      | 2       | 1.7        | 0.008     | 0.14      | 0.049   | 0.0049   | 2.6      | 0.049    | 0.0249    | 6        |
| 11NG0031  | 0.3      | 0.1      | 74      | 0.46       | 0.045      | 6        | 33       | 1.57      | 238      | 0.124      | 2       | 2.19       | 0.012     | 0.5       | 0.1     | 0.0049   | 4.1      | 0.1      | 0.0249    | 6        |
| 11NG0030  | 0.3      | 0.2      | 29      | 0.48       | 0.044      | 9        | 15       | 0.68      | 245      | 0.026      | 2       | 1.51       | 0.009     | 0.15      | 0.049   | 0.02     | 1.4      | 0.049    | 0.0249    | 4        |
| 11NG0029  | 0.2      | 0.049    | 90      | 0.29       | 0.077      | 16       | 16       | 1.26      | 513      | 0.025      | 0.49    | 2.29       | 0.01      | 0.13      | 0.049   | 0.0049   | 8.1      | 0.049    | 0.0249    | 10       |
| 11NG0028  | 0.049    | 0.049    | 47      | 0.49       | 0.118      | 2        | 4        | 0.97      | 268      | 0.237      | 0.49    | 2.3        | 0.008     | 0.24      | 0.049   | 0.0049   | 1.3      | 0.1      | 0.0249    | 7        |
| 11NG0027  | 0.3      | 0.049    | 98      | 0.19       | 0.046      | 7        | 18       | 1.54      | 171      | 0.164      | 0.49    | 2.7        | 0.016     | 0.29      | 0.049   | 0.01     | 8.1      | 0.2      | 0.0249    | 10       |
| 11NG0026  | 0.3      | 0.049    | 104     | 0.31       | 0.05       | 9        | 25       | 1.79      | 460      | 0.163      | 0.49    | 2.99       | 0.011     | 0.43      | 0.049   | 0.02     | 10.3     | 0.2      | 0.0249    | 11       |
| 11NG0025  | 0.3      | 0.1      | 71      | 0.25       | 0.038      | 15       | 26       | 1         | 230      | 0.172      | 0.49    | 2.24       | 0.011     | 0.2       | 0.1     | 0.0049   | 5.4      | 0.2      | 0.0249    | 8        |
| 11NG0024  | 0.3      | 0.1      | 75      | 0.2        | 0.035      | 15       | 27       | 0.89      | 203      | 0.175      | 0.49    | 2.28       | 0.01      | 0.19      | 0.2     | 0.01     | 4.7      | 0.2      | 0.0249    | 8        |
| 11NG0023  | 0.4      | 0.2      | 71      | 0.23       | 0.021      | 14       | 34       | 0.79      | 266      | 0.139      | 0.49    | 2.39       | 0.013     | 0.08      | 0.1     | 0.02     | 4.7      | 0.1      | 0.0249    | 7        |
| 11NG0022  | 0.4      | 0.2      | 76      | 0.31       | 0.041      | 21       | 41       | 0.84      | 361      | 0.123      | 0.49    | 2.41       | 0.01      | 0.11      | 0.1     | 0.02     | 5.6      | 0.1      | 0.0249    | 8        |
| 11NG0020  | 0.3      | 0.1      | 72      | 0.2        | 0.043      | 8        | 28       | 0.8       | 150      | 0.137      | 0.49    | 1.87       | 0.014     | 0.17      | 0.049   | 0.0049   | 3.4      | 0.1      | 0.05      | 8        |
| 11NG0019  | 0.5      | 0.2      | 61      | 0.34       | 0.072      | 15       | 33       | 0.73      | 296      | 0.085      | 1       | 1.99       | 0.015     | 0.06      | 0.1     | 0.03     | 4.5      | 0.049    | 0.05      | 6        |
| 11NG0018  | 0.4      | 0.2      | 84      | 0.3        | 0.086      | 11       | 53       | 1.21      | 275      | 0.109      | 0.49    | 2.51       | 0.01      | 0.15      | 0.1     | 0.01     | 6.3      | 0.049    | 0.0249    | 9        |
| 11NG0017  | 0.5      | 0.2      | 77      | 0.19       | 0.054      | 10       | 43       | 0.79      | 251      | 0.097      | 1       | 2.3        | 0.009     | 0.15      | 0.2     | 0.02     | 4.8      | 0.1      | 0.0249    | 8        |
| 11NG0016  | 0.5      | 0.1      | 65      | 0.21       | 0.031      | 12       | 33       | 0.73      | 343      | 0.114      | 1       | 2.19       | 0.013     | 0.11      | 0.1     | 0.0049   | 4        | 0.049    | 0.0249    | 6        |
| 11NG0015  | 0.5      | 0.2      | 79      | 0.17       | 0.043      | 12       | 37       | 0.67      | 268      | 0.111      | 0.49    | 2.22       | 0.008     | 0.13      | 0.1     | 0.02     | 3.9      | 0.049    | 0.06      | 8        |
| 11NG0014  | 0.5      | 0.2      | 70      | 0.18       | 0.081      | 11       | 42       | 0.64      | 308      | 0.077      | 0.49    | 2.17       | 0.009     | 0.08      | 0.1     | 0.02     | 3.2      | 0.1      | 0.0249    | 7        |
| 11NG0013  | 0.6      | 0.2      | 69      | 0.15       | 0.03       | 13       | 38       | 0.6       | 264      | 0.095      | 0.49    | 2.18       | 0.009     | 0.09      | 0.1     | 0.03     | 4.2      | 0.1      | 0.0249    | 7        |
| 11NG0012  | 0.2      | 0.049    | 98      | 0.16       | 0.041      | 18       | 17       | 1.5       | 250      | 0.257      | 0.49    | 2.38       | 0.009     | 0.96      | 0.1     | 0.0049   | 10.8     | 0.3      | 0.0249    | 10       |
| 11NG0011  | 0.4      | 0.049    | 81      | 0.16       | 0.032      | 7        | 26       | 1.01      | 313      | 0.206      | 0.49    | 2.4        | 0.009     | 0.49      | 0.2     | 0.01     | 7.1      | 0.2      | 0.0249    | 8        |
| 11NG0010  | 0.3      | 0.1      | 57      | 0.14       | 0.038      | 12       | 19       | 0.6       | 210      | 0.051      | 0.49    | 1.91       | 0.007     | 0.15      | 0.049   | 0.01     | 4.6      | 0.049    | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11NG0009  | 0.2      | 0.049    | 90      | 0.18       | 0.05       | 7        | 19       | 1.89      | 233      | 0.139      | 0.49    | 2.56       | 0.008     | 0.41      | 0.049   | 0.01     | 13.1     | 0.2      | 0.0249    | 11       |
| 11NG0008  | 0.2      | 0.1      | 80      | 0.19       | 0.055      | 11       | 26       | 1.77      | 242      | 0.118      | 0.49    | 2.63       | 0.01      | 0.49      | 0.049   | 0.0049   | 8.5      | 0.2      | 0.0249    | 11       |
| 11NG0007  | 0.4      | 0.049    | 91      | 0.24       | 0.046      | 9        | 27       | 1.81      | 267      | 0.177      | 0.49    | 3          | 0.012     | 0.21      | 0.1     | 0.0049   | 6.6      | 0.049    | 0.0249    | 11       |
| 11NG0006  | 0.2      | 0.049    | 124     | 0.39       | 0.07       | 10       | 14       | 1.92      | 376      | 0.137      | 0.49    | 2.93       | 0.015     | 0.38      | 0.049   | 0.0049   | 12.8     | 0.1      | 0.0249    | 11       |
| 11NG0005  | 0.2      | 0.049    | 33      | 0.2        | 0.034      | 9        | 18       | 0.37      | 691      | 0.007      | 1       | 1.33       | 0.008     | 0.15      | 0.049   | 0.01     | 2.6      | 0.049    | 0.0249    | 4        |
| 11NG0004  | 0.2      | 0.049    | 50      | 0.44       | 0.091      | 19       | 26       | 1.57      | 566      | 0.007      | 0.49    | 2.52       | 0.008     | 0.1       | 0.049   | 0.0049   | 5.8      | 0.049    | 0.0249    | 10       |
| 11NG0003  | 0.5      | 0.1      | 56      | 0.3        | 0.023      | 10       | 32       | 0.71      | 438      | 0.05       | 0.49    | 1.75       | 0.014     | 0.15      | 0.049   | 0.01     | 4        | 0.049    | 0.0249    | 5        |
| 11NG0002  | 0.2      | 0.049    | 34      | 0.25       | 0.028      | 20       | 12       | 1.51      | 213      | 0.014      | 0.49    | 2.2        | 0.007     | 0.11      | 0.049   | 0.0049   | 2.1      | 0.049    | 0.0249    | 6        |
| 11NG0001  | 0.3      | 0.2      | 34      | 0.18       | 0.026      | 13       | 22       | 0.89      | 166      | 0.021      | 0.49    | 1.75       | 0.007     | 0.14      | 0.049   | 0.0049   | 2.4      | 0.049    | 0.0249    | 5        |
| 11MS0297  | 0.1      | 0.049    | 40      | 6.47       | 0.06       | 10       | 23       | 4.67      | 101      | 0.099      | 2       | 1.3        | 0.019     | 0.1       | 0.049   | 0.02     | 3.2      | 0.049    | 0.0249    | 4        |
| 11MS0296  | 0.4      | 0.049    | 68      | 2.27       | 0.085      | 20       | 30       | 2.04      | 336      | 0.079      | 3       | 1.67       | 0.02      | 0.13      | 0.2     | 0.05     | 7.3      | 0.049    | 0.06      | 6        |
| 11MS0295  | 0.4      | 0.1      | 69      | 1.42       | 0.076      | 39       | 27       | 1.46      | 317      | 0.073      | 3       | 1.82       | 0.017     | 0.1       | 0.1     | 0.05     | 9.8      | 0.049    | 0.0249    | 8        |
| 11MS0294  | 0.2      | 0.049    | 122     | 0.73       | 0.07       | 18       | 31       | 2.97      | 147      | 0.176      | 2       | 2.52       | 0.013     | 0.15      | 0.049   | 0.02     | 11.7     | 0.049    | 0.0249    | 11       |
| 11MS0293  | 0.3      | 0.1      | 105     | 0.66       | 0.092      | 19       | 54       | 2.37      | 302      | 0.14       | 1       | 2.53       | 0.018     | 0.14      | 0.1     | 0.03     | 9        | 0.049    | 0.0249    | 10       |
| 11MS0292  | 0.2      | 0.049    | 127     | 0.68       | 0.065      | 19       | 41       | 2.79      | 286      | 0.232      | 2       | 2.99       | 0.018     | 0.32      | 0.049   | 0.02     | 13.9     | 0.1      | 0.0249    | 13       |
| 11MS0291  | 0.1      | 0.1      | 157     | 0.62       | 0.179      | 29       | 147      | 4.87      | 341      | 0.272      | 2       | 3.85       | 0.012     | 0.42      | 0.049   | 0.01     | 15.6     | 0.049    | 0.0249    | 19       |
| 11MS0290  | 0.4      | 0.5      | 78      | 0.34       | 0.083      | 26       | 62       | 1.01      | 301      | 0.06       | 2       | 2.17       | 0.013     | 0.07      | 0.1     | 0.03     | 5.8      | 0.049    | 0.0249    | 7        |
| 11MS0289  | 0.3      | 0.1      | 51      | 0.61       | 0.066      | 9        | 21       | 0.62      | 274      | 0.036      | 1       | 1.73       | 0.015     | 0.11      | 0.049   | 0.02     | 3.3      | 0.049    | 0.0249    | 6        |
| 11MS0288  | 0.3      | 0.1      | 52      | 0.84       | 0.081      | 30       | 24       | 0.71      | 314      | 0.042      | 2       | 2.05       | 0.013     | 0.1       | 0.049   | 0.04     | 4        | 0.049    | 0.0249    | 8        |
| 11MS0287  | 0.5      | 0.1      | 72      | 0.8        | 0.113      | 19       | 30       | 1.09      | 262      | 0.119      | 3       | 2.24       | 0.023     | 0.08      | 0.2     | 0.04     | 5.6      | 0.049    | 0.0249    | 8        |
| 11MS0286  | 0.5      | 0.049    | 63      | 0.64       | 0.115      | 18       | 19       | 0.72      | 314      | 0.055      | 2       | 1.82       | 0.014     | 0.11      | 0.1     | 0.02     | 4.4      | 0.049    | 0.0249    | 8        |
| 11MS0285  | 0.8      | 0.1      | 61      | 0.6        | 0.125      | 29       | 17       | 0.54      | 377      | 0.042      | 2       | 1.69       | 0.014     | 0.1       | 0.2     | 0.03     | 4.8      | 0.049    | 0.0249    | 7        |
| 11MS0284  | 0.3      | 0.049    | 77      | 0.67       | 0.227      | 10       | 13       | 1.16      | 451      | 0.054      | 3       | 2.36       | 0.01      | 0.22      | 0.049   | 0.01     | 5.3      | 0.049    | 0.0249    | 9        |
| 11MS0283  | 0.4      | 0.1      | 114     | 0.7        | 0.193      | 10       | 53       | 1.87      | 330      | 0.051      | 2       | 3.33       | 0.015     | 0.05      | 0.049   | 0.02     | 9.3      | 0.049    | 0.0249    | 13       |
| 11MS0282  | 0.7      | 0.2      | 75      | 0.28       | 0.032      | 10       | 32       | 0.69      | 313      | 0.068      | 2       | 2.08       | 0.011     | 0.05      | 0.1     | 0.01     | 3.4      | 0.049    | 0.0249    | 8        |
| 11MS0280  | 0.4      | 0.1      | 68      | 0.53       | 0.05       | 24       | 29       | 0.7       | 399      | 0.066      | 2       | 1.86       | 0.023     | 0.07      | 0.1     | 0.03     | 5.4      | 0.049    | 0.0249    | 6        |
| 11MS0279  | 0.4      | 0.049    | 57      | 1.11       | 0.121      | 27       | 28       | 0.64      | 591      | 0.038      | 2       | 1.69       | 0.02      | 0.11      | 0.049   | 0.03     | 4.8      | 0.049    | 0.0249    | 6        |
| 11MS0278  | 0.4      | 0.1      | 73      | 0.58       | 0.066      | 20       | 35       | 0.87      | 365      | 0.079      | 2       | 1.98       | 0.027     | 0.08      | 0.1     | 0.03     | 5.7      | 0.049    | 0.0249    | 7        |
| 11MS0277  | 0.5      | 0.049    | 58      | 0.42       | 0.078      | 17       | 24       | 0.73      | 263      | 0.035      | 1       | 1.8        | 0.014     | 0.06      | 0.049   | 0.03     | 5.7      | 0.049    | 0.0249    | 8        |
| 11MS0276  | 0.3      | 0.049    | 74      | 0.62       | 0.065      | 16       | 34       | 0.84      | 378      | 0.056      | 1       | 2.16       | 0.018     | 0.13      | 0.049   | 0.02     | 5        | 0.049    | 0.0249    | 8        |
| 11MS0275  | 0.4      | 0.049    | 80      | 0.99       | 0.082      | 37       | 40       | 1.37      | 432      | 0.069      | 1       | 2.24       | 0.016     | 0.1       | 0.1     | 0.04     | 7        | 0.049    | 0.0249    | 9        |
| 11MS0274  | 0.2      | 0.049    | 66      | 1.81       | 0.117      | 13       | 38       | 3.63      | 230      | 0.127      | 2       | 2.48       | 0.026     | 0.17      | 0.049   | 0.02     | 4.8      | 0.1      | 0.0249    | 8        |
| 11MS0273  | 0.5      | 0.1      | 63      | 0.76       | 0.062      | 15       | 29       | 0.84      | 270      | 0.104      | 3       | 1.61       | 0.033     | 0.11      | 0.2     | 0.04     | 4.4      | 0.049    | 0.0249    | 5        |
| 11MS0272  | 0.5      | 0.1      | 58      | 1.31       | 0.059      | 14       | 30       | 1.24      | 294      | 0.078      | 2       | 1.66       | 0.026     | 0.07      | 0.1     | 0.04     | 3.8      | 0.049    | 0.0249    | 5        |
| 11MS0271  | 0.2      | 0.049    | 48      | 3.45       | 0.069      | 10       | 21       | 2.8       | 161      | 0.072      | 2       | 1.37       | 0.023     | 0.06      | 0.1     | 0.02     | 2.7      | 0.049    | 0.0249    | 4        |
| 11MS0270  | 0.1      | 0.049    | 53      | 2.18       | 0.109      | 11       | 21       | 3.96      | 230      | 0.109      | 2       | 1.97       | 0.017     | 0.14      | 0.049   | 0.02     | 2.8      | 0.049    | 0.0249    | 7        |
| 11MS0269  | 0.3      | 0.1      | 68      | 0.87       | 0.029      | 13       | 25       | 1.17      | 449      | 0.081      | 2       | 1.87       | 0.022     | 0.08      | 0.1     | 0.02     | 3.4      | 0.049    | 0.0249    | 6        |
| 11MS0268  | 0.049    | 0.049    | 157     | 1.03       | 0.11       | 11       | 671      | 7.08      | 463      | 0.153      | 0.49    | 4.92       | 0.006     | 0.4       | 0.049   | 0.0049   | 14.8     | 0.049    | 0.0249    | 16       |
| 11MS0267  | 0.4      | 0.1      | 61      | 0.81       | 0.046      | 16       | 50       | 0.96      | 326      | 0.08       | 1       | 1.61       | 0.024     | 0.07      | 0.1     | 0.06     | 4.4      | 0.049    | 0.0249    | 5        |
| 11MS0266  | 0.4      | 0.1      | 58      | 1.99       | 0.076      | 14       | 34       | 1.42      | 487      | 0.066      | 2       | 1.48       | 0.023     | 0.09      | 0.1     | 0.07     | 3.8      | 0.1      | 0.0249    | 5        |
| 11MS0265  | 0.3      | 0.1      | 58      | 1.33       | 0.052      | 15       | 32       | 1.36      | 479      | 0.064      | 2       | 1.86       | 0.019     | 0.05      | 0.1     | 0.05     | 3.8      | 0.1      | 0.0249    | 6        |
| 11MS0264  | 0.1      | 0.049    | 52      | 6.12       | 0.114      | 8        | 36       | 5.71      | 218      | 0.078      | 2       | 2.03       | 0.017     | 0.06      | 0.049   | 0.02     | 2.9      | 0.049    | 0.0249    | 6        |
| 11MS0263  | 0.3      | 0.049    | 35      | 8.74       | 0.064      | 8        | 33       | 6.01      | 125      | 0.029      | 1       | 1.4        | 0.015     | 0.07      | 0.049   | 0.03     | 2.9      | 0.049    | 0.0249    | 4        |
| 11MS0262  | 0.1      | 0.049    | 45      | 9.84       | 0.103      | 8        | 29       | 6.49      | 115      | 0.061      | 0.49    | 1.69       | 0.009     | 0.04      | 0.049   | 0.02     | 2.6      | 0.049    | 0.0249    | 6        |
| 11MS0260  | 1.6      | 0.049    | 71      | 2.62       | 0.053      | 21       | 33       | 3.28      | 238      | 0.037      | 1       | 2.71       | 0.012     | 0.11      | 0.1     | 0.02     | 7.8      | 0.2      | 0.0249    | 8        |
| 11MS0259  | 0.2      | 0.049    | 42      | 5.32       | 0.041      | 9        | 24       | 4.3       | 188      | 0.051      | 3       | 1.77       | 0.016     | 0.04      | 0.1     | 0.03     | 2.9      | 0.1      | 0.0249    | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11MS0258  | 0.3      | 0.049    | 57      | 3.7        | 0.065      | 10       | 20       | 2.63      | 174      | 0.063      | 3       | 1.97       | 0.025     | 0.09      | 0.1     | 0.03     | 3.2      | 0.049    | 0.0249    | 6        |
| 11MS0257  | 0.049    | 0.049    | 39      | 4.05       | 0.029      | 5        | 15       | 4.57      | 50       | 0.046      | 4       | 1.58       | 0.011     | 0.02      | 0.049   | 0.01     | 1.7      | 0.049    | 0.0249    | 6        |
| 11MS0256  | 0.3      | 0.049    | 71      | 0.85       | 0.181      | 13       | 16       | 0.8       | 547      | 0.042      | 1       | 1.74       | 0.014     | 0.11      | 0.2     | 0.03     | 4.9      | 0.049    | 0.0249    | 8        |
| 11MS0255  | 0.2      | 0.049    | 73      | 0.64       | 0.143      | 16       | 23       | 0.92      | 333      | 0.077      | 0.49    | 1.97       | 0.016     | 0.1       | 0.1     | 0.02     | 4.8      | 0.049    | 0.0249    | 8        |
| 11MS0254  | 0.3      | 0.1      | 93      | 0.31       | 0.088      | 11       | 23       | 0.81      | 167      | 0.08       | 0.49    | 2.21       | 0.013     | 0.09      | 0.1     | 0.02     | 4.5      | 0.049    | 0.0249    | 10       |
| 11MS0253  | 0.3      | 0.1      | 64      | 0.24       | 0.049      | 13       | 24       | 0.46      | 175      | 0.063      | 1       | 1.81       | 0.009     | 0.06      | 0.1     | 0.04     | 3.4      | 0.049    | 0.0249    | 7        |
| 11MS0252  | 0.6      | 0.049    | 91      | 0.44       | 0.138      | 10       | 31       | 1.01      | 179      | 0.054      | 0.49    | 2.65       | 0.016     | 0.09      | 0.049   | 0.01     | 5.5      | 0.049    | 0.0249    | 10       |
| 11MS0251  | 0.5      | 0.1      | 65      | 0.29       | 0.052      | 16       | 27       | 0.5       | 249      | 0.06       | 1       | 1.83       | 0.013     | 0.05      | 0.2     | 0.03     | 4.8      | 0.049    | 0.0249    | 7        |
| 11MS0250  | 0.7      | 0.049    | 84      | 0.3        | 0.083      | 14       | 20       | 0.47      | 171      | 0.026      | 0.49    | 1.86       | 0.008     | 0.04      | 0.2     | 0.02     | 6.2      | 0.049    | 0.0249    | 7        |
| 11MS0249  | 0.4      | 0.1      | 80      | 0.45       | 0.065      | 15       | 28       | 0.73      | 170      | 0.063      | 0.49    | 2.12       | 0.017     | 0.05      | 0.1     | 0.02     | 4.5      | 0.049    | 0.0249    | 8        |
| 11MS0248  | 0.4      | 0.049    | 58      | 2.07       | 0.092      | 11       | 26       | 2.45      | 182      | 0.062      | 2       | 2.12       | 0.021     | 0.06      | 0.1     | 0.04     | 4.3      | 0.049    | 0.0249    | 6        |
| 11MS0247  | 0.4      | 0.1      | 52      | 2.79       | 0.06       | 12       | 28       | 2.13      | 169      | 0.057      | 2       | 1.68       | 0.022     | 0.05      | 0.1     | 0.06     | 3.6      | 0.049    | 0.0249    | 5        |
| 11MS0246  | 0.1      | 0.049    | 25      | 12.46      | 0.03       | 4        | 58       | 8.56      | 64       | 0.03       | 0.49    | 0.84       | 0.01      | 0.02      | 0.049   | 0.01     | 1        | 0.049    | 0.0249    | 2        |
| 11MS0245  | 0.049    | 0.049    | 12      | 5.26       | 0.033      | 6        | 7        | 5.56      | 48       | 0.018      | 1       | 1.14       | 0.005     | 0.01      | 0.049   | 0.02     | 1.8      | 0.049    | 0.0249    | 5        |
| 11MS0244  | 0.1      | 0.049    | 27      | 10.11      | 0.05       | 9        | 26       | 7.84      | 77       | 0.019      | 2       | 1.09       | 0.007     | 0.02      | 0.049   | 0.04     | 1.8      | 0.049    | 0.0249    | 3        |
| 11MS0243  | 0.4      | 0.1      | 67      | 1.13       | 0.124      | 23       | 25       | 0.76      | 538      | 0.039      | 2       | 1.6        | 0.016     | 0.09      | 0.1     | 0.05     | 8.1      | 0.049    | 0.0249    | 6        |
| 11MS0242  | 0.4      | 0.049    | 66      | 1.13       | 0.12       | 21       | 23       | 0.73      | 518      | 0.037      | 1       | 1.51       | 0.016     | 0.09      | 0.1     | 0.05     | 7.5      | 0.049    | 0.0249    | 6        |
| 11MS0240  | 0.3      | 0.049    | 64      | 0.96       | 0.119      | 21       | 20       | 0.72      | 575      | 0.05       | 1       | 1.54       | 0.017     | 0.07      | 0.1     | 0.03     | 5.4      | 0.049    | 0.0249    | 6        |
| 11MS0239  | 0.2      | 0.049    | 75      | 0.86       | 0.176      | 11       | 18       | 1.01      | 159      | 0.088      | 0.49    | 1.72       | 0.02      | 0.09      | 0.049   | 0.01     | 4.1      | 0.049    | 0.0249    | 8        |
| 11MS0238  | 0.2      | 0.049    | 76      | 0.89       | 0.173      | 12       | 19       | 1.04      | 163      | 0.089      | 0.49    | 1.76       | 0.02      | 0.09      | 0.049   | 0.02     | 4.3      | 0.049    | 0.0249    | 8        |
| 11MS0237  | 0.2      | 0.1      | 79      | 1.13       | 0.097      | 11       | 23       | 0.95      | 234      | 0.101      | 2       | 1.73       | 0.015     | 0.09      | 0.049   | 0.02     | 3.5      | 0.049    | 0.0249    | 8        |
| 11MS0236  | 0.2      | 0.049    | 73      | 1.04       | 0.114      | 11       | 22       | 0.93      | 223      | 0.092      | 0.49    | 1.66       | 0.015     | 0.08      | 0.049   | 0.02     | 3.2      | 0.049    | 0.0249    | 8        |
| 11MS0235  | 0.5      | 0.049    | 74      | 0.91       | 0.245      | 34       | 20       | 0.95      | 343      | 0.024      | 2       | 1.54       | 0.007     | 0.13      | 0.049   | 0.02     | 6.1      | 0.049    | 0.0249    | 7        |
| 11MS0234  | 0.4      | 0.049    | 74      | 0.88       | 0.223      | 33       | 19       | 0.94      | 341      | 0.021      | 1       | 1.57       | 0.008     | 0.13      | 0.049   | 0.02     | 6.5      | 0.049    | 0.0249    | 7        |
| 11MS0233  | 0.3      | 0.1      | 55      | 2.61       | 0.069      | 10       | 24       | 2.12      | 251      | 0.059      | 2       | 1.63       | 0.022     | 0.04      | 0.1     | 0.05     | 3.7      | 0.049    | 0.06      | 5        |
| 11MS0232  | 0.3      | 0.2      | 58      | 1.34       | 0.067      | 14       | 33       | 0.98      | 232      | 0.044      | 1       | 1.73       | 0.016     | 0.03      | 0.1     | 0.05     | 3.7      | 0.049    | 0.0249    | 6        |
| 11MS0231  | 0.3      | 0.1      | 48      | 2.3        | 0.074      | 10       | 23       | 1.81      | 254      | 0.037      | 2       | 1.59       | 0.014     | 0.03      | 0.1     | 0.05     | 2.7      | 0.049    | 0.06      | 5        |
| 11MS0230  | 0.5      | 0.1      | 53      | 1.61       | 0.053      | 14       | 28       | 1.01      | 253      | 0.04       | 1       | 1.54       | 0.014     | 0.03      | 0.1     | 0.06     | 3.6      | 0.049    | 0.0249    | 5        |
| 11MS0229  | 0.4      | 0.1      | 60      | 2.14       | 0.072      | 14       | 28       | 1.6       | 198      | 0.043      | 1       | 1.74       | 0.016     | 0.05      | 0.049   | 0.05     | 3.8      | 0.049    | 0.0249    | 5        |
| 11MS0228  | 0.9      | 0.049    | 45      | 8.81       | 0.07       | 12       | 21       | 4.07      | 142      | 0.034      | 1       | 1.06       | 0.012     | 0.06      | 0.1     | 0.02     | 3.5      | 0.049    | 0.0249    | 3        |
| 11MS0227  | 0.3      | 0.049    | 105     | 0.47       | 0.077      | 24       | 40       | 1.07      | 415      | 0.096      | 0.49    | 2.14       | 0.011     | 0.23      | 0.049   | 0.01     | 12.8     | 0.049    | 0.0249    | 10       |
| 11MS0226  | 0.4      | 0.2      | 88      | 0.23       | 0.068      | 19       | 58       | 0.92      | 175      | 0.054      | 0.49    | 2.18       | 0.01      | 0.05      | 0.1     | 0.03     | 6.1      | 0.049    | 0.0249    | 7        |
| 11MS0225  | 0.4      | 0.2      | 63      | 0.25       | 0.029      | 13       | 41       | 0.51      | 167      | 0.072      | 0.49    | 1.76       | 0.011     | 0.04      | 0.1     | 0.04     | 4.2      | 0.049    | 0.0249    | 5        |
| 11MS0224  | 0.2      | 0.049    | 123     | 0.76       | 0.099      | 6        | 81       | 1.59      | 286      | 0.107      | 1       | 2.3        | 0.021     | 0.09      | 0.049   | 0.01     | 8.3      | 0.049    | 0.0249    | 9        |
| 11MS0223  | 0.2      | 0.049    | 93      | 0.96       | 0.077      | 16       | 55       | 1         | 236      | 0.077      | 1       | 2.93       | 0.015     | 0.07      | 0.049   | 0.03     | 5        | 0.049    | 0.0249    | 10       |
| 11MS0222  | 0.4      | 0.1      | 50      | 0.46       | 0.094      | 14       | 21       | 0.44      | 411      | 0.051      | 0.49    | 1.33       | 0.014     | 0.09      | 0.2     | 0.02     | 4.2      | 0.049    | 0.0249    | 4        |
| 11MS0220  | 0.3      | 0.049    | 67      | 1.9        | 0.124      | 13       | 22       | 1.17      | 257      | 0.063      | 2       | 1.68       | 0.016     | 0.06      | 0.1     | 0.04     | 3.9      | 0.049    | 0.0249    | 6        |
| 11MS0219  | 0.3      | 0.049    | 88      | 1.66       | 0.188      | 18       | 31       | 1.51      | 227      | 0.084      | 2       | 2          | 0.017     | 0.08      | 0.049   | 0.03     | 5.8      | 0.049    | 0.0249    | 8        |
| 11MS0218  | 0.5      | 0.1      | 45      | 2.06       | 0.071      | 10       | 23       | 0.83      | 235      | 0.038      | 4       | 1.19       | 0.015     | 0.04      | 0.049   | 0.05     | 2.8      | 0.049    | 0.0249    | 4        |
| 11MS0217  | 0.4      | 0.1      | 58      | 1.48       | 0.053      | 14       | 28       | 1.14      | 226      | 0.065      | 3       | 1.52       | 0.024     | 0.06      | 0.1     | 0.05     | 4.4      | 0.049    | 0.0249    | 5        |
| 11MS0216  | 0.5      | 0.1      | 49      | 1.89       | 0.06       | 12       | 25       | 0.55      | 298      | 0.044      | 3       | 1.27       | 0.016     | 0.04      | 0.1     | 0.04     | 3.5      | 0.049    | 0.0249    | 4        |
| 11MS0215  | 0.5      | 0.1      | 56      | 2.22       | 0.118      | 17       | 22       | 0.62      | 562      | 0.02       | 3       | 1.54       | 0.013     | 0.05      | 0.049   | 0.07     | 5        | 0.049    | 0.0249    | 5        |
| 11MS0214  | 0.4      | 0.049    | 134     | 1.62       | 0.454      | 36       | 130      | 1.71      | 878      | 0.08       | 3       | 2.95       | 0.042     | 0.22      | 0.049   | 0.02     | 10.7     | 0.2      | 0.0249    | 13       |
| 11MS0213  | 0.049    | 0.049    | 113     | 0.27       | 0.106      | 9        | 38       | 1.59      | 323      | 0.265      | 0.49    | 3.28       | 0.012     | 0.94      | 0.049   | 0.0049   | 12.2     | 0.2      | 0.0249    | 11       |
| 11MS0212  | 0.2      | 0.049    | 88      | 0.21       | 0.078      | 14       | 32       | 0.85      | 279      | 0.126      | 2       | 2.27       | 0.011     | 0.47      | 0.049   | 0.02     | 9.4      | 0.049    | 0.0249    | 10       |
| 11MS0211  | 0.4      | 0.2      | 64      | 0.39       | 0.067      | 18       | 38       | 0.63      | 251      | 0.083      | 2       | 1.73       | 0.017     | 0.05      | 0.049   | 0.03     | 6.1      | 0.049    | 0.0249    | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11MS0210  | 0.2      | 0.2      | 91      | 1.07       | 0.279      | 7        | 108      | 1.97      | 141      | 0.233      | 2       | 3.11       | 0.051     | 0.06      | 0.049   | 0.02     | 3.3      | 0.049    | 0.0249    | 12       |
| 11MS0209  | 0.3      | 0.1      | 67      | 0.25       | 0.043      | 15       | 23       | 0.51      | 264      | 0.065      | 0.49    | 2.03       | 0.013     | 0.04      | 0.1     | 0.01     | 3.6      | 0.049    | 0.0249    | 7        |
| 11MS0208  | 0.2      | 0.049    | 92      | 0.76       | 0.089      | 7        | 26       | 1.27      | 171      | 0.102      | 0.49    | 2.08       | 0.018     | 0.05      | 0.049   | 0.02     | 3.5      | 0.049    | 0.0249    | 8        |
| 11MS0207  | 0.2      | 0.1      | 93      | 0.67       | 0.076      | 8        | 26       | 1.13      | 196      | 0.089      | 0.49    | 2.12       | 0.017     | 0.06      | 0.049   | 0.02     | 3.5      | 0.049    | 0.0249    | 8        |
| 11MS0206  | 0.049    | 0.049    | 91      | 0.26       | 0.093      | 11       | 24       | 1.6       | 498      | 0.315      | 0.49    | 2.24       | 0.012     | 1.05      | 0.049   | 0.0049   | 10.6     | 0.2      | 0.0249    | 8        |
| 11MS0205  | 0.4      | 0.049    | 54      | 1.12       | 0.081      | 15       | 36       | 0.41      | 623      | 0.026      | 1       | 1.23       | 0.012     | 0.08      | 0.049   | 0.02     | 8.9      | 0.049    | 0.0249    | 3        |
| 11MS0204  | 0.5      | 0.2      | 56      | 0.14       | 0.047      | 14       | 31       | 0.49      | 156      | 0.063      | 1       | 1.89       | 0.011     | 0.04      | 0.1     | 0.02     | 4.5      | 0.049    | 0.0249    | 5        |
| 11MS0203  | 0.3      | 0.1      | 68      | 0.34       | 0.098      | 22       | 21       | 0.58      | 267      | 0.032      | 1       | 2.1        | 0.01      | 0.09      | 0.049   | 0.02     | 6.9      | 0.049    | 0.0249    | 6        |
| 11MS0202  | 0.4      | 0.2      | 56      | 0.2        | 0.015      | 14       | 30       | 0.43      | 159      | 0.063      | 0.49    | 1.52       | 0.012     | 0.03      | 0.1     | 0.03     | 4.1      | 0.1      | 0.0249    | 5        |
| 11MS0200  | 0.1      | 0.049    | 85      | 0.89       | 0.119      | 12       | 34       | 0.71      | 199      | 0.075      | 0.49    | 1.98       | 0.031     | 0.05      | 0.1     | 0.03     | 4.8      | 0.049    | 0.0249    | 8        |
| 11MS0199  | 0.049    | 0.4      | 134     | 0.65       | 0.243      | 15       | 39       | 0.72      | 148      | 0.04       | 0.49    | 2.02       | 0.011     | 0.1       | 0.049   | 0.0049   | 5        | 0.049    | 0.0249    | 10       |
| 11MS0197  | 0.1      | 0.049    | 106     | 0.65       | 0.154      | 12       | 13       | 0.69      | 184      | 0.065      | 0.49    | 1.96       | 0.03      | 0.09      | 0.049   | 0.0049   | 5        | 0.049    | 0.0249    | 9        |
| 11MS0196  | 0.4      | 0.2      | 79      | 0.25       | 0.086      | 8        | 25       | 0.44      | 100      | 0.072      | 0.49    | 1.8        | 0.015     | 0.05      | 0.1     | 0.02     | 2.2      | 0.049    | 0.0249    | 7        |
| 11MS0195  | 0.3      | 0.1      | 77      | 0.29       | 0.081      | 7        | 27       | 0.55      | 98       | 0.077      | 0.49    | 2.02       | 0.025     | 0.05      | 0.1     | 0.02     | 2.7      | 0.049    | 0.0249    | 7        |
| 11MS0194  | 0.2      | 0.049    | 107     | 0.7        | 0.224      | 19       | 11       | 0.63      | 115      | 0.081      | 0.49    | 1.93       | 0.041     | 0.08      | 0.049   | 0.02     | 3.8      | 0.049    | 0.0249    | 8        |
| 11MS0193  | 0.2      | 0.049    | 61      | 0.84       | 0.198      | 19       | 13       | 0.44      | 114      | 0.061      | 0.49    | 1.45       | 0.055     | 0.09      | 0.049   | 0.0049   | 4.1      | 0.049    | 0.0249    | 5        |
| 11MS0192  | 0.2      | 0.049    | 88      | 0.87       | 0.144      | 15       | 12       | 0.64      | 64       | 0.08       | 0.49    | 1.59       | 0.035     | 0.06      | 0.049   | 0.0049   | 4.8      | 0.049    | 0.0249    | 8        |
| 11MS0191  | 0.5      | 0.1      | 73      | 0.25       | 0.057      | 10       | 38       | 0.61      | 140      | 0.064      | 0.49    | 2.47       | 0.02      | 0.06      | 0.1     | 0.02     | 4.1      | 0.049    | 0.0249    | 6        |
| 11MS0190  | 0.049    | 0.049    | 33      | 1.62       | 0.044      | 11       | 16       | 2.96      | 193      | 0.004      | 0.49    | 2.45       | 0.009     | 0.03      | 0.049   | 0.02     | 2.4      | 0.049    | 0.0249    | 6        |
| 11MS0189  | 0.4      | 0.2      | 65      | 0.15       | 0.034      | 9        | 24       | 0.43      | 133      | 0.059      | 0.49    | 2.08       | 0.011     | 0.04      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 7        |
| 11MS0188  | 0.4      | 0.049    | 636     | 4.42       | 1.055      | 28       | 260      | 2.79      | 1409     | 0.054      | 1       | 2.71       | 0.005     | 0.01      | 0.5     | 0.04     | 11.6     | 0.049    | 0.0249    | 9        |
| 11MS0187  | 1.3      | 0.049    | 72      | 0.46       | 0.179      | 10       | 32       | 0.6       | 1151     | 0.012      | 0.49    | 1.71       | 0.004     | 0.09      | 0.049   | 0.02     | 6.2      | 0.049    | 0.0249    | 4        |
| 11MS0186  | 0.4      | 0.2      | 71      | 0.35       | 0.095      | 14       | 37       | 0.46      | 391      | 0.029      | 1       | 1.79       | 0.01      | 0.06      | 0.1     | 0.02     | 4.5      | 0.049    | 0.0249    | 5        |
| 11MS0185  | 0.1      | 0.049    | 57      | 0.72       | 0.197      | 7        | 49       | 0.96      | 116      | 0.118      | 0.49    | 1.61       | 0.032     | 0.04      | 0.049   | 0.0049   | 2.2      | 0.049    | 0.0249    | 7        |
| 11MS0184  | 0.3      | 0.049    | 91      | 1.03       | 0.337      | 7        | 105      | 1.11      | 152      | 0.076      | 0.49    | 2.24       | 0.013     | 0.02      | 0.049   | 0.0049   | 5.3      | 0.049    | 0.0249    | 10       |
| 11MS0183  | 0.3      | 0.1      | 77      | 0.28       | 0.051      | 11       | 48       | 0.81      | 265      | 0.061      | 0.49    | 2.21       | 0.013     | 0.04      | 0.049   | 0.01     | 3.6      | 0.049    | 0.0249    | 7        |
| 11MS0182  | 0.1      | 0.049    | 64      | 1.26       | 0.073      | 9        | 16       | 4.04      | 162      | 0.073      | 2       | 2.77       | 0.014     | 0.03      | 0.049   | 0.02     | 2.5      | 0.049    | 0.0249    | 7        |
| 11MS0180  | 0.1      | 0.049    | 63      | 0.98       | 0.165      | 10       | 16       | 0.9       | 130      | 0.061      | 0.49    | 1.68       | 0.03      | 0.05      | 0.049   | 0.0049   | 4.5      | 0.049    | 0.0249    | 6        |
| 11MS0179  | 0.1      | 0.049    | 83      | 0.62       | 0.141      | 13       | 17       | 0.57      | 118      | 0.061      | 0.49    | 1.51       | 0.023     | 0.09      | 0.049   | 0.0049   | 3.6      | 0.049    | 0.0249    | 6        |
| 11MS0178  | 0.1      | 0.1      | 64      | 0.33       | 0.056      | 9        | 19       | 0.41      | 101      | 0.052      | 0.49    | 1.27       | 0.016     | 0.03      | 0.049   | 0.0049   | 2.8      | 0.049    | 0.0249    | 6        |
| 11MS0177  | 0.049    | 0.049    | 88      | 0.93       | 0.145      | 1        | 25       | 1.36      | 145      | 0.206      | 0.49    | 2.02       | 0.037     | 0.06      | 0.049   | 0.0049   | 2.4      | 0.049    | 0.0249    | 9        |
| 11MS0176  | 0.2      | 0.2      | 56      | 0.21       | 0.066      | 16       | 25       | 0.65      | 227      | 0.097      | 0.49    | 1.69       | 0.01      | 0.16      | 0.049   | 0.03     | 3.2      | 0.049    | 0.0249    | 6        |
| 11MS0175  | 0.049    | 0.049    | 96      | 0.53       | 0.129      | 20       | 28       | 1.61      | 518      | 0.267      | 2       | 2.32       | 0.018     | 0.84      | 0.049   | 0.0049   | 5.3      | 0.2      | 0.0249    | 8        |
| 11MS0174  | 0.5      | 0.2      | 73      | 0.11       | 0.031      | 8        | 37       | 0.73      | 220      | 0.089      | 1       | 2.16       | 0.009     | 0.1       | 0.1     | 0.02     | 2.6      | 0.049    | 0.0249    | 6        |
| 11MS0173  | 0.2      | 0.049    | 116     | 0.26       | 0.047      | 16       | 28       | 1.54      | 287      | 0.218      | 0.49    | 2.53       | 0.011     | 0.56      | 0.1     | 0.0049   | 5.7      | 0.2      | 0.0249    | 8        |
| 11MS0172  | 0.4      | 0.1      | 73      | 0.23       | 0.018      | 16       | 34       | 0.8       | 203      | 0.101      | 0.49    | 1.92       | 0.011     | 0.07      | 0.1     | 0.03     | 6.1      | 0.049    | 0.0249    | 5        |
| 11MS0171  | 0.3      | 0.1      | 68      | 0.62       | 0.08       | 27       | 27       | 0.53      | 748      | 0.059      | 2       | 1.79       | 0.021     | 0.08      | 0.1     | 0.05     | 6.8      | 0.049    | 0.0249    | 5        |
| 11MS0170  | 0.4      | 0.1      | 62      | 0.27       | 0.036      | 10       | 28       | 0.49      | 261      | 0.05       | 0.49    | 1.84       | 0.009     | 0.06      | 0.1     | 0.01     | 3.1      | 0.049    | 0.0249    | 5        |
| 11MS0169  | 0.3      | 0.1      | 59      | 0.86       | 0.103      | 18       | 22       | 0.59      | 458      | 0.047      | 2       | 1.47       | 0.016     | 0.07      | 0.2     | 0.04     | 4.4      | 0.049    | 0.07      | 5        |
| 11MS0168  | 0.6      | 0.2      | 68      | 0.55       | 0.079      | 19       | 32       | 0.59      | 454      | 0.067      | 0.49    | 1.74       | 0.017     | 0.07      | 0.2     | 0.03     | 5.5      | 0.049    | 0.0249    | 6        |
| 11MS0167  | 0.7      | 0.2      | 59      | 0.77       | 0.064      | 13       | 28       | 0.49      | 613      | 0.054      | 2       | 1.57       | 0.016     | 0.05      | 0.2     | 0.03     | 4.6      | 0.049    | 0.0249    | 4        |
| 11MS0166  | 0.5      | 0.1      | 64      | 0.6        | 0.06       | 15       | 30       | 0.48      | 652      | 0.059      | 1       | 1.65       | 0.015     | 0.06      | 0.2     | 0.03     | 5.6      | 0.049    | 0.0249    | 5        |
| 11MS0165  | 0.5      | 0.049    | 65      | 2.05       | 0.089      | 11       | 32       | 2.6       | 186      | 0.057      | 3       | 1.86       | 0.016     | 0.06      | 0.2     | 0.03     | 4.6      | 0.049    | 0.0249    | 6        |
| 11MS0164  | 0.2      | 0.049    | 43      | 3.02       | 0.073      | 9        | 23       | 1.55      | 244      | 0.038      | 3       | 1.35       | 0.015     | 0.05      | 0.049   | 0.04     | 2.3      | 0.049    | 0.0249    | 4        |
| 11MS0163  | 0.2      | 0.049    | 40      | 2.98       | 0.066      | 7        | 23       | 1.32      | 288      | 0.037      | 3       | 1.26       | 0.017     | 0.05      | 0.049   | 0.04     | 1.9      | 0.049    | 0.0249    | 4        |
| 11MS0162  | 0.2      | 0.049    | 46      | 2.07       | 0.099      | 8        | 20       | 1.76      | 146      | 0.055      | 2       | 1.42       | 0.019     | 0.05      | 0.049   | 0.02     | 2.5      | 0.049    | 0.0249    | 4        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11MS0160  | 0.3      | 0.049    | 43      | 2.67       | 0.07       | 8        | 22       | 0.78      | 225      | 0.043      | 3       | 1.14       | 0.015     | 0.05      | 0.1     | 0.04     | 2.3      | 0.049    | 0.09      | 3        |
| 11MS0159  | 0.4      | 0.1      | 31      | 3.06       | 0.082      | 7        | 20       | 0.55      | 302      | 0.023      | 3       | 0.83       | 0.012     | 0.03      | 0.049   | 0.04     | 1.8      | 0.049    | 0.09      | 3        |
| 11MS0158  | 0.4      | 0.1      | 76      | 1.49       | 0.146      | 13       | 50       | 1         | 229      | 0.104      | 2       | 1.74       | 0.021     | 0.1       | 0.1     | 0.04     | 5.7      | 0.049    | 0.0249    | 7        |
| 11MS0157  | 0.4      | 0.049    | 80      | 1.38       | 0.147      | 12       | 52       | 1.11      | 337      | 0.097      | 2       | 1.88       | 0.02      | 0.07      | 0.1     | 0.04     | 6        | 0.049    | 0.0249    | 7        |
| 11MS0156  | 0.4      | 0.049    | 83      | 1.71       | 0.2        | 16       | 71       | 0.9       | 438      | 0.026      | 1       | 1.44       | 0.011     | 0.05      | 0.049   | 0.04     | 6.7      | 0.049    | 0.0249    | 5        |
| 11MS0155  | 0.3      | 0.049    | 77      | 1.06       | 0.126      | 7        | 53       | 0.67      | 150      | 0.053      | 1       | 1.31       | 0.013     | 0.04      | 0.1     | 0.02     | 4.8      | 0.049    | 0.0249    | 6        |
| 11MS0154  | 0.4      | 0.049    | 42      | 3.16       | 0.115      | 6        | 33       | 0.4       | 164      | 0.033      | 2       | 0.94       | 0.016     | 0.02      | 0.049   | 0.05     | 2.4      | 0.049    | 0.16      | 3        |
| 11MS0153  | 0.1      | 0.049    | 105     | 1          | 0.09       | 12       | 27       | 1.06      | 362      | 0.104      | 0.49    | 2.49       | 0.016     | 0.08      | 0.049   | 0.0049   | 6.5      | 0.049    | 0.0249    | 8        |
| 11MS0152  | 0.2      | 0.049    | 74      | 1.15       | 0.124      | 14       | 28       | 0.83      | 215      | 0.035      | 0.49    | 1.83       | 0.022     | 0.05      | 0.049   | 0.06     | 4.7      | 0.049    | 0.06      | 6        |
| 11MS0151  | 0.2      | 0.049    | 73      | 2.12       | 0.164      | 13       | 23       | 1.04      | 154      | 0.05       | 2       | 1.8        | 0.026     | 0.06      | 0.049   | 0.06     | 5.4      | 0.049    | 0.07      | 6        |
| 11MS0150  | 0.3      | 0.2      | 63      | 1.16       | 0.089      | 10       | 32       | 1.12      | 221      | 0.066      | 0.49    | 1.7        | 0.018     | 0.04      | 0.1     | 0.04     | 4.2      | 0.049    | 0.0249    | 5        |
| 11MS0149  | 0.049    | 0.2      | 63      | 0.84       | 0.077      | 11       | 42       | 4.92      | 252      | 0.068      | 0.49    | 2.69       | 0.009     | 0.06      | 0.049   | 0.03     | 5.2      | 0.1      | 0.0249    | 8        |
| 11MS0148  | 0.2      | 0.049    | 96      | 0.57       | 0.116      | 16       | 43       | 1.53      | 677      | 0.215      | 0.49    | 2.44       | 0.017     | 0.71      | 0.049   | 0.02     | 5.2      | 0.2      | 0.0249    | 8        |
| 11MS0147  | 0.2      | 0.1      | 91      | 0.26       | 0.075      | 15       | 32       | 1.14      | 367      | 0.186      | 0.49    | 2.49       | 0.012     | 0.53      | 0.049   | 0.02     | 4.9      | 0.2      | 0.0249    | 7        |
| 11MS0146  | 0.4      | 0.1      | 76      | 0.24       | 0.055      | 13       | 33       | 0.87      | 291      | 0.123      | 0.49    | 2.26       | 0.013     | 0.19      | 0.1     | 0.02     | 4        | 0.1      | 0.0249    | 6        |
| 11MS0145  | 0.049    | 0.049    | 121     | 0.53       | 0.151      | 24       | 25       | 1.7       | 582      | 0.271      | 0.49    | 3.12       | 0.016     | 1.35      | 0.049   | 0.0049   | 7.2      | 0.3      | 0.0249    | 11       |
| 11MS0144  | 0.3      | 0.2      | 62      | 0.28       | 0.059      | 12       | 26       | 0.61      | 180      | 0.063      | 0.49    | 1.78       | 0.016     | 0.07      | 0.049   | 0.03     | 3        | 0.049    | 0.0249    | 6        |
| 11MS0143  | 0.5      | 0.2      | 72      | 0.13       | 0.032      | 8        | 34       | 0.56      | 191      | 0.068      | 1       | 2.49       | 0.013     | 0.09      | 0.1     | 0.04     | 3.2      | 0.049    | 0.0249    | 6        |
| 11MS0142  | 0.3      | 0.2      | 63      | 0.26       | 0.02       | 10       | 34       | 0.61      | 194      | 0.062      | 0.49    | 1.88       | 0.011     | 0.09      | 0.049   | 0.01     | 3.7      | 0.049    | 0.0249    | 5        |
| 11MS0141  | 0.3      | 0.1      | 77      | 0.29       | 0.053      | 10       | 29       | 0.92      | 170      | 0.152      | 1       | 1.97       | 0.014     | 0.2       | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 7        |
| 11MS0140  | 0.4      | 0.049    | 78      | 0.46       | 0.089      | 14       | 21       | 1.07      | 396      | 0.218      | 0.49    | 1.99       | 0.016     | 0.65      | 0.049   | 0.03     | 8.6      | 0.2      | 0.0249    | 8        |
| 11MS0139  | 0.5      | 0.049    | 79      | 0.52       | 0.133      | 16       | 26       | 1.18      | 333      | 0.211      | 0.49    | 2.02       | 0.015     | 0.62      | 0.049   | 0.05     | 9.6      | 0.3      | 0.0249    | 8        |
| 11MS0138  | 0.3      | 0.049    | 92      | 0.41       | 0.099      | 23       | 38       | 1.35      | 382      | 0.193      | 0.49    | 2.1        | 0.014     | 0.66      | 0.049   | 0.03     | 10.1     | 0.2      | 0.0249    | 8        |
| 11MS0137  | 0.4      | 0.1      | 69      | 0.29       | 0.057      | 14       | 24       | 0.85      | 313      | 0.157      | 1       | 1.82       | 0.015     | 0.42      | 0.1     | 0.03     | 6.7      | 0.2      | 0.0249    | 7        |
| 11MS0136  | 0.3      | 0.1      | 72      | 0.23       | 0.035      | 17       | 27       | 0.8       | 283      | 0.139      | 1       | 1.83       | 0.014     | 0.28      | 0.1     | 0.02     | 7.5      | 0.1      | 0.0249    | 7        |
| 11MS0135  | 0.8      | 0.1      | 41      | 0.18       | 0.044      | 14       | 19       | 0.6       | 268      | 0.129      | 0.49    | 1.8        | 0.011     | 0.49      | 0.2     | 0.03     | 6.7      | 0.2      | 0.0249    | 8        |
| 11MS0134  | 0.8      | 0.1      | 38      | 0.17       | 0.034      | 15       | 19       | 0.48      | 353      | 0.061      | 2       | 1.7        | 0.008     | 0.28      | 0.2     | 0.02     | 3.7      | 0.2      | 0.0249    | 5        |
| 11MS0133  | 0.5      | 0.1      | 51      | 0.26       | 0.034      | 16       | 21       | 1         | 277      | 0.229      | 1       | 2.17       | 0.014     | 0.75      | 0.1     | 0.02     | 4.4      | 0.3      | 0.0249    | 8        |
| 11MS0132  | 0.6      | 0.1      | 58      | 0.19       | 0.028      | 11       | 24       | 0.66      | 341      | 0.102      | 1       | 2.05       | 0.011     | 0.28      | 0.1     | 0.02     | 3.8      | 0.1      | 0.0249    | 7        |
| 11MS0131  | 0.5      | 0.1      | 96      | 0.26       | 0.04       | 14       | 18       | 1.25      | 379      | 0.226      | 2       | 2.71       | 0.017     | 0.76      | 0.2     | 0.02     | 7.3      | 0.4      | 0.0249    | 9        |
| 11MS0129  | 0.7      | 0.049    | 38      | 0.17       | 0.03       | 10       | 23       | 0.57      | 205      | 0.125      | 0.49    | 1.52       | 0.012     | 0.4       | 0.1     | 0.0049   | 3.9      | 0.2      | 0.0249    | 6        |
| 11MS0128  | 0.2      | 0.049    | 21      | 0.14       | 0.043      | 8        | 7        | 0.77      | 175      | 0.199      | 0.49    | 1.75       | 0.007     | 0.68      | 0.1     | 0.0049   | 4        | 0.3      | 0.0249    | 8        |
| 11MS0127  | 0.2      | 0.3      | 152     | 0.61       | 0.091      | 19       | 141      | 3.1       | 680      | 0.184      | 1       | 3.15       | 0.022     | 0.09      | 0.2     | 0.01     | 13.1     | 0.049    | 0.0249    | 12       |
| 11MS0126  | 0.1      | 0.049    | 91      | 1.06       | 0.296      | 8        | 24       | 1.51      | 334      | 0.145      | 0.49    | 1.95       | 0.039     | 0.68      | 0.049   | 0.01     | 4.9      | 0.3      | 0.0249    | 8        |
| 11MS0125  | 0.5      | 0.2      | 66      | 0.53       | 0.087      | 34       | 75       | 1.12      | 537      | 0.159      | 2       | 1.92       | 0.02      | 0.29      | 0.2     | 0.03     | 6.6      | 0.2      | 0.0249    | 7        |
| 11MS0124  | 0.3      | 0.1      | 50      | 0.66       | 0.074      | 22       | 29       | 0.72      | 380      | 0.091      | 0.49    | 1.61       | 0.017     | 0.22      | 0.1     | 0.05     | 6.2      | 0.1      | 0.0249    | 6        |
| 11MS0123  | 0.2      | 1.1      | 18      | 0.24       | 0.054      | 15       | 17       | 0.2       | 141      | 0.041      | 0.49    | 0.93       | 0.01      | 0.03      | 0.1     | 0.04     | 1.6      | 0.049    | 0.08      | 3        |
| 11MS0122  | 0.2      | 0.6      | 18      | 0.2        | 0.06       | 13       | 16       | 0.19      | 110      | 0.035      | 0.49    | 0.89       | 0.011     | 0.03      | 0.049   | 0.04     | 1.2      | 0.049    | 0.09      | 3        |
| 11MS0121  | 0.1      | 0.2      | 39      | 0.31       | 0.058      | 18       | 25       | 0.45      | 213      | 0.086      | 1       | 1.45       | 0.011     | 0.09      | 0.049   | 0.04     | 2        | 0.1      | 0.08      | 5        |
| 11MS0120  | 0.3      | 0.2      | 43      | 0.31       | 0.086      | 29       | 37       | 0.68      | 271      | 0.102      | 0.49    | 1.77       | 0.018     | 0.12      | 0.049   | 0.02     | 2.9      | 0.1      | 0.0249    | 5        |
| 11MS0119  | 0.2      | 0.1      | 39      | 0.46       | 0.118      | 34       | 51       | 0.93      | 227      | 0.146      | 0.49    | 1.81       | 0.014     | 0.26      | 0.049   | 0.0049   | 2.4      | 0.2      | 0.0249    | 5        |
| 11MS0118  | 0.2      | 0.1      | 37      | 0.31       | 0.054      | 30       | 25       | 0.64      | 177      | 0.102      | 1       | 1.65       | 0.014     | 0.19      | 0.049   | 0.01     | 2.4      | 0.2      | 0.0249    | 4        |
| 11MS0117  | 0.5      | 0.3      | 93      | 0.78       | 0.165      | 29       | 60       | 1.73      | 654      | 0.178      | 3       | 2.47       | 0.017     | 0.66      | 0.1     | 0.03     | 11.5     | 0.3      | 0.0249    | 8        |
| 11MS0116  | 0.2      | 0.2      | 37      | 0.27       | 0.074      | 23       | 21       | 0.32      | 246      | 0.026      | 1       | 1.65       | 0.011     | 0.07      | 0.049   | 0.06     | 1.3      | 0.049    | 0.0249    | 6        |
| 11MS0115  | 0.2      | 0.5      | 35      | 0.13       | 0.052      | 23       | 14       | 0.46      | 160      | 0.091      | 0.49    | 1.49       | 0.054     | 0.16      | 0.049   | 0.01     | 1.7      | 0.2      | 0.19      | 4        |
| 11MS0114  | 0.3      | 3.3      | 23      | 0.15       | 0.057      | 23       | 13       | 0.2       | 129      | 0.027      | 1       | 1.1        | 0.015     | 0.05      | 0.049   | 0.06     | 1.5      | 0.1      | 0.12      | 3        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11MS0113  | 0.3      | 3.2      | 33      | 0.21       | 0.085      | 31       | 32       | 0.46      | 167      | 0.075      | 0.49    | 1.3        | 0.034     | 0.09      | 0.049   | 0.03     | 2.2      | 0.1      | 0.18      | 4        |
| 11MS0112  | 0.2      | 3.2      | 15      | 0.19       | 0.06       | 20       | 19       | 0.23      | 141      | 0.03       | 0.49    | 0.93       | 0.012     | 0.04      | 0.049   | 0.06     | 1.6      | 0.049    | 0.14      | 3        |
| 11MS0111  | 0.2      | 2.8      | 25      | 0.19       | 0.066      | 21       | 25       | 0.31      | 131      | 0.042      | 1       | 1.14       | 0.012     | 0.04      | 0.049   | 0.04     | 1.9      | 0.049    | 0.09      | 4        |
| 11MS0110  | 0.6      | 1.6      | 35      | 0.4        | 0.073      | 29       | 30       | 0.45      | 238      | 0.051      | 1       | 1.39       | 0.013     | 0.05      | 0.049   | 0.04     | 2.7      | 0.049    | 0.08      | 5        |
| 11MS0109  | 0.2      | 0.1      | 53      | 0.53       | 0.081      | 13       | 29       | 0.72      | 312      | 0.066      | 2       | 1.41       | 0.013     | 0.09      | 0.1     | 0.04     | 5        | 0.049    | 0.05      | 5        |
| 11MS0108  | 0.2      | 0.1      | 64      | 0.4        | 0.061      | 18       | 35       | 0.8       | 348      | 0.104      | 0.49    | 2          | 0.014     | 0.18      | 0.049   | 0.06     | 6.5      | 0.1      | 0.0249    | 7        |
| 11MS0107  | 0.3      | 0.1      | 71      | 0.64       | 0.083      | 25       | 38       | 0.94      | 437      | 0.09       | 1       | 1.81       | 0.018     | 0.2       | 0.049   | 0.05     | 9.2      | 0.1      | 0.0249    | 6        |
| 11MS0106  | 0.2      | 0.1      | 73      | 0.63       | 0.065      | 29       | 25       | 1.08      | 414      | 0.119      | 0.49    | 1.85       | 0.017     | 0.36      | 0.049   | 0.05     | 9.3      | 0.2      | 0.0249    | 7        |
| 11MS0105  | 0.3      | 0.2      | 71      | 0.63       | 0.149      | 37       | 106      | 1.55      | 554      | 0.167      | 0.49    | 2.2        | 0.022     | 0.17      | 0.1     | 0.02     | 4.7      | 0.1      | 0.0249    | 8        |
| 11MS0104  | 0.3      | 0.1      | 66      | 0.33       | 0.074      | 12       | 25       | 0.99      | 357      | 0.138      | 3       | 1.92       | 0.015     | 0.37      | 0.1     | 0.02     | 6.3      | 0.2      | 0.0249    | 7        |
| 11MS0103  | 0.5      | 0.049    | 98      | 0.54       | 0.099      | 11       | 32       | 1.45      | 526      | 0.176      | 2       | 2.48       | 0.012     | 0.68      | 0.1     | 0.01     | 8.7      | 0.2      | 0.0249    | 10       |
| 11MS0102  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11MS0101  | 0.3      | 0.049    | 83      | 0.31       | 0.065      | 8        | 25       | 1.15      | 555      | 0.192      | 1       | 2.55       | 0.016     | 0.56      | 0.1     | 0.01     | 6.7      | 0.2      | 0.0249    | 9        |
| 11MS0100  | 0.3      | 0.049    | 109     | 0.26       | 0.071      | 9        | 21       | 1.27      | 222      | 0.144      | 2       | 2.14       | 0.012     | 0.41      | 0.1     | 0.02     | 7.6      | 0.3      | 0.0249    | 8        |
| 11MS0099  | 0.3      | 0.049    | 132     | 0.2        | 0.075      | 12       | 17       | 1.58      | 228      | 0.145      | 0.49    | 2.67       | 0.012     | 0.47      | 0.049   | 0.0049   | 11.2     | 0.2      | 0.0249    | 11       |
| 11MS0098  | 0.2      | 0.049    | 128     | 0.44       | 0.089      | 8        | 18       | 1.47      | 337      | 0.202      | 3       | 2.51       | 0.011     | 0.69      | 0.049   | 0.02     | 13.5     | 0.3      | 0.0249    | 10       |
| 11MS0097  | 0.2      | 0.049    | 68      | 0.36       | 0.073      | 11       | 28       | 0.79      | 264      | 0.119      | 2       | 1.94       | 0.015     | 0.41      | 0.049   | 0.02     | 5.5      | 0.2      | 0.0249    | 6        |
| 11MS0096  | 0.2      | 0.049    | 64      | 0.87       | 0.114      | 17       | 28       | 0.64      | 333      | 0.047      | 0.49    | 1.36       | 0.013     | 0.11      | 0.1     | 0.04     | 7.7      | 0.049    | 0.0249    | 4        |
| 11MS0095  | 0.049    | 0.049    | 33      | 0.23       | 0.062      | 12       | 10       | 0.37      | 100      | 0.055      | 0.49    | 0.67       | 0.005     | 0.16      | 0.1     | 0.0049   | 2.3      | 0.2      | 0.0249    | 3        |
| 11MS0094  | 0.3      | 0.1      | 110     | 0.19       | 0.033      | 4        | 21       | 1.15      | 376      | 0.27       | 0.49    | 2.46       | 0.014     | 0.54      | 0.1     | 0.01     | 2        | 0.3      | 0.0249    | 7        |
| 11MS0093  | 0.1      | 0.049    | 59      | 0.57       | 0.099      | 5        | 15       | 1.55      | 265      | 0.205      | 0.49    | 2.01       | 0.01      | 0.5       | 0.049   | 0.0049   | 1.6      | 0.2      | 0.0249    | 6        |
| 11MS0092  | 0.2      | 0.049    | 57      | 0.65       | 0.082      | 13       | 23       | 1.08      | 236      | 0.147      | 0.49    | 1.74       | 0.022     | 0.3       | 0.049   | 0.03     | 3.8      | 0.2      | 0.0249    | 5        |
| 11MS0091  | 0.2      | 0.1      | 62      | 0.55       | 0.053      | 9        | 20       | 0.77      | 325      | 0.141      | 0.49    | 1.91       | 0.013     | 0.17      | 0.049   | 0.02     | 2.7      | 0.1      | 0.0249    | 5        |
| 11MS0090  | 0.2      | 0.049    | 88      | 0.46       | 0.093      | 3        | 14       | 1.04      | 297      | 0.18       | 0.49    | 2.15       | 0.019     | 0.57      | 0.049   | 0.0049   | 2.8      | 0.2      | 0.0249    | 6        |
| 11MS0089  | 0.2      | 0.049    | 63      | 0.32       | 0.058      | 4        | 12       | 0.88      | 298      | 0.251      | 0.49    | 1.92       | 0.022     | 0.77      | 0.1     | 0.01     | 4.3      | 0.3      | 0.0249    | 7        |
| 11MS0088  | 0.2      | 0.049    | 65      | 0.6        | 0.037      | 6        | 23       | 1.04      | 342      | 0.157      | 0.49    | 1.94       | 0.018     | 0.43      | 0.049   | 0.01     | 2.8      | 0.1      | 0.0249    | 5        |
| 11MS0087  | 0.2      | 0.049    | 75      | 0.51       | 0.04       | 7        | 18       | 1.24      | 269      | 0.24       | 0.49    | 2.18       | 0.018     | 0.42      | 0.049   | 0.01     | 2.1      | 0.2      | 0.0249    | 5        |
| 11MS0086  | 0.2      | 0.049    | 57      | 0.36       | 0.068      | 6        | 17       | 0.87      | 275      | 0.196      | 1       | 1.74       | 0.013     | 0.44      | 0.1     | 0.01     | 1.9      | 0.2      | 0.0249    | 6        |
| 11MS0085  | 0.049    | 0.049    | 58      | 0.31       | 0.056      | 3        | 15       | 1.17      | 245      | 0.27       | 0.49    | 2.02       | 0.01      | 0.87      | 0.2     | 0.0049   | 1.6      | 0.3      | 0.0249    | 7        |
| 11MS0084  | 0.1      | 0.049    | 57      | 0.31       | 0.076      | 3        | 16       | 1.16      | 237      | 0.219      | 2       | 2.14       | 0.01      | 0.72      | 0.049   | 0.0049   | 1.6      | 0.3      | 0.0249    | 7        |
| 11MS0083  | 0.2      | 0.049    | 45      | 0.2        | 0.028      | 5        | 14       | 0.69      | 213      | 0.149      | 1       | 1.43       | 0.009     | 0.44      | 0.1     | 0.0049   | 1.5      | 0.2      | 0.0249    | 4        |
| 11MS0082  | 0.1      | 0.049    | 61      | 0.3        | 0.031      | 4        | 16       | 0.95      | 189      | 0.223      | 0.49    | 1.72       | 0.012     | 0.64      | 0.1     | 0.0049   | 1.7      | 0.3      | 0.0249    | 5        |
| 11MS0081  | 0.049    | 0.049    | 73      | 0.31       | 0.049      | 4        | 13       | 1.02      | 211      | 0.214      | 0.49    | 1.82       | 0.012     | 0.65      | 0.2     | 0.0049   | 2.6      | 0.3      | 0.0249    | 6        |
| 11MS0080  | 0.2      | 0.049    | 39      | 0.29       | 0.034      | 8        | 16       | 0.74      | 211      | 0.161      | 2       | 1.55       | 0.009     | 0.5       | 0.049   | 0.02     | 2        | 0.2      | 0.0249    | 4        |
| 11MS0079  | 0.049    | 0.049    | 44      | 0.23       | 0.03       | 5        | 9        | 0.65      | 180      | 0.159      | 0.49    | 1.44       | 0.009     | 0.55      | 0.049   | 0.0049   | 2.3      | 0.2      | 0.0249    | 4        |
| 11MS0078  | 0.1      | 0.049    | 74      | 0.37       | 0.054      | 6        | 23       | 1.14      | 284      | 0.203      | 2       | 2.02       | 0.015     | 0.77      | 0.1     | 0.01     | 3.3      | 0.3      | 0.0249    | 6        |
| 11MS0077  | 0.2      | 0.1      | 61      | 1.53       | 0.27       | 42       | 83       | 1.67      | 749      | 0.163      | 3       | 2.06       | 0.023     | 0.33      | 0.049   | 0.05     | 5.3      | 0.2      | 0.07      | 7        |
| 11MS0076  | 0.2      | 0.1      | 61      | 0.65       | 0.091      | 15       | 36       | 1         | 345      | 0.145      | 0.49    | 1.81       | 0.016     | 0.26      | 0.1     | 0.03     | 3.8      | 0.2      | 0.0249    | 6        |
| 11MS0075  | 0.2      | 0.1      | 66      | 0.55       | 0.097      | 13       | 32       | 1         | 291      | 0.143      | 2       | 1.76       | 0.014     | 0.24      | 0.1     | 0.04     | 4.4      | 0.2      | 0.06      | 6        |
| 11MS0074  | 0.2      | 0.2      | 74      | 0.73       | 0.108      | 20       | 28       | 0.9       | 382      | 0.093      | 4       | 1.66       | 0.013     | 0.15      | 0.1     | 0.04     | 6.7      | 0.2      | 0.08      | 6        |
| 11MS0073  | 0.2      | 0.2      | 69      | 0.57       | 0.119      | 17       | 24       | 0.89      | 309      | 0.086      | 4       | 1.55       | 0.014     | 0.15      | 0.1     | 0.03     | 5.5      | 0.1      | 0.08      | 6        |
| 11MS0072  | 0.2      | 0.049    | 68      | 0.63       | 0.1        | 13       | 32       | 0.82      | 356      | 0.086      | 0.49    | 1.54       | 0.014     | 0.18      | 0.049   | 0.02     | 4.6      | 0.1      | 0.06      | 7        |
| 11MS0071  | 0.2      | 0.049    | 42      | 1.5        | 0.102      | 42       | 16       | 0.53      | 585      | 0.052      | 2       | 1.15       | 0.016     | 0.1       | 0.049   | 0.1      | 6.6      | 0.1      | 0.15      | 4        |
| 11MS0070  | 0.2      | 0.1      | 58      | 0.6        | 0.076      | 16       | 21       | 0.75      | 378      | 0.05       | 2       | 1.5        | 0.012     | 0.09      | 0.049   | 0.07     | 5.6      | 0.049    | 0.09      | 7        |
| 11MS0069  | 0.3      | 0.1      | 60      | 0.22       | 0.048      | 13       | 16       | 0.66      | 172      | 0.044      | 1       | 1.45       | 0.009     | 0.06      | 0.049   | 0.03     | 3.6      | 0.049    | 0.05      | 7        |
| 11MS0068  | 0.2      | 0.049    | 45      | 0.36       | 0.048      | 11       | 18       | 1.01      | 238      | 0.054      | 0.49    | 1.73       | 0.01      | 0.07      | 0.1     | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11MS0067  | 0.3      | 0.2      | 63      | 0.35       | 0.056      | 13       | 22       | 1.03      | 314      | 0.061      | 1       | 2.17       | 0.01      | 0.1       | 0.1     | 0.02     | 5.7      | 0.2      | 0.05      | 8        |
| 11MS0066  | 0.2      | 0.1      | 76      | 0.29       | 0.07       | 10       | 22       | 1.25      | 204      | 0.091      | 1       | 2.21       | 0.01      | 0.2       | 0.1     | 0.03     | 7.9      | 0.1      | 0.0249    | 9        |
| 11MS0065  | 0.4      | 0.1      | 74      | 0.18       | 0.029      | 6        | 50       | 0.84      | 182      | 0.101      | 0.49    | 2.21       | 0.018     | 0.06      | 0.1     | 0.01     | 3.7      | 0.049    | 0.0249    | 7        |
| 11MS0064  | 0.2      | 0.049    | 109     | 0.68       | 0.12       | 7        | 91       | 1.68      | 335      | 0.048      | 0.49    | 2.63       | 0.017     | 0.19      | 0.049   | 0.01     | 11.2     | 0.1      | 0.0249    | 9        |
| 11MS0063  | 0.3      | 0.4      | 113     | 2.4        | 0.165      | 18       | 28       | 0.84      | 404      | 0.033      | 3       | 1.55       | 0.013     | 0.16      | 0.2     | 0.04     | 15       | 0.2      | 0.0249    | 5        |
| 11MS0062  | 0.4      | 0.1      | 62      | 1.73       | 0.105      | 19       | 25       | 0.58      | 419      | 0.042      | 2       | 1.18       | 0.015     | 0.07      | 0.2     | 0.06     | 8.7      | 0.1      | 0.0249    | 4        |
| 11MS0061  | 0.2      | 0.1      | 63      | 0.6        | 0.079      | 15       | 72       | 1.16      | 257      | 0.095      | 1       | 1.69       | 0.016     | 0.08      | 0.1     | 0.02     | 5.1      | 0.049    | 0.0249    | 6        |
| 11MS0060  | 0.2      | 0.1      | 72      | 0.59       | 0.088      | 16       | 45       | 0.99      | 291      | 0.092      | 1       | 1.69       | 0.019     | 0.12      | 0.1     | 0.02     | 6.3      | 0.1      | 0.0249    | 6        |
| 11MS0059  | 0.2      | 0.1      | 64      | 0.49       | 0.059      | 16       | 27       | 0.7       | 331      | 0.084      | 1       | 1.77       | 0.012     | 0.1       | 0.049   | 0.04     | 6        | 0.1      | 0.0249    | 6        |
| 11MS0058  | 0.2      | 0.049    | 42      | 0.37       | 0.074      | 12       | 22       | 0.55      | 185      | 0.066      | 0.49    | 1.29       | 0.011     | 0.11      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 5        |
| 11MS0057  | 0.2      | 0.1      | 66      | 0.41       | 0.082      | 16       | 24       | 0.84      | 272      | 0.086      | 1       | 1.8        | 0.013     | 0.25      | 0.1     | 0.03     | 7.1      | 0.1      | 0.0249    | 7        |
| 11MS0056  | 0.2      | 0.1      | 53      | 0.52       | 0.083      | 19       | 41       | 0.84      | 377      | 0.06       | 0.49    | 1.5        | 0.014     | 0.07      | 0.1     | 0.04     | 5.3      | 0.049    | 0.0249    | 5        |
| 11MS0055  | 0.3      | 0.049    | 85      | 0.5        | 0.113      | 13       | 19       | 1         | 401      | 0.076      | 0.49    | 1.68       | 0.013     | 0.23      | 0.049   | 0.0049   | 9.7      | 0.1      | 0.0249    | 7        |
| 11MS0054  | 0.3      | 0.3      | 34      | 0.78       | 0.061      | 28       | 31       | 0.55      | 371      | 0.035      | 2       | 1.22       | 0.011     | 0.05      | 0.1     | 0.04     | 3        | 0.049    | 0.05      | 4        |
| 11MS0053  | 1.3      | 2.7      | 28      | 0.36       | 0.065      | 46       | 24       | 0.49      | 208      | 0.057      | 0.49    | 1.36       | 0.016     | 0.07      | 0.049   | 0.04     | 3.1      | 0.1      | 0.06      | 4        |
| 11MS0052  | 0.3      | 5.3      | 24      | 0.18       | 0.051      | 33       | 19       | 0.34      | 139      | 0.04       | 0.49    | 1.22       | 0.054     | 0.05      | 0.049   | 0.03     | 2.2      | 0.049    | 0.21      | 4        |
| 11MS0051  | 0.2      | 3.4      | 22      | 0.14       | 0.046      | 23       | 12       | 0.18      | 171      | 0.013      | 1       | 1.51       | 0.015     | 0.05      | 0.049   | 0.04     | 2.1      | 0.049    | 0.08      | 4        |
| 11MS0050  | 0.2      | 6.2      | 21      | 0.1        | 0.052      | 29       | 12       | 0.2       | 141      | 0.017      | 1       | 1.35       | 0.026     | 0.07      | 0.049   | 0.06     | 1.8      | 0.1      | 0.14      | 4        |
| 11MS0049  | 0.2      | 17.9     | 6       | 0.06       | 0.057      | 65       | 5        | 0.07      | 92       | 0.022      | 1       | 0.4        | 0.289     | 0.53      | 0.1     | 0.0049   | 1        | 0.4      | 2         | 2        |
| 11MS0048  | 0.3      | 1.9      | 12      | 0.09       | 0.051      | 29       | 9        | 0.1       | 77       | 0.025      | 0.49    | 0.89       | 0.046     | 0.08      | 0.1     | 0.02     | 1.6      | 0.1      | 0.21      | 2        |
| 11MS0047  | 0.4      | 0.6      | 23      | 0.12       | 0.028      | 20       | 12       | 0.32      | 104      | 0.044      | 0.49    | 1.15       | 0.024     | 0.1       | 0.049   | 0.0049   | 2.2      | 0.1      | 0.08      | 3        |
| 11MS0046  | 0.4      | 0.2      | 37      | 0.2        | 0.033      | 21       | 21       | 0.44      | 141      | 0.065      | 0.49    | 1.29       | 0.01      | 0.1       | 0.049   | 0.01     | 2.9      | 0.049    | 0.0249    | 4        |
| 11MS0045  | 0.4      | 0.2      | 63      | 0.14       | 0.047      | 8        | 23       | 0.45      | 166      | 0.076      | 1       | 1.45       | 0.008     | 0.08      | 0.1     | 0.01     | 2        | 0.1      | 0.0249    | 6        |
| 11MS0044  | 0.3      | 0.2      | 42      | 0.3        | 0.046      | 24       | 25       | 0.51      | 324      | 0.046      | 0.49    | 1.47       | 0.015     | 0.09      | 0.049   | 0.02     | 3.7      | 0.049    | 0.0249    | 5        |
| 11MS0043  | 0.2      | 0.1      | 27      | 0.41       | 0.083      | 27       | 22       | 0.65      | 257      | 0.097      | 1       | 1.15       | 0.011     | 0.33      | 0.1     | 0.0049   | 2.7      | 0.3      | 0.1       | 4        |
| 11MS0042  | 0.4      | 0.9      | 55      | 0.52       | 0.12       | 24       | 28       | 1.04      | 838      | 0.009      | 1       | 2.01       | 0.008     | 0.09      | 0.1     | 0.02     | 5.3      | 0.049    | 0.06      | 8        |
| 11MS0041  | 0.2      | 0.1      | 62      | 0.65       | 0.105      | 24       | 54       | 1.11      | 483      | 0.122      | 2       | 1.83       | 0.014     | 0.13      | 0.1     | 0.03     | 5        | 0.1      | 0.0249    | 6        |
| 11MS0040  | 0.3      | 0.2      | 57      | 0.31       | 0.052      | 12       | 41       | 0.7       | 304      | 0.085      | 0.49    | 1.68       | 0.011     | 0.06      | 0.1     | 0.02     | 2.9      | 0.049    | 0.0249    | 6        |
| 11MS0039  | 0.2      | 0.1      | 53      | 0.25       | 0.06       | 8        | 21       | 0.67      | 205      | 0.086      | 1       | 1.54       | 0.01      | 0.12      | 0.1     | 0.02     | 2.9      | 0.1      | 0.0249    | 6        |
| 11MS0038  | 0.2      | 0.2      | 50      | 0.28       | 0.055      | 10       | 21       | 0.59      | 313      | 0.092      | 2       | 1.35       | 0.009     | 0.17      | 0.1     | 0.02     | 3.1      | 0.1      | 0.0249    | 6        |
| 11MS0037  | 0.1      | 0.049    | 61      | 0.52       | 0.156      | 8        | 20       | 1.23      | 322      | 0.159      | 2       | 1.88       | 0.011     | 0.51      | 0.049   | 0.02     | 5.3      | 0.2      | 0.05      | 7        |
| 11MS0036  | 0.2      | 0.049    | 45      | 0.32       | 0.061      | 6        | 25       | 0.76      | 169      | 0.113      | 1       | 1.55       | 0.01      | 0.33      | 0.049   | 0.01     | 2.2      | 0.2      | 0.0249    | 5        |
| 11MS0035  | 0.1      | 0.049    | 46      | 0.41       | 0.08       | 5        | 23       | 0.91      | 156      | 0.153      | 0.49    | 1.71       | 0.011     | 0.48      | 0.049   | 0.01     | 1.7      | 0.2      | 0.0249    | 5        |
| 11MS0034  | 0.2      | 0.1      | 61      | 0.5        | 0.049      | 11       | 37       | 0.71      | 250      | 0.111      | 1       | 1.81       | 0.016     | 0.14      | 0.049   | 0.02     | 3.2      | 0.049    | 0.0249    | 6        |
| 11MS0033  | 0.2      | 0.049    | 61      | 0.35       | 0.061      | 8        | 24       | 0.79      | 195      | 0.143      | 0.49    | 1.7        | 0.012     | 0.26      | 0.1     | 0.01     | 2.6      | 0.2      | 0.0249    | 5        |
| 11MS0032  | 0.2      | 0.1      | 64      | 0.33       | 0.042      | 11       | 30       | 0.77      | 272      | 0.134      | 2       | 1.91       | 0.017     | 0.15      | 0.1     | 0.03     | 3.9      | 0.1      | 0.0249    | 7        |
| 11MS0031  | 0.2      | 0.1      | 65      | 0.34       | 0.049      | 12       | 27       | 0.72      | 259      | 0.114      | 2       | 1.69       | 0.012     | 0.11      | 0.1     | 0.04     | 3.3      | 0.049    | 0.0249    | 6        |
| 11MS0030  | 0.3      | 0.1      | 71      | 0.28       | 0.039      | 10       | 25       | 0.8       | 234      | 0.143      | 0.49    | 2.01       | 0.017     | 0.13      | 0.1     | 0.02     | 2.9      | 0.1      | 0.0249    | 6        |
| 11MS0029  | 0.3      | 0.1      | 66      | 0.28       | 0.046      | 8        | 36       | 0.62      | 176      | 0.102      | 0.49    | 1.8        | 0.018     | 0.11      | 0.1     | 0.02     | 3        | 0.1      | 0.0249    | 6        |
| 11MS0028  | 0.2      | 0.1      | 61      | 0.49       | 0.06       | 9        | 46       | 0.86      | 222      | 0.118      | 1       | 1.82       | 0.022     | 0.26      | 0.049   | 0.02     | 3.8      | 0.2      | 0.0249    | 6        |
| 11MS0027  | 0.2      | 0.1      | 79      | 0.55       | 0.076      | 13       | 24       | 1.12      | 371      | 0.195      | 0.49    | 2.13       | 0.016     | 0.46      | 0.1     | 0.03     | 5        | 0.3      | 0.06      | 7        |
| 11MS0026  | 0.2      | 0.2      | 89      | 0.79       | 0.097      | 15       | 23       | 1.03      | 417      | 0.152      | 2       | 2          | 0.015     | 0.31      | 0.049   | 0.04     | 6        | 0.3      | 0.06      | 7        |
| 11MS0025  | 0.2      | 0.2      | 78      | 0.44       | 0.113      | 7        | 20       | 1.29      | 256      | 0.19       | 0.49    | 2.27       | 0.014     | 0.75      | 0.1     | 0.0049   | 3.8      | 0.5      | 0.0249    | 7        |
| 11MS0024  | 0.1      | 0.1      | 74      | 0.41       | 0.103      | 10       | 29       | 1.27      | 321      | 0.211      | 0.49    | 2.18       | 0.012     | 0.73      | 0.1     | 0.0049   | 3.7      | 0.4      | 0.0249    | 7        |
| 11MS0023  | 0.1      | 0.049    | 75      | 0.49       | 0.102      | 9        | 40       | 1.37      | 316      | 0.223      | 1       | 2.24       | 0.018     | 0.56      | 0.1     | 0.01     | 2.8      | 0.3      | 0.06      | 7        |
| 11MS0022  | 0.1      | 0.1      | 87      | 0.51       | 0.097      | 12       | 51       | 1.41      | 400      | 0.246      | 0.49    | 2.1        | 0.018     | 0.49      | 0.049   | 0.01     | 3.8      | 0.3      | 0.09      | 8        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11MS0021  | 0.1      | 0.049    | 75      | 0.67       | 0.143      | 16       | 71       | 1.6       | 388      | 0.225      | 0.49    | 2.06       | 0.017     | 0.31      | 0.1     | 0.02     | 3.2      | 0.2      | 0.08      | 7        |
| 11MS0020  | 0.2      | 0.049    | 75      | 0.76       | 0.143      | 20       | 68       | 1.37      | 448      | 0.194      | 0.49    | 2          | 0.018     | 0.21      | 0.049   | 0.03     | 4.1      | 0.2      | 0.09      | 7        |
| 11MS0019  | 0.2      | 0.049    | 76      | 0.75       | 0.112      | 14       | 40       | 1.2       | 445      | 0.199      | 1       | 2.07       | 0.017     | 0.29      | 0.1     | 0.04     | 3.9      | 0.2      | 0.09      | 7        |
| 11MS0018  | 0.2      | 0.1      | 97      | 0.59       | 0.123      | 8        | 21       | 1.23      | 405      | 0.266      | 0.49    | 2.71       | 0.017     | 0.87      | 0.049   | 0.01     | 3.8      | 0.3      | 0.06      | 8        |
| 11MS0017  | 0.2      | 0.1      | 71      | 0.81       | 0.124      | 16       | 27       | 1.02      | 377      | 0.114      | 1       | 2.15       | 0.015     | 0.3       | 0.1     | 0.07     | 5.6      | 0.1      | 0.08      | 7        |
| 11MS0016  | 0.2      | 0.1      | 95      | 0.67       | 0.104      | 18       | 25       | 1.33      | 375      | 0.17       | 0.49    | 2.4        | 0.021     | 0.62      | 0.1     | 0.04     | 9.4      | 0.2      | 0.06      | 8        |
| 11MS0015  | 0.1      | 0.1      | 86      | 0.51       | 0.125      | 7        | 11       | 1.15      | 350      | 0.289      | 2       | 2.51       | 0.013     | 1         | 0.1     | 0.01     | 3.1      | 0.4      | 0.06      | 7        |
| 11MS0014  | 0.1      | 0.049    | 79      | 0.35       | 0.084      | 6        | 13       | 1.19      | 305      | 0.221      | 0.49    | 2.13       | 0.015     | 1.01      | 0.2     | 0.0049   | 5.2      | 0.4      | 0.06      | 8        |
| 11MS0013  | 0.1      | 0.049    | 108     | 0.39       | 0.113      | 10       | 16       | 1.6       | 287      | 0.184      | 1       | 2.47       | 0.02      | 1         | 0.049   | 0.0049   | 8.3      | 0.3      | 0.0249    | 10       |
| 11MS0012  | 0.3      | 0.1      | 80      | 0.32       | 0.035      | 17       | 27       | 1.15      | 257      | 0.137      | 1       | 2.03       | 0.022     | 0.24      | 0.1     | 0.02     | 6.5      | 0.1      | 0.06      | 7        |
| 11MS0011  | 0.2      | 0.1      | 125     | 0.15       | 0.045      | 9        | 22       | 1.5       | 263      | 0.147      | 1       | 2.51       | 0.016     | 0.59      | 0.049   | 0.01     | 9.7      | 0.2      | 0.0249    | 9        |
| 11MS0010  | 0.2      | 0.049    | 66      | 0.2        | 0.045      | 12       | 18       | 1.08      | 264      | 0.139      | 0.49    | 1.87       | 0.011     | 0.56      | 0.049   | 0.01     | 9        | 0.2      | 0.0249    | 8        |
| 11MS0009  | 0.5      | 0.2      | 74      | 0.3        | 0.038      | 16       | 30       | 1.3       | 295      | 0.115      | 2       | 2.09       | 0.016     | 0.11      | 0.1     | 0.04     | 9.9      | 0.049    | 0.0249    | 8        |
| 11MS0008  | 0.5      | 0.2      | 64      | 0.21       | 0.028      | 11       | 36       | 1.1       | 290      | 0.149      | 0.49    | 2.21       | 0.013     | 0.36      | 0.1     | 0.02     | 6.7      | 0.2      | 0.07      | 7        |
| 11MS0007  | 0.4      | 0.3      | 65      | 0.24       | 0.033      | 11       | 27       | 0.6       | 459      | 0.101      | 2       | 1.94       | 0.015     | 0.17      | 0.1     | 0.03     | 3.9      | 0.1      | 0.08      | 6        |
| 11MS0006  | 0.6      | 2.5      | 48      | 0.09       | 0.07       | 21       | 13       | 0.74      | 249      | 0.135      | 1       | 1.7        | 0.072     | 0.7       | 0.049   | 0.01     | 6.9      | 0.4      | 0.54      | 7        |
| 11MS0005  | 0.3      | 0.1      | 85      | 0.44       | 0.133      | 30       | 29       | 2.09      | 386      | 0.144      | 0.49    | 2.39       | 0.02      | 0.48      | 0.2     | 0.01     | 11.6     | 0.2      | 0.0249    | 10       |
| 11MS0004  | 0.5      | 0.2      | 70      | 0.17       | 0.051      | 13       | 34       | 0.75      | 205      | 0.088      | 2       | 2.15       | 0.012     | 0.08      | 0.2     | 0.03     | 4.5      | 0.049    | 0.0249    | 7        |
| 11MS0003  | 0.4      | 0.2      | 78      | 0.22       | 0.065      | 9        | 37       | 1.02      | 196      | 0.131      | 2       | 2.42       | 0.014     | 0.2       | 0.2     | 0.02     | 4.1      | 0.1      | 0.0249    | 7        |
| 11MS0002  | 0.3      | 0.1      | 92      | 0.28       | 0.096      | 10       | 31       | 1.43      | 232      | 0.16       | 2       | 2.53       | 0.017     | 0.42      | 0.1     | 0.02     | 5.2      | 0.2      | 0.0249    | 9        |
| 11MS0001  | 0.3      | 0.2      | 82      | 0.2        | 0.068      | 10       | 32       | 0.89      | 168      | 0.135      | 2       | 2.28       | 0.014     | 0.18      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 8        |
| 11KJ0446  | 0.3      | 0.1      | 104     | 1.5        | 0.149      | 11       | 28       | 1.46      | 330      | 0.158      | 2       | 2.55       | 0.018     | 0.12      | 0.1     | 0.03     | 6.5      | 0.049    | 0.07      | 9        |
| 11KJ0445  | 0.5      | 0.2      | 67      | 0.25       | 0.047      | 11       | 36       | 0.53      | 265      | 0.063      | 1       | 2.05       | 0.014     | 0.04      | 0.2     | 0.03     | 3.7      | 0.049    | 0.0249    | 7        |
| 11KJ0444  | 0.7      | 0.1      | 69      | 0.26       | 0.077      | 17       | 32       | 0.62      | 373      | 0.047      | 1       | 2.13       | 0.012     | 0.07      | 0.1     | 0.02     | 6.3      | 0.049    | 0.0249    | 6        |
| 11KJ0443  | 0.5      | 0.049    | 61      | 0.12       | 0.12       | 13       | 36       | 0.57      | 126      | 0.052      | 1       | 1.97       | 0.011     | 0.16      | 0.049   | 0.02     | 6.1      | 0.049    | 0.0249    | 6        |
| 11KJ0442  | 0.3      | 0.1      | 59      | 0.11       | 0.049      | 13       | 21       | 0.48      | 192      | 0.134      | 1       | 1.55       | 0.01      | 0.24      | 0.1     | 0.03     | 5.2      | 0.1      | 0.0249    | 8        |
| 11KJ0441  | 0.2      | 0.1      | 105     | 0.12       | 0.071      | 12       | 41       | 0.96      | 289      | 0.251      | 1       | 2.32       | 0.009     | 0.64      | 0.1     | 0.01     | 10.8     | 0.2      | 0.07      | 10       |
| 11KJ0440  | 0.3      | 0.049    | 64      | 0.16       | 0.046      | 11       | 28       | 0.78      | 162      | 0.142      | 2       | 1.94       | 0.01      | 0.27      | 0.049   | 0.02     | 5.8      | 0.1      | 0.0249    | 6        |
| 11KJ0439  | 0.4      | 0.2      | 57      | 0.19       | 0.031      | 16       | 41       | 0.46      | 186      | 0.057      | 2       | 1.43       | 0.01      | 0.05      | 0.1     | 0.02     | 3.5      | 0.049    | 0.0249    | 5        |
| 11KJ0438  | 0.3      | 0.2      | 61      | 0.4        | 0.051      | 12       | 38       | 0.49      | 371      | 0.049      | 2       | 1.52       | 0.012     | 0.04      | 0.1     | 0.04     | 4.5      | 0.049    | 0.06      | 6        |
| 11KJ0437  | 0.2      | 0.049    | 115     | 1.03       | 0.173      | 16       | 20       | 0.66      | 241      | 0.07       | 0.49    | 2.1        | 0.041     | 0.1       | 0.049   | 0.0049   | 7.3      | 0.049    | 0.0249    | 9        |
| 11KJ0436  | 0.3      | 0.049    | 137     | 1.01       | 0.158      | 54       | 35       | 0.52      | 295      | 0.063      | 0.49    | 3.05       | 0.039     | 0.07      | 0.049   | 0.23     | 18.5     | 0.049    | 0.05      | 11       |
| 11KJ0435  | 0.5      | 0.1      | 81      | 0.36       | 0.086      | 10       | 32       | 0.78      | 247      | 0.078      | 0.49    | 2.24       | 0.014     | 0.07      | 0.1     | 0.0049   | 4        | 0.049    | 0.0249    | 8        |
| 11KJ0434  | 0.7      | 0.2      | 75      | 0.23       | 0.037      | 8        | 36       | 0.6       | 165      | 0.092      | 0.49    | 2.25       | 0.01      | 0.09      | 0.1     | 0.01     | 3.6      | 0.049    | 0.0249    | 7        |
| 11KJ0433  | 0.5      | 0.1      | 81      | 0.54       | 0.093      | 7        | 34       | 0.83      | 222      | 0.076      | 1       | 2.23       | 0.016     | 0.09      | 0.1     | 0.0049   | 4.6      | 0.049    | 0.0249    | 8        |
| 11KJ0432  | 0.3      | 0.049    | 77      | 0.59       | 0.16       | 7        | 25       | 1.06      | 211      | 0.1        | 1       | 2.41       | 0.024     | 0.06      | 0.049   | 0.0049   | 4.3      | 0.049    | 0.0249    | 9        |
| 11KJ0431  | 0.2      | 0.049    | 98      | 0.88       | 0.29       | 3        | 15       | 1.63      | 233      | 0.194      | 0.49    | 2.71       | 0.03      | 0.47      | 0.049   | 0.0049   | 3.2      | 0.2      | 0.0249    | 11       |
| 11KJ0430  | 0.3      | 0.049    | 113     | 0.95       | 0.344      | 7        | 11       | 1.62      | 232      | 0.02       | 0.49    | 2.81       | 0.016     | 0.05      | 0.049   | 0.0049   | 10.3     | 0.049    | 0.0249    | 13       |
| 11KJ0429  | 0.4      | 0.1      | 93      | 0.45       | 0.117      | 7        | 28       | 1.11      | 334      | 0.095      | 1       | 2.67       | 0.021     | 0.06      | 0.1     | 0.0049   | 4.5      | 0.049    | 0.0249    | 9        |
| 11KJ0428  | 0.4      | 0.049    | 106     | 0.69       | 0.152      | 6        | 21       | 1.41      | 204      | 0.071      | 0.49    | 2.53       | 0.013     | 0.08      | 0.049   | 0.0049   | 5.3      | 0.049    | 0.0249    | 10       |
| 11KJ0427  | 0.4      | 0.049    | 92      | 1.04       | 0.26       | 4        | 20       | 1.48      | 208      | 0.069      | 0.49    | 2.41       | 0.028     | 0.11      | 0.049   | 0.01     | 6.5      | 0.049    | 0.0249    | 10       |
| 11KJ0426  | 0.9      | 0.1      | 86      | 0.65       | 0.13       | 15       | 25       | 0.98      | 387      | 0.04       | 0.49    | 2.1        | 0.016     | 0.08      | 0.2     | 0.02     | 8.2      | 0.049    | 0.0249    | 8        |
| 11KJ0425  | 0.6      | 0.2      | 76      | 1.57       | 0.177      | 23       | 30       | 1         | 511      | 0.046      | 2       | 1.63       | 0.026     | 0.08      | 0.1     | 0.05     | 7.2      | 0.049    | 0.0249    | 6        |
| 11KJ0424  | 0.7      | 0.049    | 64      | 1.15       | 0.155      | 26       | 25       | 0.77      | 923      | 0.031      | 0.49    | 1.48       | 0.017     | 0.09      | 0.1     | 0.03     | 7.6      | 0.049    | 0.0249    | 5        |
| 11KJ0423  | 0.7      | 0.1      | 48      | 1.73       | 0.096      | 16       | 25       | 0.56      | 659      | 0.04       | 1       | 1.11       | 0.025     | 0.08      | 0.2     | 0.03     | 5.6      | 0.049    | 0.0249    | 3        |
| 11KJ0422  | 0.6      | 0.049    | 54      | 0.8        | 0.087      | 16       | 21       | 0.37      | 1315     | 0.011      | 1       | 1.12       | 0.008     | 0.14      | 0.2     | 0.02     | 9.9      | 0.049    | 0.0249    | 3        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11KJ0419  | 0.5      | 0.2      | 74      | 0.19       | 0.034      | 12       | 34       | 0.37      | 310      | 0.049      | 0.49    | 1.69       | 0.007     | 0.05      | 0.1     | 0.01     | 3.2      | 0.049    | 0.0249    | 6        |
| 11KJ0418  | 0.4      | 0.049    | 44      | 0.4        | 0.072      | 12       | 16       | 0.32      | 956      | 0.014      | 1       | 1.1        | 0.01      | 0.09      | 0.049   | 0.01     | 5        | 0.049    | 0.0249    | 3        |
| 11KJ0417  | 0.4      | 0.2      | 63      | 0.31       | 0.031      | 9        | 19       | 0.33      | 505      | 0.031      | 0.49    | 1.12       | 0.009     | 0.07      | 0.1     | 0.0049   | 2.1      | 0.049    | 0.0249    | 5        |
| 11KJ0416  | 0.5      | 0.1      | 81      | 0.54       | 0.047      | 16       | 74       | 1.48      | 503      | 0.039      | 2       | 2.2        | 0.021     | 0.11      | 0.1     | 0.02     | 6.7      | 0.049    | 0.0249    | 8        |
| 11KJ0415  | 0.4      | 0.1      | 72      | 0.45       | 0.056      | 9        | 24       | 0.78      | 473      | 0.021      | 1       | 2.05       | 0.011     | 0.1       | 0.1     | 0.01     | 5.4      | 0.049    | 0.0249    | 7        |
| 11KJ0414  | 0.9      | 0.1      | 70      | 0.38       | 0.05       | 13       | 33       | 0.59      | 375      | 0.029      | 1       | 1.65       | 0.011     | 0.1       | 0.2     | 0.02     | 4.9      | 0.049    | 0.0249    | 6        |
| 11KJ0413  | 0.5      | 0.1      | 71      | 0.65       | 0.077      | 13       | 23       | 0.63      | 482      | 0.026      | 1       | 1.71       | 0.013     | 0.07      | 0.1     | 0.02     | 7        | 0.049    | 0.0249    | 6        |
| 11KJ0412  | 0.4      | 0.1      | 77      | 0.51       | 0.079      | 11       | 22       | 0.92      | 434      | 0.029      | 0.49    | 2.1        | 0.014     | 0.07      | 0.049   | 0.02     | 7        | 0.049    | 0.0249    | 7        |
| 11KJ0410  | 0.5      | 0.2      | 68      | 0.47       | 0.042      | 12       | 25       | 0.46      | 404      | 0.033      | 0.49    | 1.65       | 0.011     | 0.04      | 0.1     | 0.02     | 4.4      | 0.049    | 0.0249    | 6        |
| 11KJ0409  | 0.6      | 0.1      | 66      | 0.29       | 0.087      | 21       | 27       | 0.58      | 440      | 0.022      | 1       | 2.12       | 0.009     | 0.09      | 0.2     | 0.02     | 8.1      | 0.049    | 0.0249    | 6        |
| 11KJ0408  | 0.5      | 0.1      | 46      | 0.35       | 0.063      | 14       | 25       | 0.47      | 356      | 0.046      | 1       | 1.35       | 0.013     | 0.05      | 0.1     | 0.02     | 4        | 0.049    | 0.0249    | 4        |
| 11KJ0407  | 0.5      | 0.1      | 49      | 0.66       | 0.093      | 11       | 40       | 0.37      | 1032     | 0.015      | 2       | 1.24       | 0.012     | 0.1       | 0.1     | 0.05     | 6.5      | 0.049    | 0.0249    | 4        |
| 11KJ0406  | 0.4      | 0.1      | 64      | 0.36       | 0.065      | 16       | 31       | 0.68      | 438      | 0.038      | 0.49    | 2.11       | 0.013     | 0.05      | 0.049   | 0.01     | 4.4      | 0.049    | 0.0249    | 6        |
| 11KJ0405  | 0.6      | 0.1      | 66      | 0.16       | 0.037      | 12       | 28       | 0.55      | 241      | 0.033      | 1       | 1.89       | 0.009     | 0.05      | 0.1     | 0.02     | 4.5      | 0.049    | 0.0249    | 7        |
| 11KJ0404  | 0.6      | 0.2      | 64      | 0.17       | 0.037      | 11       | 26       | 0.48      | 376      | 0.037      | 1       | 1.74       | 0.011     | 0.06      | 0.049   | 0.02     | 3.2      | 0.049    | 0.0249    | 6        |
| 11KJ0403  | 1.1      | 0.1      | 54      | 0.34       | 0.047      | 21       | 29       | 0.43      | 497      | 0.035      | 1       | 1.5        | 0.011     | 0.06      | 0.1     | 0.05     | 5.5      | 0.049    | 0.0249    | 4        |
| 11KJ0402  | 0.5      | 0.1      | 63      | 0.48       | 0.096      | 17       | 22       | 0.55      | 457      | 0.024      | 0.49    | 1.8        | 0.01      | 0.05      | 0.1     | 0.02     | 4.7      | 0.049    | 0.0249    | 6        |
| 11KJ0401  | 0.5      | 0.1      | 89      | 0.58       | 0.131      | 13       | 20       | 0.92      | 232      | 0.05       | 0.49    | 2.2        | 0.019     | 0.03      | 0.049   | 0.01     | 5.2      | 0.049    | 0.0249    | 9        |
| 11KJ0400  | 0.4      | 0.1      | 55      | 0.28       | 0.027      | 11       | 26       | 0.5       | 203      | 0.067      | 1       | 1.48       | 0.013     | 0.03      | 0.1     | 0.02     | 3.1      | 0.049    | 0.0249    | 5        |
| 11KJ0329  | 0.3      | 0.2      | 61      | 0.15       | 0.017      | 10       | 20       | 0.29      | 120      | 0.062      | 0.49    | 1.31       | 0.007     | 0.04      | 0.049   | 0.02     | 1.9      | 0.1      | 0.0249    | 7        |
| 11KJ0328  | 0.7      | 0.3      | 68      | 0.17       | 0.041      | 16       | 43       | 0.55      | 302      | 0.078      | 1       | 2.42       | 0.013     | 0.06      | 0.2     | 0.06     | 5.2      | 0.049    | 0.0249    | 6        |
| 11KJ0327  | 0.4      | 0.5      | 60      | 0.24       | 0.075      | 13       | 24       | 0.42      | 299      | 0.047      | 1       | 1.95       | 0.008     | 0.15      | 0.049   | 0.02     | 3        | 0.1      | 0.0249    | 7        |
| 11KJ0326  | 0.3      | 0.6      | 63      | 0.21       | 0.023      | 27       | 41       | 0.91      | 399      | 0.151      | 0.49    | 2.72       | 0.014     | 0.31      | 0.1     | 0.02     | 3.7      | 0.2      | 0.0249    | 7        |
| 11KJ0325  | 0.3      | 1        | 53      | 0.21       | 0.064      | 20       | 22       | 0.78      | 314      | 0.068      | 0.49    | 2.5        | 0.021     | 0.24      | 0.049   | 0.02     | 3.5      | 0.2      | 0.09      | 8        |
| 11KJ0324  | 0.2      | 2.2      | 87      | 0.37       | 0.102      | 23       | 52       | 1.32      | 359      | 0.134      | 0.49    | 2.83       | 0.013     | 0.45      | 0.049   | 0.0049   | 6.8      | 0.4      | 0.0249    | 9        |
| 11KJ0323  | 0.2      | 0.4      | 111     | 1.04       | 0.242      | 13       | 24       | 1.59      | 624      | 0.2        | 1       | 3.28       | 0.031     | 0.4       | 0.049   | 0.01     | 6.7      | 0.3      | 0.0249    | 10       |
| 11KJ0322  | 0.3      | 0.2      | 73      | 0.49       | 0.04       | 14       | 27       | 0.74      | 399      | 0.14       | 1       | 2.13       | 0.013     | 0.08      | 0.1     | 0.04     | 3.2      | 0.1      | 0.0249    | 7        |
| 11KJ0321  | 0.2      | 0.049    | 90      | 0.28       | 0.032      | 6        | 18       | 1.49      | 218      | 0.201      | 0.49    | 2.93       | 0.009     | 0.5       | 0.1     | 0.0049   | 4.7      | 0.3      | 0.0249    | 9        |
| 11KJ0320  | 0.2      | 0.1      | 83      | 0.47       | 0.061      | 8        | 21       | 1.21      | 204      | 0.141      | 0.49    | 2.4        | 0.012     | 0.19      | 0.1     | 0.0049   | 4.3      | 0.1      | 0.0249    | 7        |
| 11KJ0319  | 0.3      | 0.049    | 80      | 0.49       | 0.034      | 9        | 21       | 1.09      | 332      | 0.226      | 0.49    | 2.18       | 0.016     | 0.23      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 7        |
| 11KJ0318  | 0.3      | 0.2      | 78      | 0.39       | 0.02       | 7        | 21       | 0.63      | 206      | 0.159      | 2       | 1.75       | 0.016     | 0.15      | 0.1     | 0.0049   | 3.2      | 0.1      | 0.0249    | 7        |
| 11KJ0317  | 0.2      | 0.1      | 73      | 0.39       | 0.033      | 7        | 19       | 1.11      | 200      | 0.209      | 0.49    | 2.3        | 0.013     | 0.19      | 0.1     | 0.0049   | 3        | 0.1      | 0.0249    | 7        |
| 11KJ0316  | 0.2      | 0.049    | 82      | 0.56       | 0.064      | 9        | 19       | 1.29      | 291      | 0.239      | 0.49    | 2.38       | 0.017     | 0.36      | 0.1     | 0.01     | 3.1      | 0.2      | 0.0249    | 7        |
| 11KJ0315  | 0.2      | 0.049    | 84      | 0.38       | 0.037      | 6        | 22       | 1.03      | 185      | 0.214      | 0.49    | 2.35       | 0.013     | 0.25      | 0.1     | 0.01     | 3.1      | 0.2      | 0.0249    | 7        |
| 11KJ0313  | 0.3      | 0.2      | 55      | 0.5        | 0.037      | 21       | 24       | 0.52      | 347      | 0.08       | 0.49    | 1.74       | 0.011     | 0.09      | 0.2     | 0.03     | 3.2      | 0.1      | 0.0249    | 6        |
| 11KJ0311  | 0.3      | 0.3      | 59      | 0.28       | 0.03       | 17       | 27       | 0.47      | 350      | 0.06       | 2       | 1.91       | 0.013     | 0.09      | 0.1     | 0.0049   | 3.2      | 0.1      | 0.0249    | 6        |
| 11KJ0305  | 0.3      | 0.3      | 52      | 0.48       | 0.04       | 23       | 26       | 0.56      | 282      | 0.079      | 1       | 1.75       | 0.011     | 0.09      | 0.1     | 0.03     | 3.8      | 0.1      | 0.0249    | 5        |
| 11KJ0303  | 0.8      | 0.5      | 74      | 0.99       | 0.297      | 57       | 170      | 1.22      | 789      | 0.083      | 3       | 2.33       | 0.01      | 0.1       | 0.049   | 0.05     | 9.5      | 0.1      | 0.0249    | 6        |
| 11KJ0300  | 0.4      | 0.3      | 67      | 0.2        | 0.023      | 12       | 24       | 0.51      | 203      | 0.058      | 1       | 1.71       | 0.008     | 0.08      | 0.049   | 0.01     | 2.8      | 0.1      | 0.0249    | 7        |
| 11KJ0299  | 0.3      | 0.3      | 48      | 0.23       | 0.047      | 16       | 18       | 0.37      | 277      | 0.028      | 0.49    | 1.7        | 0.007     | 0.11      | 0.049   | 0.01     | 2.4      | 0.1      | 0.0249    | 6        |
| 11KJ0298  | 0.2      | 0.5      | 52      | 0.26       | 0.035      | 18       | 14       | 0.63      | 378      | 0.079      | 0.49    | 2.07       | 0.009     | 0.3       | 0.049   | 0.02     | 3.2      | 0.2      | 0.0249    | 7        |
| 11KJ0297  | 0.2      | 0.4      | 60      | 0.25       | 0.039      | 15       | 24       | 0.53      | 300      | 0.095      | 0.49    | 1.69       | 0.011     | 0.2       | 0.049   | 0.02     | 3        | 0.2      | 0.0249    | 7        |
| 11KJ0296  | 0.1      | 0.2      | 75      | 0.6        | 0.078      | 11       | 19       | 1.53      | 398      | 0.19       | 0.49    | 2.95       | 0.01      | 0.58      | 0.1     | 0.01     | 3.5      | 0.4      | 0.0249    | 8        |
| 11KJ0295  | 0.2      | 0.2      | 80      | 0.42       | 0.039      | 7        | 23       | 1.01      | 264      | 0.156      | 0.49    | 2.08       | 0.018     | 0.17      | 0.1     | 0.0049   | 3.1      | 0.1      | 0.0249    | 7        |
| 11KJ0294  | 0.3      | 0.049    | 127     | 0.44       | 0.077      | 9        | 31       | 1.48      | 370      | 0.197      | 0.49    | 2.93       | 0.012     | 0.76      | 0.1     | 0.0049   | 9.4      | 0.4      | 0.0249    | 9        |
| 11KJ0293  | 0.1      | 0.1      | 113     | 0.43       | 0.062      | 7        | 27       | 1.39      | 351      | 0.258      | 0.49    | 2.99       | 0.013     | 0.66      | 0.1     | 0.0049   | 6.6      | 0.3      | 0.0249    | 10       |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11KJ0291  | 0.2      | 0.1      | 79      | 0.75       | 0.066      | 15       | 26       | 0.96      | 293      | 0.148      | 2       | 2.29       | 0.017     | 0.23      | 0.1     | 0.03     | 5.4      | 0.1      | 0.0249    | 7        |
| 11KJ0284  | 0.3      | 0.3      | 67      | 0.26       | 0.055      | 12       | 24       | 0.71      | 218      | 0.13       | 0.49    | 2.23       | 0.01      | 0.2       | 0.1     | 0.04     | 3.5      | 0.2      | 0.0249    | 6        |
| 11KJ0283  | 0.3      | 0.3      | 60      | 0.48       | 0.06       | 26       | 17       | 0.95      | 361      | 0.104      | 2       | 2.45       | 0.006     | 0.33      | 0.2     | 0.02     | 3        | 0.4      | 0.0249    | 6        |
| 11KJ0282  | 0.4      | 0.3      | 54      | 0.19       | 0.034      | 13       | 31       | 0.55      | 240      | 0.072      | 0.49    | 2.59       | 0.01      | 0.11      | 0.1     | 0.06     | 3.6      | 0.2      | 0.0249    | 5        |
| 11KJ0280  | 0.5      | 0.7      | 65      | 0.18       | 0.033      | 16       | 31       | 0.51      | 397      | 0.054      | 1       | 2.17       | 0.009     | 0.09      | 0.1     | 0.03     | 3.3      | 0.049    | 0.0249    | 6        |
| 11KJ0279  | 0.6      | 0.3      | 74      | 0.15       | 0.016      | 10       | 40       | 0.58      | 389      | 0.081      | 0.49    | 2.67       | 0.012     | 0.07      | 0.1     | 0.03     | 3.9      | 0.049    | 0.0249    | 6        |
| 11KJ0278  | 0.6      | 0.3      | 73      | 0.16       | 0.02       | 13       | 36       | 0.47      | 374      | 0.067      | 1       | 2.3        | 0.01      | 0.08      | 0.1     | 0.02     | 3.3      | 0.049    | 0.0249    | 6        |
| 11KJ0277  | 0.6      | 0.5      | 47      | 0.23       | 0.019      | 16       | 25       | 0.42      | 270      | 0.037      | 1       | 2.22       | 0.008     | 0.12      | 0.049   | 0.02     | 3.5      | 0.2      | 0.0249    | 5        |
| 11KJ0274  | 0.3      | 0.4      | 64      | 0.25       | 0.022      | 20       | 31       | 0.68      | 280      | 0.064      | 0.49    | 2.42       | 0.013     | 0.16      | 0.1     | 0.01     | 5.6      | 0.2      | 0.0249    | 6        |
| 11KJ0272  | 0.5      | 0.4      | 56      | 0.17       | 0.021      | 19       | 32       | 0.44      | 223      | 0.067      | 0.49    | 1.77       | 0.01      | 0.11      | 0.1     | 0.01     | 3.1      | 0.049    | 0.0249    | 5        |
| 11KJ0271  | 0.4      | 0.3      | 62      | 0.15       | 0.017      | 12       | 32       | 0.45      | 227      | 0.078      | 0.49    | 1.93       | 0.012     | 0.08      | 0.2     | 0.02     | 3.1      | 0.049    | 0.0249    | 6        |
| 11KJ0270  | 0.5      | 0.2      | 64      | 0.22       | 0.024      | 15       | 33       | 0.41      | 288      | 0.072      | 2       | 1.79       | 0.011     | 0.07      | 0.1     | 0.01     | 3.4      | 0.049    | 0.0249    | 6        |
| 11KJ0269  | 0.3      | 0.2      | 53      | 0.26       | 0.021      | 13       | 22       | 0.38      | 341      | 0.048      | 0.49    | 1.29       | 0.013     | 0.1       | 0.1     | 0.0049   | 2.8      | 0.049    | 0.0249    | 5        |
| 11KJ0268  | 0.3      | 0.2      | 45      | 0.24       | 0.02       | 8        | 15       | 0.61      | 184      | 0.147      | 0.49    | 1.79       | 0.012     | 0.4       | 0.1     | 0.02     | 3.2      | 0.2      | 0.0249    | 7        |
| 11KJ0267  | 0.3      | 0.2      | 38      | 0.1        | 0.014      | 12       | 18       | 0.52      | 177      | 0.07       | 0.49    | 1.92       | 0.008     | 0.28      | 0.049   | 0.01     | 3.3      | 0.2      | 0.0249    | 6        |
| 11KJ0266  | 0.2      | 0.2      | 67      | 0.34       | 0.025      | 7        | 29       | 1.15      | 255      | 0.141      | 0.49    | 2.27       | 0.013     | 0.27      | 0.049   | 0.0049   | 3.7      | 0.2      | 0.0249    | 8        |
| 11KJ0264  | 0.4      | 0.3      | 66      | 0.17       | 0.04       | 13       | 30       | 0.51      | 223      | 0.065      | 0.49    | 2.24       | 0.01      | 0.08      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 8        |
| 11KJ0259  | 0.4      | 0.3      | 50      | 0.15       | 0.034      | 12       | 26       | 0.42      | 211      | 0.045      | 1       | 1.8        | 0.009     | 0.07      | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 5        |
| 11KJ0258  | 0.4      | 0.3      | 48      | 0.2        | 0.045      | 17       | 21       | 0.33      | 311      | 0.032      | 16      | 1.65       | 0.01      | 0.07      | 0.1     | 0.02     | 2.8      | 0.1      | 0.0249    | 6        |
| 11KJ0256  | 0.7      | 0.2      | 62      | 0.12       | 0.038      | 10       | 32       | 0.46      | 269      | 0.053      | 2       | 2.27       | 0.01      | 0.07      | 0.1     | 0.03     | 3.3      | 0.1      | 0.0249    | 6        |
| 11KJ0255  | 0.6      | 0.3      | 48      | 0.08       | 0.032      | 15       | 22       | 0.26      | 251      | 0.019      | 0.49    | 1.94       | 0.01      | 0.11      | 0.1     | 0.03     | 2.5      | 0.1      | 0.0249    | 6        |
| 11KJ0254  | 4.7      | 0.8      | 53      | 0.14       | 0.028      | 13       | 24       | 0.36      | 331      | 0.021      | 0.49    | 2.24       | 0.007     | 0.11      | 0.2     | 0.02     | 2.9      | 0.1      | 0.0249    | 7        |
| 11KJ0252  | 0.7      | 0.3      | 68      | 0.16       | 0.023      | 10       | 38       | 0.56      | 416      | 0.065      | 1       | 2.69       | 0.01      | 0.09      | 0.1     | 0.04     | 3.6      | 0.049    | 0.0249    | 6        |
| 11KJ0251  | 0.6      | 0.3      | 61      | 0.18       | 0.015      | 18       | 37       | 0.54      | 537      | 0.059      | 1       | 2.24       | 0.015     | 0.07      | 0.1     | 0.03     | 5.4      | 0.1      | 0.0249    | 6        |
| 11KJ0250  | 0.5      | 0.4      | 67      | 0.14       | 0.032      | 11       | 33       | 0.5       | 311      | 0.049      | 1       | 2.23       | 0.012     | 0.09      | 0.1     | 0.02     | 3.2      | 0.1      | 0.0249    | 7        |
| 11KJ0249  | 0.3      | 0.2      | 40      | 0.18       | 0.034      | 26       | 21       | 0.52      | 291      | 0.085      | 0.49    | 1.98       | 0.012     | 0.28      | 0.049   | 0.01     | 3.4      | 0.2      | 0.0249    | 6        |
| 11KJ0248  | 0.3      | 0.3      | 36      | 0.15       | 0.022      | 16       | 18       | 0.51      | 212      | 0.047      | 0.49    | 1.97       | 0.01      | 0.21      | 0.049   | 0.01     | 2.4      | 0.1      | 0.0249    | 6        |
| 11KJ0247  | 0.1      | 0.3      | 28      | 0.22       | 0.036      | 16       | 8        | 0.62      | 281      | 0.138      | 0.49    | 2.17       | 0.012     | 0.45      | 0.049   | 0.01     | 2.6      | 0.4      | 0.0249    | 7        |
| 11KJ0246  | 0.4      | 1.4      | 52      | 0.14       | 0.033      | 15       | 21       | 0.87      | 264      | 0.114      | 1       | 3.08       | 0.012     | 0.57      | 0.2     | 0.02     | 3.9      | 0.6      | 0.0249    | 8        |
| 11KJ0245  | 0.4      | 0.2      | 60      | 0.18       | 0.016      | 9        | 32       | 0.59      | 189      | 0.09       | 1       | 2.08       | 0.012     | 0.11      | 0.1     | 0.02     | 3.2      | 0.1      | 0.0249    | 6        |
| 11KJ0243  | 0.5      | 0.2      | 63      | 0.28       | 0.045      | 27       | 43       | 0.64      | 678      | 0.079      | 1       | 2.13       | 0.018     | 0.07      | 0.2     | 0.06     | 6.9      | 0.1      | 0.0249    | 6        |
| 11KJ0236  | 0.5      | 0.2      | 59      | 0.18       | 0.027      | 16       | 33       | 0.55      | 380      | 0.067      | 1       | 2.18       | 0.011     | 0.1       | 0.1     | 0.03     | 5.1      | 0.1      | 0.0249    | 5        |
| 11KJ0235  | 0.6      | 0.3      | 61      | 0.12       | 0.025      | 12       | 34       | 0.47      | 320      | 0.055      | 2       | 2.2        | 0.015     | 0.07      | 0.1     | 0.04     | 3.8      | 0.1      | 0.0249    | 6        |
| 11KJ0234  | 0.6      | 0.4      | 63      | 0.15       | 0.027      | 14       | 30       | 0.47      | 471      | 0.038      | 2       | 2.15       | 0.009     | 0.08      | 0.1     | 0.03     | 3.9      | 0.1      | 0.0249    | 7        |
| 11KJ0233  | 0.6      | 0.4      | 49      | 0.17       | 0.019      | 14       | 26       | 0.47      | 351      | 0.046      | 2       | 1.66       | 0.018     | 0.09      | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 5        |
| 11KJ0232  | 0.5      | 0.4      | 62      | 0.18       | 0.025      | 15       | 32       | 0.52      | 419      | 0.053      | 1       | 2.17       | 0.014     | 0.09      | 0.1     | 0.03     | 4.4      | 0.1      | 0.0249    | 6        |
| 11KJ0231  | 0.5      | 0.5      | 62      | 0.14       | 0.027      | 13       | 32       | 0.49      | 392      | 0.042      | 2       | 2.24       | 0.011     | 0.09      | 0.1     | 0.03     | 3.8      | 0.1      | 0.0249    | 6        |
| 11KJ0230  | 0.5      | 0.4      | 62      | 0.33       | 0.062      | 28       | 52       | 0.56      | 1287     | 0.039      | 2       | 2.85       | 0.011     | 0.12      | 0.1     | 0.07     | 7.1      | 0.2      | 0.0249    | 8        |
| 11KJ0229  | 0.5      | 0.4      | 55      | 0.32       | 0.046      | 19       | 35       | 0.48      | 681      | 0.048      | 2       | 1.95       | 0.014     | 0.11      | 0.1     | 0.04     | 4.5      | 0.1      | 0.0249    | 6        |
| 11KJ0228  | 0.4      | 0.6      | 56      | 0.29       | 0.035      | 18       | 36       | 0.52      | 510      | 0.054      | 2       | 1.99       | 0.012     | 0.09      | 0.1     | 0.03     | 4.4      | 0.1      | 0.0249    | 6        |
| 11KJ0227  | 0.5      | 0.2      | 54      | 0.54       | 0.066      | 24       | 40       | 0.51      | 770      | 0.053      | 2       | 2.06       | 0.016     | 0.12      | 0.1     | 0.04     | 5        | 0.1      | 0.0249    | 6        |
| 11KJ0226  | 0.3      | 0.1      | 37      | 0.29       | 0.05       | 28       | 21       | 0.43      | 352      | 0.075      | 0.49    | 1.34       | 0.013     | 0.17      | 0.1     | 0.01     | 3        | 0.1      | 0.0249    | 5        |
| 11KJ0218  | 0.3      | 0.049    | 54      | 0.39       | 0.086      | 15       | 28       | 0.64      | 248      | 0.088      | 1       | 1.58       | 0.015     | 0.27      | 0.049   | 0.0049   | 5.1      | 0.1      | 0.0249    | 6        |
| 11KJ0217  | 0.4      | 0.1      | 53      | 0.24       | 0.018      | 25       | 33       | 0.59      | 270      | 0.083      | 0.49    | 1.96       | 0.015     | 0.09      | 0.049   | 0.02     | 5.1      | 0.1      | 0.0249    | 5        |
| 11KJ0216  | 0.5      | 0.2      | 65      | 0.16       | 0.04       | 12       | 39       | 0.65      | 195      | 0.077      | 1       | 2.5        | 0.012     | 0.1       | 0.1     | 0.01     | 4.1      | 0.1      | 0.0249    | 7        |
| 11KJ0215  | 0.4      | 0.1      | 64      | 0.15       | 0.043      | 13       | 38       | 0.55      | 193      | 0.072      | 0.49    | 2.38       | 0.009     | 0.09      | 0.1     | 0.02     | 3.8      | 0.1      | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11KJ0214  | 0.4      | 0.1      | 54      | 0.2        | 0.026      | 22       | 42       | 0.6       | 214      | 0.072      | 0.49    | 2.13       | 0.011     | 0.08      | 0.1     | 0.0049   | 4.8      | 0.1      | 0.0249    | 6        |
| 11KJ0213  | 0.4      | 0.2      | 62      | 0.17       | 0.046      | 14       | 32       | 0.56      | 200      | 0.073      | 0.49    | 2.12       | 0.009     | 0.1       | 0.1     | 0.01     | 3.6      | 0.1      | 0.0249    | 7        |
| 11KJ0212  | 0.2      | 0.049    | 24      | 0.28       | 0.024      | 24       | 9        | 0.52      | 233      | 0.026      | 0.49    | 2.18       | 0.006     | 0.23      | 0.049   | 0.02     | 2.4      | 0.2      | 0.0249    | 6        |
| 11KJ0211  | 0.3      | 0.049    | 45      | 0.21       | 0.027      | 27       | 21       | 0.56      | 321      | 0.099      | 0.49    | 1.86       | 0.01      | 0.24      | 0.049   | 0.0049   | 3.7      | 0.2      | 0.0249    | 6        |
| 11KJ0210  | 1.4      | 0.1      | 44      | 0.28       | 0.052      | 30       | 28       | 0.44      | 713      | 0.049      | 0.49    | 1.41       | 0.01      | 0.09      | 0.1     | 0.01     | 3.3      | 0.049    | 0.0249    | 4        |
| 11KJ0209  | 0.9      | 0.2      | 51      | 0.23       | 0.039      | 20       | 28       | 0.45      | 453      | 0.057      | 0.49    | 1.95       | 0.012     | 0.08      | 0.049   | 0.0049   | 3.9      | 0.1      | 0.0249    | 5        |
| 11KJ0208  | 0.5      | 0.1      | 67      | 0.25       | 0.023      | 18       | 40       | 0.62      | 268      | 0.098      | 1       | 2.14       | 0.014     | 0.06      | 0.1     | 0.02     | 5.6      | 0.1      | 0.0249    | 6        |
| 11KJ0207  | 0.5      | 0.2      | 79      | 0.25       | 0.053      | 11       | 35       | 0.65      | 223      | 0.081      | 1       | 2.38       | 0.012     | 0.06      | 0.1     | 0.03     | 4.1      | 0.1      | 0.0249    | 7        |
| 11KJ0206  | 0.5      | 0.049    | 38      | 0.1        | 0.028      | 27       | 22       | 0.82      | 355      | 0.011      | 0.49    | 2.46       | 0.006     | 0.11      | 0.049   | 0.0049   | 4.4      | 0.1      | 0.0249    | 6        |
| 11KJ0205  | 0.8      | 0.2      | 35      | 0.19       | 0.042      | 21       | 13       | 0.17      | 185      | 0.027      | 0.49    | 0.97       | 0.008     | 0.08      | 0.049   | 0.01     | 1.4      | 0.1      | 0.0249    | 5        |
| 11KJ0204  | 0.6      | 0.1      | 49      | 0.17       | 0.031      | 21       | 25       | 0.44      | 206      | 0.05       | 0.49    | 1.89       | 0.011     | 0.1       | 0.049   | 0.0049   | 2.9      | 0.1      | 0.0249    | 5        |
| 11KJ0203  | 0.5      | 0.1      | 58      | 0.17       | 0.02       | 12       | 32       | 0.54      | 238      | 0.074      | 0.49    | 1.99       | 0.011     | 0.08      | 0.049   | 0.02     | 3.1      | 0.049    | 0.0249    | 6        |
| 11KJ0202  | 0.2      | 0.1      | 68      | 0.26       | 0.065      | 13       | 48       | 0.95      | 220      | 0.097      | 0.49    | 2.27       | 0.012     | 0.13      | 0.049   | 0.01     | 4.1      | 0.1      | 0.0249    | 8        |
| 11KJ0201  | 0.4      | 0.049    | 53      | 0.25       | 0.027      | 19       | 33       | 0.63      | 500      | 0.068      | 0.49    | 1.92       | 0.011     | 0.07      | 0.2     | 0.02     | 4.1      | 0.049    | 0.0249    | 5        |
| 11KJ0200  | 0.5      | 0.1      | 75      | 0.24       | 0.044      | 13       | 47       | 0.87      | 395      | 0.098      | 1       | 2.59       | 0.011     | 0.23      | 0.049   | 0.02     | 5.1      | 0.1      | 0.0249    | 8        |
| 11KJ0199  | 0.4      | 0.2      | 71      | 0.19       | 0.021      | 14       | 43       | 0.65      | 232      | 0.095      | 2       | 2.56       | 0.015     | 0.06      | 0.049   | 0.01     | 4.5      | 0.1      | 0.0249    | 7        |
| 11KJ0198  | 0.6      | 0.2      | 69      | 0.22       | 0.027      | 29       | 49       | 0.66      | 507      | 0.072      | 0.49    | 2.4        | 0.012     | 0.06      | 0.1     | 0.04     | 7.7      | 0.1      | 0.0249    | 6        |
| 11KJ0197  | 0.4      | 0.1      | 58      | 0.18       | 0.023      | 17       | 33       | 0.59      | 236      | 0.072      | 0.49    | 2.43       | 0.011     | 0.07      | 0.049   | 0.01     | 4        | 0.1      | 0.0249    | 6        |
| 11KJ0196  | 0.5      | 0.2      | 73      | 0.21       | 0.02       | 12       | 44       | 0.71      | 273      | 0.1        | 0.49    | 2.73       | 0.015     | 0.07      | 0.049   | 0.01     | 4.5      | 0.049    | 0.0249    | 6        |
| 11KJ0195  | 0.5      | 0.2      | 57      | 0.2        | 0.03       | 17       | 33       | 0.52      | 328      | 0.063      | 2       | 2.21       | 0.01      | 0.07      | 0.049   | 0.02     | 4.3      | 0.049    | 0.0249    | 6        |
| 11KJ0194  | 0.4      | 0.2      | 46      | 0.21       | 0.024      | 24       | 27       | 0.47      | 565      | 0.054      | 1       | 1.73       | 0.011     | 0.06      | 0.1     | 0.03     | 4.4      | 0.049    | 0.0249    | 4        |
| 11KJ0193  | 0.5      | 0.2      | 51      | 0.2        | 0.021      | 21       | 28       | 0.48      | 326      | 0.064      | 1       | 1.61       | 0.011     | 0.06      | 0.1     | 0.03     | 4.2      | 0.049    | 0.0249    | 5        |
| 11KJ0192  | 0.4      | 0.2      | 59      | 0.22       | 0.06       | 17       | 38       | 0.57      | 297      | 0.066      | 2       | 2.16       | 0.01      | 0.08      | 0.1     | 0.03     | 3.6      | 0.049    | 0.0249    | 6        |
| 11KJ0191  | 0.4      | 0.2      | 61      | 0.17       | 0.048      | 18       | 33       | 0.47      | 243      | 0.052      | 0.49    | 2.07       | 0.009     | 0.06      | 0.1     | 0.03     | 3.1      | 0.049    | 0.0249    | 6        |
| 11KJ0190  | 0.6      | 0.3      | 67      | 1.18       | 0.117      | 48       | 61       | 0.65      | 1617     | 0.036      | 3       | 3.45       | 0.014     | 0.15      | 0.2     | 0.14     | 8.2      | 0.2      | 0.0249    | 8        |
| 11JM0706  | 0.2      | 0.049    | 126     | 1.44       | 0.349      | 16       | 15       | 1.68      | 448      | 0.202      | 2       | 3.11       | 0.02      | 0.65      | 0.049   | 0.01     | 8.6      | 0.2      | 0.0249    | 13       |
| 11JM0705  | 0.3      | 0.1      | 100     | 0.27       | 0.062      | 17       | 44       | 0.95      | 328      | 0.153      | 2       | 2.29       | 0.012     | 0.25      | 0.049   | 0.02     | 8.5      | 0.2      | 0.0249    | 8        |
| 11JM0704  | 0.3      | 0.1      | 97      | 0.15       | 0.057      | 12       | 43       | 1.03      | 209      | 0.188      | 2       | 2.56       | 0.01      | 0.45      | 0.1     | 0.02     | 9        | 0.2      | 0.0249    | 9        |
| 11JM0703  | 0.3      | 0.049    | 101     | 0.22       | 0.072      | 11       | 35       | 1.13      | 246      | 0.061      | 1       | 2.92       | 0.01      | 0.15      | 0.049   | 0.02     | 11.9     | 0.1      | 0.0249    | 10       |
| 11JM0702  | 0.3      | 0.1      | 70      | 0.41       | 0.118      | 29       | 44       | 0.66      | 432      | 0.073      | 2       | 1.84       | 0.011     | 0.26      | 0.049   | 0.02     | 11.5     | 0.1      | 0.07      | 6        |
| 11JM0701  | 0.1      | 0.049    | 87      | 0.13       | 0.038      | 15       | 50       | 1.21      | 206      | 0.172      | 0.49    | 2.4        | 0.007     | 0.5       | 0.049   | 0.0049   | 10       | 0.2      | 0.0249    | 8        |
| 11JM0700  | 0.1      | 0.049    | 75      | 0.17       | 0.097      | 17       | 22       | 1.07      | 212      | 0.32       | 1       | 2.79       | 0.009     | 0.96      | 0.049   | 0.0049   | 11.4     | 0.2      | 0.05      | 11       |
| 11JM0699  | 0.1      | 0.2      | 74      | 0.15       | 0.083      | 14       | 17       | 1.05      | 204      | 0.285      | 1       | 2.64       | 0.009     | 0.84      | 0.049   | 0.0049   | 10.6     | 0.3      | 0.05      | 10       |
| 11JM0698  | 0.2      | 0.049    | 107     | 0.24       | 0.095      | 19       | 36       | 1.06      | 355      | 0.181      | 1       | 2.52       | 0.01      | 0.55      | 0.049   | 0.0049   | 15.1     | 0.2      | 0.0249    | 10       |
| 11JM0697  | 0.5      | 0.1      | 128     | 0.55       | 0.106      | 10       | 98       | 1.17      | 219      | 0.099      | 2       | 2.47       | 0.019     | 0.05      | 0.1     | 0.02     | 7.8      | 0.049    | 0.0249    | 8        |
| 11JM0696  | 0.3      | 0.049    | 102     | 0.91       | 0.238      | 30       | 81       | 1.31      | 292      | 0.029      | 1       | 2.51       | 0.012     | 0.1       | 0.049   | 0.01     | 8.1      | 0.049    | 0.0249    | 10       |
| 11JM0695  | 0.1      | 0.049    | 91      | 0.86       | 0.151      | 11       | 21       | 0.71      | 212      | 0.067      | 1       | 2.09       | 0.019     | 0.06      | 0.049   | 0.01     | 5.1      | 0.049    | 0.0249    | 9        |
| 11JM0694  | 0.2      | 0.049    | 117     | 1.05       | 0.166      | 32       | 61       | 1.2       | 285      | 0.109      | 2       | 2.6        | 0.056     | 0.09      | 0.049   | 0.03     | 10.6     | 0.049    | 0.0249    | 10       |
| 11JM0693  | 0.049    | 0.049    | 125     | 0.56       | 0.129      | 23       | 21       | 1.58      | 377      | 0.279      | 1       | 2.92       | 0.022     | 1.05      | 0.049   | 0.0049   | 12.2     | 0.3      | 0.05      | 11       |
| 11JM0692  | 0.4      | 0.049    | 129     | 1.18       | 0.25       | 13       | 64       | 2.33      | 341      | 0.125      | 3       | 2.96       | 0.026     | 0.1       | 0.049   | 0.01     | 11.1     | 0.049    | 0.0249    | 13       |
| 11JM0691  | 0.8      | 0.2      | 95      | 0.78       | 0.185      | 24       | 70       | 1.26      | 427      | 0.069      | 2       | 2.32       | 0.016     | 0.16      | 0.2     | 0.02     | 8.3      | 0.049    | 0.0249    | 9        |
| 11JM0690  | 0.6      | 0.1      | 85      | 1.01       | 0.252      | 42       | 71       | 1.6       | 546      | 0.111      | 2       | 2.01       | 0.02      | 0.13      | 0.2     | 0.03     | 7.7      | 0.1      | 0.0249    | 9        |
| 11JM0689  | 0.5      | 0.049    | 113     | 0.58       | 0.089      | 19       | 114      | 1.7       | 616      | 0.074      | 4       | 2.24       | 0.01      | 0.49      | 0.1     | 0.0049   | 12       | 0.1      | 0.0249    | 8        |
| 11JM0688  | 0.7      | 0.1      | 61      | 0.97       | 0.077      | 15       | 23       | 0.48      | 944      | 0.018      | 2       | 1.4        | 0.011     | 0.16      | 0.1     | 0.03     | 9        | 0.049    | 0.07      | 3        |
| 11JM0687  | 0.8      | 0.049    | 42      | 3.17       | 0.186      | 14       | 10       | 0.42      | 1362     | 0.004      | 3       | 0.69       | 0.009     | 0.19      | 0.049   | 0.04     | 8.6      | 0.049    | 0.08      | 2        |
| 11JM0686  | 0.4      | 0.049    | 55      | 0.39       | 0.051      | 13       | 24       | 0.56      | 630      | 0.035      | 0.49    | 1.62       | 0.013     | 0.13      | 0.1     | 0.02     | 4.9      | 0.049    | 0.0249    | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11JM0685  | 0.4      | 0.049    | 70      | 0.51       | 0.138      | 22       | 19       | 0.8       | 1128     | 0.01       | 0.49    | 2.1        | 0.008     | 0.16      | 0.1     | 0.01     | 10.5     | 0.049    | 0.0249    | 7        |
| 11JM0684  | 0.5      | 0.049    | 73      | 0.55       | 0.12       | 24       | 23       | 1.02      | 711      | 0.031      | 1       | 2.16       | 0.013     | 0.14      | 0.049   | 0.03     | 8.5      | 0.049    | 0.0249    | 8        |
| 11JM0683  | 1.3      | 0.1      | 80      | 0.57       | 0.105      | 13       | 33       | 0.59      | 599      | 0.028      | 1       | 1.95       | 0.01      | 0.18      | 0.2     | 0.02     | 6        | 0.049    | 0.0249    | 6        |
| 11JM0682  | 0.4      | 0.1      | 83      | 0.34       | 0.12       | 12       | 23       | 0.45      | 426      | 0.025      | 0.49    | 2.05       | 0.01      | 0.1       | 0.1     | 0.0049   | 6.2      | 0.1      | 0.05      | 7        |
| 11JM0681  | 0.5      | 0.1      | 89      | 0.63       | 0.222      | 22       | 79       | 1.4       | 404      | 0.129      | 1       | 2.2        | 0.015     | 0.13      | 0.1     | 0.03     | 4.9      | 0.049    | 0.06      | 9        |
| 11JM0679  | 2.4      | 0.049    | 100     | 0.99       | 0.299      | 14       | 12       | 1.28      | 449      | 0.05       | 0.49    | 2.32       | 0.018     | 0.16      | 0.2     | 0.02     | 8.9      | 0.049    | 0.06      | 10       |
| 11JM0678  | 0.4      | 0.049    | 83      | 0.42       | 0.155      | 12       | 19       | 1.27      | 606      | 0.028      | 0.49    | 2.46       | 0.009     | 0.11      | 0.1     | 0.0049   | 5.3      | 0.049    | 0.05      | 9        |
| 11JM0671  | 0.3      | 0.049    | 66      | 0.63       | 0.145      | 17       | 25       | 0.93      | 373      | 0.058      | 1       | 1.87       | 0.014     | 0.07      | 0.2     | 0.03     | 5.2      | 0.049    | 0.0249    | 7        |
| 11JM0670  | 0.5      | 0.1      | 64      | 0.31       | 0.062      | 16       | 28       | 0.64      | 298      | 0.053      | 1       | 1.86       | 0.013     | 0.06      | 0.2     | 0.02     | 4.7      | 0.049    | 0.0249    | 6        |
| 11JM0669  | 1.1      | 0.049    | 70      | 0.53       | 0.172      | 28       | 15       | 0.94      | 299      | 0.024      | 2       | 1.95       | 0.013     | 0.1       | 0.4     | 0.0049   | 7.1      | 0.049    | 0.0249    | 8        |
| 11JM0668  | 0.3      | 0.049    | 87      | 0.65       | 0.232      | 39       | 14       | 1.52      | 272      | 0.021      | 1       | 2.77       | 0.01      | 0.12      | 0.049   | 0.01     | 7.1      | 0.049    | 0.0249    | 11       |
| 11JM0667  | 0.3      | 0.049    | 85      | 0.49       | 0.158      | 10       | 19       | 1.4       | 160      | 0.048      | 0.49    | 2.89       | 0.016     | 0.05      | 0.049   | 0.0049   | 4.4      | 0.049    | 0.0249    | 11       |
| 11JM0666  | 0.3      | 0.049    | 89      | 0.81       | 0.209      | 22       | 15       | 1.33      | 227      | 0.098      | 0.49    | 2.37       | 0.016     | 0.06      | 0.1     | 0.02     | 7.2      | 0.049    | 0.0249    | 10       |
| 11JM0665  | 0.3      | 0.049    | 80      | 0.66       | 0.141      | 18       | 20       | 1.04      | 231      | 0.062      | 0.49    | 2.06       | 0.019     | 0.06      | 0.049   | 0.01     | 5.9      | 0.049    | 0.0249    | 9        |
| 11JM0664  | 0.3      | 0.049    | 88      | 0.53       | 0.167      | 10       | 16       | 1.13      | 129      | 0.094      | 1       | 2.67       | 0.02      | 0.05      | 0.1     | 0.01     | 4.5      | 0.049    | 0.05      | 11       |
| 11JM0663  | 0.3      | 0.049    | 62      | 0.36       | 0.122      | 8        | 25       | 0.63      | 131      | 0.04       | 0.49    | 1.86       | 0.011     | 0.06      | 0.1     | 0.01     | 2.6      | 0.049    | 0.0249    | 7        |
| 11JM0662  | 0.5      | 0.1      | 73      | 0.39       | 0.07       | 18       | 32       | 0.89      | 250      | 0.079      | 1       | 2.09       | 0.017     | 0.04      | 0.1     | 0.03     | 6.1      | 0.049    | 0.0249    | 7        |
| 11JM0661  | 0.4      | 0.049    | 81      | 0.55       | 0.136      | 25       | 18       | 1.22      | 249      | 0.01       | 0.49    | 2.5        | 0.009     | 0.06      | 0.049   | 0.03     | 9        | 0.049    | 0.0249    | 11       |
| 11JM0660  | 0.3      | 0.049    | 72      | 0.59       | 0.116      | 14       | 24       | 0.89      | 270      | 0.088      | 0.49    | 1.96       | 0.014     | 0.06      | 0.1     | 0.02     | 4.9      | 0.049    | 0.0249    | 7        |
| 11JM0659  | 0.5      | 0.1      | 66      | 0.4        | 0.064      | 19       | 33       | 0.73      | 300      | 0.068      | 0.49    | 1.97       | 0.015     | 0.05      | 0.1     | 0.03     | 5.4      | 0.049    | 0.0249    | 6        |
| 11JM0658  | 0.3      | 0.1      | 75      | 0.59       | 0.148      | 11       | 23       | 1         | 270      | 0.074      | 0.49    | 2.24       | 0.016     | 0.06      | 0.1     | 0.02     | 4.9      | 0.049    | 0.0249    | 8        |
| 11JM0657  | 0.5      | 0.1      | 88      | 0.86       | 0.221      | 11       | 24       | 1.36      | 279      | 0.062      | 1       | 2.53       | 0.018     | 0.05      | 0.049   | 0.02     | 6.9      | 0.049    | 0.0249    | 10       |
| 11JM0581  | 0.1      | 0.2      | 86      | 0.45       | 0.049      | 17       | 127      | 1.81      | 397      | 0.205      | 2       | 3          | 0.025     | 0.39      | 0.1     | 0.04     | 7        | 0.5      | 0.0249    | 10       |
| 11JM0580  | 0.3      | 0.9      | 50      | 0.26       | 0.082      | 17       | 28       | 0.88      | 235      | 0.08       | 2       | 2.26       | 0.017     | 0.09      | 0.049   | 0.03     | 5        | 0.049    | 0.05      | 9        |
| 11JM0579  | 0.4      | 0.5      | 63      | 0.31       | 0.034      | 21       | 34       | 0.85      | 309      | 0.045      | 2       | 2.48       | 0.012     | 0.08      | 0.049   | 0.04     | 6.2      | 0.2      | 0.0249    | 7        |
| 11JM0578  | 0.5      | 0.3      | 60      | 0.32       | 0.046      | 25       | 46       | 0.64      | 423      | 0.064      | 3       | 1.93       | 0.012     | 0.06      | 0.1     | 0.04     | 6.9      | 0.049    | 0.0249    | 5        |
| 11JM0577  | 0.4      | 0.2      | 60      | 0.38       | 0.04       | 15       | 36       | 0.67      | 315      | 0.071      | 3       | 1.89       | 0.015     | 0.05      | 0.1     | 0.04     | 5        | 0.049    | 0.0249    | 5        |
| 11JM0576  | 0.3      | 0.049    | 104     | 0.2        | 0.017      | 10       | 21       | 1.61      | 225      | 0.218      | 2       | 3.48       | 0.011     | 0.35      | 0.1     | 0.02     | 3        | 0.4      | 0.0249    | 9        |
| 11JM0575  | 0.3      | 0.1      | 70      | 0.27       | 0.025      | 8        | 29       | 0.95      | 213      | 0.133      | 1       | 2.45       | 0.017     | 0.07      | 0.1     | 0.01     | 3.5      | 0.049    | 0.0249    | 6        |
| 11JM0574  | 0.2      | 0.2      | 82      | 0.38       | 0.047      | 10       | 36       | 1.44      | 237      | 0.147      | 0.49    | 2.85       | 0.012     | 0.08      | 0.1     | 0.02     | 3.7      | 0.1      | 0.0249    | 8        |
| 11JM0573  | 0.3      | 0.2      | 83      | 0.32       | 0.028      | 9        | 35       | 0.88      | 195      | 0.1        | 0.49    | 2.43       | 0.013     | 0.07      | 0.1     | 0.02     | 4        | 0.1      | 0.0249    | 7        |
| 11JM0572  | 0.1      | 0.049    | 97      | 0.31       | 0.042      | 6        | 17       | 1.47      | 246      | 0.309      | 0.49    | 2.97       | 0.013     | 0.78      | 0.2     | 0.0049   | 3.9      | 0.4      | 0.0249    | 9        |
| 11JM0571  | 0.2      | 0.049    | 117     | 0.31       | 0.029      | 5        | 21       | 1.5       | 206      | 0.313      | 1       | 3.15       | 0.018     | 0.37      | 0.2     | 0.02     | 3.3      | 0.2      | 0.0249    | 9        |
| 11JM0570  | 0.2      | 0.049    | 106     | 0.36       | 0.057      | 4        | 16       | 1.33      | 227      | 0.313      | 2       | 3.12       | 0.016     | 0.67      | 0.2     | 0.0049   | 3.3      | 0.4      | 0.0249    | 8        |
| 11JM0569  | 0.1      | 0.049    | 131     | 0.79       | 0.112      | 4        | 12       | 1.71      | 342      | 0.374      | 0.49    | 3.59       | 0.021     | 0.75      | 0.2     | 0.01     | 3.1      | 0.4      | 0.0249    | 9        |
| 11JM0568  | 0.2      | 0.049    | 102     | 0.65       | 0.051      | 5        | 19       | 1.27      | 174      | 0.265      | 0.49    | 2.46       | 0.019     | 0.2       | 0.1     | 0.0049   | 4.2      | 0.1      | 0.0249    | 8        |
| 11JM0567  | 0.049    | 0.049    | 66      | 0.6        | 0.133      | 5        | 36       | 1.21      | 290      | 0.212      | 0.49    | 2.55       | 0.015     | 0.66      | 0.049   | 0.0049   | 3.9      | 0.2      | 0.0249    | 8        |
| 11JM0565  | 0.049    | 0.049    | 107     | 0.92       | 0.147      | 4        | 48       | 1.24      | 179      | 0.11       | 0.49    | 2.61       | 0.025     | 0.18      | 0.049   | 0.0049   | 4.8      | 0.049    | 0.0249    | 7        |
| 11JM0564  | 0.1      | 0.049    | 78      | 0.57       | 0.06       | 5        | 40       | 0.98      | 167      | 0.116      | 1       | 2.08       | 0.034     | 0.06      | 0.049   | 0.0049   | 4.6      | 0.049    | 0.0249    | 5        |
| 11JM0563  | 0.049    | 0.049    | 82      | 0.57       | 0.081      | 6        | 25       | 0.93      | 211      | 0.131      | 0.49    | 1.94       | 0.022     | 0.28      | 0.049   | 0.01     | 6.2      | 0.049    | 0.0249    | 6        |
| 11JM0562  | 0.3      | 0.3      | 63      | 0.34       | 0.036      | 40       | 40       | 0.58      | 500      | 0.058      | 0.49    | 2.2        | 0.012     | 0.07      | 0.1     | 0.03     | 4.7      | 0.1      | 0.0249    | 7        |
| 11JM0561  | 0.4      | 0.3      | 64      | 0.22       | 0.037      | 21       | 64       | 0.91      | 319      | 0.078      | 1       | 2.5        | 0.01      | 0.08      | 0.1     | 0.02     | 3.9      | 0.2      | 0.0249    | 7        |
| 11JM0560  | 0.3      | 0.4      | 43      | 0.28       | 0.05       | 36       | 21       | 0.48      | 495      | 0.072      | 1       | 1.72       | 0.011     | 0.18      | 0.1     | 0.02     | 3.5      | 0.2      | 0.0249    | 5        |
| 11JM0559  | 0.3      | 0.2      | 39      | 0.19       | 0.031      | 19       | 19       | 0.38      | 316      | 0.053      | 0.49    | 1.39       | 0.008     | 0.1       | 0.1     | 0.01     | 2.3      | 0.1      | 0.0249    | 4        |
| 11JM0558  | 0.4      | 0.2      | 48      | 0.16       | 0.017      | 17       | 29       | 0.44      | 457      | 0.027      | 2       | 2.02       | 0.009     | 0.09      | 0.049   | 0.01     | 3.2      | 0.1      | 0.0249    | 5        |
| 11JM0557  | 0.3      | 0.3      | 43      | 0.25       | 0.037      | 26       | 25       | 0.44      | 404      | 0.059      | 1       | 1.65       | 0.009     | 0.13      | 0.1     | 0.02     | 3.1      | 0.1      | 0.0249    | 5        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11JM0556  | 0.4      | 0.4      | 59      | 0.27       | 0.033      | 17       | 25       | 0.49      | 227      | 0.068      | 1       | 1.74       | 0.01      | 0.14      | 0.1     | 0.02     | 2.8      | 0.2      | 0.0249    | 6        |
| 11JM0555  | 0.3      | 0.3      | 49      | 0.25       | 0.037      | 22       | 23       | 0.47      | 369      | 0.064      | 0.49    | 1.58       | 0.01      | 0.11      | 0.1     | 0.01     | 2.9      | 0.1      | 0.0249    | 5        |
| 11JM0554  | 0.5      | 0.2      | 63      | 0.2        | 0.029      | 14       | 31       | 0.47      | 256      | 0.051      | 1       | 2.17       | 0.011     | 0.06      | 0.1     | 0.02     | 3.7      | 0.1      | 0.0249    | 6        |
| 11JM0553  | 0.5      | 0.2      | 63      | 0.27       | 0.03       | 18       | 38       | 0.52      | 509      | 0.045      | 2       | 2.25       | 0.012     | 0.07      | 0.1     | 0.03     | 4.2      | 0.1      | 0.0249    | 5        |
| 11JM0552  | 0.3      | 0.2      | 42      | 0.21       | 0.026      | 17       | 20       | 0.46      | 349      | 0.034      | 1       | 2.12       | 0.01      | 0.14      | 0.049   | 0.02     | 2.9      | 0.2      | 0.0249    | 5        |
| 11JM0551  | 0.4      | 0.2      | 77      | 0.23       | 0.019      | 14       | 34       | 0.63      | 292      | 0.076      | 2       | 2.14       | 0.012     | 0.09      | 0.2     | 0.01     | 3.9      | 0.1      | 0.0249    | 7        |
| 11JM0550  | 0.3      | 0.2      | 53      | 0.24       | 0.022      | 13       | 29       | 0.61      | 256      | 0.059      | 0.49    | 2.65       | 0.011     | 0.15      | 0.049   | 0.02     | 3.2      | 0.2      | 0.0249    | 6        |
| 11JM0549  | 0.2      | 0.6      | 22      | 0.29       | 0.024      | 43       | 14       | 0.35      | 548      | 0.018      | 0.49    | 1.45       | 0.007     | 0.16      | 0.049   | 0.01     | 3.7      | 0.1      | 0.0249    | 4        |
| 11JM0548  | 0.1      | 0.2      | 50      | 0.22       | 0.081      | 11       | 8        | 0.75      | 239      | 0.282      | 0.49    | 2.07       | 0.009     | 1.04      | 0.2     | 0.0049   | 5        | 0.6      | 0.0249    | 9        |
| 11JM0547  | 0.2      | 0.8      | 62      | 0.43       | 0.054      | 56       | 31       | 1.21      | 405      | 0.184      | 0.49    | 2.35       | 0.016     | 0.8       | 0.049   | 0.0049   | 3.9      | 0.8      | 0.0249    | 8        |
| 11JM0546  | 0.2      | 1.5      | 92      | 0.66       | 0.123      | 23       | 25       | 1.58      | 482      | 0.288      | 1       | 2.83       | 0.025     | 1         | 0.2     | 0.01     | 4.7      | 0.7      | 0.0249    | 10       |
| 11JM0544  | 0.2      | 0.3      | 74      | 0.43       | 0.039      | 14       | 26       | 0.88      | 265      | 0.153      | 2       | 1.92       | 0.017     | 0.19      | 0.1     | 0.02     | 3.1      | 0.2      | 0.0249    | 7        |
| 11JM0543  | 0.049    | 0.1      | 96      | 0.45       | 0.064      | 11       | 24       | 1.43      | 375      | 0.249      | 0.49    | 2.63       | 0.017     | 0.89      | 0.2     | 0.0049   | 3.6      | 0.5      | 0.0249    | 8        |
| 11JM0542  | 0.2      | 0.2      | 73      | 0.47       | 0.053      | 15       | 34       | 0.96      | 320      | 0.141      | 1       | 1.91       | 0.021     | 0.21      | 0.2     | 0.02     | 3.6      | 0.1      | 0.0249    | 6        |
| 11JM0541  | 0.049    | 0.049    | 69      | 0.4        | 0.08       | 11       | 21       | 1.08      | 331      | 0.255      | 0.49    | 2.52       | 0.018     | 0.92      | 0.1     | 0.0049   | 3        | 0.5      | 0.0249    | 7        |
| 11JM0540  | 0.1      | 0.1      | 75      | 0.41       | 0.052      | 11       | 21       | 1.02      | 329      | 0.202      | 1       | 2.4        | 0.017     | 0.53      | 0.1     | 0.0049   | 3        | 0.3      | 0.0249    | 6        |
| 11JM0539  | 0.5      | 0.4      | 72      | 0.14       | 0.039      | 12       | 31       | 0.43      | 231      | 0.057      | 2       | 2.07       | 0.008     | 0.1       | 0.2     | 0.02     | 3        | 0.1      | 0.0249    | 7        |
| 11JM0538  | 0.4      | 0.3      | 62      | 0.15       | 0.02       | 14       | 29       | 0.43      | 190      | 0.068      | 1       | 1.57       | 0.011     | 0.09      | 0.1     | 0.02     | 2.7      | 0.1      | 0.0249    | 7        |
| 11JM0537  | 0.3      | 0.3      | 59      | 0.13       | 0.042      | 15       | 25       | 0.41      | 184      | 0.055      | 1       | 1.68       | 0.011     | 0.1       | 0.2     | 0.02     | 2.7      | 0.1      | 0.0249    | 6        |
| 11JM0536  | 0.4      | 0.3      | 66      | 0.14       | 0.023      | 13       | 30       | 0.54      | 229      | 0.063      | 2       | 2.18       | 0.012     | 0.11      | 0.1     | 0.01     | 3.8      | 0.2      | 0.0249    | 7        |
| 11JM0535  | 0.2      | 0.4      | 56      | 0.35       | 0.053      | 18       | 30       | 0.46      | 475      | 0.034      | 1       | 1.73       | 0.01      | 0.12      | 0.2     | 0.01     | 3.3      | 0.2      | 0.0249    | 7        |
| 11JM0534  | 0.2      | 0.3      | 114     | 1.62       | 0.359      | 65       | 235      | 3.66      | 2378     | 0.154      | 2       | 2.78       | 0.046     | 0.59      | 0.049   | 0.03     | 9.8      | 0.5      | 0.0249    | 9        |
| 11JM0533  | 0.3      | 0.3      | 83      | 0.52       | 0.064      | 16       | 41       | 0.92      | 389      | 0.042      | 0.49    | 2.58       | 0.015     | 0.06      | 0.049   | 0.01     | 6        | 0.1      | 0.0249    | 8        |
| 11JM0532  | 0.9      | 0.8      | 37      | 0.45       | 0.037      | 37       | 19       | 0.48      | 385      | 0.068      | 0.49    | 1.7        | 0.014     | 0.21      | 0.2     | 0.05     | 4.8      | 0.3      | 0.0249    | 6        |
| 11JM0531  | 0.5      | 0.6      | 51      | 0.26       | 0.037      | 24       | 26       | 0.41      | 441      | 0.049      | 0.49    | 1.63       | 0.01      | 0.11      | 0.1     | 0.04     | 4.3      | 0.1      | 0.0249    | 5        |
| 11JM0530  | 0.6      | 0.7      | 33      | 0.1        | 0.031      | 19       | 17       | 0.24      | 171      | 0.007      | 1       | 1.86       | 0.006     | 0.09      | 0.049   | 0.03     | 3        | 0.1      | 0.0249    | 4        |
| 11JM0529  | 0.6      | 0.2      | 59      | 0.18       | 0.022      | 13       | 35       | 0.58      | 310      | 0.07       | 1       | 2.52       | 0.012     | 0.1       | 0.1     | 0.03     | 3.8      | 0.2      | 0.0249    | 6        |
| 11JM0528  | 0.2      | 0.049    | 11      | 0.16       | 0.016      | 20       | 5        | 0.16      | 1129     | 0.003      | 0.49    | 1.52       | 0.007     | 0.08      | 0.049   | 0.01     | 1.6      | 0.049    | 0.0249    | 3        |
| 11JM0527  | 0.2      | 0.049    | 8       | 0.11       | 0.008      | 15       | 6        | 0.17      | 870      | 0.006      | 1       | 1.41       | 0.006     | 0.09      | 0.2     | 0.0049   | 2.1      | 0.049    | 0.0249    | 3        |
| 11JM0526  | 0.4      | 0.1      | 51      | 0.25       | 0.021      | 43       | 30       | 0.53      | 295      | 0.076      | 0.49    | 1.56       | 0.015     | 0.08      | 0.1     | 0.0049   | 3.9      | 0.049    | 0.0249    | 5        |
| 11JM0525  | 0.5      | 0.2      | 61      | 0.19       | 0.018      | 16       | 35       | 0.55      | 247      | 0.075      | 1       | 2.25       | 0.015     | 0.08      | 0.1     | 0.02     | 3.6      | 0.049    | 0.0249    | 6        |
| 11JM0523  | 0.4      | 0.2      | 56      | 0.23       | 0.017      | 21       | 43       | 0.67      | 274      | 0.083      | 0.49    | 2.17       | 0.011     | 0.09      | 0.1     | 0.02     | 4.9      | 0.1      | 0.0249    | 6        |
| 11JM0522  | 0.5      | 0.2      | 62      | 0.15       | 0.014      | 11       | 35       | 0.59      | 215      | 0.094      | 0.49    | 1.96       | 0.015     | 0.11      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 6        |
| 11JM0521  | 0.2      | 0.3      | 40      | 0.16       | 0.04       | 17       | 7        | 0.66      | 127      | 0.201      | 0.49    | 1.86       | 0.009     | 0.61      | 0.1     | 0.0049   | 4        | 0.4      | 0.0249    | 8        |
| 11JM0520  | 0.4      | 0.2      | 98      | 0.78       | 0.053      | 42       | 52       | 1.9       | 242      | 0.26       | 0.49    | 2.67       | 0.033     | 0.18      | 0.049   | 0.02     | 6.9      | 0.1      | 0.0249    | 9        |
| 11JM0519  | 0.3      | 0.5      | 47      | 0.21       | 0.027      | 20       | 15       | 0.84      | 188      | 0.117      | 0.49    | 1.91       | 0.012     | 0.36      | 0.049   | 0.0049   | 4.9      | 0.3      | 0.0249    | 7        |
| 11JM0518  | 0.4      | 0.2      | 67      | 0.37       | 0.019      | 16       | 37       | 0.9       | 189      | 0.133      | 2       | 2.09       | 0.021     | 0.12      | 0.1     | 0.02     | 5.2      | 0.1      | 0.0249    | 6        |
| 11JM0517  | 0.3      | 0.5      | 73      | 0.47       | 0.031      | 9        | 31       | 1.17      | 236      | 0.194      | 0.49    | 2.28       | 0.021     | 0.35      | 0.1     | 0.0049   | 3.8      | 0.3      | 0.0249    | 8        |
| 11JM0516  | 0.4      | 0.3      | 68      | 0.21       | 0.044      | 13       | 47       | 0.81      | 236      | 0.097      | 0.49    | 2.71       | 0.012     | 0.15      | 0.1     | 0.01     | 4.1      | 0.2      | 0.0249    | 7        |
| 11JM0515  | 0.6      | 0.5      | 62      | 0.28       | 0.029      | 24       | 31       | 0.63      | 395      | 0.065      | 0.49    | 2.29       | 0.012     | 0.13      | 0.049   | 0.03     | 5.6      | 0.2      | 0.0249    | 6        |
| 11JM0514  | 0.5      | 0.4      | 39      | 0.14       | 0.023      | 18       | 23       | 0.39      | 350      | 0.032      | 0.49    | 2.22       | 0.008     | 0.14      | 0.1     | 0.01     | 3        | 0.2      | 0.0249    | 5        |
| 11JM0513  | 0.6      | 0.5      | 56      | 0.13       | 0.016      | 12       | 28       | 0.55      | 302      | 0.029      | 0.49    | 2.75       | 0.008     | 0.14      | 0.049   | 0.03     | 4.7      | 0.2      | 0.0249    | 6        |
| 11JM0512  | 1.2      | 1.6      | 40      | 0.09       | 0.022      | 16       | 20       | 0.37      | 330      | 0.029      | 0.49    | 1.86       | 0.008     | 0.16      | 0.1     | 0.03     | 3.3      | 0.2      | 0.0249    | 4        |
| 11JM0511  | 0.4      | 1.1      | 52      | 0.15       | 0.047      | 15       | 15       | 0.39      | 325      | 0.049      | 2       | 1.67       | 0.008     | 0.27      | 0.2     | 0.02     | 3.4      | 0.2      | 0.0249    | 5        |
| 11JM0510  | 0.5      | 0.4      | 41      | 0.2        | 0.02       | 24       | 23       | 0.44      | 413      | 0.056      | 0.49    | 1.66       | 0.011     | 0.14      | 0.2     | 0.02     | 4.1      | 0.1      | 0.0249    | 5        |
| 11JM0509  | 0.3      | 0.8      | 46      | 0.21       | 0.041      | 21       | 21       | 0.92      | 332      | 0.079      | 0.49    | 2.05       | 0.009     | 0.31      | 0.1     | 0.0049   | 4.1      | 0.2      | 0.0249    | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11JM0508  | 0.2      | 3.1      | 21      | 0.13       | 0.035      | 26       | 10       | 0.38      | 285      | 0.033      | 0.49    | 1.49       | 0.008     | 0.34      | 0.1     | 0.0049   | 2.1      | 0.2      | 0.0249    | 5        |
| 11JM0507  | 0.2      | 0.4      | 27      | 0.11       | 0.028      | 18       | 13       | 0.44      | 150      | 0.059      | 0.49    | 1.67       | 0.01      | 0.3       | 0.1     | 0.02     | 2.1      | 0.2      | 0.0249    | 5        |
| 11JM0505  | 0.2      | 0.9      | 39      | 0.16       | 0.019      | 26       | 16       | 0.79      | 333      | 0.061      | 0.49    | 2.1        | 0.008     | 0.29      | 0.1     | 0.02     | 3.3      | 0.2      | 0.0249    | 6        |
| 11JM0504  | 0.1      | 2.5      | 52      | 0.32       | 0.06       | 19       | 8        | 0.79      | 391      | 0.183      | 0.49    | 1.93       | 0.008     | 0.72      | 0.7     | 0.01     | 4.8      | 0.2      | 0.0249    | 8        |
| 11JM0503  | 0.5      | 2.8      | 23      | 0.17       | 0.02       | 19       | 10       | 0.32      | 276      | 0.049      | 0.49    | 1.24       | 0.008     | 0.21      | 0.2     | 0.0049   | 2.2      | 0.1      | 0.0249    | 4        |
| 11JM0502  | 0.3      | 1.1      | 46      | 0.26       | 0.023      | 17       | 19       | 0.44      | 345      | 0.07       | 0.49    | 1.51       | 0.013     | 0.18      | 0.2     | 0.02     | 2.8      | 0.1      | 0.0249    | 5        |
| 11JM0501  | 0.3      | 0.5      | 33      | 0.22       | 0.039      | 34       | 15       | 0.42      | 328      | 0.058      | 0.49    | 1.51       | 0.008     | 0.39      | 0.1     | 0.0049   | 3        | 0.2      | 0.0249    | 6        |
| 11JM0500  | 0.3      | 0.3      | 53      | 0.33       | 0.025      | 23       | 21       | 0.85      | 358      | 0.138      | 0.49    | 1.94       | 0.017     | 0.69      | 0.049   | 0.0049   | 4.9      | 0.4      | 0.0249    | 6        |
| 11JM0499  | 0.4      | 0.3      | 40      | 0.26       | 0.026      | 18       | 20       | 0.39      | 377      | 0.054      | 0.49    | 1.25       | 0.01      | 0.16      | 0.2     | 0.02     | 3.1      | 0.1      | 0.0249    | 5        |
| 11JM0498  | 0.5      | 0.4      | 31      | 0.25       | 0.032      | 23       | 18       | 0.35      | 446      | 0.049      | 0.49    | 1.19       | 0.01      | 0.17      | 0.1     | 0.02     | 3.2      | 0.1      | 0.0249    | 4        |
| 11JM0497  | 0.6      | 0.4      | 34      | 0.21       | 0.016      | 18       | 19       | 0.33      | 397      | 0.039      | 0.49    | 1.12       | 0.012     | 0.1       | 0.1     | 0.02     | 2.9      | 0.049    | 0.0249    | 3        |
| 11JM0496  | 0.8      | 0.5      | 34      | 0.14       | 0.02       | 17       | 21       | 0.34      | 352      | 0.038      | 0.49    | 1.19       | 0.009     | 0.11      | 0.1     | 0.02     | 2.9      | 0.049    | 0.0249    | 3        |
| 11JM0495  | 0.7      | 0.4      | 55      | 0.15       | 0.022      | 13       | 27       | 0.41      | 286      | 0.044      | 0.49    | 1.63       | 0.009     | 0.09      | 0.1     | 0.02     | 3.1      | 0.049    | 0.0249    | 5        |
| 11JM0494  | 0.6      | 0.4      | 46      | 0.25       | 0.025      | 15       | 31       | 0.47      | 405      | 0.044      | 0.49    | 1.34       | 0.011     | 0.06      | 0.2     | 0.02     | 3.7      | 0.049    | 0.0249    | 4        |
| 11JM0493  | 0.5      | 0.5      | 53      | 0.19       | 0.016      | 16       | 24       | 0.37      | 483      | 0.046      | 0.49    | 1.28       | 0.01      | 0.08      | 0.1     | 0.02     | 2.7      | 0.049    | 0.0249    | 5        |
| 11JM0492  | 0.5      | 0.6      | 37      | 0.28       | 0.026      | 21       | 19       | 0.33      | 518      | 0.034      | 0.49    | 1.32       | 0.011     | 0.14      | 0.1     | 0.02     | 3        | 0.1      | 0.0249    | 4        |
| 11JM0485  | 0.5      | 0.3      | 61      | 0.17       | 0.034      | 17       | 52       | 0.64      | 343      | 0.058      | 0.49    | 2.26       | 0.009     | 0.06      | 0.1     | 0.03     | 4.5      | 0.1      | 0.0249    | 6        |
| 11JM0484  | 0.7      | 0.3      | 56      | 0.14       | 0.028      | 11       | 32       | 0.47      | 236      | 0.043      | 1       | 1.92       | 0.009     | 0.06      | 0.049   | 0.02     | 3.6      | 0.1      | 0.0249    | 5        |
| 11JM0483  | 0.6      | 0.2      | 55      | 0.27       | 0.052      | 18       | 31       | 0.53      | 360      | 0.062      | 0.49    | 1.62       | 0.011     | 0.05      | 0.1     | 0.03     | 4.1      | 0.049    | 0.0249    | 5        |
| 11JM0482  | 0.6      | 0.4      | 25      | 0.08       | 0.026      | 17       | 14       | 0.2       | 260      | 0.014      | 0.49    | 1.19       | 0.009     | 0.09      | 0.049   | 0.01     | 2.9      | 0.049    | 0.0249    | 3        |
| 11JM0481  | 0.8      | 0.4      | 40      | 0.1        | 0.028      | 13       | 23       | 0.33      | 257      | 0.016      | 0.49    | 1.74       | 0.007     | 0.07      | 0.049   | 0.02     | 2.9      | 0.049    | 0.0249    | 4        |
| 11JM0480  | 2.2      | 1.1      | 24      | 0.1        | 0.032      | 14       | 17       | 0.24      | 256      | 0.011      | 0.49    | 1.64       | 0.009     | 0.12      | 0.049   | 0.02     | 2.6      | 0.1      | 0.0249    | 4        |
| 11JM0479  | 0.7      | 0.3      | 53      | 0.12       | 0.016      | 18       | 33       | 0.48      | 308      | 0.047      | 0.49    | 1.92       | 0.011     | 0.07      | 0.1     | 0.03     | 4.7      | 0.049    | 0.0249    | 5        |
| 11JM0478  | 0.7      | 0.2      | 59      | 0.26       | 0.032      | 19       | 37       | 0.57      | 593      | 0.072      | 0.49    | 1.74       | 0.015     | 0.07      | 0.2     | 0.04     | 7.1      | 0.049    | 0.0249    | 5        |
| 11JM0477  | 0.7      | 0.5      | 38      | 0.15       | 0.027      | 17       | 21       | 0.32      | 362      | 0.019      | 0.49    | 1.29       | 0.01      | 0.08      | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 4        |
| 11JM0476  | 0.3      | 0.3      | 49      | 0.13       | 0.029      | 8        | 15       | 0.58      | 283      | 0.131      | 0.49    | 2.06       | 0.011     | 0.53      | 0.1     | 0.02     | 3.8      | 0.4      | 0.0249    | 8        |
| 11JM0475  | 0.2      | 1        | 27      | 0.14       | 0.045      | 29       | 11       | 0.36      | 319      | 0.052      | 0.49    | 1.22       | 0.009     | 0.37      | 0.4     | 0.01     | 1.7      | 0.2      | 0.0249    | 5        |
| 11JM0474  | 0.2      | 0.2      | 41      | 0.11       | 0.04       | 25       | 13       | 0.52      | 197      | 0.186      | 0.49    | 1.94       | 0.01      | 0.63      | 0.1     | 0.02     | 3.2      | 0.4      | 0.0249    | 7        |
| 11JM0473  | 0.1      | 0.2      | 81      | 0.33       | 0.093      | 25       | 13       | 1.21      | 348      | 0.277      | 0.49    | 2.45       | 0.013     | 1.2       | 0.4     | 0.0049   | 3.1      | 0.7      | 0.0249    | 8        |
| 11JM0472  | 0.3      | 0.3      | 71      | 0.21       | 0.035      | 11       | 21       | 0.55      | 292      | 0.121      | 0.49    | 1.48       | 0.01      | 0.23      | 0.2     | 0.01     | 2.5      | 0.1      | 0.0249    | 7        |
| 11JM0470  | 0.3      | 0.3      | 29      | 0.18       | 0.086      | 26       | 5        | 0.51      | 333      | 0.069      | 0.49    | 1.7        | 0.009     | 0.72      | 0.1     | 0.0049   | 3.7      | 0.2      | 0.0249    | 7        |
| 11JM0469  | 0.4      | 0.3      | 41      | 0.41       | 0.072      | 36       | 28       | 0.44      | 534      | 0.054      | 0.49    | 1.59       | 0.013     | 0.2       | 0.2     | 0.05     | 4.5      | 0.1      | 0.0249    | 5        |
| 11JM0467  | 0.3      | 0.6      | 83      | 0.47       | 0.106      | 16       | 20       | 1.1       | 897      | 0.181      | 0.49    | 2.44       | 0.011     | 0.76      | 0.2     | 0.02     | 3.9      | 0.4      | 0.0249    | 9        |
| 11JM0466  | 0.5      | 0.8      | 42      | 0.1        | 0.041      | 35       | 20       | 0.38      | 222      | 0.034      | 0.49    | 1.55       | 0.01      | 0.3       | 0.1     | 0.01     | 2.2      | 0.2      | 0.0249    | 6        |
| 11JM0464  | 0.5      | 0.2      | 57      | 0.3        | 0.078      | 32       | 58       | 0.69      | 621      | 0.066      | 0.49    | 1.91       | 0.011     | 0.07      | 0.1     | 0.02     | 5.8      | 0.049    | 0.0249    | 5        |
| 11JM0463  | 0.3      | 0.1      | 58      | 0.41       | 0.07       | 28       | 37       | 0.83      | 495      | 0.098      | 0.49    | 2.01       | 0.018     | 0.14      | 0.049   | 0.03     | 5        | 0.049    | 0.0249    | 6        |
| 11JM0462  | 0.5      | 0.2      | 62      | 0.24       | 0.022      | 21       | 41       | 0.54      | 483      | 0.066      | 0.49    | 1.79       | 0.017     | 0.06      | 0.049   | 0.05     | 7.4      | 0.049    | 0.0249    | 5        |
| 11JM0461  | 0.5      | 0.2      | 62      | 0.18       | 0.019      | 20       | 40       | 0.54      | 370      | 0.068      | 0.49    | 1.77       | 0.016     | 0.06      | 0.1     | 0.04     | 6.8      | 0.049    | 0.0249    | 5        |
| 11JM0460  | 0.5      | 0.3      | 38      | 0.12       | 0.021      | 19       | 22       | 0.35      | 185      | 0.04       | 0.49    | 1.43       | 0.007     | 0.09      | 0.049   | 0.03     | 4.2      | 0.1      | 0.0249    | 4        |
| 11JM0458  | 0.5      | 0.2      | 63      | 0.35       | 0.045      | 24       | 57       | 0.74      | 1044     | 0.057      | 0.49    | 1.88       | 0.018     | 0.06      | 0.049   | 0.04     | 6.8      | 0.049    | 0.0249    | 6        |
| 11JM0457  | 1.2      | 0.4      | 45      | 0.14       | 0.016      | 24       | 27       | 0.36      | 401      | 0.031      | 1       | 1.96       | 0.01      | 0.08      | 0.049   | 0.02     | 3.5      | 0.1      | 0.0249    | 4        |
| 11JM0456  | 1.9      | 0.9      | 43      | 0.21       | 0.055      | 28       | 14       | 0.39      | 700      | 0.041      | 2       | 2.22       | 0.008     | 0.32      | 0.1     | 0.01     | 6.8      | 0.3      | 0.0249    | 5        |
| 11JM0455  | 0.2      | 0.049    | 25      | 0.12       | 0.023      | 40       | 10       | 0.43      | 255      | 0.066      | 0.49    | 1.8        | 0.009     | 0.3       | 0.049   | 0.02     | 3.2      | 0.2      | 0.0249    | 6        |
| 11JM0454  | 0.4      | 0.1      | 49      | 0.22       | 0.031      | 27       | 33       | 0.64      | 334      | 0.08       | 1       | 1.96       | 0.011     | 0.1       | 0.1     | 0.01     | 3.2      | 0.049    | 0.0249    | 5        |
| 11JM0453  | 0.3      | 0.1      | 31      | 0.11       | 0.042      | 15       | 22       | 0.46      | 135      | 0.072      | 0.49    | 1.75       | 0.009     | 0.26      | 0.049   | 0.01     | 3.2      | 0.2      | 0.0249    | 6        |
| 11JM0452  | 0.4      | 0.2      | 58      | 0.09       | 0.046      | 13       | 46       | 0.62      | 186      | 0.078      | 0.49    | 1.83       | 0.013     | 0.11      | 0.1     | 0.02     | 3.2      | 0.1      | 0.0249    | 6        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11JM0451  | 0.4      | 0.2      | 77      | 0.19       | 0.046      | 11       | 77       | 1.25      | 250      | 0.124      | 2       | 3.07       | 0.014     | 0.21      | 0.049   | 0.01     | 6.7      | 0.2      | 0.0249    | 8        |
| 11JM0450  | 0.4      | 0.3      | 69      | 0.6        | 0.118      | 41       | 121      | 1.31      | 722      | 0.135      | 0.49    | 1.99       | 0.019     | 0.16      | 0.049   | 0.03     | 6.2      | 0.2      | 0.0249    | 7        |
| 11JM0449  | 0.4      | 0.1      | 48      | 0.34       | 0.051      | 29       | 35       | 0.69      | 371      | 0.099      | 2       | 1.67       | 0.017     | 0.1       | 0.1     | 0.03     | 5.2      | 0.049    | 0.0249    | 5        |
| 11JM0448  | 0.4      | 0.2      | 51      | 0.16       | 0.018      | 16       | 29       | 0.49      | 209      | 0.069      | 3       | 2.01       | 0.01      | 0.06      | 0.049   | 0.02     | 3        | 0.049    | 0.0249    | 5        |
| 11JM0447  | 0.4      | 0.2      | 55      | 0.13       | 0.018      | 13       | 31       | 0.52      | 220      | 0.063      | 1       | 2.18       | 0.011     | 0.06      | 0.049   | 0.04     | 3        | 0.1      | 0.0249    | 5        |
| 11JM0446  | 0.6      | 0.2      | 64      | 0.15       | 0.039      | 11       | 33       | 0.45      | 199      | 0.061      | 0.49    | 2.45       | 0.01      | 0.07      | 0.2     | 0.04     | 2.9      | 0.049    | 0.0249    | 6        |
| 11JM0445  | 0.7      | 0.2      | 72      | 0.15       | 0.024      | 10       | 31       | 0.47      | 144      | 0.078      | 0.49    | 1.81       | 0.009     | 0.1       | 0.049   | 0.03     | 3.9      | 0.1      | 0.0249    | 7        |
| 11JM0444  | 0.5      | 0.2      | 48      | 0.17       | 0.027      | 15       | 25       | 0.4       | 240      | 0.056      | 1       | 1.59       | 0.011     | 0.08      | 0.1     | 0.03     | 3.1      | 0.049    | 0.0249    | 5        |
| 11JM0443  | 0.4      | 0.2      | 57      | 0.24       | 0.036      | 22       | 34       | 0.54      | 285      | 0.072      | 2       | 1.5        | 0.015     | 0.08      | 0.1     | 0.01     | 3.6      | 0.049    | 0.0249    | 4        |
| 11JM0442  | 0.4      | 0.2      | 63      | 0.25       | 0.035      | 21       | 41       | 0.54      | 365      | 0.075      | 3       | 2.08       | 0.012     | 0.08      | 0.1     | 0.04     | 4.8      | 0.1      | 0.06      | 6        |
| 11JM0441  | 0.8      | 0.1      | 31      | 0.31       | 0.058      | 45       | 23       | 0.29      | 376      | 0.029      | 0.49    | 1.23       | 0.011     | 0.11      | 0.049   | 0.02     | 4.4      | 0.1      | 0.06      | 4        |
| 11JM0440  | 0.4      | 0.2      | 69      | 0.75       | 0.162      | 46       | 65       | 1.06      | 849      | 0.092      | 0.49    | 2.18       | 0.015     | 0.1       | 0.049   | 0.05     | 6.4      | 0.1      | 0.09      | 7        |
| 11JM0270  | 0.2      | 0.049    | 30      | 0.14       | 0.016      | 10       | 12       | 0.53      | 94       | 0.112      | 0.49    | 1.21       | 0.008     | 0.28      | 0.049   | 0.01     | 1.3      | 0.2      | 0.0249    | 4        |
| 11JM0269  | 0.049    | 0.049    | 15      | 0.37       | 0.06       | 26       | 9        | 0.57      | 81       | 0.077      | 0.49    | 1.1        | 0.005     | 0.14      | 0.049   | 0.0049   | 1.4      | 0.1      | 0.0249    | 3        |
| 11JM0268  | 0.2      | 1.9      | 29      | 0.33       | 0.036      | 17       | 15       | 0.34      | 212      | 0.054      | 0.49    | 1.08       | 0.019     | 0.07      | 0.049   | 0.02     | 2.3      | 0.049    | 0.0249    | 3        |
| 11JM0267  | 0.2      | 0.3      | 26      | 0.4        | 0.042      | 21       | 13       | 0.4       | 187      | 0.047      | 0.49    | 1.03       | 0.014     | 0.12      | 0.049   | 0.01     | 2.2      | 0.049    | 0.0249    | 3        |
| 11JM0266  | 0.1      | 0.7      | 20      | 0.19       | 0.043      | 33       | 9        | 0.38      | 248      | 0.036      | 0.49    | 1.19       | 0.013     | 0.18      | 0.049   | 0.02     | 2.1      | 0.1      | 0.0249    | 3        |
| 11JM0265  | 0.2      | 4.8      | 22      | 0.16       | 0.026      | 34       | 11       | 0.26      | 183      | 0.034      | 0.49    | 1.04       | 0.021     | 0.13      | 0.049   | 0.01     | 2.3      | 0.049    | 0.08      | 3        |
| 11JM0264  | 0.2      | 2.9      | 22      | 0.07       | 0.024      | 29       | 14       | 0.29      | 147      | 0.039      | 0.49    | 1.02       | 0.016     | 0.09      | 0.049   | 0.01     | 2.4      | 0.049    | 0.0249    | 3        |
| 11JM0263  | 0.2      | 0.4      | 19      | 0.12       | 0.033      | 46       | 40       | 0.41      | 331      | 0.035      | 0.49    | 1.08       | 0.014     | 0.08      | 0.049   | 0.02     | 3.6      | 0.049    | 0.0249    | 3        |
| 11JM0262  | 0.3      | 0.049    | 39      | 0.2        | 0.027      | 35       | 23       | 0.51      | 121      | 0.087      | 0.49    | 1.39       | 0.008     | 0.32      | 0.049   | 0.01     | 3.3      | 0.2      | 0.0249    | 4        |
| 11JM0261  | 0.1      | 0.049    | 29      | 0.18       | 0.043      | 22       | 12       | 0.42      | 145      | 0.129      | 0.49    | 1.4        | 0.006     | 0.57      | 0.049   | 0.0049   | 2.2      | 0.5      | 0.0249    | 5        |
| 11JM0260  | 0.2      | 0.049    | 38      | 0.2        | 0.028      | 35       | 22       | 0.46      | 146      | 0.083      | 0.49    | 1.31       | 0.008     | 0.33      | 0.049   | 0.01     | 3.2      | 0.2      | 0.0249    | 4        |
| 11JM0259  | 0.1      | 0.049    | 22      | 0.18       | 0.061      | 37       | 12       | 0.24      | 306      | 0.028      | 0.49    | 1.03       | 0.007     | 0.35      | 0.049   | 0.02     | 2.8      | 0.1      | 0.0249    | 4        |
| 11JM0258  | 0.3      | 0.049    | 24      | 0.18       | 0.036      | 117      | 11       | 0.35      | 298      | 0.067      | 0.49    | 1.19       | 0.006     | 0.38      | 0.049   | 0.02     | 3.3      | 0.3      | 0.0249    | 4        |
| 11JM0257  | 0.3      | 0.9      | 29      | 0.14       | 0.034      | 28       | 24       | 0.37      | 248      | 0.047      | 0.49    | 1.05       | 0.023     | 0.09      | 0.049   | 0.01     | 3.2      | 0.049    | 0.06      | 3        |
| 11JM0256  | 0.049    | 0.4      | 18      | 0.19       | 0.034      | 31       | 6        | 0.52      | 190      | 0.099      | 0.49    | 1.34       | 0.013     | 0.36      | 0.049   | 0.0049   | 2.1      | 0.3      | 0.0249    | 4        |
| 11JM0255  | 0.2      | 0.2      | 16      | 0.08       | 0.037      | 29       | 6        | 0.32      | 122      | 0.028      | 0.49    | 1.15       | 0.007     | 0.17      | 0.049   | 0.0049   | 2.2      | 0.1      | 0.0249    | 3        |
| 11JM0254  | 0.2      | 0.049    | 33      | 0.23       | 0.053      | 5        | 10       | 0.53      | 174      | 0.068      | 0.49    | 1.2        | 0.008     | 0.22      | 0.049   | 0.01     | 1.1      | 0.049    | 0.0249    | 8        |
| 11JM0253  | 0.1      | 0.049    | 35      | 0.31       | 0.077      | 12       | 6        | 0.59      | 208      | 0.133      | 0.49    | 1.23       | 0.009     | 0.41      | 0.049   | 0.0049   | 1.8      | 0.2      | 0.0249    | 8        |
| 11JM0252  | 0.2      | 0.6      | 23      | 0.26       | 0.043      | 31       | 8        | 0.48      | 148      | 0.054      | 0.49    | 1.14       | 0.018     | 0.11      | 0.049   | 0.03     | 2.5      | 0.1      | 0.08      | 3        |
| 11JM0251  | 0.1      | 0.1      | 12      | 0.23       | 0.035      | 26       | 4        | 0.22      | 107      | 0.037      | 0.49    | 0.8        | 0.024     | 0.07      | 0.049   | 0.0049   | 1.8      | 0.049    | 0.06      | 2        |
| 11JM0250  | 0.1      | 0.049    | 20      | 0.21       | 0.053      | 19       | 7        | 0.49      | 174      | 0.108      | 0.49    | 1.1        | 0.009     | 0.39      | 0.049   | 0.02     | 1.3      | 0.3      | 0.0249    | 3        |
| 11JM0249  | 0.049    | 0.049    | 56      | 0.37       | 0.08       | 17       | 5        | 1.15      | 321      | 0.258      | 0.49    | 1.99       | 0.011     | 0.96      | 0.1     | 0.0049   | 1.3      | 0.7      | 0.07      | 5        |
| 11JM0248  | 0.5      | 0.3      | 8       | 0.18       | 0.049      | 32       | 3        | 0.12      | 188      | 0.006      | 0.49    | 0.51       | 0.019     | 0.1       | 0.049   | 0.1      | 2.4      | 0.1      | 0.12      | 1        |
| 11JM0247  | 0.3      | 0.049    | 16      | 0.36       | 0.062      | 20       | 9        | 0.37      | 197      | 0.036      | 0.49    | 1.13       | 0.025     | 0.1       | 0.049   | 0.02     | 2.2      | 0.1      | 0.0249    | 3        |
| 11JM0246  | 0.2      | 0.2      | 14      | 0.16       | 0.044      | 36       | 8        | 0.13      | 222      | 0.009      | 0.49    | 0.57       | 0.086     | 0.21      | 0.049   | 0.01     | 2        | 0.049    | 0.47      | 2        |
| 11JM0245  | 0.1      | 7.2      | 14      | 0.16       | 0.058      | 31       | 14       | 0.27      | 160      | 0.042      | 0.49    | 1.03       | 0.059     | 0.11      | 0.049   | 0.01     | 2.8      | 0.1      | 0.24      | 3        |
| 11JM0244  | 0.2      | 16.1     | 12      | 0.1        | 0.042      | 31       | 8        | 0.26      | 119      | 0.035      | 0.49    | 0.94       | 0.038     | 0.11      | 0.049   | 0.02     | 2.7      | 0.1      | 0.19      | 2        |
| 11JM0243  | 0.2      | 7        | 21      | 0.12       | 0.036      | 28       | 14       | 0.27      | 154      | 0.041      | 0.49    | 0.91       | 0.056     | 0.1       | 0.049   | 0.01     | 2        | 0.1      | 0.23      | 3        |
| 11JM0242  | 0.2      | 5.4      | 32      | 0.16       | 0.063      | 38       | 25       | 0.66      | 140      | 0.097      | 0.49    | 1.43       | 0.065     | 0.14      | 0.049   | 0.02     | 3.3      | 0.2      | 0.31      | 4        |
| 11JM0241  | 0.2      | 10       | 33      | 0.14       | 0.07       | 42       | 15       | 0.63      | 134      | 0.108      | 0.49    | 1.46       | 0.071     | 0.19      | 0.049   | 0.01     | 4.2      | 0.2      | 0.36      | 5        |
| 11JM0240  | 0.2      | 5        | 22      | 0.22       | 0.039      | 29       | 19       | 0.36      | 185      | 0.042      | 0.49    | 1.01       | 0.04      | 0.1       | 0.049   | 0.01     | 2.4      | 0.1      | 0.17      | 3        |
| 11JM0239  | 0.3      | 6.3      | 8       | 0.07       | 0.056      | 45       | 3        | 0.05      | 161      | 0.048      | 1       | 0.45       | 0.102     | 0.21      | 0.049   | 0.04     | 1.7      | 0.2      | 0.59      | 2        |
| 11JM0238  | 0.2      | 3.5      | 17      | 0.16       | 0.031      | 47       | 10       | 0.26      | 195      | 0.027      | 0.49    | 0.77       | 0.031     | 0.22      | 0.049   | 0.01     | 2.1      | 0.1      | 0.34      | 2        |
| 11JM0237  | 0.2      | 12       | 4       | 0.09       | 0.085      | 58       | 3        | 0.05      | 135      | 0.002      | 0.49    | 0.47       | 0.202     | 0.23      | 0.049   | 0.01     | 2.1      | 0.1      | 0.9       | 2        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11JM0236  | 0.2      | 3.6      | 3       | 0.07       | 0.026      | 47       | 1        | 0.03      | 84       | 0.002      | 1       | 0.2        | 0.072     | 0.89      | 0.049   | 0.0049   | 0.6      | 0.8      | 2.12      | 1        |
| 11JM0235  | 0.2      | 3.7      | 5       | 0.09       | 0.054      | 53       | 3        | 0.08      | 139      | 0.005      | 0.49    | 0.63       | 0.144     | 0.36      | 0.049   | 0.01     | 2        | 0.3      | 1.05      | 1        |
| 11JM0234  | 0.6      | 0.3      | 39      | 0.23       | 0.049      | 28       | 13       | 0.6       | 173      | 0.063      | 1       | 1.62       | 0.011     | 0.24      | 0.049   | 0.0049   | 3        | 0.2      | 0.0249    | 5        |
| 11JM0233  | 0.3      | 6.3      | 26      | 0.12       | 0.036      | 30       | 12       | 0.23      | 208      | 0.037      | 0.49    | 0.97       | 0.04      | 0.16      | 0.049   | 0.02     | 1.8      | 0.1      | 0.28      | 3        |
| 11JM0232  | 0.2      | 4.5      | 16      | 0.07       | 0.042      | 43       | 14       | 0.4       | 185      | 0.039      | 0.49    | 1.28       | 0.061     | 0.16      | 0.049   | 0.01     | 2.1      | 0.049    | 0.34      | 3        |
| 11JM0231  | 0.2      | 2.3      | 14      | 0.12       | 0.039      | 42       | 9        | 0.2       | 177      | 0.015      | 0.49    | 0.97       | 0.038     | 0.13      | 0.049   | 0.0049   | 2.6      | 0.1      | 0.27      | 2        |
| 11JM0230  | 0.2      | 8.4      | 11      | 0.11       | 0.05       | 51       | 8        | 0.22      | 211      | 0.043      | 1       | 0.84       | 0.106     | 0.22      | 0.049   | 0.0049   | 2.1      | 0.2      | 0.67      | 2        |
| 11JM0229  | 0.2      | 10.6     | 8       | 0.11       | 0.054      | 60       | 7        | 0.16      | 210      | 0.009      | 0.49    | 1.06       | 0.083     | 0.21      | 0.049   | 0.02     | 3.8      | 0.1      | 0.55      | 2        |
| 11JM0228  | 0.3      | 8.4      | 17      | 0.15       | 0.062      | 56       | 12       | 0.26      | 190      | 0.078      | 0.49    | 1.04       | 0.12      | 0.19      | 0.1     | 0.02     | 2.9      | 0.2      | 0.69      | 3        |
| 11JM0227  | 0.3      | 14       | 5       | 0.14       | 0.056      | 54       | 3        | 0.06      | 156      | 0.008      | 0.49    | 0.41       | 0.102     | 0.25      | 0.049   | 0.03     | 1.8      | 0.2      | 0.73      | 1        |
| 11JM0226  | 0.4      | 8.8      | 10      | 0.18       | 0.065      | 40       | 5        | 0.14      | 178      | 0.06       | 0.49    | 0.56       | 0.076     | 0.23      | 0.1     | 0.03     | 2.3      | 0.2      | 0.66      | 2        |
| 11JM0225  | 0.3      | 6.8      | 17      | 0.21       | 0.068      | 54       | 13       | 0.37      | 270      | 0.082      | 0.49    | 1.11       | 0.068     | 0.2       | 0.049   | 0.0049   | 2.6      | 0.3      | 0.5       | 3        |
| 11JM0224  | 0.3      | 10.9     | 19      | 0.32       | 0.059      | 26       | 15       | 0.44      | 241      | 0.063      | 1       | 1.11       | 0.027     | 0.1       | 0.049   | 0.02     | 2.2      | 0.1      | 0.2       | 3        |
| 11JM0223  | 0.2      | 0.2      | 24      | 0.44       | 0.046      | 32       | 17       | 0.69      | 143      | 0.091      | 0.49    | 1.58       | 0.019     | 0.11      | 0.049   | 0.01     | 2.4      | 0.1      | 0.09      | 3        |
| 11JM0222  | 0.049    | 0.049    | 16      | 0.28       | 0.043      | 24       | 5        | 0.39      | 161      | 0.108      | 0.49    | 1.19       | 0.022     | 0.37      | 0.049   | 0.0049   | 1.1      | 0.3      | 0.12      | 3        |
| 11JM0221  | 0.1      | 0.1      | 12      | 0.23       | 0.029      | 19       | 5        | 0.33      | 137      | 0.053      | 0.49    | 1.07       | 0.011     | 0.25      | 0.049   | 0.0049   | 1.4      | 0.2      | 0.09      | 2        |
| 11JM0220  | 0.3      | 0.2      | 11      | 0.22       | 0.038      | 33       | 5        | 0.26      | 107      | 0.019      | 0.49    | 0.92       | 0.008     | 0.11      | 0.049   | 0.0049   | 2        | 0.2      | 0.0249    | 2        |
| 11JM0219  | 0.2      | 0.7      | 9       | 0.13       | 0.037      | 35       | 4        | 0.16      | 120      | 0.021      | 2       | 0.99       | 0.029     | 0.1       | 0.049   | 0.0049   | 2.1      | 0.049    | 0.18      | 2        |
| 11JM0218  | 0.3      | 0.6      | 32      | 0.12       | 0.046      | 47       | 11       | 0.42      | 185      | 0.045      | 0.49    | 1.49       | 0.028     | 0.16      | 0.049   | 0.02     | 3.7      | 0.2      | 0.19      | 4        |
| 11JM0217  | 0.3      | 1        | 22      | 0.1        | 0.049      | 34       | 7        | 0.28      | 122      | 0.028      | 2       | 1.24       | 0.013     | 0.15      | 0.049   | 0.01     | 4.2      | 0.3      | 0.11      | 3        |
| 11JM0215  | 0.2      | 6.1      | 26      | 0.35       | 0.045      | 30       | 18       | 0.42      | 268      | 0.058      | 1       | 1.29       | 0.022     | 0.13      | 0.049   | 0.02     | 2.7      | 0.1      | 0.1       | 3        |
| 11JM0214  | 0.2      | 9.1      | 13      | 0.14       | 0.072      | 50       | 7        | 0.2       | 164      | 0.048      | 0.49    | 1          | 0.113     | 0.14      | 0.049   | 0.0049   | 2.4      | 0.1      | 0.51      | 3        |
| 11JM0213  | 0.2      | 8.6      | 29      | 0.34       | 0.043      | 30       | 30       | 0.76      | 179      | 0.095      | 2       | 1.7        | 0.031     | 0.11      | 0.049   | 0.0049   | 2.7      | 0.2      | 0.15      | 3        |
| 11JM0212  | 0.1      | 3.6      | 24      | 0.21       | 0.055      | 48       | 18       | 0.54      | 182      | 0.069      | 0.49    | 1.25       | 0.067     | 0.14      | 0.049   | 0.0049   | 2.3      | 0.1      | 0.32      | 3        |
| 11JM0211  | 0.3      | 0.4      | 22      | 0.23       | 0.027      | 15       | 14       | 0.4       | 105      | 0.068      | 0.49    | 1.59       | 0.009     | 0.12      | 0.049   | 0.0049   | 2        | 0.1      | 0.0249    | 3        |
| 11JM0210  | 0.3      | 4.6      | 30      | 0.19       | 0.035      | 24       | 15       | 0.38      | 215      | 0.085      | 0.49    | 1.35       | 0.092     | 0.14      | 0.049   | 0.0049   | 3.1      | 0.049    | 0.43      | 4        |
| 11JM0209  | 0.3      | 13.2     | 30      | 0.08       | 0.032      | 27       | 18       | 0.23      | 163      | 0.027      | 0.49    | 1.35       | 0.019     | 0.08      | 0.049   | 0.01     | 2.5      | 0.1      | 0.11      | 4        |
| 11JM0208  | 0.3      | 0.2      | 54      | 0.49       | 0.072      | 33       | 17       | 0.77      | 392      | 0.078      | 1       | 1.5        | 0.012     | 0.27      | 0.049   | 0.04     | 6        | 0.2      | 0.0249    | 5        |
| 11JM0207  | 0.4      | 0.3      | 30      | 0.32       | 0.046      | 30       | 13       | 0.44      | 465      | 0.04       | 1       | 1.24       | 0.013     | 0.18      | 0.049   | 0.01     | 4.3      | 0.1      | 0.0249    | 4        |
| 11JM0206  | 0.2      | 1        | 15      | 0.21       | 0.049      | 49       | 18       | 0.35      | 274      | 0.025      | 0.49    | 1.15       | 0.024     | 0.15      | 0.049   | 0.0049   | 2.7      | 0.1      | 0.16      | 3        |
| 11JM0205  | 0.2      | 4.4      | 21      | 0.17       | 0.048      | 36       | 10       | 0.3       | 347      | 0.05       | 0.49    | 0.97       | 0.082     | 0.14      | 0.049   | 0.01     | 2.6      | 0.1      | 0.35      | 3        |
| 11JM0204  | 0.2      | 1.8      | 28      | 0.25       | 0.057      | 52       | 21       | 1.04      | 399      | 0.101      | 0.49    | 2.01       | 0.074     | 0.14      | 0.049   | 0.0049   | 2.6      | 0.2      | 0.34      | 4        |
| 11JM0203  | 0.2      | 2.3      | 23      | 0.22       | 0.038      | 42       | 11       | 0.36      | 583      | 0.039      | 1       | 1.24       | 0.027     | 0.2       | 0.049   | 0.01     | 3.5      | 0.1      | 0.11      | 4        |
| 11JM0202  | 0.3      | 0.2      | 49      | 0.16       | 0.026      | 19       | 20       | 0.56      | 317      | 0.084      | 1       | 1.73       | 0.01      | 0.22      | 0.049   | 0.02     | 2.4      | 0.2      | 0.0249    | 6        |
| 11JM0200  | 0.2      | 0.2      | 44      | 0.2        | 0.032      | 40       | 16       | 0.72      | 206      | 0.146      | 2       | 1.66       | 0.011     | 0.38      | 0.1     | 0.0049   | 3.3      | 0.3      | 0.0249    | 6        |
| 11JM0199  | 0.1      | 0.2      | 33      | 0.11       | 0.026      | 23       | 9        | 0.57      | 188      | 0.07       | 2       | 1.79       | 0.006     | 0.31      | 0.049   | 0.0049   | 1.9      | 0.2      | 0.0249    | 6        |
| 11GR0052  | 0.5      | 0.2      | 70      | 0.73       | 0.105      | 15       | 27       | 0.86      | 376      | 0.095      | 0.49    | 1.73       | 0.02      | 0.05      | 0.2     | 0.04     | 5.7      | 0.049    | 0.0249    | 7        |
| 11GR0050  | 0.5      | 0.1      | 78      | 0.79       | 0.129      | 18       | 34       | 1         | 555      | 0.106      | 0.49    | 1.89       | 0.02      | 0.11      | 0.1     | 0.02     | 7.2      | 0.049    | 0.0249    | 7        |
| 11GR0048  | 0.5      | 0.2      | 83      | 0.74       | 0.085      | 25       | 44       | 1.02      | 495      | 0.111      | 0.49    | 2.09       | 0.018     | 0.08      | 0.2     | 0.03     | 8.3      | 0.049    | 0.0249    | 7        |
| 11GR0047  | 0.5      | 0.2      | 75      | 0.93       | 0.081      | 26       | 40       | 0.9       | 465      | 0.092      | 0.49    | 1.86       | 0.02      | 0.09      | 0.1     | 0.04     | 8.2      | 0.049    | 0.05      | 7        |
| 11GR0046  | 0.4      | 0.2      | 62      | 0.42       | 0.054      | 19       | 40       | 0.76      | 392      | 0.074      | 0.49    | 1.95       | 0.015     | 0.06      | 0.1     | 0.03     | 5        | 0.049    | 0.0249    | 7        |
| 11GR0044  | 0.6      | 0.049    | 55      | 0.71       | 0.138      | 24       | 26       | 0.74      | 405      | 0.054      | 1       | 1.48       | 0.017     | 0.07      | 0.2     | 0.04     | 5.9      | 0.049    | 0.0249    | 6        |
| 11GR0041  | 0.5      | 0.3      | 51      | 0.63       | 0.08       | 25       | 26       | 0.61      | 479      | 0.05       | 0.49    | 1.51       | 0.017     | 0.06      | 0.1     | 0.07     | 5.6      | 0.049    | 0.06      | 5        |
| 11GR0040  | 0.5      | 0.5      | 55      | 1.22       | 0.12       | 37       | 26       | 0.67      | 569      | 0.043      | 0.49    | 1.64       | 0.019     | 0.06      | 0.1     | 0.05     | 6.3      | 0.049    | 0.09      | 6        |
| 11GR0038  | 0.5      | 0.2      | 73      | 0.75       | 0.109      | 24       | 35       | 1.06      | 374      | 0.136      | 0.49    | 2.31       | 0.024     | 0.09      | 0.1     | 0.04     | 7.4      | 0.049    | 0.0249    | 8        |
| 11GR0035  | 0.7      | 0.2      | 72      | 0.7        | 0.102      | 23       | 33       | 0.94      | 396      | 0.104      | 0.49    | 1.99       | 0.023     | 0.08      | 0.1     | 0.04     | 7.2      | 0.049    | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11GR0029  | 0.5      | 0.1      | 56      | 0.63       | 0.116      | 30       | 21       | 0.67      | 461      | 0.043      | 0.49    | 1.56       | 0.017     | 0.08      | 0.1     | 0.03     | 7.5      | 0.049    | 0.0249    | 6        |
| 11GR0028  | 0.5      | 0.1      | 48      | 0.4        | 0.049      | 17       | 23       | 0.48      | 403      | 0.043      | 0.49    | 1.49       | 0.013     | 0.06      | 0.1     | 0.02     | 3.5      | 0.049    | 0.0249    | 5        |
| 11GR0027  | 0.5      | 0.2      | 61      | 0.38       | 0.062      | 18       | 27       | 0.6       | 393      | 0.053      | 0.49    | 1.68       | 0.013     | 0.06      | 0.1     | 0.02     | 4.4      | 0.049    | 0.0249    | 6        |
| 11GR0026  | 0.4      | 0.1      | 65      | 0.48       | 0.058      | 19       | 27       | 0.63      | 536      | 0.051      | 0.49    | 1.72       | 0.012     | 0.06      | 0.1     | 0.0049   | 4.5      | 0.049    | 0.0249    | 7        |
| 11GR0025  | 0.3      | 0.1      | 55      | 0.23       | 0.112      | 8        | 23       | 0.68      | 257      | 0.025      | 0.49    | 1.89       | 0.008     | 0.1       | 0.049   | 0.02     | 3.2      | 0.049    | 0.0249    | 7        |
| 11GR0024  | 0.3      | 0.2      | 62      | 0.15       | 0.051      | 12       | 38       | 0.56      | 147      | 0.05       | 0.49    | 1.31       | 0.009     | 0.04      | 0.1     | 0.02     | 3.5      | 0.049    | 0.0249    | 7        |
| 11GR0023  | 0.5      | 0.2      | 55      | 0.28       | 0.074      | 14       | 24       | 0.52      | 310      | 0.026      | 0.49    | 1.63       | 0.009     | 0.05      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 6        |
| 11GR0022  | 0.6      | 0.1      | 67      | 0.53       | 0.149      | 19       | 18       | 0.71      | 449      | 0.036      | 1       | 1.49       | 0.012     | 0.07      | 0.2     | 0.03     | 5        | 0.049    | 0.0249    | 6        |
| 11GR0021  | 0.4      | 0.2      | 66      | 0.46       | 0.078      | 18       | 25       | 0.69      | 364      | 0.075      | 1       | 1.69       | 0.017     | 0.04      | 0.2     | 0.03     | 5.2      | 0.1      | 0.0249    | 6        |
| 11GR0020  | 0.5      | 0.2      | 66      | 0.52       | 0.093      | 13       | 27       | 0.66      | 401      | 0.067      | 0.49    | 1.68       | 0.019     | 0.06      | 0.1     | 0.05     | 5.9      | 0.049    | 0.0249    | 6        |
| 11GR0019  | 0.5      | 0.2      | 72      | 0.73       | 0.125      | 12       | 20       | 0.7       | 357      | 0.059      | 2       | 1.59       | 0.018     | 0.05      | 0.2     | 0.03     | 5.6      | 0.049    | 0.0249    | 6        |
| 11GR0009  | 0.4      | 0.1      | 66      | 0.64       | 0.174      | 13       | 19       | 0.74      | 349      | 0.086      | 1       | 1.52       | 0.017     | 0.08      | 0.2     | 0.02     | 4.5      | 0.049    | 0.0249    | 6        |
| 11GR0008  | 0.5      | 0.2      | 58      | 0.49       | 0.081      | 17       | 23       | 0.58      | 417      | 0.041      | 1       | 1.64       | 0.012     | 0.06      | 0.2     | 0.03     | 4.4      | 0.049    | 0.0249    | 6        |
| 11GR0004  | 1.2      | 0.1      | 83      | 0.81       | 0.207      | 14       | 18       | 1.13      | 402      | 0.069      | 2       | 1.78       | 0.02      | 0.08      | 0.049   | 0.03     | 8        | 0.049    | 0.0249    | 8        |
| 11GR0003  | 0.4      | 0.2      | 65      | 0.7        | 0.108      | 16       | 22       | 0.62      | 631      | 0.047      | 2       | 1.67       | 0.016     | 0.07      | 0.2     | 0.04     | 6.1      | 0.049    | 0.0249    | 6        |
| 11DS1260  | 0.2      | 0.3      | 70      | 0.72       | 0.23       | 41       | 139      | 1.46      | 993      | 0.014      | 0.49    | 2.19       | 0.014     | 0.14      | 0.049   | 0.02     | 9.4      | 0.049    | 0.0249    | 8        |
| 11DS1259  | 0.3      | 0.2      | 62      | 0.58       | 0.169      | 44       | 61       | 0.82      | 812      | 0.045      | 1       | 1.87       | 0.01      | 0.27      | 0.049   | 0.03     | 12.8     | 0.1      | 0.0249    | 6        |
| 11DS1258  | 0.3      | 0.1      | 76      | 0.39       | 0.027      | 11       | 75       | 1.19      | 154      | 0.135      | 0.49    | 2.28       | 0.018     | 0.26      | 0.1     | 0.0049   | 8.1      | 0.2      | 0.0249    | 6        |
| 11DS1257  | 0.3      | 0.2      | 83      | 0.23       | 0.048      | 6        | 30       | 0.93      | 210      | 0.187      | 2       | 2.24       | 0.012     | 0.37      | 0.2     | 0.0049   | 2.5      | 0.2      | 0.0249    | 6        |
| 11DS1256  | 0.1      | 0.049    | 64      | 0.26       | 0.07       | 6        | 28       | 1.15      | 222      | 0.2        | 0.49    | 2.33       | 0.009     | 0.64      | 0.1     | 0.0049   | 3.2      | 0.3      | 0.0249    | 6        |
| 11DS1255  | 0.1      | 0.049    | 131     | 2.48       | 0.77       | 6        | 15       | 1.44      | 437      | 0.076      | 0.49    | 2.14       | 0.062     | 0.5       | 0.049   | 0.0049   | 8.2      | 0.1      | 0.0249    | 6        |
| 11DS1254  | 0.2      | 0.1      | 71      | 0.37       | 0.079      | 11       | 28       | 0.87      | 352      | 0.171      | 0.49    | 1.86       | 0.019     | 0.32      | 0.1     | 0.02     | 3.9      | 0.2      | 0.0249    | 6        |
| 11DS1253  | 0.1      | 0.049    | 86      | 0.37       | 0.155      | 4        | 17       | 1.22      | 256      | 0.263      | 0.49    | 2.49       | 0.008     | 0.77      | 0.049   | 0.01     | 3        | 0.3      | 0.0249    | 10       |
| 11DS1252  | 0.2      | 0.049    | 86      | 0.36       | 0.052      | 9        | 22       | 0.99      | 287      | 0.172      | 1       | 2.01       | 0.016     | 0.34      | 0.1     | 0.02     | 4.2      | 0.2      | 0.0249    | 7        |
| 11DS1251  | 0.3      | 0.1      | 78      | 0.3        | 0.042      | 9        | 29       | 0.77      | 209      | 0.11       | 0.49    | 1.78       | 0.014     | 0.07      | 0.1     | 0.02     | 4.5      | 0.049    | 0.0249    | 7        |
| 11DS1250  | 0.1      | 0.049    | 79      | 0.62       | 0.112      | 11       | 18       | 1.12      | 419      | 0.234      | 0.49    | 2.31       | 0.009     | 0.56      | 0.049   | 0.01     | 3.4      | 0.3      | 0.0249    | 7        |
| 11DS1249  | 0.2      | 0.049    | 89      | 0.39       | 0.083      | 9        | 21       | 1.35      | 257      | 0.157      | 0.49    | 2.11       | 0.015     | 0.31      | 0.049   | 0.01     | 6.3      | 0.2      | 0.0249    | 7        |
| 11DS1248  | 0.049    | 0.049    | 100     | 0.46       | 0.117      | 11       | 27       | 2.04      | 289      | 0.152      | 0.49    | 2.28       | 0.01      | 0.52      | 0.049   | 0.0049   | 12.7     | 0.2      | 0.0249    | 10       |
| 11DS1247  | 0.2      | 0.1      | 73      | 0.31       | 0.073      | 14       | 45       | 1.17      | 309      | 0.149      | 0.49    | 1.99       | 0.011     | 0.13      | 0.1     | 0.01     | 6.4      | 0.1      | 0.0249    | 7        |
| 11DS1246  | 0.2      | 0.1      | 73      | 0.44       | 0.098      | 11       | 42       | 0.82      | 243      | 0.103      | 0.49    | 1.56       | 0.014     | 0.16      | 0.049   | 0.0049   | 7.6      | 0.049    | 0.0249    | 7        |
| 11DS1245  | 0.2      | 0.1      | 61      | 0.38       | 0.071      | 12       | 30       | 0.71      | 258      | 0.112      | 0.49    | 1.47       | 0.015     | 0.11      | 0.1     | 0.03     | 5.1      | 0.1      | 0.0249    | 6        |
| 11DS1244  | 0.2      | 0.049    | 57      | 0.31       | 0.069      | 10       | 25       | 0.74      | 196      | 0.113      | 0.49    | 1.36       | 0.012     | 0.14      | 0.1     | 0.02     | 4.3      | 0.049    | 0.0249    | 5        |
| 11DS1243  | 0.2      | 0.049    | 71      | 0.44       | 0.088      | 9        | 57       | 1.48      | 255      | 0.135      | 0.49    | 1.81       | 0.013     | 0.14      | 0.1     | 0.02     | 5.7      | 0.049    | 0.0249    | 6        |
| 11DS1242  | 0.1      | 0.049    | 68      | 0.36       | 0.052      | 9        | 49       | 1.24      | 210      | 0.125      | 17      | 1.53       | 0.017     | 0.15      | 0.049   | 0.01     | 5.7      | 0.049    | 0.0249    | 7        |
| 11DS1240  | 0.1      | 0.049    | 37      | 0.24       | 0.056      | 16       | 11       | 0.92      | 106      | 0.086      | 1       | 1.07       | 0.005     | 0.11      | 0.049   | 0.0049   | 9.6      | 0.049    | 0.0249    | 5        |
| 11DS1239  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11DS1238  | 0.2      | 0.1      | 99      | 0.45       | 0.1        | 8        | 91       | 1.86      | 315      | 0.178      | 0.49    | 2.32       | 0.018     | 0.49      | 0.1     | 0.01     | 5.2      | 0.2      | 0.0249    | 7        |
| 11DS1237  | 0.3      | 0.1      | 89      | 0.26       | 0.053      | 8        | 62       | 1.1       | 194      | 0.154      | 2       | 2.13       | 0.017     | 0.1       | 0.049   | 0.02     | 3.4      | 0.1      | 0.0249    | 7        |
| 11DS1236  | 0.2      | 0.049    | 84      | 0.31       | 0.08       | 7        | 112      | 1.58      | 157      | 0.154      | 2       | 2.28       | 0.021     | 0.26      | 0.049   | 0.01     | 3.8      | 0.1      | 0.0249    | 6        |
| 11DS1235  | 0.2      | 0.049    | 80      | 0.34       | 0.084      | 9        | 26       | 0.78      | 190      | 0.141      | 2       | 1.68       | 0.014     | 0.11      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 5        |
| 11DS1234  | 0.2      | 0.049    | 73      | 0.42       | 0.073      | 11       | 33       | 0.91      | 230      | 0.15       | 2       | 1.77       | 0.017     | 0.13      | 0.1     | 0.02     | 3.9      | 0.2      | 0.0249    | 6        |
| 11DS1233  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11DS1232  | 0.2      | 0.049    | 72      | 0.6        | 0.086      | 9        | 30       | 1.01      | 266      | 0.173      | 2       | 1.91       | 0.016     | 0.19      | 0.1     | 0.03     | 3.9      | 0.2      | 0.0249    | 6        |
| 11DS1231  | 0.2      | 0.049    | 66      | 0.32       | 0.059      | 11       | 22       | 0.71      | 199      | 0.143      | 1       | 1.76       | 0.013     | 0.24      | 0.1     | 0.04     | 3.8      | 0.2      | 0.0249    | 6        |
| 11DS1230  | 0.2      | 0.2      | 94      | 0.42       | 0.062      | 14       | 30       | 0.99      | 221      | 0.156      | 2       | 2.17       | 0.017     | 0.23      | 0.1     | 0.02     | 5        | 0.2      | 0.0249    | 7        |
| 11DS1229  | 0.2      | 0.049    | 84      | 0.42       | 0.071      | 11       | 23       | 0.98      | 232      | 0.181      | 2       | 2.07       | 0.016     | 0.32      | 0.049   | 0.02     | 3.8      | 0.2      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS1228  | 0.1      | 0.049    | 117     | 0.57       | 0.082      | 5        | 22       | 1.35      | 350      | 0.27       | 2       | 2.54       | 0.019     | 0.56      | 0.1     | 0.0049   | 3.7      | 0.3      | 0.0249    | 7        |
| 11DS1227  | 0.3      | 0.1      | 68      | 0.14       | 0.062      | 15       | 18       | 0.76      | 109      | 0.152      | 1       | 1.39       | 0.007     | 0.32      | 0.1     | 0.0049   | 4.8      | 0.3      | 0.0249    | 7        |
| 11DS1226  | 0.3      | 0.2      | 76      | 0.19       | 0.046      | 11       | 26       | 0.9       | 157      | 0.166      | 2       | 2          | 0.009     | 0.24      | 0.2     | 0.02     | 4.5      | 0.2      | 0.0249    | 8        |
| 11DS1225  | 0.3      | 0.2      | 74      | 0.28       | 0.046      | 22       | 28       | 0.86      | 285      | 0.155      | 3       | 2.01       | 0.013     | 0.19      | 0.1     | 0.02     | 5.9      | 0.2      | 0.0249    | 7        |
| 11DS1224  | 0.2      | 0.2      | 80      | 0.23       | 0.052      | 12       | 24       | 0.9       | 189      | 0.175      | 2       | 2          | 0.011     | 0.28      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 8        |
| 11DS1223  | 0.2      | 0.1      | 66      | 0.21       | 0.05       | 13       | 22       | 0.95      | 186      | 0.159      | 2       | 1.81       | 0.01      | 0.26      | 0.2     | 0.02     | 4.6      | 0.2      | 0.0249    | 7        |
| 11DS1222  | 0.3      | 0.2      | 95      | 0.31       | 0.038      | 19       | 37       | 0.95      | 311      | 0.182      | 2       | 2.45       | 0.011     | 0.21      | 0.1     | 0.02     | 6.7      | 0.2      | 0.0249    | 9        |
| 11DS1220  | 0.2      | 0.2      | 76      | 0.26       | 0.038      | 21       | 35       | 0.8       | 253      | 0.17       | 0.49    | 2.11       | 0.011     | 0.19      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 7        |
| 11DS1219  | 0.3      | 0.2      | 59      | 0.2        | 0.027      | 20       | 25       | 0.41      | 284      | 0.087      | 2       | 1.78       | 0.013     | 0.09      | 0.049   | 0.04     | 3.2      | 0.1      | 0.0249    | 6        |
| 11DS1218  | 0.4      | 0.2      | 81      | 0.37       | 0.054      | 14       | 45       | 0.76      | 372      | 0.13       | 2       | 2.52       | 0.012     | 0.12      | 0.1     | 0.03     | 4.7      | 0.1      | 0.0249    | 8        |
| 11DS1217  | 0.3      | 0.2      | 82      | 0.27       | 0.046      | 14       | 34       | 0.94      | 266      | 0.176      | 2       | 2.2        | 0.011     | 0.26      | 0.049   | 0.03     | 5.2      | 0.2      | 0.0249    | 8        |
| 11DS1216  | 0.4      | 0.2      | 91      | 0.08       | 0.053      | 8        | 27       | 0.5       | 72       | 0.137      | 2       | 1.76       | 0.008     | 0.1       | 0.1     | 0.03     | 2.8      | 0.1      | 0.0249    | 8        |
| 11DS1215  | 0.3      | 0.1      | 84      | 0.12       | 0.039      | 10       | 29       | 0.66      | 98       | 0.141      | 2       | 1.76       | 0.009     | 0.12      | 0.1     | 0.04     | 4.2      | 0.1      | 0.0249    | 7        |
| 11DS1214  | 0.3      | 0.2      | 72      | 0.1        | 0.04       | 10       | 24       | 0.49      | 94       | 0.104      | 2       | 1.58       | 0.011     | 0.13      | 0.049   | 0.03     | 2.8      | 0.1      | 0.0249    | 7        |
| 11DS1213  | 0.2      | 0.049    | 56      | 0.25       | 0.047      | 14       | 25       | 0.83      | 228      | 0.148      | 0.49    | 1.65       | 0.011     | 0.27      | 0.1     | 0.02     | 4.3      | 0.2      | 0.0249    | 5        |
| 11DS1212  | 0.2      | 0.1      | 79      | 0.29       | 0.062      | 16       | 46       | 1.18      | 348      | 0.176      | 2       | 2.36       | 0.013     | 0.34      | 0.1     | 0.03     | 5.9      | 0.2      | 0.0249    | 8        |
| 11DS1211  | 0.3      | 0.1      | 76      | 0.23       | 0.042      | 14       | 24       | 0.96      | 269      | 0.168      | 1       | 2.29       | 0.011     | 0.33      | 0.049   | 0.03     | 5.6      | 0.2      | 0.0249    | 8        |
| 11DS1210  | 0.3      | 0.1      | 65      | 0.25       | 0.051      | 15       | 30       | 0.71      | 256      | 0.149      | 0.49    | 2.04       | 0.013     | 0.21      | 0.1     | 0.02     | 4.5      | 0.1      | 0.0249    | 7        |
| 11DS1209  | 0.2      | 0.2      | 72      | 0.24       | 0.039      | 13       | 30       | 0.73      | 227      | 0.174      | 1       | 2.03       | 0.012     | 0.17      | 0.1     | 0.02     | 4.4      | 0.1      | 0.0249    | 7        |
| 11DS1208  | 0.3      | 0.1      | 77      | 0.35       | 0.051      | 13       | 32       | 0.97      | 330      | 0.187      | 3       | 2.23       | 0.013     | 0.35      | 0.1     | 0.02     | 5.3      | 0.2      | 0.0249    | 7        |
| 11DS1207  | 0.3      | 0.1      | 69      | 0.23       | 0.05       | 10       | 23       | 1         | 274      | 0.188      | 2       | 2.02       | 0.011     | 0.38      | 0.1     | 0.02     | 4.4      | 0.2      | 0.0249    | 7        |
| 11DS1206  | 0.3      | 0.2      | 80      | 0.25       | 0.049      | 11       | 31       | 1.06      | 282      | 0.191      | 1       | 2.5        | 0.012     | 0.33      | 0.049   | 0.02     | 5.9      | 0.2      | 0.0249    | 8        |
| 11DS1205  | 0.2      | 0.1      | 49      | 0.24       | 0.048      | 11       | 19       | 1.06      | 259      | 0.147      | 0.49    | 1.94       | 0.009     | 0.37      | 0.1     | 0.02     | 4.8      | 0.2      | 0.0249    | 7        |
| 11DS1204  | 0.2      | 0.1      | 52      | 0.23       | 0.05       | 11       | 21       | 1.06      | 200      | 0.141      | 3       | 1.79       | 0.009     | 0.3       | 0.1     | 0.01     | 4.8      | 0.2      | 0.0249    | 7        |
| 11DS1203  | 0.2      | 0.049    | 43      | 0.24       | 0.05       | 16       | 19       | 0.94      | 189      | 0.119      | 0.49    | 1.51       | 0.009     | 0.2       | 0.049   | 0.01     | 4        | 0.1      | 0.0249    | 6        |
| 11DS1202  | 0.2      | 0.1      | 86      | 0.39       | 0.095      | 12       | 22       | 1.33      | 301      | 0.18       | 3       | 2.31       | 0.013     | 0.39      | 0.1     | 0.02     | 6.1      | 0.2      | 0.0249    | 9        |
| 11DS1200  | 0.3      | 0.1      | 58      | 0.27       | 0.05       | 15       | 25       | 0.87      | 227      | 0.129      | 2       | 1.96       | 0.01      | 0.15      | 0.1     | 0.02     | 5.3      | 0.1      | 0.0249    | 7        |
| 11DS1199  | 0.049    | 0.049    | 100     | 0.63       | 0.167      | 13       | 16       | 1.91      | 354      | 0.213      | 0.49    | 2.39       | 0.016     | 0.6       | 0.1     | 0.0049   | 5.7      | 0.2      | 0.0249    | 10       |
| 11DS1198  | 0.2      | 0.049    | 61      | 0.36       | 0.059      | 8        | 30       | 0.69      | 189      | 0.074      | 0.49    | 1.65       | 0.015     | 0.04      | 0.1     | 0.05     | 3.2      | 0.049    | 0.0249    | 5        |
| 11DS1197  | 0.2      | 0.1      | 64      | 0.4        | 0.067      | 10       | 29       | 0.75      | 203      | 0.098      | 0.49    | 1.79       | 0.016     | 0.05      | 0.1     | 0.05     | 3.8      | 0.049    | 0.0249    | 6        |
| 11DS1196  | 0.1      | 0.049    | 49      | 0.38       | 0.061      | 13       | 22       | 0.53      | 190      | 0.084      | 0.49    | 1.63       | 0.013     | 0.08      | 0.1     | 0.04     | 3.4      | 0.1      | 0.0249    | 5        |
| 11DS1195  | 0.3      | 0.1      | 59      | 0.33       | 0.057      | 12       | 24       | 0.64      | 167      | 0.076      | 0.49    | 1.65       | 0.017     | 0.05      | 0.1     | 0.03     | 4        | 0.049    | 0.0249    | 6        |
| 11DS1194  | 0.2      | 0.1      | 82      | 0.42       | 0.063      | 15       | 28       | 0.92      | 257      | 0.144      | 1       | 2.17       | 0.018     | 0.18      | 0.1     | 0.04     | 5.5      | 0.2      | 0.0249    | 7        |
| 11DS1193  | 0.2      | 0.1      | 85      | 0.4        | 0.061      | 12       | 25       | 0.85      | 264      | 0.154      | 0.49    | 1.94       | 0.013     | 0.23      | 0.1     | 0.02     | 5        | 0.2      | 0.0249    | 7        |
| 11DS1192  | 0.2      | 0.1      | 75      | 0.59       | 0.099      | 19       | 32       | 1.08      | 324      | 0.139      | 0.49    | 2.05       | 0.012     | 0.3       | 0.1     | 0.02     | 5.8      | 0.3      | 0.0249    | 7        |
| 11DS1191  | 0.2      | 0.1      | 83      | 0.64       | 0.09       | 9        | 34       | 1.24      | 306      | 0.196      | 1       | 2.15       | 0.013     | 0.26      | 0.2     | 0.03     | 3.9      | 0.3      | 0.0249    | 6        |
| 11DS1190  | 0.1      | 0.049    | 70      | 0.68       | 0.093      | 8        | 28       | 1.08      | 328      | 0.192      | 0.49    | 2          | 0.014     | 0.3       | 0.2     | 0.01     | 3.2      | 0.3      | 0.0249    | 6        |
| 11DS1189  | 0.2      | 0.049    | 88      | 0.43       | 0.088      | 7        | 25       | 1.07      | 251      | 0.185      | 0.49    | 1.94       | 0.012     | 0.32      | 0.2     | 0.02     | 3        | 0.3      | 0.0249    | 7        |
| 11DS1188  | 0.1      | 0.049    | 84      | 0.52       | 0.09       | 7        | 23       | 1.03      | 232      | 0.191      | 1       | 1.91       | 0.015     | 0.21      | 0.2     | 0.02     | 3.2      | 0.2      | 0.0249    | 8        |
| 11DS1187  | 0.2      | 0.049    | 75      | 0.37       | 0.056      | 7        | 24       | 0.78      | 201      | 0.168      | 0.49    | 1.54       | 0.013     | 0.16      | 0.1     | 0.05     | 2.9      | 0.2      | 0.0249    | 7        |
| 11DS1186  | 0.2      | 0.049    | 56      | 0.42       | 0.078      | 10       | 26       | 0.79      | 251      | 0.127      | 1       | 1.76       | 0.013     | 0.09      | 0.1     | 0.04     | 3.9      | 0.2      | 0.0249    | 7        |
| 11DS1184  | 0.2      | 0.049    | 60      | 0.68       | 0.094      | 9        | 45       | 0.88      | 247      | 0.102      | 0.49    | 1.52       | 0.02      | 0.08      | 0.1     | 0.02     | 4.1      | 0.049    | 0.0249    | 5        |
| 11DS1183  | 0.2      | 0.049    | 64      | 0.72       | 0.101      | 15       | 34       | 0.86      | 308      | 0.094      | 0.49    | 1.58       | 0.016     | 0.09      | 0.1     | 0.02     | 4.7      | 0.049    | 0.0249    | 6        |
| 11DS1182  | 0.2      | 0.049    | 59      | 0.47       | 0.085      | 7        | 37       | 0.81      | 157      | 0.067      | 1       | 1.56       | 0.02      | 0.05      | 0.1     | 0.03     | 3.7      | 0.049    | 0.0249    | 5        |
| 11DS1180  | 0.3      | 0.1      | 62      | 0.38       | 0.097      | 15       | 28       | 0.83      | 380      | 0.132      | 0.49    | 1.91       | 0.012     | 0.2       | 0.2     | 0.04     | 5.5      | 0.2      | 0.0249    | 7        |
| 11DS1179  | 0.2      | 0.049    | 59      | 0.46       | 0.086      | 14       | 29       | 0.95      | 254      | 0.137      | 0.49    | 1.74       | 0.014     | 0.28      | 0.1     | 0.01     | 4.9      | 0.1      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS1178  | 0.2      | 0.049    | 64      | 0.41       | 0.086      | 14       | 28       | 0.9       | 308      | 0.148      | 0.49    | 2.05       | 0.013     | 0.27      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 7        |
| 11DS1177  | 0.2      | 0.049    | 69      | 0.48       | 0.111      | 9        | 30       | 1.11      | 331      | 0.189      | 1       | 2.04       | 0.016     | 0.57      | 0.1     | 0.0049   | 3.6      | 0.3      | 0.0249    | 7        |
| 11DS1176  | 0.1      | 0.049    | 54      | 0.42       | 0.096      | 22       | 29       | 0.89      | 313      | 0.164      | 0.49    | 1.74       | 0.013     | 0.56      | 0.1     | 0.0049   | 5.6      | 0.2      | 0.0249    | 7        |
| 11DS1175  | 0.3      | 0.1      | 77      | 0.41       | 0.068      | 9        | 26       | 0.82      | 291      | 0.134      | 0.49    | 1.86       | 0.014     | 0.11      | 0.1     | 0.02     | 4.3      | 0.049    | 0.0249    | 7        |
| 11DS1174  | 0.2      | 0.049    | 86      | 0.54       | 0.103      | 6        | 25       | 1.07      | 323      | 0.173      | 1       | 1.94       | 0.019     | 0.42      | 0.1     | 0.01     | 4.1      | 0.2      | 0.0249    | 6        |
| 11DS1173  | 0.2      | 0.049    | 66      | 0.42       | 0.08       | 9        | 24       | 0.84      | 254      | 0.129      | 0.49    | 1.62       | 0.016     | 0.2       | 0.2     | 0.02     | 4.1      | 0.1      | 0.0249    | 6        |
| 11DS1172  | 0.3      | 0.049    | 74      | 0.49       | 0.087      | 11       | 33       | 1.12      | 321      | 0.157      | 0.49    | 1.91       | 0.015     | 0.33      | 0.2     | 0.02     | 5.1      | 0.1      | 0.0249    | 7        |
| 11DS1171  | 0.3      | 0.049    | 69      | 0.4        | 0.084      | 13       | 25       | 0.9       | 292      | 0.139      | 1       | 1.72       | 0.016     | 0.29      | 0.1     | 0.03     | 5.2      | 0.2      | 0.0249    | 6        |
| 11DS1170  | 0.3      | 0.049    | 66      | 0.46       | 0.079      | 13       | 29       | 1         | 286      | 0.147      | 0.49    | 1.73       | 0.017     | 0.34      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 6        |
| 11DS1169  | 0.1      | 0.049    | 59      | 0.63       | 0.158      | 8        | 13       | 1.36      | 254      | 0.179      | 0.49    | 2.05       | 0.011     | 0.74      | 0.049   | 0.0049   | 3.9      | 0.3      | 0.0249    | 7        |
| 11DS1168  | 0.2      | 0.049    | 73      | 0.47       | 0.114      | 11       | 21       | 1.35      | 311      | 0.171      | 0.49    | 1.99       | 0.015     | 0.43      | 0.1     | 0.01     | 7        | 0.2      | 0.0249    | 8        |
| 11DS0714  | 0.7      | 0.4      | 66      | 0.18       | 0.027      | 16       | 34       | 0.58      | 303      | 0.052      | 0.49    | 2.19       | 0.011     | 0.07      | 0.049   | 0.01     | 3.6      | 0.1      | 0.0249    | 6        |
| 11DS0713  | 0.7      | 0.4      | 57      | 0.18       | 0.052      | 14       | 21       | 0.48      | 167      | 0.049      | 0.49    | 1.69       | 0.009     | 0.1       | 0.1     | 0.0049   | 2.2      | 0.049    | 0.0249    | 6        |
| 11DS0712  | 0.2      | 0.2      | 67      | 0.51       | 0.077      | 10       | 24       | 0.9       | 226      | 0.078      | 0.49    | 2.26       | 0.013     | 0.09      | 0.049   | 0.0049   | 3.7      | 0.049    | 0.0249    | 7        |
| 11DS0711  | 0.2      | 0.1      | 83      | 1.12       | 0.292      | 32       | 60       | 1.38      | 703      | 0.172      | 0.49    | 2.85       | 0.024     | 0.45      | 0.2     | 0.0049   | 5        | 0.4      | 0.0249    | 8        |
| 11DS0710  | 0.3      | 0.1      | 52      | 0.38       | 0.046      | 25       | 29       | 0.61      | 286      | 0.08       | 0.49    | 1.64       | 0.014     | 0.08      | 0.1     | 0.01     | 3.2      | 0.049    | 0.0249    | 5        |
| 11DS0709  | 0.4      | 0.2      | 66      | 0.29       | 0.03       | 37       | 42       | 0.65      | 316      | 0.083      | 0.49    | 2.07       | 0.014     | 0.06      | 0.1     | 0.02     | 5.5      | 0.049    | 0.0249    | 6        |
| 11DS0708  | 0.4      | 0.1      | 44      | 0.1        | 0.016      | 34       | 32       | 0.44      | 190      | 0.034      | 0.49    | 1.85       | 0.009     | 0.09      | 0.049   | 0.0049   | 3.5      | 0.049    | 0.0249    | 5        |
| 11DS0707  | 0.5      | 0.2      | 61      | 0.12       | 0.065      | 19       | 31       | 0.46      | 201      | 0.034      | 0.49    | 1.99       | 0.008     | 0.11      | 0.049   | 0.04     | 2.9      | 0.1      | 0.0249    | 6        |
| 11DS0706  | 0.5      | 0.2      | 68      | 0.2        | 0.022      | 31       | 40       | 0.61      | 270      | 0.083      | 0.49    | 2.3        | 0.011     | 0.06      | 0.1     | 0.02     | 6        | 0.1      | 0.0249    | 6        |
| 11DS0705  | 0.5      | 0.2      | 76      | 0.13       | 0.035      | 13       | 36       | 0.53      | 193      | 0.067      | 0.49    | 2.66       | 0.01      | 0.05      | 0.1     | 0.02     | 3.5      | 0.1      | 0.0249    | 8        |
| 11DS0704  | 0.3      | 0.1      | 48      | 0.15       | 0.06       | 22       | 16       | 0.52      | 191      | 0.018      | 0.49    | 2.54       | 0.008     | 0.11      | 0.049   | 0.0049   | 2.8      | 0.1      | 0.0249    | 7        |
| 11DS0703  | 0.2      | 0.2      | 91      | 0.74       | 0.202      | 47       | 128      | 1.94      | 809      | 0.158      | 0.49    | 2.58       | 0.016     | 0.21      | 0.1     | 0.03     | 5.8      | 0.2      | 0.0249    | 8        |
| 11DS0702  | 0.4      | 0.1      | 56      | 0.18       | 0.031      | 16       | 30       | 0.58      | 220      | 0.068      | 0.49    | 2.2        | 0.011     | 0.08      | 0.049   | 0.02     | 4        | 0.049    | 0.0249    | 6        |
| 11DS0700  | 0.4      | 0.049    | 41      | 0.13       | 0.025      | 22       | 20       | 0.5       | 173      | 0.038      | 0.49    | 2.4        | 0.007     | 0.13      | 0.049   | 0.03     | 3.2      | 0.1      | 0.0249    | 6        |
| 11DS0699  | 0.6      | 0.1      | 46      | 0.26       | 0.024      | 35       | 23       | 0.75      | 556      | 0.056      | 0.49    | 2.04       | 0.011     | 0.2       | 0.1     | 0.0049   | 4.8      | 0.1      | 0.0249    | 6        |
| 11DS0698  | 0.5      | 0.1      | 61      | 0.27       | 0.03       | 31       | 32       | 0.64      | 665      | 0.059      | 1       | 1.73       | 0.012     | 0.07      | 0.049   | 0.0049   | 5.6      | 0.049    | 0.0249    | 5        |
| 11DS0697  | 0.4      | 0.1      | 54      | 0.25       | 0.056      | 14       | 27       | 0.51      | 449      | 0.036      | 2       | 1.64       | 0.01      | 0.07      | 0.1     | 0.02     | 2.3      | 0.049    | 0.0249    | 5        |
| 11DS0696  | 0.3      | 0.049    | 42      | 0.1        | 0.052      | 18       | 12       | 0.18      | 179      | 0.013      | 0.49    | 1.12       | 0.006     | 0.09      | 0.049   | 0.0049   | 1.3      | 0.1      | 0.0249    | 5        |
| 11DS0695  | 0.4      | 0.1      | 64      | 0.14       | 0.082      | 20       | 33       | 0.79      | 156      | 0.058      | 0.49    | 2.12       | 0.008     | 0.28      | 0.049   | 0.0049   | 4.7      | 0.1      | 0.0249    | 9        |
| 11DS0694  | 0.4      | 0.2      | 71      | 0.15       | 0.034      | 12       | 31       | 0.43      | 233      | 0.041      | 0.49    | 1.78       | 0.008     | 0.06      | 0.1     | 0.0049   | 3.2      | 0.1      | 0.0249    | 7        |
| 11DS0693  | 0.4      | 0.1      | 64      | 0.47       | 0.071      | 117      | 34       | 0.92      | 723      | 0.031      | 0.49    | 2.27       | 0.012     | 0.12      | 0.049   | 0.0049   | 8        | 0.049    | 0.0249    | 6        |
| 11DS0692  | 0.5      | 0.049    | 34      | 0.18       | 0.024      | 19       | 17       | 0.45      | 338      | 0.029      | 0.49    | 1.58       | 0.009     | 0.1       | 0.049   | 0.0049   | 2.7      | 0.049    | 0.0249    | 4        |
| 11DS0691  | 0.6      | 0.2      | 72      | 0.13       | 0.036      | 13       | 29       | 0.68      | 236      | 0.084      | 0.49    | 2.6        | 0.01      | 0.13      | 0.1     | 0.03     | 3.7      | 0.049    | 0.0249    | 7        |
| 11DS0690  | 0.7      | 0.2      | 63      | 0.36       | 0.069      | 61       | 51       | 0.74      | 888      | 0.062      | 1       | 1.98       | 0.012     | 0.09      | 0.1     | 0.02     | 7.4      | 0.049    | 0.0249    | 5        |
| 11DS0689  | 0.6      | 0.2      | 67      | 0.19       | 0.04       | 19       | 43       | 0.59      | 761      | 0.045      | 1       | 2.31       | 0.009     | 0.05      | 0.2     | 0.03     | 4.3      | 0.1      | 0.0249    | 6        |
| 11DS0688  | 2.2      | 0.1      | 42      | 0.17       | 0.031      | 22       | 23       | 0.39      | 447      | 0.02       | 0.49    | 1.48       | 0.008     | 0.07      | 0.049   | 0.01     | 3.3      | 0.1      | 0.0249    | 4        |
| 11DS0687  | 0.5      | 0.1      | 44      | 0.25       | 0.05       | 26       | 23       | 0.59      | 365      | 0.053      | 0.49    | 1.9        | 0.009     | 0.12      | 0.049   | 0.0049   | 3.5      | 0.1      | 0.0249    | 5        |
| 11DS0686  | 0.8      | 0.2      | 56      | 0.31       | 0.066      | 14       | 36       | 0.75      | 338      | 0.079      | 0.49    | 1.95       | 0.015     | 0.11      | 0.1     | 0.03     | 3.8      | 0.2      | 0.0249    | 6        |
| 11DS0685  | 1.2      | 0.1      | 51      | 0.48       | 0.178      | 13       | 41       | 0.7       | 457      | 0.025      | 0.49    | 1.83       | 0.009     | 0.16      | 0.049   | 0.01     | 3        | 0.1      | 0.0249    | 6        |
| 11DS0684  | 0.5      | 0.2      | 65      | 0.34       | 0.07       | 22       | 36       | 0.64      | 465      | 0.104      | 1       | 1.97       | 0.014     | 0.1       | 0.1     | 0.04     | 4.6      | 0.1      | 0.0249    | 6        |
| 11DS0683  | 0.5      | 0.1      | 143     | 0.68       | 0.265      | 10       | 9        | 0.86      | 262      | 0.161      | 0.49    | 2.05       | 0.039     | 0.43      | 0.049   | 0.01     | 11.3     | 0.2      | 0.0249    | 10       |
| 11DS0682  | 0.5      | 0.2      | 63      | 0.17       | 0.045      | 23       | 30       | 0.54      | 246      | 0.07       | 0.49    | 1.82       | 0.011     | 0.08      | 0.049   | 0.03     | 2.8      | 0.049    | 0.0249    | 6        |
| 11DS0680  | 0.5      | 0.1      | 64      | 0.34       | 0.072      | 39       | 49       | 0.79      | 582      | 0.094      | 1       | 1.97       | 0.013     | 0.07      | 0.049   | 0.02     | 4.3      | 0.1      | 0.0249    | 6        |
| 11DS0679  | 0.3      | 0.2      | 63      | 0.3        | 0.05       | 26       | 33       | 0.58      | 391      | 0.077      | 0.49    | 2.1        | 0.013     | 0.07      | 0.1     | 0.03     | 3.5      | 0.049    | 0.0249    | 7        |
| 11DS0678  | 0.4      | 0.2      | 63      | 0.48       | 0.059      | 29       | 47       | 0.67      | 727      | 0.073      | 0.49    | 2.09       | 0.015     | 0.06      | 0.1     | 0.04     | 4.5      | 0.1      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0677  | 0.4      | 0.2      | 66      | 0.25       | 0.031      | 25       | 39       | 0.74      | 387      | 0.063      | 0.49    | 2.44       | 0.012     | 0.07      | 0.049   | 0.03     | 4.6      | 0.049    | 0.0249    | 7        |
| 11DS0676  | 0.5      | 0.1      | 53      | 0.35       | 0.042      | 23       | 28       | 0.65      | 333      | 0.06       | 0.49    | 2.27       | 0.015     | 0.09      | 0.049   | 0.02     | 4.4      | 0.049    | 0.0249    | 7        |
| 11DS0675  | 0.4      | 0.1      | 93      | 0.61       | 0.097      | 27       | 119      | 1.63      | 766      | 0.099      | 1       | 2.85       | 0.015     | 0.16      | 0.049   | 0.03     | 10.4     | 0.1      | 0.0249    | 10       |
| 11DS0674  | 0.3      | 0.1      | 69      | 0.31       | 0.03       | 15       | 40       | 0.73      | 340      | 0.13       | 0.49    | 1.95       | 0.013     | 0.11      | 0.049   | 0.03     | 5        | 0.1      | 0.0249    | 6        |
| 11DS0673  | 0.1      | 0.049    | 149     | 0.5        | 0.14       | 10       | 257      | 4.48      | 694      | 0.289      | 0.49    | 4.47       | 0.022     | 1.32      | 0.049   | 0.0049   | 10.2     | 0.3      | 0.0249    | 12       |
| 11DS0672  | 0.2      | 0.4      | 97      | 0.52       | 0.11       | 11       | 25       | 1.55      | 289      | 0.285      | 1       | 3.21       | 0.026     | 0.94      | 0.2     | 0.01     | 4        | 0.6      | 0.0249    | 9        |
| 11DS0671  | 0.6      | 0.6      | 83      | 0.23       | 0.029      | 13       | 27       | 0.9       | 225      | 0.185      | 0.49    | 2.66       | 0.012     | 0.34      | 0.1     | 0.01     | 4.9      | 0.3      | 0.0249    | 8        |
| 11DS0670  | 0.8      | 0.4      | 65      | 0.27       | 0.02       | 34       | 37       | 0.65      | 337      | 0.13       | 0.49    | 2.2        | 0.014     | 0.16      | 0.1     | 0.01     | 5.7      | 0.2      | 0.0249    | 6        |
| 11DS0669  | 0.9      | 0.6      | 62      | 0.19       | 0.03       | 19       | 28       | 0.36      | 258      | 0.068      | 1       | 1.55       | 0.009     | 0.1       | 0.1     | 0.02     | 2.7      | 0.1      | 0.0249    | 6        |
| 11DS0668  | 0.9      | 0.5      | 68      | 0.18       | 0.025      | 16       | 40       | 0.55      | 322      | 0.067      | 1       | 2.62       | 0.011     | 0.08      | 0.1     | 0.02     | 3.3      | 0.1      | 0.0249    | 6        |
| 11DS0667  | 0.5      | 0.3      | 93      | 0.11       | 0.092      | 10       | 36       | 0.26      | 170      | 0.069      | 0.49    | 2.17       | 0.008     | 0.04      | 0.1     | 0.03     | 2.1      | 0.049    | 0.0249    | 9        |
| 11DS0666  | 0.7      | 0.5      | 75      | 0.16       | 0.036      | 17       | 36       | 0.5       | 203      | 0.101      | 0.49    | 2.57       | 0.012     | 0.07      | 0.1     | 0.04     | 3.7      | 0.1      | 0.0249    | 7        |
| 11DS0665  | 0.4      | 2.1      | 85      | 0.19       | 0.077      | 14       | 30       | 1.15      | 260      | 0.229      | 0.49    | 3.5        | 0.014     | 0.74      | 0.2     | 0.02     | 4.7      | 0.3      | 0.0249    | 9        |
| 11DS0664  | 0.4      | 0.3      | 53      | 0.33       | 0.065      | 14       | 23       | 1.1       | 186      | 0.171      | 0.49    | 2.82       | 0.015     | 0.19      | 0.2     | 0.02     | 2.4      | 0.3      | 0.0249    | 6        |
| 11DS0663  | 0.5      | 0.5      | 40      | 0.41       | 0.099      | 18       | 13       | 0.78      | 312      | 0.039      | 0.49    | 2.19       | 0.01      | 0.27      | 0.049   | 0.0049   | 3.5      | 0.2      | 0.0249    | 6        |
| 11DS0662  | 0.6      | 0.8      | 39      | 0.39       | 0.062      | 13       | 29       | 0.52      | 142      | 0.013      | 0.49    | 1.69       | 0.008     | 0.07      | 0.049   | 0.01     | 2.5      | 0.1      | 0.0249    | 4        |
| 11DS0660  | 0.9      | 0.6      | 31      | 0.23       | 0.069      | 17       | 18       | 0.3       | 187      | 0.027      | 0.49    | 1.37       | 0.01      | 0.13      | 0.1     | 0.04     | 2.7      | 0.1      | 0.0249    | 5        |
| 11DS0659  | 0.3      | 0.2      | 42      | 0.52       | 0.069      | 15       | 24       | 0.41      | 306      | 0.046      | 0.49    | 1.38       | 0.011     | 0.04      | 0.2     | 0.04     | 3.5      | 0.049    | 0.0249    | 4        |
| 11DS0658  | 0.3      | 0.1      | 44      | 0.39       | 0.054      | 21       | 27       | 0.38      | 327      | 0.046      | 0.49    | 1.57       | 0.011     | 0.04      | 0.1     | 0.04     | 3.8      | 0.1      | 0.0249    | 5        |
| 11DS0657  | 0.3      | 0.1      | 42      | 0.29       | 0.06       | 14       | 25       | 0.4       | 208      | 0.044      | 0.49    | 1.42       | 0.009     | 0.06      | 0.1     | 0.03     | 2.9      | 0.1      | 0.0249    | 5        |
| 11DS0656  | 0.3      | 0.2      | 56      | 0.31       | 0.041      | 18       | 28       | 0.39      | 338      | 0.041      | 0.49    | 1.52       | 0.01      | 0.07      | 0.049   | 0.02     | 3.2      | 0.1      | 0.0249    | 6        |
| 11DS0655  | 0.3      | 0.1      | 45      | 0.43       | 0.054      | 26       | 28       | 0.44      | 444      | 0.045      | 0.49    | 1.7        | 0.012     | 0.05      | 0.049   | 0.05     | 4.9      | 0.049    | 0.0249    | 5        |
| 11DS0654  | 0.4      | 0.1      | 54      | 0.22       | 0.038      | 21       | 69       | 0.49      | 364      | 0.057      | 0.49    | 1.16       | 0.009     | 0.09      | 0.049   | 0.01     | 2.9      | 0.049    | 0.0249    | 5        |
| 11DS0653  | 0.5      | 0.1      | 34      | 0.3        | 0.05       | 27       | 29       | 0.33      | 624      | 0.022      | 0.49    | 1.19       | 0.009     | 0.08      | 0.049   | 0.02     | 4.5      | 0.049    | 0.0249    | 3        |
| 11DS0652  | 0.4      | 0.2      | 62      | 0.15       | 0.034      | 12       | 24       | 0.31      | 168      | 0.048      | 0.49    | 1.45       | 0.007     | 0.07      | 0.049   | 0.02     | 2.2      | 0.049    | 0.0249    | 6        |
| 11DS0651  | 0.3      | 0.1      | 42      | 0.18       | 0.046      | 19       | 19       | 0.33      | 289      | 0.022      | 0.49    | 1.44       | 0.006     | 0.08      | 0.049   | 0.01     | 2.9      | 0.049    | 0.0249    | 5        |
| 11DS0650  | 0.4      | 0.1      | 62      | 0.64       | 0.127      | 48       | 32       | 0.86      | 741      | 0.069      | 0.49    | 1.87       | 0.012     | 0.19      | 0.049   | 0.03     | 6.8      | 0.2      | 0.0249    | 6        |
| 11DS0649  | 0.7      | 0.1      | 35      | 0.38       | 0.052      | 45       | 33       | 0.52      | 415      | 0.059      | 0.49    | 1.5        | 0.009     | 0.2       | 0.049   | 0.02     | 4.9      | 0.1      | 0.0249    | 5        |
| 11DS0648  | 0.2      | 0.1      | 45      | 0.48       | 0.055      | 21       | 23       | 0.4       | 758      | 0.032      | 0.49    | 1.22       | 0.01      | 0.09      | 0.049   | 0.02     | 4.2      | 0.049    | 0.0249    | 5        |
| 11DS0647  | 0.4      | 0.1      | 55      | 0.53       | 0.064      | 26       | 27       | 0.67      | 643      | 0.095      | 0.49    | 1.99       | 0.011     | 0.19      | 0.049   | 0.02     | 4.5      | 0.1      | 0.0249    | 7        |
| 11DS0646  | 0.2      | 0.049    | 50      | 0.78       | 0.092      | 27       | 25       | 0.66      | 451      | 0.073      | 0.49    | 1.45       | 0.027     | 0.08      | 0.1     | 0.03     | 4.3      | 0.049    | 0.0249    | 4        |
| 11DS0645  | 0.3      | 0.049    | 53      | 0.43       | 0.063      | 31       | 29       | 0.63      | 471      | 0.069      | 0.49    | 1.67       | 0.014     | 0.08      | 0.049   | 0.03     | 5.9      | 0.049    | 0.0249    | 5        |
| 11DS0644  | 0.2      | 0.049    | 73      | 0.46       | 0.073      | 10       | 36       | 0.95      | 378      | 0.089      | 0.49    | 1.84       | 0.015     | 0.25      | 0.049   | 0.0049   | 4.6      | 0.1      | 0.0249    | 5        |
| 11DS0643  | 0.3      | 0.049    | 56      | 0.3        | 0.057      | 10       | 28       | 0.71      | 272      | 0.075      | 0.49    | 1.69       | 0.015     | 0.12      | 0.049   | 0.01     | 3.6      | 0.049    | 0.0249    | 5        |
| 11DS0642  | 0.2      | 0.049    | 66      | 0.48       | 0.086      | 23       | 19       | 0.93      | 659      | 0.143      | 0.49    | 1.95       | 0.011     | 0.49      | 0.049   | 0.0049   | 5.2      | 0.2      | 0.0249    | 7        |
| 11DS0640  | 0.1      | 0.049    | 50      | 0.46       | 0.084      | 30       | 9        | 0.73      | 819      | 0.095      | 0.49    | 1.62       | 0.01      | 0.51      | 0.049   | 0.0049   | 4.1      | 0.1      | 0.0249    | 6        |
| 11DS0639  | 0.2      | 0.049    | 43      | 0.61       | 0.11       | 30       | 24       | 0.55      | 561      | 0.057      | 0.49    | 1.4        | 0.019     | 0.2       | 0.049   | 0.03     | 3.4      | 0.049    | 0.0249    | 5        |
| 11DS0638  | 0.2      | 0.049    | 41      | 0.26       | 0.06       | 32       | 35       | 0.49      | 321      | 0.045      | 0.49    | 1.53       | 0.009     | 0.12      | 0.049   | 0.03     | 3.2      | 0.049    | 0.0249    | 6        |
| 11DS0637  | 0.1      | 0.049    | 71      | 0.67       | 0.132      | 37       | 34       | 1.2       | 603      | 0.112      | 0.49    | 2.4        | 0.024     | 0.31      | 0.049   | 0.0049   | 6.6      | 0.1      | 0.0249    | 8        |
| 11DS0636  | 0.6      | 0.049    | 55      | 0.2        | 0.053      | 24       | 25       | 0.54      | 316      | 0.052      | 0.49    | 2.01       | 0.01      | 0.15      | 0.2     | 0.01     | 4.3      | 0.1      | 0.0249    | 6        |
| 11DS0635  | 0.3      | 0.049    | 47      | 0.18       | 0.036      | 28       | 26       | 0.34      | 667      | 0.008      | 0.49    | 1.56       | 0.007     | 0.08      | 0.049   | 0.0049   | 4.2      | 0.1      | 0.0249    | 4        |
| 11DS0634  | 0.5      | 0.1      | 64      | 0.14       | 0.052      | 21       | 32       | 0.61      | 202      | 0.066      | 0.49    | 2.39       | 0.011     | 0.12      | 0.049   | 0.02     | 4.7      | 0.1      | 0.0249    | 7        |
| 11DS0633  | 0.2      | 0.049    | 40      | 0.13       | 0.026      | 19       | 16       | 0.41      | 433      | 0.024      | 0.49    | 1.47       | 0.008     | 0.07      | 0.049   | 0.0049   | 1.9      | 0.049    | 0.0249    | 5        |
| 11DS0632  | 0.3      | 0.049    | 84      | 0.35       | 0.059      | 22       | 37       | 1.13      | 426      | 0.17       | 0.49    | 2.67       | 0.012     | 0.25      | 0.049   | 0.02     | 6.1      | 0.2      | 0.0249    | 9        |
| 11DS0631  | 0.2      | 0.1      | 55      | 0.13       | 0.044      | 14       | 17       | 0.31      | 288      | 0.047      | 0.49    | 1.57       | 0.008     | 0.07      | 0.049   | 0.02     | 2.7      | 0.1      | 0.05      | 8        |
| 11DS0630  | 0.3      | 0.1      | 108     | 0.32       | 0.05       | 9        | 27       | 0.97      | 198      | 0.185      | 1       | 2.88       | 0.014     | 0.19      | 0.1     | 0.01     | 4.5      | 0.2      | 0.0249    | 9        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0629  | 0.2      | 0.049    | 84      | 0.5        | 0.065      | 13       | 18       | 1.28      | 198      | 0.112      | 1       | 2.54       | 0.014     | 0.12      | 0.049   | 0.0049   | 7        | 0.049    | 0.0249    | 8        |
| 11DS0628  | 0.3      | 0.4      | 133     | 0.37       | 0.066      | 5        | 26       | 1.31      | 187      | 0.125      | 0.49    | 2.98       | 0.016     | 0.2       | 0.1     | 0.01     | 8.2      | 0.1      | 0.0249    | 9        |
| 11DS0627  | 0.4      | 0.7      | 70      | 0.24       | 0.027      | 15       | 32       | 0.83      | 279      | 0.137      | 1       | 2.39       | 0.013     | 0.14      | 0.1     | 0.05     | 5.4      | 0.3      | 0.0249    | 6        |
| 11DS0626  | 0.4      | 0.2      | 56      | 0.26       | 0.038      | 17       | 31       | 0.58      | 210      | 0.095      | 1       | 1.7        | 0.013     | 0.07      | 0.2     | 0.01     | 3.7      | 0.1      | 0.0249    | 5        |
| 11DS0625  | 0.5      | 0.3      | 59      | 0.37       | 0.05       | 20       | 38       | 0.64      | 332      | 0.106      | 1       | 1.83       | 0.015     | 0.12      | 0.2     | 0.03     | 5.8      | 0.1      | 0.0249    | 5        |
| 11DS0624  | 0.5      | 0.2      | 60      | 0.26       | 0.027      | 20       | 36       | 0.57      | 259      | 0.088      | 1       | 1.77       | 0.016     | 0.05      | 0.2     | 0.02     | 4.9      | 0.049    | 0.0249    | 5        |
| 11DS0623  | 0.4      | 0.3      | 52      | 0.21       | 0.048      | 12       | 27       | 0.35      | 188      | 0.073      | 1       | 1.63       | 0.011     | 0.07      | 0.1     | 0.04     | 2.4      | 0.049    | 0.0249    | 6        |
| 11DS0622  | 0.5      | 0.7      | 57      | 0.26       | 0.043      | 16       | 27       | 0.51      | 239      | 0.092      | 0.49    | 1.7        | 0.01      | 0.11      | 0.1     | 0.02     | 2.9      | 0.1      | 0.0249    | 6        |
| 11DS0620  | 0.5      | 0.3      | 65      | 0.18       | 0.073      | 13       | 25       | 0.35      | 185      | 0.071      | 0.49    | 1.64       | 0.008     | 0.07      | 0.2     | 0.03     | 2.2      | 0.049    | 0.0249    | 7        |
| 11DS0619  | 0.6      | 0.5      | 59      | 0.2        | 0.055      | 15       | 29       | 0.5       | 195      | 0.071      | 2       | 2.04       | 0.011     | 0.09      | 0.2     | 0.04     | 2.9      | 0.1      | 0.0249    | 6        |
| 11DS0618  | 0.6      | 0.4      | 45      | 0.3        | 0.062      | 35       | 32       | 0.55      | 298      | 0.057      | 1       | 1.78       | 0.013     | 0.08      | 0.1     | 0.05     | 3.6      | 0.1      | 0.0249    | 6        |
| 11DS0617  | 0.3      | 0.4      | 36      | 0.21       | 0.061      | 18       | 27       | 0.38      | 167      | 0.048      | 1       | 1.51       | 0.01      | 0.05      | 0.1     | 0.06     | 2.5      | 0.1      | 0.0249    | 5        |
| 11DS0616  | 0.2      | 0.3      | 20      | 0.23       | 0.055      | 8        | 22       | 0.24      | 112      | 0.042      | 1       | 1.03       | 0.011     | 0.03      | 0.1     | 0.05     | 1.5      | 0.049    | 0.0249    | 4        |
| 11DS0615  | 0.2      | 0.7      | 23      | 0.24       | 0.048      | 10       | 19       | 0.27      | 89       | 0.039      | 1       | 1.02       | 0.011     | 0.04      | 0.2     | 0.04     | 1.5      | 0.1      | 0.0249    | 4        |
| 11DS0614  | 0.3      | 0.3      | 35      | 0.26       | 0.059      | 14       | 20       | 0.36      | 159      | 0.052      | 2       | 1.28       | 0.01      | 0.07      | 0.1     | 0.04     | 1.8      | 0.1      | 0.0249    | 5        |
| 11DS0613  | 0.4      | 0.2      | 38      | 0.63       | 0.036      | 91       | 25       | 0.32      | 1063     | 0.03       | 2       | 1.33       | 0.011     | 0.1       | 0.1     | 0.05     | 6.2      | 0.049    | 0.0249    | 4        |
| 11DS0612  | 1.5      | 0.049    | 28      | 0.31       | 0.053      | 37       | 30       | 0.29      | 702      | 0.027      | 2       | 0.98       | 0.013     | 0.11      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 3        |
| 11DS0611  | 0.4      | 0.1      | 31      | 0.29       | 0.063      | 32       | 19       | 0.33      | 422      | 0.017      | 1       | 1.48       | 0.008     | 0.1       | 0.049   | 0.02     | 3.4      | 0.1      | 0.0249    | 4        |
| 11DS0610  | 0.5      | 0.2      | 51      | 0.19       | 0.034      | 21       | 26       | 0.36      | 372      | 0.049      | 1       | 1.34       | 0.007     | 0.09      | 0.1     | 0.02     | 2.7      | 0.049    | 0.0249    | 5        |
| 11DS0609  | 0.5      | 0.1      | 36      | 0.36       | 0.056      | 32       | 19       | 0.61      | 746      | 0.053      | 2       | 2.04       | 0.01      | 0.32      | 0.2     | 0.03     | 5.8      | 0.3      | 0.0249    | 6        |
| 11DS0608  | 0.3      | 0.049    | 33      | 0.27       | 0.047      | 32       | 20       | 0.36      | 547      | 0.04       | 0.49    | 1.15       | 0.012     | 0.09      | 0.049   | 0.02     | 3.8      | 0.049    | 0.0249    | 4        |
| 11DS0607  | 0.4      | 0.049    | 79      | 0.59       | 0.121      | 18       | 24       | 0.88      | 541      | 0.059      | 1       | 1.93       | 0.017     | 0.18      | 0.049   | 0.01     | 8.2      | 0.1      | 0.0249    | 6        |
| 11DS0606  | 0.2      | 0.1      | 59      | 0.5        | 0.1        | 21       | 51       | 0.83      | 440      | 0.072      | 1       | 1.71       | 0.016     | 0.11      | 0.1     | 0.02     | 4.7      | 0.1      | 0.0249    | 6        |
| 11DS0605  | 0.3      | 0.049    | 40      | 0.37       | 0.066      | 18       | 20       | 0.47      | 339      | 0.067      | 0.49    | 1.28       | 0.01      | 0.11      | 0.1     | 0.02     | 2.9      | 0.049    | 0.0249    | 5        |
| 11DS0604  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11DS0603  | 0.3      | 0.1      | 60      | 0.32       | 0.057      | 17       | 36       | 0.71      | 250      | 0.084      | 1       | 1.8        | 0.013     | 0.07      | 0.1     | 0.01     | 3.3      | 0.049    | 0.0249    | 5        |
| 11DS0602  | 0.3      | 0.1      | 66      | 0.37       | 0.072      | 14       | 31       | 0.75      | 290      | 0.089      | 2       | 2.01       | 0.015     | 0.07      | 0.1     | 0.02     | 4.1      | 0.049    | 0.0249    | 6        |
| 11DS0600  | 0.2      | 0.049    | 77      | 0.51       | 0.122      | 24       | 35       | 1.05      | 416      | 0.114      | 2       | 1.92       | 0.025     | 0.21      | 0.049   | 0.02     | 5.4      | 0.1      | 0.0249    | 7        |
| 11DS0599  | 0.2      | 0.1      | 51      | 0.46       | 0.097      | 24       | 32       | 0.54      | 559      | 0.055      | 1       | 1.47       | 0.012     | 0.09      | 0.2     | 0.05     | 3.6      | 0.049    | 0.0249    | 5        |
| 11DS0598  | 0.1      | 0.049    | 43      | 0.15       | 0.061      | 41       | 19       | 0.75      | 232      | 0.137      | 2       | 1.9        | 0.01      | 0.5       | 0.049   | 0.01     | 4.8      | 0.2      | 0.0249    | 8        |
| 11DS0597  | 0.4      | 0.2      | 54      | 0.4        | 0.087      | 41       | 67       | 0.94      | 567      | 0.06       | 1       | 1.8        | 0.019     | 0.08      | 0.1     | 0.03     | 6.4      | 0.049    | 0.0249    | 6        |
| 11DS0596  | 0.4      | 0.3      | 47      | 0.11       | 0.04       | 22       | 27       | 0.43      | 245      | 0.022      | 1       | 2          | 0.008     | 0.09      | 0.049   | 0.01     | 3.5      | 0.049    | 0.0249    | 5        |
| 11DS0595  | 0.4      | 0.2      | 54      | 0.15       | 0.058      | 24       | 29       | 0.4       | 308      | 0.025      | 1       | 1.65       | 0.007     | 0.1       | 0.1     | 0.01     | 4.3      | 0.049    | 0.0249    | 5        |
| 11DS0594  | 0.2      | 0.049    | 48      | 0.22       | 0.031      | 32       | 34       | 0.79      | 697      | 0.062      | 1       | 2.25       | 0.009     | 0.17      | 0.049   | 0.02     | 4.4      | 0.1      | 0.0249    | 6        |
| 11DS0593  | 0.2      | 0.3      | 45      | 0.22       | 0.031      | 15       | 28       | 0.8       | 203      | 0.068      | 1       | 2.54       | 0.007     | 0.2       | 0.049   | 0.01     | 3.4      | 0.1      | 0.0249    | 6        |
| 11DS0592  | 0.4      | 0.1      | 55      | 0.13       | 0.052      | 14       | 22       | 0.58      | 158      | 0.076      | 2       | 2.09       | 0.007     | 0.14      | 0.049   | 0.03     | 2.6      | 0.049    | 0.0249    | 6        |
| 11DS0591  | 0.5      | 0.1      | 50      | 0.12       | 0.038      | 12       | 30       | 0.52      | 152      | 0.082      | 2       | 2.1        | 0.011     | 0.1       | 0.1     | 0.04     | 3.3      | 0.049    | 0.0249    | 5        |
| 11DS0590  | 0.4      | 0.1      | 67      | 0.35       | 0.048      | 23       | 39       | 0.76      | 386      | 0.102      | 0.49    | 2.01       | 0.011     | 0.11      | 0.1     | 0.04     | 5.5      | 0.049    | 0.0249    | 6        |
| 11DS0589  | 0.4      | 0.1      | 61      | 0.28       | 0.036      | 23       | 38       | 0.62      | 351      | 0.089      | 0.49    | 1.93       | 0.009     | 0.09      | 0.1     | 0.02     | 5.7      | 0.049    | 0.0249    | 5        |
| 11DS0588  | 0.2      | 0.049    | 36      | 1.69       | 0.055      | 16       | 17       | 0.43      | 344      | 0.067      | 3       | 1.31       | 0.015     | 0.08      | 0.049   | 0.06     | 2.8      | 0.1      | 0.14      | 4        |
| 11DS0587  | 0.049    | 0.049    | 36      | 0.31       | 0.057      | 9        | 22       | 0.56      | 165      | 0.088      | 0.49    | 1.41       | 0.013     | 0.12      | 0.049   | 0.03     | 2.2      | 0.2      | 0.07      | 6        |
| 11DS0586  | 0.2      | 0.1      | 57      | 0.35       | 0.06       | 9        | 20       | 0.64      | 202      | 0.108      | 0.49    | 1.53       | 0.012     | 0.13      | 0.1     | 0.04     | 2.9      | 0.1      | 0.0249    | 6        |
| 11DS0585  | 0.2      | 0.2      | 67      | 0.43       | 0.08       | 9        | 21       | 0.67      | 231      | 0.116      | 2       | 1.61       | 0.012     | 0.17      | 0.1     | 0.03     | 3.3      | 0.1      | 0.0249    | 6        |
| 11DS0584  | 0.3      | 0.2      | 64      | 0.69       | 0.062      | 14       | 27       | 0.78      | 323      | 0.094      | 1       | 1.78       | 0.017     | 0.12      | 0.1     | 0.03     | 4.1      | 0.1      | 0.0249    | 6        |
| 11DS0583  | 0.2      | 0.3      | 80      | 0.41       | 0.063      | 14       | 24       | 0.84      | 269      | 0.116      | 0.49    | 1.84       | 0.013     | 0.28      | 0.1     | 0.03     | 4.5      | 0.3      | 0.0249    | 6        |
| 11DS0582  | 0.6      | 0.4      | 49      | 0.66       | 0.081      | 21       | 30       | 0.68      | 469      | 0.051      | 1       | 1.5        | 0.01      | 0.23      | 0.049   | 0.03     | 6.3      | 0.2      | 0.0249    | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0580  | 0.4      | 0.2      | 42      | 0.25       | 0.032      | 24       | 31       | 0.37      | 559      | 0.038      | 1       | 1.38       | 0.01      | 0.08      | 0.1     | 0.03     | 4        | 0.049    | 0.0249    | 4        |
| 11DS0579  | 0.4      | 0.2      | 54      | 0.62       | 0.079      | 25       | 34       | 0.42      | 1088     | 0.021      | 2       | 1.84       | 0.01      | 0.07      | 0.1     | 0.05     | 4.9      | 0.049    | 0.0249    | 5        |
| 11DS0578  | 0.4      | 0.1      | 27      | 0.32       | 0.024      | 25       | 20       | 0.38      | 407      | 0.02       | 3       | 1.17       | 0.008     | 0.06      | 0.049   | 0.02     | 4        | 0.1      | 0.0249    | 3        |
| 11DS0577  | 0.4      | 0.049    | 43      | 0.49       | 0.064      | 29       | 24       | 0.39      | 446      | 0.035      | 0.49    | 1.38       | 0.01      | 0.1       | 0.1     | 0.03     | 4.4      | 0.049    | 0.0249    | 5        |
| 11DS0576  | 0.3      | 0.1      | 69      | 0.33       | 0.036      | 27       | 73       | 0.65      | 319      | 0.111      | 0.49    | 1.68       | 0.013     | 0.1       | 0.049   | 0.04     | 7.3      | 0.049    | 0.0249    | 5        |
| 11DS0575  | 0.049    | 0.049    | 34      | 0.51       | 0.152      | 3        | 8        | 0.41      | 121      | 0.057      | 1       | 1.36       | 0.031     | 0.11      | 0.049   | 0.0049   | 2        | 0.049    | 0.0249    | 3        |
| 11DS0574  | 0.3      | 0.049    | 59      | 0.23       | 0.025      | 4        | 31       | 0.68      | 156      | 0.065      | 1       | 2.13       | 0.011     | 0.05      | 0.049   | 0.01     | 3.1      | 0.049    | 0.0249    | 5        |
| 11DS0573  | 0.3      | 0.049    | 56      | 0.3        | 0.033      | 10       | 29       | 0.72      | 249      | 0.051      | 0.49    | 1.92       | 0.01      | 0.08      | 0.049   | 0.01     | 3.8      | 0.049    | 0.0249    | 5        |
| 11DS0572  | 0.3      | 0.1      | 53      | 0.41       | 0.037      | 15       | 29       | 0.54      | 301      | 0.043      | 0.49    | 1.63       | 0.01      | 0.06      | 0.1     | 0.03     | 3.1      | 0.049    | 0.0249    | 5        |
| 11DS0571  | 0.4      | 0.049    | 48      | 0.24       | 0.028      | 34       | 21       | 0.52      | 336      | 0.031      | 0.49    | 1.46       | 0.008     | 0.07      | 0.1     | 0.02     | 5.1      | 0.049    | 0.0249    | 5        |
| 11DS0570  | 0.1      | 0.049    | 66      | 0.13       | 0.032      | 12       | 28       | 1.16      | 199      | 0.238      | 0.49    | 2.51       | 0.007     | 0.79      | 0.049   | 0.0049   | 2.7      | 0.4      | 0.0249    | 8        |
| 11DS0569  | 0.2      | 0.049    | 59      | 0.18       | 0.067      | 9        | 12       | 0.73      | 216      | 0.115      | 2       | 2.22       | 0.006     | 0.48      | 0.049   | 0.0049   | 3.1      | 0.2      | 0.0249    | 7        |
| 11DS0568  | 0.3      | 0.049    | 50      | 0.38       | 0.078      | 71       | 17       | 0.71      | 279      | 0.055      | 2       | 1.64       | 0.011     | 0.13      | 0.049   | 0.01     | 5        | 0.049    | 0.0249    | 6        |
| 11DS0567  | 0.2      | 0.2      | 83      | 0.59       | 0.173      | 28       | 12       | 1.1       | 383      | 0.136      | 0.49    | 2.23       | 0.009     | 0.39      | 0.2     | 0.0049   | 5.2      | 0.3      | 0.0249    | 10       |
| 11DS0566  | 0.5      | 0.1      | 62      | 0.12       | 0.043      | 12       | 38       | 0.58      | 208      | 0.029      | 1       | 2.62       | 0.006     | 0.06      | 0.049   | 0.02     | 4.8      | 0.049    | 0.0249    | 6        |
| 11DS0565  | 0.4      | 0.2      | 87      | 0.25       | 0.131      | 20       | 88       | 1.42      | 339      | 0.105      | 1       | 2.64       | 0.007     | 0.08      | 0.049   | 0.02     | 3.7      | 0.049    | 0.0249    | 8        |
| 11DS0564  | 0.4      | 0.049    | 55      | 0.11       | 0.041      | 10       | 61       | 0.65      | 189      | 0.032      | 2       | 2.1        | 0.006     | 0.11      | 0.049   | 0.02     | 3.7      | 0.1      | 0.0249    | 6        |
| 11DS0563  | 0.3      | 0.049    | 75      | 0.42       | 0.08       | 3        | 36       | 1.25      | 191      | 0.119      | 1       | 2.08       | 0.016     | 0.07      | 0.049   | 0.0049   | 4.1      | 0.049    | 0.0249    | 6        |
| 11DS0562  | 0.4      | 0.2      | 60      | 0.18       | 0.033      | 15       | 35       | 0.46      | 356      | 0.042      | 1       | 1.59       | 0.008     | 0.05      | 0.1     | 0.02     | 3.5      | 0.049    | 0.0249    | 5        |
| 11DS0560  | 0.4      | 0.1      | 50      | 0.15       | 0.019      | 17       | 31       | 0.47      | 251      | 0.059      | 2       | 1.71       | 0.008     | 0.1       | 0.1     | 0.01     | 4        | 0.1      | 0.0249    | 5        |
| 11DS0559  | 0.2      | 0.1      | 37      | 0.47       | 0.05       | 30       | 20       | 0.44      | 414      | 0.054      | 3       | 1.28       | 0.009     | 0.13      | 0.1     | 0.04     | 4.3      | 0.1      | 0.0249    | 4        |
| 11DS0558  | 0.3      | 0.1      | 51      | 0.22       | 0.034      | 11       | 31       | 0.45      | 213      | 0.058      | 2       | 1.44       | 0.008     | 0.05      | 0.2     | 0.02     | 3        | 0.049    | 0.0249    | 4        |
| 11DS0557  | 0.3      | 0.049    | 66      | 0.43       | 0.081      | 19       | 32       | 0.88      | 321      | 0.055      | 2       | 2.03       | 0.016     | 0.07      | 0.049   | 0.01     | 5.6      | 0.049    | 0.0249    | 6        |
| 11DS0556  | 0.2      | 0.049    | 35      | 0.2        | 0.04       | 18       | 24       | 0.4       | 249      | 0.043      | 3       | 1.15       | 0.007     | 0.06      | 0.049   | 0.02     | 2.3      | 0.049    | 0.0249    | 4        |
| 11DS0555  | 0.3      | 0.1      | 48      | 0.29       | 0.044      | 25       | 38       | 0.49      | 574      | 0.049      | 2       | 1.46       | 0.01      | 0.05      | 0.1     | 0.02     | 5        | 0.049    | 0.0249    | 4        |
| 11DS0554  | 0.9      | 1.5      | 29      | 0.31       | 0.088      | 41       | 8        | 0.24      | 924      | 0.017      | 0.49    | 1.35       | 0.008     | 0.23      | 0.049   | 0.02     | 6.8      | 0.2      | 0.0249    | 4        |
| 11DS0553  | 0.3      | 0.049    | 62      | 0.84       | 0.06       | 15       | 16       | 0.61      | 419      | 0.104      | 0.49    | 1.64       | 0.016     | 0.16      | 0.1     | 0.04     | 3.9      | 0.1      | 0.0249    | 5        |
| 11DS0552  | 0.2      | 0.049    | 76      | 0.58       | 0.098      | 8        | 14       | 0.76      | 195      | 0.17       | 0.49    | 1.82       | 0.016     | 0.3       | 0.049   | 0.02     | 3.6      | 0.3      | 0.0249    | 7        |
| 11DS0551  | 0.2      | 0.049    | 51      | 0.36       | 0.065      | 13       | 34       | 0.62      | 208      | 0.087      | 0.49    | 1.66       | 0.016     | 0.09      | 0.1     | 0.03     | 3.5      | 0.1      | 0.0249    | 5        |
| 11DS0550  | 0.2      | 0.049    | 34      | 0.21       | 0.035      | 6        | 15       | 0.39      | 204      | 0.035      | 0.49    | 1.27       | 0.008     | 0.14      | 0.049   | 0.02     | 1.8      | 0.049    | 0.0249    | 5        |
| 11DS0549  | 0.2      | 0.1      | 35      | 0.25       | 0.035      | 5        | 17       | 0.56      | 129      | 0.072      | 0.49    | 1.65       | 0.009     | 0.1       | 0.049   | 0.03     | 1.5      | 0.049    | 0.0249    | 5        |
| 11DS0548  | 0.2      | 0.1      | 49      | 0.63       | 0.09       | 14       | 20       | 0.54      | 245      | 0.071      | 0.49    | 1.4        | 0.019     | 0.12      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 4        |
| 11DS0547  | 0.2      | 0.1      | 41      | 0.21       | 0.039      | 29       | 19       | 0.5       | 253      | 0.091      | 0.49    | 1.41       | 0.01      | 0.23      | 0.049   | 0.01     | 4.1      | 0.2      | 0.0249    | 5        |
| 11DS0546  | 0.2      | 0.049    | 82      | 0.21       | 0.051      | 9        | 26       | 0.83      | 242      | 0.213      | 0.49    | 1.73       | 0.01      | 0.66      | 0.1     | 0.02     | 4        | 0.3      | 0.0249    | 8        |
| 11DS0545  | 0.049    | 0.049    | 94      | 0.59       | 0.116      | 5        | 53       | 1.58      | 344      | 0.276      | 0.49    | 2.38       | 0.02      | 0.77      | 0.049   | 0.01     | 3.9      | 0.5      | 0.0249    | 7        |
| 11DS0544  | 0.2      | 0.049    | 47      | 0.44       | 0.054      | 27       | 32       | 0.73      | 232      | 0.097      | 0.49    | 1.73       | 0.012     | 0.11      | 0.049   | 0.02     | 3.4      | 0.1      | 0.0249    | 5        |
| 11DS0543  | 0.1      | 0.049    | 73      | 0.57       | 0.08       | 9        | 88       | 1.28      | 254      | 0.169      | 0.49    | 2.1        | 0.026     | 0.2       | 0.049   | 0.0049   | 4.7      | 0.049    | 0.0249    | 6        |
| 11DS0542  | 0.2      | 0.1      | 42      | 0.31       | 0.084      | 20       | 20       | 0.5       | 339      | 0.059      | 0.49    | 1.55       | 0.028     | 0.13      | 0.049   | 0.04     | 3.8      | 0.2      | 0.14      | 5        |
| 11DS0540  | 0.2      | 0.049    | 112     | 0.64       | 0.104      | 12       | 17       | 0.99      | 513      | 0.26       | 0.49    | 2.27       | 0.018     | 0.7       | 0.049   | 0.03     | 6.9      | 0.3      | 0.0249    | 8        |
| 11DS0539  | 0.4      | 0.3      | 48      | 0.57       | 0.163      | 76       | 176      | 1.02      | 1070     | 0.049      | 0.49    | 2.11       | 0.013     | 0.16      | 0.049   | 0.01     | 5.1      | 0.1      | 0.0249    | 6        |
| 11DS0538  | 0.6      | 0.1      | 59      | 0.22       | 0.026      | 17       | 38       | 0.52      | 376      | 0.073      | 0.49    | 1.89       | 0.012     | 0.06      | 0.1     | 0.02     | 3.6      | 0.049    | 0.0249    | 5        |
| 11DS0537  | 0.3      | 0.049    | 48      | 0.19       | 0.072      | 18       | 35       | 0.6       | 194      | 0.086      | 0.49    | 1.85       | 0.008     | 0.18      | 0.049   | 0.02     | 3.6      | 0.1      | 0.0249    | 7        |
| 11DS0536  | 0.4      | 0.1      | 63      | 0.22       | 0.024      | 22       | 40       | 0.55      | 291      | 0.095      | 0.49    | 1.98       | 0.009     | 0.06      | 0.1     | 0.04     | 5.3      | 0.049    | 0.0249    | 6        |
| 11DS0535  | 0.4      | 0.1      | 56      | 0.33       | 0.041      | 21       | 35       | 0.55      | 271      | 0.097      | 0.49    | 1.63       | 0.012     | 0.07      | 0.1     | 0.03     | 5        | 0.049    | 0.0249    | 5        |
| 11DS0534  | 0.4      | 0.1      | 53      | 0.22       | 0.024      | 16       | 34       | 0.48      | 275      | 0.066      | 0.49    | 1.58       | 0.01      | 0.05      | 0.049   | 0.02     | 4.1      | 0.049    | 0.0249    | 5        |
| 11DS0533  | 0.3      | 0.1      | 43      | 0.4        | 0.051      | 30       | 24       | 0.57      | 325      | 0.068      | 0.49    | 1.59       | 0.01      | 0.14      | 0.049   | 0.02     | 3.9      | 0.1      | 0.0249    | 5        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0532  | 0.4      | 0.1      | 118     | 0.38       | 0.148      | 6        | 11       | 0.85      | 219      | 0.122      | 0.49    | 2.23       | 0.018     | 0.31      | 0.1     | 0.01     | 7.1      | 0.2      | 0.0249    | 10       |
| 11DS0531  | 0.5      | 0.049    | 58      | 0.43       | 0.124      | 36       | 73       | 0.74      | 589      | 0.045      | 0.49    | 1.84       | 0.008     | 0.11      | 0.049   | 0.07     | 8.8      | 0.1      | 0.0249    | 5        |
| 11DS0530  | 0.4      | 0.1      | 45      | 0.28       | 0.04       | 22       | 28       | 0.43      | 561      | 0.046      | 0.49    | 1.44       | 0.011     | 0.05      | 0.049   | 0.04     | 4.7      | 0.049    | 0.0249    | 4        |
| 11DS0529  | 0.5      | 0.2      | 59      | 0.17       | 0.03       | 11       | 34       | 0.48      | 334      | 0.051      | 0.49    | 2.05       | 0.009     | 0.05      | 0.2     | 0.03     | 3.3      | 0.049    | 0.0249    | 5        |
| 11DS0528  | 0.3      | 0.2      | 38      | 0.45       | 0.042      | 29       | 23       | 0.42      | 406      | 0.029      | 0.49    | 1.67       | 0.01      | 0.08      | 0.049   | 0.03     | 3.6      | 0.049    | 0.0249    | 5        |
| 11DS0527  | 0.3      | 0.1      | 52      | 0.38       | 0.056      | 21       | 24       | 0.5       | 322      | 0.081      | 0.49    | 1.59       | 0.013     | 0.08      | 0.2     | 0.06     | 4.4      | 0.1      | 0.0249    | 6        |
| 11DS0526  | 0.3      | 0.2      | 47      | 0.66       | 0.047      | 16       | 23       | 0.51      | 315      | 0.038      | 0.49    | 1.67       | 0.014     | 0.06      | 0.049   | 0.04     | 3.6      | 0.049    | 0.0249    | 5        |
| 11DS0525  | 0.4      | 0.1      | 48      | 0.5        | 0.044      | 43       | 25       | 0.53      | 302      | 0.064      | 0.49    | 1.68       | 0.014     | 0.09      | 0.1     | 0.04     | 4.2      | 0.049    | 0.0249    | 6        |
| 11DS0524  | 0.3      | 0.1      | 49      | 0.35       | 0.048      | 14       | 24       | 0.46      | 212      | 0.054      | 0.49    | 1.54       | 0.013     | 0.06      | 0.1     | 0.05     | 3.6      | 0.049    | 0.0249    | 5        |
| 11DS0523  | 0.2      | 0.049    | 41      | 0.84       | 0.056      | 16       | 29       | 0.55      | 321      | 0.056      | 0.49    | 1.36       | 0.015     | 0.07      | 0.049   | 0.04     | 3.9      | 0.049    | 0.06      | 4        |
| 11DS0522  | 0.3      | 0.1      | 47      | 0.45       | 0.043      | 35       | 42       | 0.62      | 353      | 0.077      | 0.49    | 1.63       | 0.012     | 0.13      | 0.049   | 0.03     | 5        | 0.1      | 0.0249    | 5        |
| 11DS0520  | 0.3      | 0.1      | 75      | 0.23       | 0.039      | 8        | 64       | 0.79      | 172      | 0.094      | 0.49    | 2.06       | 0.011     | 0.07      | 0.049   | 0.02     | 3        | 0.049    | 0.0249    | 7        |
| 11DS0519  | 0.3      | 0.1      | 91      | 0.2        | 0.037      | 6        | 42       | 0.89      | 132      | 0.112      | 0.49    | 2.55       | 0.014     | 0.06      | 0.049   | 0.02     | 3.6      | 0.049    | 0.0249    | 8        |
| 11DS0518  | 0.3      | 0.049    | 33      | 0.11       | 0.015      | 19       | 20       | 0.29      | 207      | 0.043      | 1       | 1.49       | 0.007     | 0.08      | 0.049   | 0.0049   | 2.8      | 0.1      | 0.0249    | 4        |
| 11DS0517  | 0.3      | 0.049    | 43      | 0.15       | 0.036      | 13       | 21       | 0.39      | 145      | 0.07       | 1       | 1.48       | 0.01      | 0.12      | 0.049   | 0.01     | 3.1      | 0.049    | 0.0249    | 4        |
| 11DS0516  | 0.4      | 0.1      | 59      | 0.26       | 0.04       | 20       | 36       | 0.59      | 345      | 0.071      | 1       | 1.9        | 0.012     | 0.06      | 0.1     | 0.03     | 4.5      | 0.049    | 0.0249    | 5        |
| 11DS0515  | 0.4      | 0.1      | 50      | 0.33       | 0.033      | 33       | 33       | 0.51      | 300      | 0.083      | 1       | 1.59       | 0.013     | 0.14      | 0.1     | 0.02     | 4.8      | 0.1      | 0.0249    | 5        |
| 11DS0514  | 0.5      | 0.1      | 62      | 0.3        | 0.032      | 32       | 44       | 0.66      | 356      | 0.109      | 0.49    | 1.85       | 0.013     | 0.09      | 0.1     | 0.03     | 6        | 0.1      | 0.0249    | 6        |
| 11DS0513  | 0.5      | 0.2      | 74      | 0.25       | 0.031      | 28       | 48       | 0.73      | 355      | 0.098      | 2       | 2.44       | 0.014     | 0.08      | 0.1     | 0.03     | 5.5      | 0.1      | 0.0249    | 6        |
| 11DS0512  | 0.4      | 0.2      | 67      | 0.17       | 0.02       | 20       | 38       | 0.57      | 213      | 0.075      | 0.49    | 2.2        | 0.012     | 0.09      | 0.049   | 0.02     | 4.3      | 0.049    | 0.0249    | 6        |
| 11DS0511  | 0.4      | 0.5      | 27      | 0.35       | 0.031      | 55       | 21       | 0.39      | 812      | 0.018      | 2       | 1.51       | 0.009     | 0.17      | 0.049   | 0.0049   | 5.1      | 0.2      | 0.0249    | 4        |
| 11DS0510  | 0.3      | 0.049    | 94      | 0.77       | 0.09       | 12       | 19       | 1.22      | 440      | 0.228      | 1       | 2.75       | 0.017     | 0.32      | 0.1     | 0.0049   | 5.1      | 0.2      | 0.0249    | 8        |
| 11DS0509  | 0.2      | 0.049    | 143     | 0.81       | 0.118      | 25       | 85       | 2.23      | 643      | 0.335      | 0.49    | 3.56       | 0.024     | 0.87      | 0.049   | 0.0049   | 9.5      | 0.5      | 0.0249    | 11       |
| 11DS0508  | 0.2      | 0.049    | 101     | 0.32       | 0.046      | 7        | 78       | 1.73      | 174      | 0.219      | 2       | 3.38       | 0.016     | 0.3       | 0.1     | 0.01     | 5.5      | 0.2      | 0.0249    | 9        |
| 11DS0507  | 0.3      | 0.1      | 61      | 0.26       | 0.02       | 10       | 41       | 0.79      | 213      | 0.088      | 2       | 2.11       | 0.013     | 0.06      | 0.1     | 0.01     | 4        | 0.049    | 0.0249    | 6        |
| 11DS0506  | 0.2      | 0.049    | 106     | 0.38       | 0.052      | 12       | 98       | 1.7       | 367      | 0.211      | 0.49    | 2.72       | 0.018     | 0.52      | 0.049   | 0.0049   | 5.7      | 0.6      | 0.0249    | 8        |
| 11DS0505  | 0.2      | 0.1      | 77      | 0.34       | 0.05       | 19       | 29       | 1         | 288      | 0.192      | 0.49    | 2.21       | 0.016     | 0.45      | 0.1     | 0.02     | 5.1      | 0.3      | 0.0249    | 7        |
| 11DS0504  | 0.3      | 0.1      | 55      | 0.23       | 0.031      | 33       | 28       | 0.63      | 249      | 0.099      | 0.49    | 1.77       | 0.011     | 0.13      | 0.1     | 0.0049   | 4.5      | 0.1      | 0.0249    | 6        |
| 11DS0503  | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100      | -100      | -100    | -100     | -100     | -100     | -100      | -100     |
| 11DS0502  | 0.3      | 0.1      | 45      | 0.13       | 0.036      | 14       | 20       | 0.3       | 194      | 0.047      | 1       | 1.36       | 0.008     | 0.09      | 0.1     | 0.02     | 2        | 0.049    | 0.0249    | 5        |
| 11DS0500  | 0.4      | 0.1      | 63      | 0.29       | 0.032      | 38       | 49       | 0.72      | 374      | 0.091      | 2       | 2.03       | 0.012     | 0.08      | 0.1     | 0.04     | 6.6      | 0.1      | 0.0249    | 6        |
| 11DS0499  | 0.5      | 0.1      | 59      | 0.18       | 0.027      | 17       | 34       | 0.53      | 200      | 0.09       | 0.49    | 2.37       | 0.011     | 0.13      | 0.049   | 0.02     | 4.3      | 0.2      | 0.0249    | 6        |
| 11DS0498  | 0.5      | 0.2      | 59      | 0.17       | 0.035      | 15       | 30       | 0.41      | 210      | 0.059      | 0.49    | 1.88       | 0.01      | 0.07      | 0.1     | 0.02     | 2.9      | 0.049    | 0.0249    | 5        |
| 11DS0497  | 0.4      | 0.2      | 62      | 0.27       | 0.044      | 27       | 37       | 0.52      | 438      | 0.06       | 1       | 2.03       | 0.012     | 0.06      | 0.1     | 0.04     | 4.8      | 0.1      | 0.0249    | 5        |
| 11DS0496  | 0.5      | 0.2      | 75      | 0.25       | 0.081      | 15       | 79       | 0.9       | 270      | 0.064      | 0.49    | 2.92       | 0.009     | 0.09      | 0.1     | 0.01     | 5.7      | 0.1      | 0.0249    | 7        |
| 11DS0495  | 0.3      | 0.2      | 70      | 0.18       | 0.068      | 15       | 35       | 0.59      | 165      | 0.072      | 1       | 2.28       | 0.01      | 0.08      | 0.1     | 0.02     | 3.6      | 0.049    | 0.0249    | 7        |
| 11DS0494  | 0.3      | 0.1      | 67      | 0.7        | 0.074      | 12       | 39       | 0.92      | 400      | 0.05       | 0.49    | 2.22       | 0.025     | 0.06      | 0.049   | 0.03     | 6.1      | 0.049    | 0.0249    | 6        |
| 11DS0493  | 0.2      | 0.049    | 65      | 0.8        | 0.076      | 9        | 35       | 0.98      | 254      | 0.1        | 0.49    | 1.95       | 0.024     | 0.1       | 0.1     | 0.02     | 4.2      | 0.049    | 0.0249    | 5        |
| 11DS0492  | 0.3      | 0.1      | 56      | 0.46       | 0.07       | 12       | 31       | 0.72      | 193      | 0.063      | 2       | 1.81       | 0.018     | 0.05      | 0.1     | 0.04     | 3.6      | 0.049    | 0.0249    | 5        |
| 11DS0491  | 0.2      | 0.049    | 45      | 0.47       | 0.094      | 20       | 20       | 0.68      | 262      | 0.091      | 0.49    | 1.62       | 0.014     | 0.21      | 0.049   | 0.0049   | 3.3      | 0.1      | 0.0249    | 6        |
| 11DS0490  | 0.2      | 0.1      | 56      | 0.51       | 0.059      | 10       | 30       | 0.58      | 194      | 0.053      | 0.49    | 1.66       | 0.018     | 0.04      | 0.1     | 0.01     | 3.4      | 0.049    | 0.0249    | 5        |
| 11DS0489  | 0.1      | 0.049    | 60      | 0.65       | 0.108      | 8        | 41       | 1.02      | 240      | 0.112      | 0.49    | 1.92       | 0.028     | 0.08      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 5        |
| 11DS0488  | 0.2      | 0.2      | 34      | 0.32       | 0.088      | 17       | 32       | 0.42      | 385      | 0.03       | 1       | 1.67       | 0.012     | 0.06      | 0.049   | 0.05     | 3.7      | 0.1      | 0.0249    | 5        |
| 11DS0487  | 0.4      | 0.1      | 31      | 1.18       | 0.124      | 31       | 40       | 0.39      | 1216     | 0.025      | 3       | 1.66       | 0.014     | 0.05      | 0.1     | 0.1      | 4.5      | 0.049    | 0.14      | 4        |
| 11DS0486  | 0.2      | 0.2      | 43      | 0.11       | 0.091      | 15       | 20       | 0.19      | 219      | 0.011      | 2       | 1.2        | 0.007     | 0.05      | 0.049   | 0.03     | 0.5      | 0.049    | 0.0249    | 5        |
| 11DS0485  | 0.4      | 0.2      | 60      | 0.27       | 0.051      | 20       | 36       | 0.65      | 509      | 0.067      | 1       | 1.99       | 0.011     | 0.08      | 0.1     | 0.0049   | 5.1      | 0.1      | 0.0249    | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0484  | 0.5      | 0.1      | 53      | 0.16       | 0.027      | 21       | 31       | 0.47      | 261      | 0.058      | 2       | 2.17       | 0.009     | 0.08      | 0.1     | 0.02     | 3.6      | 0.049    | 0.0249    | 5        |
| 11DS0483  | 0.3      | 0.1      | 46      | 0.17       | 0.021      | 19       | 21       | 0.49      | 241      | 0.072      | 2       | 2.1        | 0.008     | 0.16      | 0.1     | 0.01     | 4.6      | 0.2      | 0.0249    | 6        |
| 11DS0482  | 0.3      | 0.2      | 88      | 0.46       | 0.104      | 22       | 75       | 1.51      | 507      | 0.161      | 3       | 2.56       | 0.019     | 0.36      | 0.1     | 0.0049   | 5.2      | 0.2      | 0.0249    | 8        |
| 11DS0377  | 0.2      | 0.3      | 34      | 0.12       | 0.052      | 26       | 15       | 0.45      | 163      | 0.131      | 1       | 1.7        | 0.04      | 0.19      | 0.049   | 0.0049   | 2.1      | 0.2      | 0.22      | 5        |
| 11DS0376  | 0.3      | 0.7      | 26      | 0.1        | 0.04       | 40       | 16       | 0.24      | 182      | 0.031      | 0.49    | 1.08       | 0.127     | 0.15      | 0.049   | 0.02     | 2.5      | 0.1      | 0.57      | 3        |
| 11DS0375  | 0.4      | 0.2      | 45      | 0.3        | 0.034      | 14       | 38       | 0.71      | 201      | 0.097      | 0.49    | 1.96       | 0.022     | 0.18      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 6        |
| 11DS0374  | 0.2      | 0.2      | 42      | 0.44       | 0.024      | 16       | 21       | 0.93      | 309      | 0.083      | 1       | 1.99       | 0.011     | 0.56      | 0.049   | 0.02     | 4.4      | 0.2      | 0.0249    | 7        |
| 11DS0373  | 0.2      | 0.049    | 86      | 0.4        | 0.116      | 12       | 16       | 1.19      | 372      | 0.226      | 2       | 2.3        | 0.011     | 1.12      | 0.049   | 0.01     | 12.6     | 0.3      | 0.0249    | 10       |
| 11DS0372  | 0.2      | 0.8      | 15      | 0.2        | 0.043      | 34       | 10       | 0.26      | 136      | 0.051      | 2       | 1.09       | 0.036     | 0.23      | 0.049   | 0.03     | 2.7      | 0.2      | 0.1       | 3        |
| 11DS0371  | 0.2      | 0.049    | 68      | 0.35       | 0.091      | 6        | 12       | 1.41      | 225      | 0.233      | 1       | 2.2        | 0.01      | 1.18      | 0.1     | 0.0049   | 5.2      | 0.5      | 0.0249    | 8        |
| 11DS0370  | 0.1      | 0.049    | 50      | 0.33       | 0.106      | 6        | 9        | 1.14      | 208      | 0.165      | 2       | 1.68       | 0.008     | 0.79      | 0.1     | 0.0049   | 8.4      | 0.4      | 0.0249    | 8        |
| 11DS0369  | 0.2      | 0.1      | 46      | 0.22       | 0.03       | 11       | 21       | 0.94      | 311      | 0.137      | 2       | 2.22       | 0.009     | 0.87      | 0.1     | 0.0049   | 6.2      | 0.2      | 0.0249    | 9        |
| 11DS0368  | 0.2      | 0.1      | 27      | 0.17       | 0.045      | 7        | 15       | 0.31      | 113      | 0.025      | 3       | 1.58       | 0.007     | 0.14      | 0.049   | 0.0049   | 1.6      | 0.2      | 0.0249    | 4        |
| 11DS0367  | 0.2      | 1.2      | 19      | 0.11       | 0.039      | 23       | 12       | 0.17      | 150      | 0.022      | 4       | 1.31       | 0.042     | 0.09      | 0.049   | 0.02     | 2.1      | 0.1      | 0.15      | 4        |
| 11DS0366  | 0.1      | 0.3      | 29      | 0.12       | 0.081      | 37       | 10       | 0.5       | 201      | 0.119      | 2       | 1.7        | 0.091     | 0.34      | 0.049   | 0.0049   | 2.5      | 0.3      | 0.51      | 5        |
| 11DS0365  | 0.2      | 0.4      | 10      | 0.11       | 0.086      | 52       | 7        | 0.1       | 128      | 0.042      | 4       | 1.14       | 0.389     | 0.27      | 0.049   | 0.0049   | 2.8      | 0.1      | 1.42      | 3        |
| 11DS0364  | 0.1      | 0.049    | 66      | 0.42       | 0.112      | 13       | 14       | 0.94      | 411      | 0.171      | 2       | 2.15       | 0.011     | 0.8       | 0.2     | 0.0049   | 3.6      | 0.4      | 0.0249    | 6        |
| 11DS0363  | 0.2      | 0.1      | 37      | 0.38       | 0.055      | 16       | 17       | 0.49      | 183      | 0.082      | 3       | 1.22       | 0.014     | 0.15      | 0.2     | 0.01     | 2.2      | 0.1      | 0.0249    | 4        |
| 11DS0362  | 0.2      | 0.3      | 22      | 0.16       | 0.05       | 31       | 13       | 0.25      | 151      | 0.036      | 4       | 1.21       | 0.053     | 0.13      | 0.049   | 0.01     | 1.8      | 0.1      | 0.2       | 4        |
| 11DS0360  | 0.5      | 3.1      | 15      | 0.09       | 0.064      | 29       | 11       | 0.16      | 217      | 0.014      | 2       | 0.83       | 0.063     | 0.23      | 0.1     | 0.02     | 2.4      | 0.1      | 0.41      | 2        |
| 11DS0359  | 0.3      | 0.4      | 16      | 0.5        | 0.055      | 31       | 17       | 0.28      | 272      | 0.017      | 3       | 1.18       | 0.021     | 0.09      | 0.049   | 0.03     | 2        | 0.049    | 0.09      | 3        |
| 11DS0358  | 0.3      | 0.1      | 22      | 0.12       | 0.031      | 44       | 20       | 0.28      | 130      | 0.024      | 1       | 1.38       | 0.006     | 0.16      | 0.049   | 0.02     | 1.7      | 0.1      | 0.0249    | 4        |
| 11DS0357  | 0.2      | 0.049    | 112     | 0.42       | 0.096      | 19       | 168      | 1.59      | 356      | 0.131      | 2       | 3.03       | 0.013     | 0.39      | 0.1     | 0.02     | 7.5      | 0.2      | 0.0249    | 9        |
| 11DS0356  | 0.049    | 0.049    | 24      | 0.12       | 0.018      | 13       | 7        | 0.1       | 88       | 0.017      | 2       | 0.58       | 0.01      | 0.08      | 0.049   | 0.0049   | 1.5      | 0.049    | 0.0249    | 2        |
| 11DS0355  | 0.2      | 0.049    | 75      | 0.27       | 0.057      | 9        | 23       | 1.1       | 357      | 0.192      | 2       | 2.19       | 0.011     | 0.91      | 0.1     | 0.01     | 5.2      | 0.3      | 0.0249    | 8        |
| 11DS0354  | 0.1      | 0.2      | 26      | 0.25       | 0.055      | 42       | 10       | 0.38      | 154      | 0.037      | 0.49    | 1.23       | 0.009     | 0.37      | 0.049   | 0.01     | 3.2      | 0.2      | 0.0249    | 3        |
| 11DS0353  | 0.3      | 0.1      | 45      | 0.53       | 0.065      | 21       | 31       | 0.94      | 193      | 0.113      | 1       | 1.64       | 0.02      | 0.23      | 0.2     | 0.04     | 3.8      | 0.1      | 0.0249    | 6        |
| 11DS0352  | 0.1      | 0.049    | 68      | 0.45       | 0.101      | 10       | 10       | 1.51      | 302      | 0.255      | 1       | 2.17       | 0.011     | 1.07      | 0.1     | 0.02     | 5.6      | 0.5      | 0.0249    | 8        |
| 11DS0351  | 0.2      | 0.049    | 37      | 0.63       | 0.082      | 23       | 21       | 0.74      | 257      | 0.077      | 2       | 1.5        | 0.013     | 0.27      | 0.049   | 0.03     | 3.5      | 0.1      | 0.0249    | 4        |
| 11DS0350  | 0.1      | 0.049    | 101     | 1.09       | 0.133      | 7        | 49       | 2.24      | 504      | 0.227      | 1       | 2.5        | 0.028     | 0.85      | 0.1     | 0.03     | 6.6      | 0.2      | 0.0249    | 7        |
| 11DS0349  | 0.1      | 0.049    | 76      | 0.88       | 0.219      | 27       | 8        | 1.41      | 410      | 0.155      | 0.49    | 1.95       | 0.011     | 0.67      | 0.049   | 0.02     | 3        | 0.1      | 0.0249    | 4        |
| 11DS0348  | 0.2      | 0.049    | 33      | 0.44       | 0.056      | 28       | 16       | 0.78      | 131      | 0.118      | 3       | 1.58       | 0.009     | 0.17      | 0.1     | 0.0049   | 2.5      | 0.2      | 0.0249    | 5        |
| 11DS0347  | 0.2      | 0.049    | 35      | 0.22       | 0.045      | 15       | 17       | 0.8       | 160      | 0.135      | 2       | 1.78       | 0.023     | 0.34      | 0.049   | 0.01     | 1.7      | 0.2      | 0.08      | 5        |
| 11DS0346  | 0.2      | 0.4      | 33      | 0.17       | 0.028      | 21       | 18       | 0.38      | 219      | 0.052      | 2       | 1.15       | 0.03      | 0.11      | 0.049   | 0.02     | 3.3      | 0.049    | 0.11      | 3        |
| 11DS0345  | 0.4      | 1        | 21      | 0.11       | 0.035      | 23       | 13       | 0.33      | 220      | 0.012      | 4       | 1.36       | 0.013     | 0.11      | 0.049   | 0.02     | 3        | 0.049    | 0.07      | 3        |
| 11DS0344  | 0.3      | 0.2      | 38      | 0.11       | 0.037      | 31       | 19       | 0.39      | 170      | 0.064      | 3       | 1.45       | 0.028     | 0.17      | 0.049   | 0.01     | 2.2      | 0.1      | 0.17      | 5        |
| 11DS0343  | 0.1      | 0.4      | 27      | 0.09       | 0.044      | 23       | 12       | 0.36      | 90       | 0.072      | 3       | 1.42       | 0.03      | 0.11      | 0.049   | 0.01     | 2        | 0.1      | 0.14      | 4        |
| 11DS0342  | 0.2      | 0.2      | 19      | 0.12       | 0.043      | 25       | 10       | 0.29      | 196      | 0.056      | 3       | 1.32       | 0.084     | 0.14      | 0.049   | 0.01     | 2        | 0.049    | 0.39      | 3        |
| 11DS0340  | 0.4      | 0.1      | 33      | 0.2        | 0.026      | 6        | 25       | 0.49      | 186      | 0.062      | 0.49    | 1.31       | 0.01      | 0.22      | 0.049   | 0.0049   | 1.8      | 0.1      | 0.0249    | 4        |
| 11DS0339  | 1.6      | 0.049    | 52      | 0.28       | 0.043      | 17       | 37       | 0.82      | 242      | 0.042      | 0.49    | 1.52       | 0.009     | 0.14      | 0.049   | 0.01     | 4        | 0.1      | 0.0249    | 4        |
| 11DS0338  | 0.2      | 0.049    | 61      | 0.23       | 0.082      | 9        | 21       | 0.92      | 217      | 0.121      | 0.49    | 2.01       | 0.011     | 0.57      | 0.049   | 0.0049   | 3.3      | 0.4      | 0.0249    | 6        |
| 11DS0337  | 0.1      | 0.1      | 51      | 0.29       | 0.048      | 19       | 47       | 1.37      | 232      | 0.203      | 0.49    | 2.25       | 0.008     | 1.05      | 0.3     | 0.0049   | 2.6      | 0.5      | 0.0249    | 6        |
| 11DS0336  | 0.2      | 0.7      | 90      | 0.35       | 0.046      | 12       | 23       | 0.95      | 219      | 0.07       | 0.49    | 2.14       | 0.021     | 0.22      | 0.049   | 0.0049   | 5.2      | 0.049    | 0.0249    | 8        |
| 11DS0335  | 0.2      | 0.2      | 26      | 0.31       | 0.039      | 18       | 10       | 0.44      | 179      | 0.044      | 0.49    | 1.13       | 0.028     | 0.19      | 0.049   | 0.01     | 2.6      | 0.1      | 0.08      | 3        |
| 11DS0334  | 0.1      | 0.1      | 16      | 0.22       | 0.048      | 42       | 8        | 0.32      | 171      | 0.02       | 0.49    | 0.84       | 0.005     | 0.16      | 0.049   | 0.0049   | 1.8      | 0.049    | 0.0249    | 2        |
| 11DS0333  | 0.2      | 0.049    | 75      | 0.4        | 0.087      | 22       | 11       | 1.11      | 576      | 0.191      | 0.49    | 2.17       | 0.008     | 0.92      | 0.049   | 0.01     | 10       | 0.3      | 0.0249    | 8        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0332  | 0.2      | 0.049    | 63      | 0.39       | 0.137      | 12       | 12       | 0.96      | 209      | 0.076      | 0.49    | 2.08       | 0.007     | 0.36      | 0.049   | 0.0049   | 8        | 0.3      | 0.0249    | 8        |
| 11DS0331  | 0.3      | 0.1      | 54      | 0.18       | 0.042      | 5        | 19       | 0.61      | 2617     | 0.092      | 0.49    | 1.51       | 0.009     | 0.2       | 0.1     | 0.0049   | 2.9      | 0.2      | 0.0249    | 5        |
| 11DS0330  | 0.049    | 0.049    | 92      | 0.49       | 0.074      | 11       | 28       | 1.81      | 430      | 0.208      | 0.49    | 2.66       | 0.013     | 0.84      | 0.1     | 0.01     | 5.2      | 0.3      | 0.0249    | 8        |
| 11DS0329  | 0.049    | 0.049    | 93      | 0.49       | 0.076      | 11       | 28       | 1.81      | 431      | 0.209      | 0.49    | 2.63       | 0.013     | 0.82      | 0.1     | 0.0049   | 5.7      | 0.3      | 0.0249    | 8        |
| 11DS0328  | 0.4      | 0.2      | 26      | 0.41       | 0.08       | 25       | 8        | 0.58      | 184      | 0.044      | 0.49    | 1.19       | 0.007     | 0.23      | 0.049   | 0.02     | 1.8      | 0.1      | 0.0249    | 3        |
| 11DS0327  | 1.6      | 0.2      | 34      | 0.54       | 0.054      | 19       | 18       | 0.62      | 207      | 0.071      | 1       | 1.33       | 0.012     | 0.22      | 0.049   | 0.04     | 1.8      | 0.2      | 0.0249    | 4        |
| 11DS0326  | 0.3      | 0.2      | 35      | 0.27       | 0.046      | 22       | 16       | 0.6       | 163      | 0.082      | 0.49    | 1.47       | 0.019     | 0.17      | 0.049   | 0.01     | 1.8      | 0.2      | 0.0249    | 4        |
| 11DS0325  | 0.3      | 1.9      | 24      | 0.25       | 0.053      | 17       | 19       | 0.36      | 181      | 0.048      | 0.49    | 1          | 0.012     | 0.06      | 0.049   | 0.02     | 1.6      | 0.049    | 0.0249    | 3        |
| 11DS0324  | 0.1      | 4.3      | 19      | 0.18       | 0.062      | 25       | 24       | 0.22      | 203      | 0.02       | 0.49    | 0.92       | 0.02      | 0.07      | 0.049   | 0.05     | 1.4      | 0.049    | 0.1       | 3        |
| 11DS0323  | 0.3      | 1.3      | 21      | 0.1        | 0.045      | 54       | 12       | 0.2       | 197      | 0.034      | 0.49    | 1.05       | 0.157     | 0.18      | 0.049   | 0.01     | 1.8      | 0.1      | 0.62      | 3        |
| 11DS0322  | 0.4      | 0.7      | 15      | 0.1        | 0.056      | 39       | 8        | 0.26      | 161      | 0.059      | 0.49    | 1.13       | 0.075     | 0.23      | 0.049   | 0.01     | 1.2      | 0.2      | 0.4       | 3        |
| 11DS0320  | 0.6      | 0.8      | 28      | 0.2        | 0.061      | 27       | 14       | 0.38      | 149      | 0.06       | 0.49    | 1.1        | 0.026     | 0.1       | 0.049   | 0.03     | 2.3      | 0.1      | 0.0249    | 3        |
| 11DS0319  | 0.3      | 0.2      | 33      | 0.31       | 0.067      | 23       | 13       | 0.56      | 144      | 0.11       | 0.49    | 1.15       | 0.022     | 0.19      | 0.1     | 0.0049   | 1.6      | 0.1      | 0.0249    | 3        |
| 11DS0318  | 0.3      | 0.2      | 42      | 0.36       | 0.061      | 17       | 23       | 0.54      | 217      | 0.083      | 0.49    | 1.24       | 0.015     | 0.1       | 0.1     | 0.03     | 2.4      | 0.049    | 0.0249    | 3        |
| 11DS0317  | 0.4      | 0.2      | 31      | 0.33       | 0.069      | 28       | 16       | 0.45      | 249      | 0.07       | 1       | 1.08       | 0.054     | 0.17      | 0.049   | 0.0049   | 2.2      | 0.1      | 0.24      | 3        |
| 11DS0316  | 0.3      | 3.9      | 20      | 0.18       | 0.035      | 35       | 15       | 0.43      | 214      | 0.037      | 0.49    | 1.04       | 0.023     | 0.14      | 0.049   | 0.0049   | 1.6      | 0.1      | 0.06      | 2        |
| 11DS0315  | 0.2      | 0.3      | 26      | 0.16       | 0.037      | 9        | 14       | 0.48      | 145      | 0.045      | 0.49    | 1.38       | 0.006     | 0.27      | 0.049   | 0.0049   | 1.8      | 0.2      | 0.0249    | 5        |
| 11DS0314  | 0.2      | 0.1      | 51      | 0.34       | 0.068      | 10       | 13       | 0.52      | 271      | 0.095      | 0.49    | 1.3        | 0.008     | 0.21      | 0.1     | 0.0049   | 3        | 0.1      | 0.0249    | 6        |
| 11DS0313  | 0.2      | 0.1      | 46      | 0.41       | 0.055      | 12       | 22       | 0.69      | 204      | 0.09       | 0.49    | 1.35       | 0.011     | 0.15      | 0.049   | 0.0049   | 2.7      | 0.1      | 0.0249    | 5        |
| 11DS0312  | 0.2      | 0.1      | 36      | 0.58       | 0.054      | 17       | 21       | 0.62      | 164      | 0.084      | 0.49    | 1.45       | 0.012     | 0.19      | 0.1     | 0.03     | 1.7      | 0.2      | 0.0249    | 4        |
| 11DS0311  | 0.3      | 2.8      | 6       | 0.08       | 0.035      | 28       | 5        | 0.15      | 236      | 0.006      | 0.49    | 0.57       | 0.007     | 0.07      | 0.1     | 0.0049   | 2.3      | 0.049    | 0.08      | 2        |
| 11DS0310  | 0.2      | 0.049    | 40      | 0.99       | 0.052      | 8        | 10       | 0.69      | 400      | 0.11       | 1       | 1.34       | 0.009     | 0.47      | 0.1     | 0.02     | 1.2      | 0.2      | 0.0249    | 4        |
| 11DS0309  | 0.2      | 0.049    | 50      | 0.43       | 0.078      | 11       | 17       | 0.99      | 302      | 0.14       | 0.49    | 1.69       | 0.01      | 0.45      | 0.1     | 0.02     | 2.1      | 0.2      | 0.0249    | 5        |
| 11DS0308  | 0.2      | 0.049    | 46      | 0.44       | 0.105      | 9        | 12       | 1.12      | 327      | 0.134      | 0.49    | 1.82       | 0.01      | 0.61      | 0.1     | 0.01     | 2.9      | 0.2      | 0.0249    | 5        |
| 11DS0307  | 0.4      | 0.2      | 53      | 0.55       | 0.107      | 20       | 17       | 0.73      | 549      | 0.085      | 1       | 1.58       | 0.014     | 0.38      | 0.049   | 0.02     | 6.6      | 0.1      | 0.0249    | 5        |
| 11DS0306  | 0.6      | 0.3      | 62      | 0.34       | 0.057      | 20       | 25       | 1.25      | 193      | 0.085      | 1       | 1.97       | 0.007     | 0.56      | 0.049   | 0.04     | 5.1      | 0.2      | 0.0249    | 5        |
| 11DS0305  | 0.7      | 4.2      | 23      | 0.22       | 0.035      | 48       | 18       | 0.19      | 289      | 0.018      | 2       | 0.99       | 0.01      | 0.12      | 0.1     | 0.03     | 3.1      | 0.1      | 0.0249    | 3        |
| 11DS0304  | 0.3      | 0.1      | 23      | 0.32       | 0.076      | 35       | 8        | 0.63      | 312      | 0.053      | 0.49    | 1.32       | 0.01      | 0.25      | 0.049   | 0.02     | 2.1      | 0.2      | 0.0249    | 4        |
| 11DS0303  | 0.2      | 0.2      | 10      | 0.12       | 0.026      | 43       | 8        | 0.25      | 170      | 0.01       | 0.49    | 0.79       | 0.008     | 0.14      | 0.049   | 0.0049   | 2.7      | 0.049    | 0.0249    | 2        |
| 11DS0302  | 0.5      | 0.1      | 48      | 4.32       | 0.058      | 35       | 25       | 0.64      | 280      | 0.068      | 2       | 1.12       | 0.017     | 0.14      | 0.2     | 0.06     | 3.3      | 0.1      | 0.0249    | 4        |
| 11DS0300  | 0.3      | 0.1      | 88      | 0.41       | 0.077      | 17       | 29       | 1.42      | 327      | 0.132      | 2       | 2.6        | 0.01      | 0.87      | 0.1     | 0.02     | 7.7      | 0.3      | 0.0249    | 9        |
| 11DS0299  | 0.2      | 0.049    | 64      | 2.18       | 0.082      | 10       | 58       | 1.64      | 230      | 0.103      | 0.49    | 1.79       | 0.019     | 0.31      | 0.049   | 0.02     | 4.3      | 0.049    | 0.0249    | 6        |
| 11DS0298  | 0.2      | 0.049    | 96      | 0.78       | 0.198      | 9        | 13       | 1.78      | 284      | 0.131      | 0.49    | 2.43       | 0.014     | 0.59      | 0.049   | 0.01     | 5.9      | 0.049    | 0.0249    | 7        |
| 11DS0297  | 0.1      | 0.1      | 37      | 0.32       | 0.088      | 12       | 13       | 0.78      | 522      | 0.077      | 0.49    | 1.8        | 0.006     | 0.56      | 0.049   | 0.0049   | 1.8      | 0.2      | 0.0249    | 6        |
| 11DS0296  | 0.2      | 0.1      | 34      | 0.43       | 0.074      | 6        | 14       | 0.35      | 346      | 0.039      | 2       | 1.14       | 0.011     | 0.2       | 0.049   | 0.01     | 1.7      | 0.049    | 0.0249    | 4        |
| 11DS0295  | 0.2      | 0.2      | 12      | 0.09       | 0.027      | 55       | 8        | 0.26      | 188      | 0.016      | 0.49    | 1.07       | 0.006     | 0.09      | 0.049   | 0.02     | 2.5      | 0.049    | 0.0249    | 2        |
| 11DS0294  | 0.2      | 5.8      | 22      | 0.15       | 0.048      | 45       | 14       | 0.35      | 227      | 0.075      | 0.49    | 1.02       | 0.058     | 0.19      | 0.049   | 0.02     | 2.1      | 0.2      | 0.47      | 3        |
| 11DS0293  | 0.2      | 20       | 10      | 0.08       | 0.048      | 52       | 7        | 0.11      | 175      | 0.021      | 0.49    | 0.58       | 0.098     | 0.2       | 0.049   | 0.02     | 1.4      | 0.1      | 0.62      | 2        |
| 11DS0292  | 0.2      | 0.6      | 24      | 0.12       | 0.037      | 19       | 10       | 0.23      | 182      | 0.03       | 0.49    | 1.02       | 0.034     | 0.1       | 0.049   | 0.03     | 1        | 0.049    | 0.1       | 3        |
| 11DS0291  | 0.2      | 0.1      | 21      | 0.23       | 0.044      | 20       | 12       | 0.3       | 124      | 0.061      | 0.49    | 1.08       | 0.016     | 0.08      | 0.049   | 0.02     | 1.9      | 0.049    | 0.0249    | 2        |
| 11DS0290  | 0.2      | 9.1      | 18      | 0.27       | 0.032      | 39       | 10       | 0.36      | 144      | 0.055      | 0.49    | 0.98       | 0.032     | 0.14      | 0.049   | 0.03     | 2.5      | 0.1      | 0.14      | 3        |
| 11DS0289  | 0.3      | 0.5      | 24      | 0.23       | 0.039      | 30       | 13       | 0.39      | 201      | 0.031      | 0.49    | 1.05       | 0.019     | 0.17      | 0.049   | 0.02     | 2.7      | 0.049    | 0.0249    | 3        |
| 11DS0288  | 0.2      | 0.1      | 19      | 0.28       | 0.044      | 40       | 11       | 0.42      | 248      | 0.031      | 0.49    | 0.99       | 0.012     | 0.15      | 0.049   | 0.03     | 2.4      | 0.049    | 0.0249    | 2        |
| 11DS0287  | 0.3      | 0.1      | 31      | 0.37       | 0.031      | 22       | 18       | 0.37      | 217      | 0.033      | 2       | 0.93       | 0.012     | 0.11      | 0.1     | 0.03     | 2.7      | 0.049    | 0.0249    | 2        |
| 11DS0286  | 0.3      | 0.049    | 57      | 4.43       | 0.063      | 18       | 15       | 0.94      | 269      | 0.071      | 2       | 1.38       | 0.015     | 0.1       | 0.1     | 0.03     | 2.8      | 0.049    | 0.0249    | 3        |
| 11DS0285  | 0.049    | 0.049    | 17      | 0.26       | 0.027      | 12       | 13       | 0.44      | 83       | 0.065      | 0.49    | 1.21       | 0.008     | 0.21      | 0.049   | 0.0049   | 1.1      | 0.1      | 0.0249    | 2        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0284  | 0.2      | 0.049    | 20      | 0.17       | 0.038      | 24       | 8        | 0.47      | 112      | 0.054      | 0.49    | 1.07       | 0.015     | 0.17      | 0.049   | 0.02     | 2.4      | 0.1      | 0.0249    | 2        |
| 11DS0283  | 0.3      | 0.049    | 31      | 0.19       | 0.032      | 20       | 16       | 0.43      | 216      | 0.071      | 0.49    | 1.4        | 0.008     | 0.34      | 0.049   | 0.02     | 3.4      | 0.2      | 0.0249    | 4        |
| 11DS0282  | 0.2      | 0.049    | 23      | 0.2        | 0.047      | 41       | 14       | 0.52      | 122      | 0.085      | 2       | 1.33       | 0.096     | 0.18      | 0.049   | 0.01     | 2.3      | 0.049    | 0.39      | 3        |
| 11DS0280  | 0.3      | 0.7      | 44      | 0.34       | 0.044      | 30       | 23       | 0.43      | 366      | 0.064      | 0.49    | 1.38       | 0.02      | 0.1       | 0.049   | 0.01     | 3.7      | 0.049    | 0.0249    | 4        |
| 11DS0279  | 0.3      | 1.2      | 29      | 0.36       | 0.054      | 19       | 14       | 0.53      | 183      | 0.091      | 1       | 1.2        | 0.019     | 0.23      | 0.049   | 0.0049   | 2.2      | 0.2      | 0.09      | 3        |
| 11DS0278  | 0.3      | 1.2      | 22      | 0.4        | 0.108      | 37       | 32       | 0.37      | 200      | 0.029      | 0.49    | 1.01       | 0.043     | 0.11      | 0.049   | 0.02     | 3.4      | 0.1      | 0.24      | 3        |
| 11DS0277  | 0.2      | 0.1      | 37      | 0.51       | 0.044      | 21       | 18       | 0.46      | 273      | 0.08       | 2       | 1.28       | 0.012     | 0.16      | 0.049   | 0.0049   | 2.3      | 0.1      | 0.0249    | 4        |
| 11DS0276  | 0.2      | 0.1      | 23      | 0.28       | 0.041      | 19       | 11       | 0.41      | 220      | 0.069      | 0.49    | 1.1        | 0.01      | 0.24      | 0.049   | 0.0049   | 1.4      | 0.2      | 0.05      | 3        |
| 11DS0275  | 0.2      | 0.1      | 74      | 0.26       | 0.044      | 14       | 28       | 0.94      | 280      | 0.184      | 0.49    | 1.97       | 0.01      | 0.59      | 0.2     | 0.01     | 5.4      | 0.3      | 0.0249    | 7        |
| 11DS0274  | 0.2      | 0.1      | 69      | 0.29       | 0.038      | 14       | 32       | 0.78      | 224      | 0.116      | 0.49    | 1.75       | 0.011     | 0.1       | 0.1     | 0.0049   | 4.8      | 0.1      | 0.0249    | 6        |
| 11DS0273  | 0.2      | 0.049    | 93      | 0.29       | 0.098      | 11       | 15       | 0.95      | 246      | 0.181      | 0.49    | 2.31       | 0.01      | 0.67      | 0.049   | 0.0049   | 6.5      | 0.3      | 0.0249    | 9        |
| 11DS0272  | 0.3      | 0.049    | 66      | 0.27       | 0.052      | 12       | 25       | 0.84      | 199      | 0.176      | 1       | 2.01       | 0.011     | 0.38      | 0.1     | 0.0049   | 3.6      | 0.2      | 0.0249    | 6        |
| 11DS0271  | 0.3      | 0.049    | 68      | 0.28       | 0.033      | 11       | 30       | 0.79      | 191      | 0.138      | 0.49    | 1.86       | 0.009     | 0.26      | 0.049   | 0.02     | 3.5      | 0.2      | 0.0249    | 6        |
| 11DS0270  | 0.2      | 0.049    | 55      | 0.34       | 0.046      | 11       | 23       | 0.67      | 193      | 0.151      | 0.49    | 1.75       | 0.009     | 0.24      | 0.1     | 0.0049   | 3        | 0.1      | 0.0249    | 7        |
| 11DS0269  | 0.3      | 0.1      | 61      | 0.29       | 0.031      | 12       | 32       | 0.61      | 174      | 0.098      | 0.49    | 1.56       | 0.011     | 0.08      | 0.1     | 0.01     | 3.1      | 0.049    | 0.0249    | 5        |
| 11DS0268  | 0.2      | 0.049    | 66      | 0.22       | 0.044      | 10       | 22       | 0.88      | 168      | 0.182      | 0.49    | 2.06       | 0.009     | 0.4       | 0.049   | 0.01     | 5.2      | 0.2      | 0.0249    | 9        |
| 11DS0267  | 0.1      | 0.049    | 58      | 0.6        | 0.057      | 10       | 103      | 1.2       | 143      | 0.128      | 2       | 1.62       | 0.034     | 0.05      | 0.049   | 0.0049   | 3.7      | 0.049    | 0.0249    | 5        |
| 11DS0266  | 0.3      | 0.1      | 72      | 0.33       | 0.048      | 16       | 31       | 0.94      | 360      | 0.135      | 2       | 2.26       | 0.019     | 0.09      | 0.1     | 0.02     | 5.1      | 0.1      | 0.0249    | 8        |
| 11DS0265  | 0.2      | 0.049    | 82      | 0.6        | 0.077      | 18       | 28       | 1.18      | 249      | 0.156      | 1       | 2.42       | 0.04      | 0.13      | 0.049   | 0.0049   | 7.2      | 0.049    | 0.0249    | 8        |
| 11DS0264  | 0.1      | 0.049    | 119     | 0.76       | 0.148      | 15       | 23       | 1.56      | 252      | 0.112      | 0.49    | 2.49       | 0.039     | 0.12      | 0.049   | 0.01     | 10.3     | 0.049    | 0.0249    | 11       |
| 11DS0263  | 0.2      | 0.049    | 60      | 0.39       | 0.097      | 17       | 13       | 0.96      | 384      | 0.181      | 0.49    | 2.17       | 0.015     | 0.76      | 0.049   | 0.0049   | 7.9      | 0.2      | 0.0249    | 10       |
| 11DS0262  | 0.2      | 0.1      | 82      | 0.54       | 0.075      | 18       | 35       | 1         | 294      | 0.115      | 1       | 2.49       | 0.024     | 0.16      | 0.049   | 0.05     | 7.8      | 0.049    | 0.0249    | 9        |
| 11DS0260  | 0.2      | 0.1      | 69      | 0.64       | 0.092      | 12       | 27       | 0.94      | 227      | 0.126      | 0.49    | 2.53       | 0.021     | 0.11      | 0.049   | 0.02     | 4.7      | 0.049    | 0.0249    | 8        |
| 11DS0259  | 0.1      | 0.049    | 56      | 0.66       | 0.107      | 15       | 7        | 1.06      | 238      | 0.23       | 0.49    | 2.56       | 0.012     | 0.79      | 0.049   | 0.01     | 2.5      | 0.4      | 0.0249    | 8        |
| 11DS0258  | 0.1      | 0.049    | 81      | 0.81       | 0.244      | 16       | 12       | 1.22      | 318      | 0.165      | 1       | 2.33       | 0.015     | 0.48      | 0.049   | 0.02     | 11.6     | 0.2      | 0.0249    | 11       |
| 11DS0257  | 0.3      | 0.1      | 48      | 0.55       | 0.101      | 10       | 21       | 0.67      | 482      | 0.043      | 0.49    | 1.77       | 0.017     | 0.08      | 0.049   | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11DS0256  | 0.3      | 0.1      | 70      | 0.37       | 0.077      | 15       | 24       | 0.82      | 396      | 0.08       | 0.49    | 1.95       | 0.018     | 0.09      | 0.1     | 0.02     | 5.7      | 0.049    | 0.0249    | 7        |
| 11DS0255  | 0.2      | 0.049    | 68      | 0.4        | 0.061      | 19       | 25       | 0.77      | 233      | 0.116      | 2       | 1.58       | 0.016     | 0.16      | 0.049   | 0.02     | 4.2      | 0.049    | 0.0249    | 6        |
| 11DS0254  | 0.1      | 0.049    | 67      | 0.48       | 0.084      | 17       | 16       | 0.82      | 217      | 0.146      | 0.49    | 1.79       | 0.012     | 0.52      | 0.049   | 0.0049   | 7.1      | 0.1      | 0.0249    | 9        |
| 11DS0253  | 0.1      | 0.049    | 81      | 0.47       | 0.098      | 9        | 51       | 1.25      | 193      | 0.201      | 0.49    | 2.01       | 0.016     | 0.31      | 0.049   | 0.01     | 3.7      | 0.1      | 0.0249    | 7        |
| 11DS0252  | 0.049    | 0.049    | 71      | 0.43       | 0.126      | 9        | 20       | 0.79      | 110      | 0.086      | 0.49    | 1.41       | 0.018     | 0.14      | 0.049   | 0.0049   | 5        | 0.049    | 0.0249    | 8        |
| 11DS0251  | 0.2      | 0.049    | 100     | 0.48       | 0.064      | 6        | 59       | 1.15      | 205      | 0.1        | 0.49    | 1.95       | 0.019     | 0.09      | 0.049   | 0.01     | 7.1      | 0.049    | 0.0249    | 8        |
| 11DS0250  | 0.3      | 0.049    | 51      | 0.32       | 0.022      | 11       | 19       | 0.32      | 136      | 0.043      | 0.49    | 0.86       | 0.008     | 0.1       | 0.049   | 0.0049   | 2        | 0.049    | 0.0249    | 4        |
| 11DS0249  | 0.2      | 0.049    | 54      | 0.38       | 0.074      | 8        | 20       | 0.75      | 168      | 0.063      | 0.49    | 1.4        | 0.011     | 0.07      | 0.049   | 0.0049   | 4.9      | 0.049    | 0.0249    | 7        |
| 11DS0248  | 0.2      | 0.049    | 72      | 0.63       | 0.113      | 11       | 19       | 0.95      | 949      | 0.093      | 0.49    | 1.8        | 0.021     | 0.08      | 0.049   | 0.0049   | 8        | 0.049    | 0.0249    | 9        |
| 11DS0247  | 0.1      | 0.049    | 89      | 1.11       | 0.171      | 7        | 22       | 1.35      | 241      | 0.188      | 0.49    | 2.58       | 0.06      | 0.29      | 0.049   | 0.02     | 6.3      | 0.049    | 0.0249    | 9        |
| 11DS0246  | 0.1      | 0.049    | 65      | 0.69       | 0.054      | 12       | 14       | 0.88      | 242      | 0.112      | 0.49    | 1.96       | 0.014     | 0.12      | 0.049   | 0.0049   | 3.6      | 0.049    | 0.0249    | 5        |
| 11DS0245  | 0.2      | 0.049    | 70      | 0.61       | 0.09       | 22       | 33       | 0.88      | 195      | 0.108      | 0.49    | 1.98       | 0.024     | 0.1       | 0.049   | 0.04     | 6.4      | 0.049    | 0.0249    | 7        |
| 11DS0244  | 0.3      | 0.1      | 68      | 0.65       | 0.1        | 16       | 36       | 0.85      | 378      | 0.084      | 2       | 1.81       | 0.019     | 0.07      | 0.1     | 0.04     | 5.1      | 0.049    | 0.0249    | 6        |
| 11DS0243  | 0.2      | 0.049    | 50      | 0.53       | 0.087      | 10       | 23       | 0.76      | 315      | 0.069      | 1       | 1.78       | 0.014     | 0.1       | 0.049   | 0.02     | 3.3      | 0.049    | 0.0249    | 7        |
| 11DS0242  | 0.1      | 0.049    | 42      | 0.56       | 0.089      | 9        | 8        | 1.05      | 458      | 0.077      | 0.49    | 1.94       | 0.009     | 0.26      | 0.049   | 0.0049   | 3.4      | 0.1      | 0.0249    | 8        |
| 11DS0240  | 0.2      | 0.049    | 63      | 0.6        | 0.101      | 11       | 28       | 0.9       | 289      | 0.086      | 0.49    | 1.69       | 0.015     | 0.1       | 0.1     | 0.02     | 5        | 0.049    | 0.0249    | 7        |
| 11DS0239  | 0.1      | 0.049    | 38      | 0.47       | 0.06       | 5        | 16       | 0.89      | 314      | 0.05       | 0.49    | 1.6        | 0.01      | 0.22      | 0.049   | 0.0049   | 2.6      | 0.049    | 0.0249    | 6        |
| 11DS0238  | 0.3      | 0.049    | 58      | 0.88       | 0.082      | 14       | 28       | 0.72      | 423      | 0.067      | 1       | 1.72       | 0.02      | 0.06      | 0.1     | 0.05     | 4.4      | 0.049    | 0.0249    | 6        |
| 11DS0237  | 0.2      | 0.049    | 66      | 0.63       | 0.078      | 15       | 24       | 0.96      | 239      | 0.139      | 0.49    | 2.19       | 0.016     | 0.33      | 0.049   | 0.02     | 4.5      | 0.1      | 0.0249    | 7        |
| 11DS0236  | 0.049    | 0.049    | 91      | 0.84       | 0.088      | 11       | 54       | 1.31      | 214      | 0.189      | 0.49    | 2.6        | 0.013     | 0.12      | 0.049   | 0.01     | 4.8      | 0.049    | 0.0249    | 8        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0235  | 0.2      | 0.049    | 98      | 0.62       | 0.132      | 5        | 29       | 1.1       | 225      | 0.129      | 0.49    | 2.39       | 0.02      | 0.17      | 0.049   | 0.01     | 4.7      | 0.049    | 0.0249    | 8        |
| 11DS0234  | 0.2      | 0.1      | 75      | 0.65       | 0.087      | 19       | 27       | 0.93      | 294      | 0.133      | 0.49    | 2.02       | 0.02      | 0.19      | 0.1     | 0.04     | 6.3      | 0.049    | 0.0249    | 8        |
| 11DS0233  | 0.049    | 0.049    | 100     | 0.38       | 0.084      | 16       | 21       | 1.7       | 419      | 0.142      | 0.49    | 2.55       | 0.013     | 0.61      | 0.049   | 0.0049   | 10.8     | 0.2      | 0.0249    | 11       |
| 11DS0232  | 0.049    | 0.049    | 103     | 0.61       | 0.125      | 19       | 49       | 1.66      | 361      | 0.095      | 0.49    | 2.74       | 0.028     | 0.48      | 0.049   | 0.0049   | 8.9      | 0.1      | 0.0249    | 11       |
| 11DS0231  | 0.2      | 0.049    | 77      | 0.69       | 0.077      | 15       | 52       | 1         | 223      | 0.139      | 2       | 1.99       | 0.027     | 0.16      | 0.049   | 0.02     | 4.7      | 0.049    | 0.0249    | 7        |
| 11DS0230  | 0.1      | 0.049    | 70      | 0.66       | 0.107      | 21       | 24       | 0.85      | 368      | 0.126      | 1       | 2.08       | 0.018     | 0.42      | 0.049   | 0.03     | 6.4      | 0.2      | 0.0249    | 7        |
| 11DS0229  | 0.2      | 0.049    | 64      | 0.57       | 0.076      | 22       | 27       | 0.74      | 460      | 0.092      | 0.49    | 2.12       | 0.014     | 0.3       | 0.049   | 0.03     | 7.2      | 0.1      | 0.0249    | 7        |
| 11DS0228  | 0.3      | 0.049    | 75      | 0.58       | 0.064      | 21       | 35       | 0.86      | 488      | 0.11       | 0.49    | 2.38       | 0.015     | 0.27      | 0.1     | 0.02     | 7.9      | 0.1      | 0.0249    | 8        |
| 11DS0227  | 0.4      | 0.1      | 78      | 0.66       | 0.065      | 20       | 36       | 0.85      | 474      | 0.113      | 1       | 2.41       | 0.017     | 0.19      | 0.1     | 0.02     | 8.3      | 0.1      | 0.0249    | 8        |
| 11DS0226  | 0.2      | 0.049    | 61      | 0.31       | 0.046      | 24       | 25       | 0.94      | 353      | 0.106      | 1       | 1.82       | 0.012     | 0.43      | 0.1     | 0.0049   | 9.8      | 0.1      | 0.0249    | 6        |
| 11DS0225  | 0.3      | 0.1      | 67      | 0.47       | 0.036      | 18       | 39       | 0.83      | 370      | 0.092      | 1       | 2.11       | 0.012     | 0.15      | 0.049   | 0.01     | 6.8      | 0.1      | 0.0249    | 6        |
| 11DS0224  | 0.2      | 0.1      | 58      | 0.57       | 0.043      | 16       | 25       | 0.66      | 444      | 0.061      | 1       | 1.98       | 0.012     | 0.19      | 0.049   | 0.02     | 5.5      | 0.1      | 0.0249    | 7        |
| 11DS0223  | 0.1      | 0.049    | 55      | 0.68       | 0.08       | 16       | 29       | 0.79      | 480      | 0.059      | 1       | 1.73       | 0.014     | 0.19      | 0.049   | 0.02     | 6.4      | 0.049    | 0.0249    | 6        |
| 11DS0222  | 0.2      | 0.049    | 49      | 0.93       | 0.103      | 20       | 32       | 0.71      | 712      | 0.055      | 2       | 1.85       | 0.014     | 0.15      | 0.049   | 0.07     | 6.5      | 0.1      | 0.0249    | 6        |
| 11DS0220  | 0.2      | 0.049    | 66      | 1.13       | 0.095      | 18       | 51       | 0.95      | 729      | 0.089      | 2       | 2          | 0.02      | 0.13      | 0.049   | 0.08     | 8        | 0.049    | 0.0249    | 6        |
| 11DS0219  | 0.2      | 0.049    | 49      | 0.47       | 0.045      | 20       | 16       | 0.56      | 284      | 0.053      | 1       | 1.52       | 0.01      | 0.19      | 0.049   | 0.02     | 6.2      | 0.049    | 0.0249    | 7        |
| 11DS0218  | 0.3      | 0.1      | 70      | 0.56       | 0.051      | 15       | 30       | 0.71      | 366      | 0.083      | 2       | 2.02       | 0.021     | 0.13      | 0.049   | 0.0049   | 6.1      | 0.1      | 0.0249    | 6        |
| 11DS0217  | 0.2      | 0.049    | 93      | 0.68       | 0.111      | 9        | 15       | 1.06      | 353      | 0.229      | 6       | 2.85       | 0.025     | 0.4       | 0.049   | 0.0049   | 4.9      | 0.1      | 0.0249    | 8        |
| 11DS0216  | 0.2      | 0.049    | 88      | 0.89       | 0.078      | 10       | 23       | 0.97      | 284      | 0.173      | 2       | 2.31       | 0.022     | 0.22      | 0.1     | 0.03     | 6        | 0.049    | 0.0249    | 7        |
| 11DS0215  | 0.2      | 0.049    | 47      | 0.54       | 0.101      | 11       | 18       | 0.69      | 273      | 0.087      | 1       | 1.93       | 0.012     | 0.14      | 0.049   | 0.0049   | 3.3      | 0.049    | 0.0249    | 5        |
| 11DS0214  | 0.2      | 0.049    | 92      | 0.67       | 0.063      | 14       | 25       | 1.07      | 379      | 0.159      | 1       | 2.34       | 0.019     | 0.18      | 0.049   | 0.03     | 6.8      | 0.049    | 0.0249    | 8        |
| 11DS0213  | 0.2      | 0.049    | 143     | 0.82       | 0.081      | 9        | 18       | 1.87      | 321      | 0.186      | 0.49    | 3.04       | 0.046     | 0.16      | 0.049   | 0.0049   | 12.7     | 0.049    | 0.0249    | 12       |
| 11DS0212  | 0.3      | 0.049    | 88      | 0.6        | 0.089      | 14       | 32       | 1.01      | 343      | 0.127      | 1       | 1.99       | 0.02      | 0.31      | 0.1     | 0.0049   | 6.6      | 0.1      | 0.0249    | 7        |
| 11DS0210  | 0.2      | 0.049    | 46      | 0.22       | 0.018      | 19       | 26       | 0.82      | 263      | 0.084      | 0.49    | 1.94       | 0.009     | 0.18      | 0.049   | 0.0049   | 4.4      | 0.1      | 0.0249    | 6        |
| 11DS0209  | 0.3      | 0.1      | 87      | 1.29       | 0.11       | 29       | 118      | 1.24      | 864      | 0.063      | 3       | 2.54       | 0.012     | 0.12      | 0.049   | 0.04     | 8.6      | 0.2      | 0.05      | 7        |
| 11DS0208  | 0.2      | 0.049    | 60      | 1.02       | 0.119      | 16       | 52       | 1.09      | 457      | 0.103      | 2       | 1.92       | 0.015     | 0.12      | 0.1     | 0.04     | 5.2      | 0.1      | 0.06      | 6        |
| 11DS0207  | 0.3      | 0.1      | 53      | 0.31       | 0.025      | 18       | 32       | 0.88      | 283      | 0.1        | 2       | 1.82       | 0.01      | 0.19      | 0.049   | 0.0049   | 5.1      | 0.1      | 0.0249    | 6        |
| 11DS0206  | 0.3      | 0.1      | 120     | 0.4        | 0.045      | 15       | 26       | 1.59      | 364      | 0.113      | 0.49    | 3.03       | 0.011     | 0.27      | 0.049   | 0.01     | 12.3     | 0.2      | 0.0249    | 9        |
| 11DS0205  | 0.3      | 0.049    | 96      | 0.47       | 0.063      | 13       | 54       | 1.71      | 489      | 0.136      | 0.49    | 2.77       | 0.013     | 0.38      | 0.049   | 0.0049   | 11.9     | 0.2      | 0.0249    | 9        |
| 11DS0204  | 0.4      | 0.1      | 98      | 0.35       | 0.042      | 16       | 38       | 0.92      | 417      | 0.1        | 2       | 2.32       | 0.011     | 0.22      | 0.1     | 0.03     | 13.3     | 0.1      | 0.0249    | 7        |
| 11DS0203  | 0.4      | 0.1      | 65      | 0.18       | 0.055      | 10       | 39       | 0.51      | 161      | 0.069      | 2       | 2.61       | 0.013     | 0.1       | 0.1     | 0.03     | 3.8      | 0.049    | 0.0249    | 6        |
| 11DS0202  | 0.3      | 0.1      | 52      | 0.23       | 0.046      | 17       | 29       | 0.41      | 294      | 0.045      | 2       | 1.68       | 0.01      | 0.08      | 0.1     | 0.02     | 5.3      | 0.049    | 0.0249    | 5        |
| 11DS0200  | 0.3      | 0.1      | 51      | 0.17       | 0.043      | 12       | 28       | 0.42      | 171      | 0.039      | 1       | 2.04       | 0.006     | 0.06      | 0.049   | 0.01     | 4.9      | 0.049    | 0.0249    | 6        |
| 11DS0199  | 0.3      | 0.1      | 60      | 0.13       | 0.029      | 12       | 33       | 0.45      | 217      | 0.05       | 0.49    | 2.3        | 0.008     | 0.07      | 0.1     | 0.01     | 4        | 0.049    | 0.0249    | 6        |
| 11DS0198  | 0.3      | 0.049    | 35      | 0.21       | 0.066      | 20       | 18       | 0.19      | 275      | 0.017      | 0.49    | 0.9        | 0.006     | 0.09      | 0.049   | 0.0049   | 4.2      | 0.049    | 0.0249    | 3        |
| 11DS0197  | 0.2      | 0.1      | 30      | 0.4        | 0.085      | 17       | 16       | 0.23      | 498      | 0.01       | 2       | 1.14       | 0.008     | 0.08      | 0.1     | 0.05     | 2.9      | 0.1      | 0.0249    | 3        |
| 11DS0196  | 0.3      | 0.1      | 77      | 0.55       | 0.096      | 12       | 40       | 1.05      | 455      | 0.122      | 1       | 1.96       | 0.011     | 0.11      | 0.2     | 0.03     | 4.7      | 0.1      | 0.0249    | 6        |
| 11DS0195  | 0.3      | 0.049    | 76      | 0.54       | 0.094      | 11       | 30       | 0.94      | 437      | 0.129      | 1       | 1.9        | 0.011     | 0.09      | 0.2     | 0.04     | 4.4      | 0.2      | 0.0249    | 7        |
| 11DS0194  | 0.2      | 0.1      | 73      | 0.46       | 0.094      | 10       | 31       | 0.77      | 314      | 0.089      | 0.49    | 1.71       | 0.008     | 0.07      | 0.1     | 0.03     | 3.2      | 0.2      | 0.0249    | 7        |
| 11DS0193  | 0.2      | 0.049    | 87      | 0.45       | 0.098      | 7        | 25       | 1         | 216      | 0.187      | 1       | 1.75       | 0.01      | 0.16      | 0.2     | 0.01     | 3.1      | 0.1      | 0.0249    | 7        |
| 11DS0192  | 0.2      | 0.049    | 93      | 0.63       | 0.11       | 16       | 33       | 2.59      | 584      | 0.176      | 0.49    | 2.77       | 0.009     | 0.37      | 0.049   | 0.01     | 21       | 0.2      | 0.0249    | 10       |
| 11DS0191  | 0.1      | 0.049    | 134     | 0.64       | 0.101      | 9        | 106      | 2.39      | 1328     | 0.233      | 0.49    | 3.37       | 0.011     | 0.93      | 0.1     | 0.0049   | 8.7      | 0.5      | 0.0249    | 9        |
| 11DS0190  | 0.2      | 0.1      | 75      | 0.2        | 0.053      | 9        | 37       | 0.81      | 216      | 0.16       | 0.49    | 1.86       | 0.012     | 0.12      | 0.1     | 0.02     | 3.1      | 0.1      | 0.0249    | 8        |
| 11DS0189  | 0.2      | 0.2      | 87      | 0.2        | 0.057      | 8        | 42       | 0.7       | 283      | 0.139      | 0.49    | 2.18       | 0.01      | 0.14      | 0.1     | 0.02     | 4.1      | 0.1      | 0.0249    | 9        |
| 11DS0188  | 0.2      | 0.049    | 69      | 0.61       | 0.115      | 14       | 39       | 1.21      | 569      | 0.171      | 1       | 2.13       | 0.01      | 0.37      | 0.1     | 0.03     | 5.8      | 0.2      | 0.0249    | 7        |
| 11DS0187  | 0.2      | 0.049    | 74      | 0.48       | 0.085      | 14       | 37       | 1.38      | 493      | 0.215      | 0.49    | 2.38       | 0.011     | 0.49      | 0.1     | 0.0049   | 6.4      | 0.3      | 0.0249    | 9        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0186  | 0.2      | 0.049    | 41      | 0.23       | 0.035      | 5        | 14       | 0.72      | 103      | 0.151      | 0.49    | 1.71       | 0.009     | 0.16      | 0.049   | 0.0049   | 2.2      | 0.1      | 0.0249    | 6        |
| 11DS0185  | 0.2      | 0.049    | 40      | 0.25       | 0.049      | 5        | 18       | 0.61      | 130      | 0.128      | 0.49    | 1.54       | 0.009     | 0.21      | 0.049   | 0.0049   | 1.7      | 0.1      | 0.0249    | 6        |
| 11DS0184  | 0.2      | 0.049    | 39      | 0.47       | 0.053      | 4        | 14       | 0.78      | 178      | 0.089      | 0.49    | 1.65       | 0.008     | 0.2       | 0.049   | 0.0049   | 2.1      | 0.1      | 0.0249    | 6        |
| 11DS0183  | 0.1      | 0.049    | 61      | 0.48       | 0.067      | 7        | 23       | 1.13      | 270      | 0.074      | 0.49    | 1.93       | 0.009     | 0.08      | 0.049   | 0.0049   | 3.4      | 0.049    | 0.0249    | 7        |
| 11DS0182  | 0.2      | 0.1      | 57      | 0.5        | 0.074      | 12       | 19       | 0.95      | 299      | 0.08       | 0.49    | 1.85       | 0.011     | 0.18      | 0.049   | 0.01     | 4.5      | 0.049    | 0.0249    | 7        |
| 11DS0180  | 0.2      | 0.1      | 40      | 0.46       | 0.177      | 29       | 11       | 0.49      | 478      | 0.064      | 0.49    | 1.46       | 0.008     | 0.36      | 0.049   | 0.01     | 12.5     | 0.2      | 0.0249    | 5        |
| 11DS0179  | 0.1      | 0.049    | 112     | 0.6        | 0.128      | 6        | 132      | 2.04      | 355      | 0.211      | 1       | 2.93       | 0.02      | 0.32      | 0.049   | 0.0049   | 5.7      | 0.2      | 0.0249    | 10       |
| 11DS0178  | 0.2      | 0.049    | 48      | 0.28       | 0.029      | 10       | 24       | 0.97      | 131      | 0.069      | 0.49    | 1.71       | 0.012     | 0.1       | 0.049   | 0.01     | 2.5      | 0.049    | 0.0249    | 7        |
| 11DS0177  | 0.2      | 0.049    | 103     | 0.72       | 0.056      | 4        | 25       | 1.53      | 127      | 0.298      | 0.49    | 3.01       | 0.009     | 0.07      | 0.049   | 0.0049   | 2.9      | 0.049    | 0.0249    | 8        |
| 11DS0176  | 0.049    | 0.049    | 99      | 0.39       | 0.062      | 4        | 9        | 1.65      | 195      | 0.258      | 0.49    | 2.81       | 0.01      | 0.83      | 0.1     | 0.0049   | 2.1      | 0.6      | 0.0249    | 6        |
| 11DS0175  | 0.2      | 0.1      | 74      | 0.31       | 0.061      | 19       | 11       | 1.29      | 324      | 0.011      | 0.49    | 2.46       | 0.007     | 0.07      | 0.049   | 0.0049   | 7.5      | 0.049    | 0.0249    | 10       |
| 11DS0174  | 0.8      | 0.1      | 34      | 0.21       | 0.019      | 25       | 17       | 0.29      | 548      | 0.014      | 0.49    | 1.07       | 0.006     | 0.09      | 0.049   | 0.03     | 6.5      | 0.049    | 0.0249    | 3        |
| 11DS0173  | 0.5      | 0.1      | 43      | 0.22       | 0.029      | 14       | 25       | 0.52      | 384      | 0.035      | 0.49    | 1.28       | 0.012     | 0.1       | 0.049   | 0.03     | 6        | 0.049    | 0.0249    | 4        |
| 11DS0172  | 0.2      | 0.049    | 162     | 0.48       | 0.068      | 7        | 68       | 2.48      | 161      | 0.304      | 0.49    | 3.39       | 0.011     | 0.15      | 0.049   | 0.0049   | 8.9      | 0.049    | 0.0249    | 12       |
| 11DS0171  | 0.1      | 0.1      | 96      | 0.37       | 0.071      | 6        | 85       | 2.23      | 376      | 0.137      | 0.49    | 3.05       | 0.009     | 0.41      | 0.049   | 0.0049   | 4.4      | 0.2      | 0.0249    | 8        |
| 11DS0170  | 0.3      | 0.049    | 68      | 0.13       | 0.019      | 28       | 43       | 1.33      | 344      | 0.133      | 0.49    | 2.38       | 0.007     | 0.23      | 0.049   | 0.01     | 7.7      | 0.2      | 0.0249    | 7        |
| 11DS0169  | 0.2      | 0.3      | 75      | 0.61       | 0.145      | 48       | 117      | 2.12      | 727      | 0.209      | 0.49    | 2.23       | 0.018     | 0.32      | 0.049   | 0.0049   | 7.4      | 0.3      | 0.0249    | 9        |
| 11DS0168  | 0.4      | 0.1      | 64      | 0.12       | 0.023      | 9        | 28       | 0.91      | 234      | 0.081      | 2       | 2.3        | 0.007     | 0.09      | 0.1     | 0.03     | 5.2      | 0.049    | 0.0249    | 7        |
| 11DS0167  | 0.3      | 0.2      | 80      | 0.13       | 0.023      | 7        | 21       | 0.85      | 199      | 0.115      | 0.49    | 1.97       | 0.007     | 0.15      | 0.1     | 0.0049   | 3.9      | 0.1      | 0.0249    | 8        |
| 11DS0166  | 0.5      | 0.2      | 62      | 0.14       | 0.029      | 10       | 36       | 0.55      | 208      | 0.064      | 1       | 2.28       | 0.009     | 0.06      | 0.1     | 0.03     | 3.9      | 0.049    | 0.0249    | 5        |
| 11DS0165  | 0.2      | 0.1      | 58      | 0.58       | 0.095      | 11       | 25       | 1.14      | 390      | 0.15       | 1       | 1.99       | 0.01      | 0.36      | 0.2     | 0.02     | 5.3      | 0.2      | 0.0249    | 7        |
| 11DS0164  | 0.3      | 0.1      | 73      | 0.49       | 0.081      | 10       | 30       | 1         | 346      | 0.145      | 1       | 2.11       | 0.012     | 0.15      | 0.1     | 0.03     | 3.7      | 0.1      | 0.0249    | 8        |
| 11DS0163  | 0.3      | 0.049    | 91      | 0.53       | 0.115      | 8        | 25       | 1.31      | 343      | 0.201      | 0.49    | 2.22       | 0.016     | 0.4       | 0.1     | 0.02     | 4.2      | 0.2      | 0.0249    | 8        |
| 11DS0162  | 0.3      | 0.1      | 76      | 0.4        | 0.037      | 5        | 20       | 0.53      | 407      | 0.057      | 1       | 1.7        | 0.012     | 0.14      | 0.049   | 0.02     | 3.2      | 0.049    | 0.0249    | 6        |
| 11DS0160  | 0.2      | 0.1      | 41      | 0.08       | 0.02       | 15       | 13       | 0.14      | 185      | 0.016      | 0.49    | 0.68       | 0.005     | 0.07      | 0.049   | 0.05     | 2.8      | 0.049    | 0.0249    | 2        |
| 11DS0159  | 0.2      | 0.1      | 75      | 0.62       | 0.161      | 7        | 18       | 1.51      | 151      | 0.115      | 0.49    | 2.7        | 0.032     | 0.07      | 0.049   | 0.0049   | 5.8      | 0.049    | 0.0249    | 9        |
| 11DS0158  | 0.1      | 0.049    | 22      | 0.1        | 0.019      | 6        | 10       | 0.36      | 156      | 0.017      | 0.49    | 1.24       | 0.009     | 0.11      | 0.049   | 0.0049   | 1.4      | 0.049    | 0.0249    | 4        |
| 11DS0157  | 0.2      | 0.2      | 50      | 0.33       | 0.048      | 15       | 27       | 0.79      | 205      | 0.063      | 0.49    | 1.99       | 0.01      | 0.2       | 0.1     | 0.01     | 4.3      | 0.049    | 0.0249    | 6        |
| 11DS0156  | 0.049    | 0.049    | 133     | 0.49       | 0.082      | 3        | 16       | 1.2       | 239      | 0.285      | 0.49    | 2.63       | 0.024     | 0.29      | 0.049   | 0.0049   | 3.8      | 0.049    | 0.0249    | 9        |
| 11DS0155  | 0.2      | 0.049    | 97      | 0.63       | 0.182      | 16       | 17       | 1.15      | 767      | 0.051      | 0.49    | 2.32       | 0.013     | 0.19      | 0.049   | 0.03     | 6.1      | 0.049    | 0.0249    | 9        |
| 11DS0154  | 0.7      | 0.2      | 63      | 0.22       | 0.036      | 22       | 19       | 0.51      | 433      | 0.058      | 1       | 1.57       | 0.01      | 0.15      | 0.049   | 0.04     | 6        | 0.1      | 0.0249    | 5        |
| 11DS0153  | 0.4      | 0.1      | 92      | 0.22       | 0.024      | 20       | 23       | 0.69      | 399      | 0.109      | 0.49    | 2.03       | 0.016     | 0.19      | 0.049   | 0.01     | 6        | 0.1      | 0.0249    | 6        |
| 11DS0152  | 0.2      | 0.049    | 87      | 0.14       | 0.038      | 11       | 20       | 0.83      | 259      | 0.142      | 0.49    | 1.93       | 0.011     | 0.5       | 0.049   | 0.01     | 7.2      | 0.2      | 0.0249    | 7        |
| 11DS0151  | 0.2      | 0.049    | 81      | 0.22       | 0.047      | 10       | 27       | 1.13      | 350      | 0.178      | 0.49    | 2.28       | 0.01      | 0.41      | 0.1     | 0.0049   | 5.6      | 0.3      | 0.0249    | 9        |
| 11DS0150  | 0.2      | 0.1      | 80      | 0.4        | 0.089      | 19       | 88       | 1.25      | 534      | 0.118      | 0.49    | 2.18       | 0.016     | 0.07      | 0.049   | 0.0049   | 4.2      | 0.1      | 0.0249    | 7        |
| 11DS0149  | 0.3      | 0.1      | 66      | 0.13       | 0.022      | 13       | 30       | 0.66      | 259      | 0.063      | 0.49    | 2.24       | 0.008     | 0.14      | 0.049   | 0.03     | 5        | 0.2      | 0.0249    | 6        |
| 11DS0148  | 0.2      | 0.1      | 51      | 0.13       | 0.045      | 12       | 20       | 0.42      | 285      | 0.048      | 1       | 1.4        | 0.008     | 0.11      | 0.049   | 0.02     | 2.9      | 0.049    | 0.0249    | 5        |
| 11DS0147  | 0.2      | 0.3      | 42      | 0.23       | 0.024      | 15       | 13       | 1.39      | 204      | 0.098      | 0.49    | 1.87       | 0.007     | 0.2       | 0.049   | 0.01     | 6.2      | 0.1      | 0.0249    | 7        |
| 11DS0146  | 0.3      | 0.049    | 42      | 0.12       | 0.026      | 11       | 14       | 0.68      | 168      | 0.083      | 0.49    | 1.61       | 0.007     | 0.17      | 0.049   | 0.01     | 3.4      | 0.1      | 0.0249    | 5        |
| 11DS0145  | 0.4      | 0.2      | 80      | 0.16       | 0.047      | 10       | 29       | 0.44      | 196      | 0.075      | 1       | 1.87       | 0.01      | 0.08      | 0.1     | 0.02     | 2.7      | 0.049    | 0.0249    | 6        |
| 11DS0144  | 0.3      | 0.2      | 57      | 0.22       | 0.048      | 14       | 21       | 0.4       | 344      | 0.033      | 0.49    | 1.66       | 0.008     | 0.08      | 0.1     | 0.02     | 3.1      | 0.049    | 0.0249    | 5        |
| 11DS0143  | 0.4      | 0.2      | 89      | 0.16       | 0.06       | 13       | 53       | 0.66      | 256      | 0.077      | 0.49    | 2.3        | 0.01      | 0.07      | 0.1     | 0.02     | 4.2      | 0.049    | 0.0249    | 7        |
| 11DS0142  | 1.3      | 0.2      | 82      | 0.17       | 0.045      | 14       | 33       | 0.6       | 222      | 0.09       | 0.49    | 2.16       | 0.01      | 0.07      | 0.1     | 0.04     | 4.6      | 0.1      | 0.0249    | 7        |
| 11DS0140  | 0.4      | 0.2      | 78      | 0.18       | 0.042      | 13       | 36       | 0.65      | 263      | 0.095      | 0.49    | 2.07       | 0.01      | 0.11      | 0.1     | 0.01     | 4.5      | 0.1      | 0.0249    | 7        |
| 11DS0139  | 0.3      | 0.1      | 80      | 0.33       | 0.065      | 18       | 33       | 0.82      | 360      | 0.121      | 0.49    | 2.28       | 0.012     | 0.17      | 0.1     | 0.02     | 5.5      | 0.1      | 0.0249    | 7        |
| 11DS0138  | 0.5      | 0.049    | 90      | 0.45       | 0.077      | 12       | 32       | 1.04      | 361      | 0.167      | 0.49    | 2.25       | 0.01      | 0.25      | 0.1     | 0.01     | 4.1      | 0.2      | 0.0249    | 8        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0137  | 0.4      | 0.049    | 97      | 0.53       | 0.096      | 8        | 30       | 1.08      | 292      | 0.165      | 0.49    | 2.22       | 0.016     | 0.3       | 0.1     | 0.01     | 4.6      | 0.2      | 0.0249    | 7        |
| 11DS0136  | 0.2      | 0.049    | 106     | 0.58       | 0.089      | 8        | 28       | 1.04      | 362      | 0.175      | 0.49    | 2.27       | 0.018     | 0.33      | 0.1     | 0.02     | 4.5      | 0.2      | 0.0249    | 7        |
| 11DS0135  | 0.1      | 0.049    | 109     | 0.59       | 0.12       | 5        | 23       | 1.14      | 313      | 0.202      | 0.49    | 2.23       | 0.018     | 0.49      | 0.2     | 0.0049   | 4.1      | 0.2      | 0.0249    | 7        |
| 11DS0134  | 0.2      | 0.049    | 89      | 1.17       | 0.263      | 6        | 20       | 1.12      | 391      | 0.148      | 0.49    | 2.05       | 0.055     | 0.35      | 0.049   | 0.01     | 5        | 0.1      | 0.0249    | 6        |
| 11DS0133  | 0.2      | 0.049    | 40      | 0.34       | 0.118      | 23       | 19       | 0.51      | 243      | 0.075      | 0.49    | 1.71       | 0.009     | 0.32      | 0.1     | 0.01     | 3.4      | 0.1      | 0.0249    | 6        |
| 11DS0132  | 0.3      | 0.1      | 56      | 0.42       | 0.11       | 8        | 33       | 0.51      | 409      | 0.1        | 2       | 1.41       | 0.012     | 0.24      | 0.1     | 0.02     | 2.2      | 0.049    | 0.0249    | 8        |
| 11DS0131  | 0.3      | 0.2      | 56      | 0.77       | 0.087      | 23       | 32       | 0.58      | 594      | 0.047      | 2       | 1.88       | 0.014     | 0.13      | 0.049   | 0.09     | 7.7      | 0.049    | 0.0249    | 6        |
| 11DS0130  | 0.3      | 0.049    | 28      | 0.09       | 0.027      | 8        | 14       | 0.49      | 230      | 0.05       | 0.49    | 1.59       | 0.007     | 0.4       | 0.049   | 0.01     | 2.7      | 0.1      | 0.0249    | 7        |
| 11DS0129  | 0.4      | 0.1      | 53      | 0.23       | 0.018      | 6        | 18       | 0.41      | 247      | 0.08       | 1       | 1.43       | 0.01      | 0.18      | 0.049   | 0.02     | 2.2      | 0.1      | 0.0249    | 6        |
| 11DS0128  | 0.3      | 0.1      | 61      | 0.45       | 0.123      | 16       | 18       | 1.01      | 606      | 0.043      | 2       | 2.05       | 0.007     | 0.21      | 0.049   | 0.0049   | 4.1      | 0.049    | 0.0249    | 7        |
| 11DS0127  | 0.2      | 0.049    | 98      | 0.83       | 0.106      | 7        | 109      | 2.07      | 437      | 0.218      | 0.49    | 2.62       | 0.021     | 0.46      | 0.049   | 0.02     | 6.2      | 0.3      | 0.0249    | 8        |
| 11DS0126  | 0.3      | 0.049    | 82      | 0.47       | 0.096      | 18       | 35       | 1.11      | 472      | 0.054      | 0.49    | 1.87       | 0.011     | 0.18      | 0.049   | 0.04     | 15       | 0.049    | 0.0249    | 8        |
| 11DS0125  | 0.3      | 0.049    | 93      | 0.55       | 0.081      | 10       | 29       | 1.2       | 389      | 0.136      | 1       | 2.05       | 0.02      | 0.23      | 0.1     | 0.01     | 7.7      | 0.049    | 0.0249    | 9        |
| 11DS0124  | 0.4      | 0.2      | 55      | 0.24       | 0.027      | 21       | 36       | 0.6       | 415      | 0.093      | 1       | 1.65       | 0.012     | 0.16      | 0.1     | 0.02     | 5.2      | 0.1      | 0.0249    | 5        |
| 11DS0123  | 0.4      | 0.2      | 56      | 0.28       | 0.035      | 16       | 47       | 0.75      | 356      | 0.11       | 1       | 1.59       | 0.011     | 0.15      | 0.1     | 0.02     | 4.3      | 0.1      | 0.0249    | 6        |
| 11DS0122  | 0.3      | 0.2      | 58      | 0.21       | 0.033      | 13       | 26       | 0.58      | 371      | 0.111      | 2       | 1.55       | 0.008     | 0.34      | 0.1     | 0.01     | 4.6      | 0.2      | 0.0249    | 6        |
| 11DS0120  | 0.2      | 0.1      | 67      | 0.2        | 0.035      | 10       | 25       | 0.77      | 302      | 0.156      | 1       | 1.68       | 0.009     | 0.49      | 0.1     | 0.02     | 5.5      | 0.2      | 0.0249    | 7        |
| 11DS0119  | 0.3      | 0.1      | 89      | 0.27       | 0.041      | 10       | 35       | 0.93      | 321      | 0.143      | 1       | 2.1        | 0.008     | 0.31      | 0.1     | 0.02     | 8.9      | 0.2      | 0.0249    | 7        |
| 11DS0118  | 0.3      | 0.1      | 49      | 0.21       | 0.071      | 12       | 32       | 0.63      | 381      | 0.094      | 1       | 1.6        | 0.009     | 0.22      | 0.1     | 0.01     | 5.7      | 0.1      | 0.0249    | 6        |
| 11DS0117  | 0.3      | 0.1      | 69      | 0.22       | 0.083      | 10       | 32       | 0.74      | 201      | 0.139      | 1       | 1.61       | 0.008     | 0.33      | 0.2     | 0.01     | 5.3      | 0.2      | 0.0249    | 8        |
| 11DS0116  | 0.3      | 0.1      | 61      | 0.26       | 0.04       | 20       | 42       | 0.87      | 350      | 0.112      | 2       | 1.93       | 0.008     | 0.16      | 0.049   | 0.02     | 6.1      | 0.2      | 0.0249    | 7        |
| 11DS0115  | 0.4      | 0.1      | 58      | 0.29       | 0.038      | 20       | 47       | 0.74      | 487      | 0.093      | 2       | 1.86       | 0.012     | 0.1       | 0.1     | 0.03     | 6.2      | 0.1      | 0.0249    | 6        |
| 11DS0114  | 0.3      | 0.1      | 62      | 0.22       | 0.038      | 16       | 63       | 1.01      | 353      | 0.132      | 2       | 2.15       | 0.009     | 0.12      | 0.1     | 0.02     | 4.7      | 0.1      | 0.0249    | 7        |
| 11DS0113  | 0.3      | 0.1      | 56      | 0.26       | 0.035      | 16       | 43       | 0.94      | 357      | 0.142      | 1       | 1.91       | 0.009     | 0.12      | 0.1     | 0.03     | 4.9      | 0.1      | 0.0249    | 6        |
| 11DS0112  | 0.3      | 0.1      | 78      | 0.19       | 0.043      | 10       | 31       | 1.13      | 275      | 0.18       | 1       | 2.39       | 0.01      | 0.44      | 0.1     | 0.01     | 5.7      | 0.2      | 0.0249    | 8        |
| 11DS0111  | 0.3      | 0.1      | 51      | 0.13       | 0.025      | 9        | 24       | 0.76      | 187      | 0.1        | 1       | 1.66       | 0.009     | 0.17      | 0.049   | 0.03     | 3.3      | 0.1      | 0.0249    | 6        |
| 11DS0110  | 0.3      | 0.1      | 51      | 0.12       | 0.04       | 9        | 21       | 0.69      | 182      | 0.091      | 2       | 1.55       | 0.007     | 0.15      | 0.1     | 0.01     | 3.1      | 0.1      | 0.0249    | 6        |
| 11DS0109  | 0.4      | 0.1      | 36      | 0.09       | 0.037      | 11       | 20       | 0.59      | 141      | 0.053      | 2       | 1.67       | 0.007     | 0.12      | 0.1     | 0.03     | 2.6      | 0.049    | 0.0249    | 5        |
| 11DS0108  | 0.4      | 0.2      | 62      | 0.11       | 0.031      | 9        | 23       | 0.63      | 111      | 0.11       | 1       | 1.83       | 0.007     | 0.09      | 0.1     | 0.02     | 3        | 0.2      | 0.0249    | 7        |
| 11DS0107  | 0.5      | 0.1      | 43      | 0.16       | 0.042      | 11       | 25       | 0.74      | 193      | 0.087      | 1       | 1.66       | 0.01      | 0.1       | 0.1     | 0.0049   | 3.9      | 0.1      | 0.0249    | 5        |
| 11DS0106  | 0.6      | 0.1      | 50      | 0.14       | 0.049      | 10       | 29       | 0.7       | 180      | 0.084      | 1       | 2.14       | 0.009     | 0.1       | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 5        |
| 11DS0105  | 0.2      | 0.049    | 43      | 0.11       | 0.065      | 8        | 16       | 0.88      | 130      | 0.129      | 0.49    | 1.42       | 0.008     | 0.35      | 0.049   | 0.0049   | 3.6      | 0.1      | 0.0249    | 6        |
| 11DS0104  | 0.5      | 0.2      | 60      | 0.13       | 0.033      | 11       | 29       | 0.84      | 162      | 0.112      | 2       | 2.1        | 0.01      | 0.09      | 0.1     | 0.02     | 4        | 0.1      | 0.0249    | 6        |
| 11DS0103  | 0.3      | 0.1      | 63      | 0.11       | 0.051      | 9        | 26       | 0.89      | 89       | 0.118      | 0.49    | 1.89       | 0.007     | 0.15      | 0.1     | 0.0049   | 4        | 0.1      | 0.0249    | 8        |
| 11DS0102  | 0.3      | 0.1      | 56      | 0.23       | 0.052      | 11       | 27       | 0.96      | 222      | 0.117      | 0.49    | 2.01       | 0.009     | 0.28      | 0.049   | 0.01     | 4.9      | 0.1      | 0.0249    | 7        |
| 11DS0100  | 0.2      | 0.049    | 51      | 0.2        | 0.044      | 10       | 26       | 0.9       | 191      | 0.123      | 0.49    | 1.75       | 0.009     | 0.24      | 0.1     | 0.02     | 4.5      | 0.1      | 0.0249    | 6        |
| 11DS0099  | 0.3      | 0.1      | 68      | 0.11       | 0.038      | 9        | 28       | 0.63      | 122      | 0.108      | 1       | 1.8        | 0.007     | 0.14      | 0.049   | 0.03     | 3.4      | 0.1      | 0.0249    | 8        |
| 11DS0098  | 0.3      | 0.1      | 102     | 0.13       | 0.041      | 8        | 34       | 1.58      | 226      | 0.196      | 1       | 2.95       | 0.008     | 0.59      | 0.049   | 0.02     | 9.3      | 0.4      | 0.0249    | 11       |
| 11DS0097  | 0.3      | 0.049    | 72      | 0.24       | 0.048      | 16       | 28       | 1.14      | 328      | 0.174      | 0.49    | 2.34       | 0.01      | 0.65      | 0.049   | 0.02     | 6.9      | 0.3      | 0.0249    | 7        |
| 11DS0096  | 0.3      | 0.2      | 72      | 0.12       | 0.044      | 9        | 28       | 0.68      | 138      | 0.133      | 0.49    | 1.96       | 0.007     | 0.2       | 0.1     | 0.03     | 3.8      | 0.1      | 0.0249    | 9        |
| 11DS0095  | 0.3      | 0.1      | 64      | 0.18       | 0.048      | 11       | 35       | 0.77      | 195      | 0.12       | 0.49    | 2.18       | 0.008     | 0.25      | 0.1     | 0.03     | 3.9      | 0.2      | 0.0249    | 7        |
| 11DS0094  | 0.3      | 0.1      | 67      | 0.15       | 0.045      | 11       | 34       | 0.75      | 200      | 0.132      | 0.49    | 2.01       | 0.008     | 0.25      | 0.1     | 0.02     | 4.3      | 0.2      | 0.0249    | 8        |
| 11DS0093  | 0.4      | 0.1      | 65      | 0.19       | 0.029      | 12       | 33       | 0.97      | 271      | 0.145      | 0.49    | 2.16       | 0.008     | 0.39      | 0.1     | 0.02     | 6.6      | 0.3      | 0.0249    | 7        |
| 11DS0092  | 0.5      | 0.2      | 76      | 0.16       | 0.052      | 11       | 35       | 0.61      | 174      | 0.088      | 0.49    | 1.97       | 0.007     | 0.12      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 8        |
| 11DS0091  | 0.2      | 0.1      | 68      | 0.11       | 0.022      | 10       | 33       | 0.94      | 171      | 0.126      | 0.49    | 2.31       | 0.008     | 0.26      | 0.1     | 0.01     | 5.1      | 0.2      | 0.0249    | 6        |
| 11DS0090  | 0.1      | 0.1      | 153     | 0.32       | 0.081      | 25       | 77       | 2.97      | 434      | 0.224      | 0.49    | 3.58       | 0.014     | 1.12      | 0.049   | 0.01     | 12.5     | 0.6      | 0.0249    | 11       |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0089  | 0.4      | 0.1      | 61      | 0.13       | 0.027      | 11       | 38       | 0.7       | 140      | 0.094      | 0.49    | 2.56       | 0.011     | 0.09      | 0.1     | 0.01     | 4.7      | 0.049    | 0.0249    | 6        |
| 11DS0088  | 0.4      | 0.1      | 60      | 0.22       | 0.033      | 12       | 33       | 0.83      | 276      | 0.107      | 2       | 2.11       | 0.009     | 0.15      | 0.1     | 0.02     | 4.9      | 0.2      | 0.0249    | 6        |
| 11DS0087  | 0.4      | 0.1      | 81      | 0.15       | 0.026      | 8        | 41       | 0.96      | 232      | 0.151      | 0.49    | 2.64       | 0.009     | 0.25      | 0.1     | 0.03     | 5.4      | 0.2      | 0.0249    | 8        |
| 11DS0086  | 0.3      | 0.1      | 79      | 0.17       | 0.029      | 11       | 59       | 1.17      | 273      | 0.169      | 0.49    | 2.52       | 0.008     | 0.24      | 0.049   | 0.01     | 5.1      | 0.2      | 0.0249    | 8        |
| 11DS0085  | 0.5      | 0.3      | 128     | 1.24       | 0.515      | 77       | 275      | 1.61      | 1629     | 0.072      | 0.49    | 2.48       | 0.008     | 0.06      | 0.049   | 0.02     | 16       | 0.049    | 0.0249    | 8        |
| 11DS0084  | 0.2      | 0.2      | 124     | 1          | 0.306      | 51       | 237      | 3.18      | 970      | 0.194      | 0.49    | 3.2        | 0.012     | 0.18      | 0.049   | 0.02     | 8.2      | 0.3      | 0.0249    | 11       |
| 11DS0083  | 0.3      | 0.3      | 61      | 0.21       | 0.048      | 15       | 27       | 0.89      | 304      | 0.133      | 0.49    | 2.2        | 0.005     | 0.35      | 0.1     | 0.01     | 5.3      | 0.3      | 0.0249    | 8        |
| 11DS0082  | 0.4      | 0.2      | 80      | 0.16       | 0.029      | 20       | 45       | 0.99      | 253      | 0.159      | 0.49    | 2.19       | 0.009     | 0.25      | 0.1     | 0.01     | 6.7      | 0.2      | 0.0249    | 7        |
| 11DS0080  | 0.3      | 0.1      | 64      | 0.1        | 0.042      | 18       | 21       | 0.8       | 190      | 0.158      | 1       | 1.91       | 0.006     | 0.56      | 0.049   | 0.0049   | 8.2      | 0.3      | 0.0249    | 8        |
| 11DS0079  | 0.4      | 0.2      | 62      | 0.3        | 0.047      | 11       | 29       | 0.65      | 261      | 0.129      | 0.49    | 1.72       | 0.007     | 0.32      | 0.1     | 0.01     | 5.1      | 0.2      | 0.0249    | 6        |
| 11DS0078  | 0.2      | 0.049    | 65      | 0.15       | 0.052      | 15       | 21       | 0.92      | 197      | 0.186      | 0.49    | 1.87       | 0.006     | 0.73      | 0.049   | 0.0049   | 8.8      | 0.3      | 0.0249    | 9        |
| 11DS0077  | 0.3      | 0.2      | 65      | 0.18       | 0.054      | 11       | 24       | 0.8       | 362      | 0.134      | 0.49    | 1.72       | 0.027     | 0.56      | 0.049   | 0.01     | 5        | 0.3      | 0.46      | 6        |
| 11DS0076  | 0.3      | 0.049    | 104     | 0.25       | 0.068      | 9        | 36       | 1.05      | 356      | 0.171      | 0.49    | 2.04       | 0.015     | 0.49      | 0.049   | 0.0049   | 7.1      | 0.2      | 0.07      | 8        |
| 11DS0075  | 0.3      | 0.1      | 93      | 0.42       | 0.087      | 16       | 86       | 1.54      | 524      | 0.195      | 0.49    | 2.23       | 0.013     | 0.49      | 0.049   | 0.0049   | 7.3      | 0.2      | 0.0249    | 8        |
| 11DS0074  | 0.2      | 0.1      | 111     | 0.33       | 0.101      | 6        | 43       | 1.39      | 390      | 0.163      | 0.49    | 2.02       | 0.014     | 0.63      | 0.1     | 0.0049   | 3.6      | 0.2      | 0.0249    | 7        |
| 11DS0073  | 0.5      | 0.2      | 89      | 0.14       | 0.073      | 8        | 32       | 0.52      | 165      | 0.086      | 0.49    | 1.9        | 0.007     | 0.1       | 0.2     | 0.03     | 2.4      | 0.049    | 0.0249    | 8        |
| 11DS0072  | 0.4      | 0.2      | 67      | 0.19       | 0.038      | 11       | 39       | 0.73      | 298      | 0.1        | 2       | 2.16       | 0.009     | 0.12      | 0.1     | 0.03     | 4.4      | 0.1      | 0.0249    | 6        |
| 11DS0071  | 0.3      | 0.2      | 90      | 0.15       | 0.065      | 14       | 91       | 1.26      | 210      | 0.133      | 1       | 2.57       | 0.008     | 0.17      | 0.1     | 0.03     | 6.6      | 0.2      | 0.0249    | 7        |
| 11DS0070  | 0.4      | 0.2      | 72      | 0.23       | 0.057      | 10       | 37       | 0.62      | 363      | 0.091      | 1       | 1.73       | 0.009     | 0.11      | 0.2     | 0.02     | 3.4      | 0.1      | 0.0249    | 7        |
| 11DS0069  | 0.2      | 0.3      | 68      | 0.19       | 0.041      | 11       | 47       | 0.92      | 288      | 0.142      | 1       | 2.03       | 0.008     | 0.37      | 0.1     | 0.02     | 5.3      | 0.2      | 0.0249    | 7        |
| 11DS0068  | 0.2      | 0.1      | 116     | 0.34       | 0.082      | 5        | 36       | 1.55      | 392      | 0.237      | 0.49    | 2.4        | 0.014     | 0.85      | 0.2     | 0.0049   | 5        | 0.3      | 0.0249    | 8        |
| 11DS0067  | 0.1      | 0.049    | 101     | 0.45       | 0.128      | 7        | 33       | 1.66      | 457      | 0.284      | 0.49    | 2.44       | 0.017     | 1         | 0.049   | 0.0049   | 6.5      | 0.3      | 0.0249    | 9        |
| 11DS0066  | 0.3      | 0.1      | 80      | 0.33       | 0.054      | 8        | 53       | 1.18      | 288      | 0.165      | 1       | 2.13       | 0.015     | 0.27      | 0.049   | 0.0049   | 5.2      | 0.1      | 0.0249    | 7        |
| 11DS0065  | 0.3      | 0.049    | 110     | 0.53       | 0.103      | 16       | 45       | 1.22      | 421      | 0.096      | 0.49    | 2.16       | 0.016     | 0.23      | 0.049   | 0.01     | 14.5     | 0.049    | 0.0249    | 8        |
| 11DS0064  | 0.3      | 0.049    | 93      | 0.48       | 0.059      | 8        | 63       | 1.2       | 343      | 0.101      | 2       | 2.18       | 0.019     | 0.12      | 0.049   | 0.01     | 8.3      | 0.049    | 0.0249    | 7        |
| 11DS0063  | 0.4      | 0.1      | 83      | 0.76       | 0.134      | 20       | 83       | 1.42      | 532      | 0.115      | 1       | 1.91       | 0.02      | 0.09      | 0.1     | 0.04     | 8.7      | 0.049    | 0.0249    | 6        |
| 11DS0062  | 0.5      | 0.2      | 75      | 0.37       | 0.024      | 11       | 47       | 0.64      | 451      | 0.075      | 0.49    | 1.87       | 0.014     | 0.09      | 0.049   | 0.02     | 5.8      | 0.049    | 0.0249    | 6        |
| 11DS0060  | 0.4      | 0.1      | 57      | 0.33       | 0.058      | 12       | 27       | 0.55      | 391      | 0.041      | 0.49    | 1.52       | 0.011     | 0.14      | 0.049   | 0.02     | 11.8     | 0.049    | 0.0249    | 6        |
| 11DS0059  | 0.3      | 0.1      | 93      | 0.42       | 0.07       | 23       | 43       | 1         | 549      | 0.077      | 2       | 1.9        | 0.012     | 0.23      | 0.049   | 0.05     | 15.8     | 0.049    | 0.0249    | 7        |
| 11DS0058  | 0.2      | 0.2      | 63      | 0.36       | 0.067      | 12       | 30       | 1.02      | 401      | 0.047      | 0.49    | 2.05       | 0.008     | 0.2       | 0.049   | 0.0049   | 4.5      | 0.049    | 0.0249    | 6        |
| 11DS0057  | 0.2      | 0.2      | 46      | 0.35       | 0.076      | 19       | 15       | 0.79      | 558      | 0.015      | 1       | 1.9        | 0.006     | 0.15      | 0.049   | 0.01     | 5        | 0.1      | 0.0249    | 7        |
| 11DS0056  | 0.2      | 0.049    | 104     | 0.66       | 0.135      | 12       | 52       | 1.39      | 681      | 0.076      | 1       | 2.46       | 0.021     | 0.21      | 0.049   | 0.0049   | 11.6     | 0.049    | 0.0249    | 9        |
| 11DS0055  | 0.2      | 0.049    | 101     | 0.52       | 0.055      | 14       | 34       | 1.36      | 529      | 0.192      | 4       | 2.43       | 0.02      | 0.45      | 0.049   | 0.0049   | 5.3      | 0.1      | 0.0249    | 8        |
| 11DS0054  | 0.2      | 0.049    | 35      | 1          | 0.068      | 19       | 18       | 0.59      | 643      | 0.052      | 2       | 1.29       | 0.011     | 0.22      | 0.049   | 0.02     | 3.8      | 0.049    | 0.0249    | 5        |
| 11DS0053  | 0.1      | 0.049    | 31      | 0.24       | 0.055      | 13       | 17       | 0.8       | 292      | 0.108      | 0.49    | 1.64       | 0.006     | 0.49      | 0.049   | 0.0049   | 3.2      | 0.1      | 0.0249    | 8        |
| 11DS0052  | 0.3      | 0.049    | 58      | 0.44       | 0.086      | 11       | 22       | 0.98      | 315      | 0.12       | 2       | 1.9        | 0.011     | 0.26      | 0.049   | 0.0049   | 2.8      | 0.1      | 0.0249    | 6        |
| 11DS0051  | 0.2      | 0.049    | 111     | 0.17       | 0.037      | 6        | 60       | 2         | 222      | 0.27       | 0.49    | 3.22       | 0.022     | 0.58      | 0.049   | 0.0049   | 6.1      | 0.2      | 0.0249    | 11       |
| 11DS0050  | 0.3      | 0.1      | 81      | 0.22       | 0.038      | 10       | 31       | 0.79      | 203      | 0.151      | 2       | 2.22       | 0.009     | 0.2       | 0.2     | 0.0049   | 4.6      | 0.1      | 0.0249    | 8        |
| 11DS0049  | 0.3      | 0.1      | 76      | 0.2        | 0.041      | 11       | 30       | 0.8       | 205      | 0.152      | 1       | 1.97       | 0.008     | 0.19      | 0.1     | 0.01     | 4.2      | 0.1      | 0.0249    | 7        |
| 11DS0048  | 0.3      | 0.2      | 74      | 0.21       | 0.042      | 14       | 32       | 0.72      | 204      | 0.135      | 3       | 2          | 0.009     | 0.18      | 0.1     | 0.0049   | 4        | 0.1      | 0.0249    | 7        |
| 11DS0047  | 0.3      | 0.2      | 96      | 0.17       | 0.048      | 8        | 27       | 0.89      | 158      | 0.175      | 2       | 2.07       | 0.008     | 0.27      | 0.1     | 0.0049   | 4.6      | 0.2      | 0.0249    | 9        |
| 11DS0046  | 0.3      | 0.2      | 83      | 0.17       | 0.044      | 12       | 31       | 0.86      | 209      | 0.143      | 0.49    | 2.06       | 0.009     | 0.24      | 0.1     | 0.0049   | 4.7      | 0.2      | 0.0249    | 7        |
| 11DS0045  | 0.3      | 0.1      | 77      | 0.21       | 0.038      | 13       | 35       | 1         | 210      | 0.151      | 2       | 2.15       | 0.009     | 0.19      | 0.1     | 0.0049   | 4.9      | 0.2      | 0.0249    | 7        |
| 11DS0044  | 0.4      | 0.2      | 74      | 0.16       | 0.025      | 9        | 34       | 0.59      | 175      | 0.097      | 2       | 2.1        | 0.007     | 0.08      | 0.049   | 0.01     | 3.8      | 0.1      | 0.0249    | 7        |
| 11DS0042  | 0.5      | 0.2      | 78      | 0.11       | 0.044      | 9        | 37       | 0.49      | 151      | 0.081      | 3       | 2.12       | 0.008     | 0.06      | 0.1     | 0.0049   | 3        | 0.1      | 0.0249    | 7        |
| 11DS0041  | 0.3      | 0.2      | 89      | 0.12       | 0.07       | 7        | 30       | 0.68      | 117      | 0.156      | 4       | 1.79       | 0.012     | 0.15      | 0.1     | 0.0049   | 3.9      | 0.1      | 0.0249    | 9        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11DS0040  | 0.5      | 0.2      | 71      | 0.15       | 0.019      | 11       | 38       | 0.73      | 191      | 0.11       | 3       | 2.17       | 0.01      | 0.08      | 0.049   | 0.01     | 4.1      | 0.2      | 0.0249    | 6        |
| 11DS0039  | 0.4      | 0.2      | 80      | 0.25       | 0.035      | 22       | 59       | 0.97      | 390      | 0.137      | 3       | 2.42       | 0.009     | 0.12      | 0.049   | 0.03     | 7.5      | 0.2      | 0.0249    | 7        |
| 11DS0038  | 0.4      | 0.2      | 80      | 0.15       | 0.03       | 11       | 35       | 0.66      | 211      | 0.109      | 2       | 2.4        | 0.008     | 0.11      | 0.1     | 0.0049   | 5        | 0.1      | 0.0249    | 7        |
| 11DS0037  | 0.3      | 0.2      | 78      | 0.16       | 0.097      | 11       | 44       | 0.45      | 169      | 0.073      | 3       | 1.32       | 0.012     | 0.09      | 0.049   | 0.01     | 2.9      | 0.049    | 0.0249    | 7        |
| 11DS0036  | 0.3      | 0.2      | 82      | 0.31       | 0.145      | 16       | 81       | 0.74      | 340      | 0.06       | 3       | 2.21       | 0.008     | 0.08      | 0.049   | 0.02     | 5.1      | 0.1      | 0.0249    | 6        |
| 11DS0035  | 0.3      | 0.2      | 84      | 0.9        | 0.284      | 43       | 138      | 1.11      | 1270     | 0.048      | 4       | 1.77       | 0.014     | 0.1       | 0.049   | 0.01     | 6.9      | 0.1      | 0.0249    | 6        |
| 11DS0034  | 0.3      | 0.1      | 65      | 0.24       | 0.031      | 5        | 58       | 0.93      | 122      | 0.106      | 4       | 1.87       | 0.014     | 0.06      | 0.049   | 0.0049   | 2.1      | 0.049    | 0.0249    | 5        |
| 11DS0033  | 0.3      | 0.049    | 112     | 0.35       | 0.115      | 7        | 53       | 1.72      | 196      | 0.127      | 0.49    | 2.37       | 0.017     | 0.34      | 0.049   | 0.03     | 6        | 0.1      | 0.0249    | 7        |
| 11DS0032  | 0.1      | 0.049    | 140     | 0.31       | 0.096      | 6        | 73       | 1.56      | 240      | 0.182      | 0.49    | 2.15       | 0.018     | 0.62      | 0.049   | 0.0049   | 4.9      | 0.1      | 0.0249    | 7        |
| 11DS0031  | 0.4      | 0.1      | 105     | 0.2        | 0.055      | 6        | 33       | 1.34      | 325      | 0.187      | 1       | 2.48       | 0.01      | 0.56      | 0.049   | 0.01     | 8.4      | 0.3      | 0.0249    | 9        |
| 11DS0030  | 0.2      | 0.049    | 102     | 0.5        | 0.143      | 11       | 34       | 1.45      | 375      | 0.261      | 1       | 2.28       | 0.024     | 0.37      | 0.049   | 0.0049   | 3.8      | 0.2      | 0.0249    | 10       |
| 11DS0029  | 0.2      | 0.049    | 51      | 0.23       | 0.052      | 27       | 18       | 0.74      | 284      | 0.168      | 0.49    | 1.82       | 0.009     | 0.44      | 0.049   | 0.0049   | 7.7      | 0.3      | 0.0249    | 8        |
| 11DS0028  | 0.4      | 0.049    | 60      | 0.21       | 0.043      | 12       | 22       | 0.76      | 208      | 0.106      | 2       | 2.14       | 0.013     | 0.23      | 0.049   | 0.0049   | 7.6      | 0.049    | 0.0249    | 8        |
| 11DS0027  | 0.4      | 0.1      | 90      | 0.23       | 0.038      | 9        | 35       | 0.94      | 335      | 0.121      | 2       | 2.27       | 0.014     | 0.27      | 0.1     | 0.01     | 4.9      | 0.1      | 0.0249    | 8        |
| 11DS0026  | 0.3      | 0.049    | 53      | 0.11       | 0.019      | 18       | 16       | 0.69      | 248      | 0.174      | 1       | 1.72       | 0.007     | 0.41      | 0.049   | 0.0049   | 5.5      | 0.2      | 0.0249    | 6        |
| 11DS0025  | 0.4      | 0.1      | 59      | 0.2        | 0.024      | 18       | 37       | 0.64      | 330      | 0.074      | 2       | 1.78       | 0.01      | 0.17      | 0.049   | 0.0049   | 4.5      | 0.049    | 0.0249    | 6        |
| 11DS0024  | 0.5      | 0.4      | 64      | 0.91       | 0.269      | 39       | 13       | 1.21      | 789      | 0.135      | 0.49    | 2.27       | 0.008     | 0.49      | 0.1     | 0.02     | 5.7      | 0.3      | 0.0249    | 7        |
| 11DS0023  | 0.3      | 0.049    | 84      | 0.44       | 0.071      | 12       | 22       | 1.67      | 461      | 0.241      | 2       | 2.9        | 0.011     | 0.63      | 0.049   | 0.0049   | 3.8      | 0.2      | 0.0249    | 10       |
| 11DS0021  | 0.4      | 0.1      | 95      | 0.12       | 0.037      | 10       | 38       | 1.01      | 242      | 0.187      | 0.49    | 2.69       | 0.009     | 0.37      | 0.2     | 0.02     | 7.9      | 0.2      | 0.0249    | 8        |
| 11DS0020  | 0.4      | 0.1      | 86      | 0.17       | 0.048      | 12       | 35       | 1.04      | 253      | 0.138      | 1       | 2.6        | 0.009     | 0.26      | 0.1     | 0.01     | 7.6      | 0.2      | 0.0249    | 8        |
| 11DS0019  | 0.4      | 0.2      | 77      | 0.25       | 0.046      | 17       | 34       | 0.88      | 333      | 0.149      | 0.49    | 2.14       | 0.01      | 0.25      | 0.049   | 0.02     | 6.9      | 0.2      | 0.0249    | 8        |
| 11DS0018  | 0.4      | 0.2      | 110     | 0.32       | 0.091      | 13       | 95       | 1.07      | 260      | 0.135      | 3       | 2.48       | 0.012     | 0.11      | 0.049   | 0.0049   | 4        | 0.049    | 0.0249    | 9        |
| 11DS0017  | 0.3      | 0.1      | 62      | 0.31       | 0.058      | 12       | 32       | 0.65      | 242      | 0.088      | 1       | 1.84       | 0.011     | 0.09      | 0.1     | 0.01     | 4        | 0.049    | 0.0249    | 6        |
| 11DS0016  | 0.6      | 0.2      | 79      | 0.24       | 0.043      | 9        | 40       | 0.72      | 228      | 0.095      | 3       | 2.3        | 0.013     | 0.08      | 0.1     | 0.01     | 3.7      | 0.1      | 0.0249    | 7        |
| 11DS0015  | 0.4      | 0.2      | 92      | 0.15       | 0.037      | 10       | 38       | 0.89      | 188      | 0.137      | 2       | 2.66       | 0.009     | 0.11      | 0.1     | 0.02     | 4.9      | 0.2      | 0.0249    | 8        |
| 11DS0014  | 0.4      | 0.1      | 70      | 0.18       | 0.041      | 12       | 29       | 0.79      | 198      | 0.162      | 2       | 2.03       | 0.018     | 0.31      | 0.1     | 0.02     | 5.4      | 0.2      | 0.0249    | 7        |
| 11DS0013  | 0.4      | 0.2      | 74      | 0.14       | 0.048      | 10       | 34       | 0.46      | 198      | 0.06       | 2       | 2.02       | 0.009     | 0.08      | 0.1     | 0.0049   | 3        | 0.049    | 0.0249    | 7        |
| 11DS0012  | 0.4      | 0.2      | 87      | 0.11       | 0.063      | 8        | 24       | 0.39      | 122      | 0.135      | 1       | 1.14       | 0.008     | 0.17      | 0.2     | 0.0049   | 2.7      | 0.1      | 0.0249    | 8        |
| 11DS0011  | 0.5      | 0.2      | 75      | 0.24       | 0.049      | 13       | 45       | 0.84      | 201      | 0.095      | 2       | 2.02       | 0.009     | 0.1       | 0.1     | 0.0049   | 5.2      | 0.1      | 0.0249    | 7        |
| 11DS0010  | 0.2      | 0.2      | 88      | 0.83       | 0.175      | 32       | 143      | 1.86      | 921      | 0.184      | 3       | 2.23       | 0.024     | 0.07      | 0.049   | 0.03     | 6.2      | 0.1      | 0.0249    | 7        |
| 11DS0009  | 0.1      | 0.049    | 80      | 0.53       | 0.066      | 10       | 73       | 1.39      | 372      | 0.127      | 2       | 2.11       | 0.017     | 0.09      | 0.049   | 0.02     | 5.4      | 0.049    | 0.0249    | 7        |
| 11DS0008  | 0.3      | 0.1      | 88      | 0.35       | 0.087      | 13       | 28       | 1.04      | 426      | 0.191      | 0.49    | 2.02       | 0.025     | 0.39      | 0.049   | 0.01     | 7.2      | 0.2      | 0.16      | 7        |
| 11DS0007  | 0.3      | 0.2      | 96      | 0.34       | 0.07       | 14       | 31       | 1.08      | 512      | 0.154      | 3       | 2.24       | 0.013     | 0.13      | 0.1     | 0.0049   | 5.9      | 0.1      | 0.0249    | 7        |
| 11DS0006  | 0.4      | 0.1      | 84      | 0.4        | 0.061      | 13       | 43       | 1.11      | 457      | 0.171      | 3       | 2.25       | 0.014     | 0.25      | 0.2     | 0.03     | 5        | 0.2      | 0.0249    | 7        |
| 11DS0005  | 0.2      | 0.1      | 174     | 0.54       | 0.13       | 12       | 55       | 2.27      | 851      | 0.282      | 0.49    | 3.13       | 0.015     | 0.93      | 0.1     | 0.0049   | 10.5     | 0.4      | 0.07      | 10       |
| 11DS0004  | 0.4      | 0.2      | 71      | 0.2        | 0.06       | 13       | 36       | 0.6       | 201      | 0.089      | 2       | 2.26       | 0.009     | 0.1       | 0.1     | 0.01     | 4.5      | 0.1      | 0.0249    | 7        |
| 11DS0003  | 0.4      | 0.2      | 77      | 0.26       | 0.033      | 10       | 37       | 0.77      | 187      | 0.127      | 2       | 2.45       | 0.017     | 0.09      | 0.1     | 0.01     | 4.6      | 0.2      | 0.0249    | 7        |
| 11DS0002  | 0.3      | 0.2      | 59      | 0.32       | 0.054      | 13       | 26       | 0.7       | 236      | 0.117      | 2       | 1.65       | 0.011     | 0.18      | 0.2     | 0.0049   | 4.2      | 0.2      | 0.0249    | 7        |
| 11DS0001  | 0.3      | 0.3      | 66      | 0.18       | 0.054      | 14       | 24       | 1.05      | 195      | 0.173      | 1       | 2.25       | 0.008     | 0.52      | 0.1     | 0.0049   | 7        | 0.4      | 0.0249    | 8        |
| 11CB1277  | 0.3      | 0.1      | 59      | 0.2        | 0.042      | 9        | 31       | 0.56      | 228      | 0.048      | 1       | 1.77       | 0.009     | 0.05      | 0.1     | 0.03     | 3.1      | 0.049    | 0.0249    | 6        |
| 11CB1276  | 0.3      | 0.2      | 67      | 0.21       | 0.044      | 10       | 33       | 0.6       | 273      | 0.053      | 1       | 1.84       | 0.009     | 0.05      | 0.2     | 0.03     | 3.4      | 0.049    | 0.0249    | 6        |
| 11CB1275  | 0.3      | 0.2      | 66      | 0.22       | 0.046      | 11       | 33       | 0.58      | 294      | 0.047      | 0.49    | 1.73       | 0.009     | 0.05      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 7        |
| 11CB1274  | 0.3      | 0.2      | 66      | 0.23       | 0.05       | 11       | 34       | 0.61      | 280      | 0.05       | 2       | 1.79       | 0.009     | 0.05      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 6        |
| 11CB1273  | 0.3      | 0.2      | 68      | 0.25       | 0.056      | 11       | 37       | 0.66      | 290      | 0.052      | 1       | 1.97       | 0.01      | 0.06      | 0.1     | 0.02     | 4.2      | 0.049    | 0.0249    | 6        |
| 11CB1272  | 0.3      | 0.2      | 66      | 0.24       | 0.055      | 12       | 34       | 0.6       | 329      | 0.045      | 1       | 1.78       | 0.01      | 0.05      | 0.1     | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11CB1271  | 0.4      | 0.2      | 71      | 0.46       | 0.074      | 20       | 40       | 0.7       | 789      | 0.043      | 1       | 1.82       | 0.016     | 0.06      | 0.1     | 0.08     | 7.5      | 0.049    | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB1270  | 0.4      | 0.2      | 72      | 0.5        | 0.092      | 20       | 42       | 0.74      | 787      | 0.043      | 0.49    | 1.81       | 0.013     | 0.06      | 0.2     | 0.08     | 7.5      | 0.049    | 0.0249    | 6        |
| 11CB1269  | 0.4      | 0.1      | 70      | 0.46       | 0.083      | 19       | 39       | 0.73      | 805      | 0.042      | 0.49    | 1.8        | 0.012     | 0.06      | 0.2     | 0.07     | 7        | 0.049    | 0.0249    | 6        |
| 11CB1268  | 0.4      | 0.1      | 70      | 0.46       | 0.07       | 20       | 40       | 0.69      | 826      | 0.042      | 2       | 1.8        | 0.015     | 0.06      | 0.1     | 0.06     | 7.3      | 0.049    | 0.0249    | 5        |
| 11CB1267  | 0.3      | 0.2      | 68      | 0.45       | 0.06       | 20       | 39       | 0.66      | 880      | 0.042      | 1       | 1.85       | 0.015     | 0.06      | 0.2     | 0.09     | 7.7      | 0.049    | 0.0249    | 6        |
| 11CB1266  | 0.1      | 0.049    | 68      | 1.27       | 0.27       | 7        | 25       | 0.87      | 213      | 0.063      | 0.49    | 1.65       | 0.036     | 0.07      | 0.049   | 0.02     | 4.4      | 0.049    | 0.0249    | 6        |
| 11CB1265  | 0.2      | 0.049    | 65      | 1.4        | 0.312      | 6        | 23       | 0.87      | 198      | 0.058      | 0.49    | 1.62       | 0.036     | 0.07      | 0.049   | 0.02     | 4.2      | 0.049    | 0.0249    | 6        |
| 11CB1264  | 0.1      | 0.049    | 65      | 1.27       | 0.279      | 7        | 23       | 0.81      | 206      | 0.059      | 0.49    | 1.59       | 0.034     | 0.07      | 0.049   | 0.01     | 4.2      | 0.049    | 0.0249    | 6        |
| 11CB1263  | 0.049    | 0.049    | 62      | 1.42       | 0.351      | 6        | 22       | 0.83      | 168      | 0.062      | 0.49    | 1.56       | 0.039     | 0.08      | 0.049   | 0.02     | 4.3      | 0.049    | 0.0249    | 6        |
| 11CB1262  | 0.5      | 0.2      | 66      | 0.27       | 0.032      | 7        | 30       | 0.59      | 279      | 0.054      | 0.49    | 1.67       | 0.007     | 0.1       | 0.1     | 0.02     | 2.6      | 0.049    | 0.0249    | 6        |
| 11CB1260  | 0.5      | 0.1      | 68      | 0.86       | 0.09       | 19       | 33       | 0.77      | 682      | 0.064      | 1       | 1.8        | 0.013     | 0.13      | 0.2     | 0.06     | 8.4      | 0.049    | 0.0249    | 6        |
| 11CB1259  | 0.4      | 0.1      | 70      | 0.7        | 0.088      | 18       | 33       | 0.8       | 567      | 0.073      | 1       | 1.8        | 0.013     | 0.14      | 0.2     | 0.05     | 7.8      | 0.049    | 0.0249    | 7        |
| 11CB1258  | 0.5      | 0.049    | 71      | 0.69       | 0.079      | 18       | 34       | 0.8       | 603      | 0.078      | 0.49    | 1.8        | 0.013     | 0.14      | 0.1     | 0.03     | 7.8      | 0.049    | 0.0249    | 7        |
| 11CB1257  | 0.5      | 0.1      | 73      | 0.69       | 0.074      | 20       | 35       | 0.78      | 646      | 0.073      | 2       | 1.88       | 0.014     | 0.12      | 0.2     | 0.05     | 8.8      | 0.049    | 0.0249    | 7        |
| 11CB1256  | 0.5      | 0.049    | 67      | 0.61       | 0.082      | 17       | 33       | 0.77      | 540      | 0.073      | 1       | 1.72       | 0.014     | 0.14      | 0.1     | 0.05     | 7.4      | 0.049    | 0.0249    | 6        |
| 11CB1255  | 0.3      | 0.049    | 7       | 4.03       | 0.088      | 2        | 3        | 0.3       | 1124     | 0.004      | 11      | 0.2        | 0.014     | 0.02      | 0.049   | 0.08     | 0.3      | 0.049    | 0.24      | 0.49     |
| 11CB1254  | 0.4      | 0.1      | 51      | 2.36       | 0.077      | 11       | 32       | 1.32      | 635      | 0.053      | 3       | 1.4        | 0.014     | 0.06      | 0.1     | 0.05     | 3.4      | 0.049    | 0.12      | 5        |
| 11CB1253  | 0.1      | 0.049    | 22      | 1.5        | 0.036      | 4        | 17       | 0.54      | 136      | 0.019      | 3       | 0.63       | 0.007     | 0.02      | 0.049   | 0.02     | 1.1      | 0.049    | 0.0249    | 2        |
| 11CB1252  | 0.4      | 0.1      | 48      | 2.43       | 0.084      | 10       | 29       | 0.88      | 273      | 0.035      | 3       | 1.16       | 0.015     | 0.05      | 0.2     | 0.06     | 2.4      | 0.049    | 0.06      | 4        |
| 11CB1251  | 0.3      | 0.049    | 48      | 2.94       | 0.098      | 10       | 26       | 1.48      | 208      | 0.036      | 1       | 1.07       | 0.015     | 0.05      | 0.2     | 0.03     | 2.4      | 0.049    | 0.0249    | 4        |
| 11CB1250  | 0.3      | 0.1      | 52      | 2.32       | 0.091      | 10       | 32       | 1         | 294      | 0.037      | 3       | 1.28       | 0.015     | 0.05      | 0.1     | 0.05     | 2.6      | 0.049    | 0.06      | 4        |
| 11CB1249  | 0.3      | 0.049    | 51      | 2.71       | 0.122      | 8        | 35       | 0.8       | 237      | 0.04       | 2       | 1.27       | 0.013     | 0.04      | 0.2     | 0.04     | 2.7      | 0.049    | 0.08      | 5        |
| 11CB1248  | 0.4      | 0.1      | 50      | 2.37       | 0.135      | 9        | 41       | 0.76      | 351      | 0.033      | 3       | 1.26       | 0.012     | 0.05      | 0.049   | 0.06     | 3.4      | 0.049    | 0.09      | 5        |
| 11CB1247  | 0.2      | 0.1      | 77      | 1.76       | 0.198      | 11       | 53       | 1.16      | 270      | 0.075      | 2       | 1.77       | 0.016     | 0.09      | 0.1     | 0.03     | 4.6      | 0.049    | 0.0249    | 7        |
| 11CB1246  | 0.3      | 0.049    | 81      | 1.54       | 0.151      | 11       | 66       | 1.04      | 270      | 0.05       | 1       | 1.66       | 0.016     | 0.06      | 0.049   | 0.05     | 7.1      | 0.049    | 0.0249    | 6        |
| 11CB1245  | 0.1      | 0.049    | 80      | 1.48       | 0.126      | 11       | 26       | 0.87      | 216      | 0.077      | 1       | 1.71       | 0.019     | 0.11      | 0.049   | 0.03     | 6        | 0.049    | 0.0249    | 7        |
| 11CB1244  | 0.2      | 0.049    | 68      | 0.76       | 0.091      | 11       | 32       | 0.89      | 239      | 0.074      | 1       | 1.66       | 0.018     | 0.05      | 0.049   | 0.06     | 4.9      | 0.049    | 0.0249    | 6        |
| 11CB1243  | 0.2      | 0.049    | 61      | 0.93       | 0.105      | 21       | 35       | 1.76      | 369      | 0.098      | 2       | 2.07       | 0.015     | 0.09      | 0.049   | 0.07     | 5.5      | 0.049    | 0.0249    | 7        |
| 11CB1242  | 0.1      | 0.049    | 71      | 0.43       | 0.083      | 11       | 37       | 1.18      | 273      | 0.145      | 0.49    | 1.92       | 0.012     | 0.14      | 0.049   | 0.03     | 3.7      | 0.1      | 0.0249    | 7        |
| 11CB1240  | 0.2      | 0.1      | 74      | 0.45       | 0.068      | 16       | 31       | 1.21      | 323      | 0.161      | 1       | 2.05       | 0.012     | 0.13      | 0.049   | 0.04     | 4.7      | 0.1      | 0.0249    | 7        |
| 11CB1239  | 0.1      | 0.049    | 84      | 0.49       | 0.093      | 13       | 33       | 1.77      | 330      | 0.17       | 0.49    | 2.32       | 0.012     | 0.35      | 0.049   | 0.02     | 6.4      | 0.2      | 0.0249    | 8        |
| 11CB1238  | 0.1      | 0.1      | 70      | 0.19       | 0.054      | 13       | 28       | 0.77      | 199      | 0.11       | 1       | 1.76       | 0.01      | 0.21      | 0.049   | 0.04     | 4.2      | 0.1      | 0.0249    | 7        |
| 11CB1237  | 0.2      | 0.1      | 78      | 0.19       | 0.058      | 12       | 23       | 0.81      | 174      | 0.136      | 1       | 1.93       | 0.012     | 0.26      | 0.049   | 0.03     | 4.1      | 0.1      | 0.0249    | 7        |
| 11CB1236  | 0.3      | 0.2      | 83      | 0.14       | 0.05       | 11       | 23       | 0.79      | 150      | 0.126      | 1       | 2          | 0.009     | 0.24      | 0.1     | 0.03     | 4.3      | 0.2      | 0.0249    | 8        |
| 11CB1235  | 0.1      | 0.049    | 57      | 0.13       | 0.092      | 7        | 16       | 0.71      | 264      | 0.104      | 0.49    | 1.87       | 0.017     | 0.4       | 0.049   | 0.04     | 2.2      | 0.1      | 0.15      | 6        |
| 11CB1234  | 0.6      | 0.2      | 65      | 0.13       | 0.03       | 9        | 34       | 0.48      | 222      | 0.062      | 0.49    | 2.31       | 0.012     | 0.05      | 0.1     | 0.02     | 2.8      | 0.1      | 0.0249    | 7        |
| 11CB1233  | 0.2      | 0.049    | 93      | 0.17       | 0.036      | 7        | 23       | 1.03      | 135      | 0.134      | 0.49    | 2.18       | 0.015     | 0.2       | 0.049   | 0.0049   | 5.2      | 0.049    | 0.13      | 9        |
| 11CB1232  | 0.2      | 0.049    | 60      | 0.7        | 0.062      | 12       | 25       | 1.43      | 221      | 0.15       | 1       | 2.11       | 0.021     | 0.13      | 0.1     | 0.03     | 2.9      | 0.049    | 0.0249    | 7        |
| 11CB1219  | 0.4      | 0.1      | 93      | 0.15       | 0.027      | 10       | 38       | 1.02      | 170      | 0.124      | 2       | 2.22       | 0.015     | 0.1       | 0.1     | 0.01     | 4.6      | 0.2      | 0.0249    | 8        |
| 11CB1218  | 0.5      | 0.2      | 107     | 0.19       | 0.102      | 8        | 37       | 0.9       | 154      | 0.107      | 0.49    | 2.35       | 0.012     | 0.08      | 0.2     | 0.02     | 5.5      | 0.1      | 0.0249    | 9        |
| 11CB1217  | 0.4      | 0.2      | 87      | 0.18       | 0.032      | 10       | 32       | 0.68      | 225      | 0.13       | 2       | 2.33       | 0.015     | 0.09      | 0.049   | 0.02     | 4        | 0.1      | 0.0249    | 8        |
| 11CB1216  | 0.3      | 0.1      | 95      | 0.16       | 0.045      | 13       | 34       | 1.13      | 224      | 0.155      | 1       | 2.36       | 0.013     | 0.24      | 0.049   | 0.01     | 5.1      | 0.2      | 0.0249    | 7        |
| 11CB1215  | 0.3      | 0.1      | 80      | 0.42       | 0.076      | 11       | 30       | 0.92      | 214      | 0.145      | 1       | 1.99       | 0.016     | 0.13      | 0.2     | 0.03     | 4        | 0.2      | 0.0249    | 6        |
| 11CB1214  | 0.2      | 0.049    | 75      | 0.47       | 0.079      | 9        | 24       | 0.9       | 226      | 0.146      | 1       | 1.89       | 0.016     | 0.13      | 0.1     | 0.03     | 3.5      | 0.2      | 0.0249    | 7        |
| 11CB1213  | 0.2      | 0.049    | 80      | 0.66       | 0.096      | 8        | 28       | 1.16      | 287      | 0.203      | 1       | 2.25       | 0.016     | 0.3       | 0.2     | 0.01     | 4        | 0.3      | 0.0249    | 8        |
| 11CB1212  | 0.2      | 0.049    | 74      | 0.59       | 0.072      | 9        | 23       | 0.84      | 217      | 0.122      | 0.49    | 1.83       | 0.015     | 0.13      | 0.2     | 0.03     | 4.6      | 0.1      | 0.0249    | 7        |
| 11CB1211  | 0.2      | 0.1      | 62      | 0.4        | 0.079      | 23       | 23       | 0.62      | 291      | 0.121      | 1       | 2          | 0.014     | 0.14      | 0.1     | 0.06     | 5.2      | 0.1      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB1210  | 0.2      | 0.2      | 93      | 0.39       | 0.061      | 15       | 32       | 0.91      | 215      | 0.138      | 2       | 2.29       | 0.014     | 0.15      | 0.1     | 0.02     | 5.8      | 0.2      | 0.0249    | 8        |
| 11CB1209  | 0.2      | 0.1      | 80      | 0.33       | 0.058      | 14       | 28       | 0.83      | 195      | 0.12       | 0.49    | 2.17       | 0.012     | 0.13      | 0.1     | 0.02     | 5.2      | 0.1      | 0.0249    | 7        |
| 11CB1207  | 0.4      | 0.2      | 81      | 0.14       | 0.038      | 11       | 31       | 0.72      | 142      | 0.14       | 2       | 2.2        | 0.009     | 0.09      | 0.2     | 0.02     | 4.5      | 0.2      | 0.0249    | 8        |
| 11CB1206  | 0.3      | 0.2      | 75      | 0.19       | 0.027      | 11       | 27       | 0.72      | 183      | 0.143      | 0.49    | 2.34       | 0.01      | 0.1       | 0.1     | 0.02     | 5        | 0.2      | 0.0249    | 8        |
| 11CB1205  | 0.4      | 0.2      | 81      | 0.19       | 0.029      | 14       | 38       | 0.76      | 200      | 0.147      | 0.49    | 2.44       | 0.011     | 0.1       | 0.1     | 0.02     | 5        | 0.1      | 0.0249    | 8        |
| 11CB1204  | 0.4      | 0.2      | 78      | 0.23       | 0.026      | 12       | 31       | 0.73      | 190      | 0.156      | 2       | 2.32       | 0.01      | 0.12      | 0.1     | 0.02     | 4.5      | 0.2      | 0.0249    | 8        |
| 11CB1203  | 0.4      | 0.2      | 79      | 0.21       | 0.025      | 13       | 33       | 0.71      | 202      | 0.146      | 2       | 2.54       | 0.012     | 0.12      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 8        |
| 11CB1202  | 0.4      | 0.2      | 76      | 0.28       | 0.037      | 14       | 28       | 0.62      | 234      | 0.136      | 1       | 2.23       | 0.011     | 0.11      | 0.1     | 0.02     | 4.8      | 0.1      | 0.0249    | 9        |
| 11CB1201  | 0.3      | 0.2      | 58      | 0.14       | 0.034      | 12       | 19       | 0.35      | 138      | 0.107      | 0.49    | 1.46       | 0.009     | 0.1       | 0.1     | 0.02     | 2.7      | 0.049    | 0.0249    | 8        |
| 11CB1199  | 0.3      | 0.2      | 83      | 0.18       | 0.023      | 10       | 30       | 0.82      | 157      | 0.148      | 0.49    | 2.39       | 0.01      | 0.17      | 0.1     | 0.02     | 4        | 0.1      | 0.0249    | 8        |
| 11CB1198  | 0.3      | 0.2      | 83      | 0.15       | 0.042      | 10       | 33       | 0.95      | 181      | 0.166      | 0.49    | 2.71       | 0.011     | 0.26      | 0.1     | 0.03     | 4.8      | 0.2      | 0.0249    | 9        |
| 11CB1197  | 0.3      | 0.1      | 77      | 0.15       | 0.03       | 11       | 26       | 0.89      | 179      | 0.172      | 0.49    | 2.34       | 0.009     | 0.27      | 0.049   | 0.03     | 4.6      | 0.2      | 0.0249    | 9        |
| 11CB1196  | 0.4      | 0.1      | 73      | 0.24       | 0.036      | 16       | 35       | 0.84      | 210      | 0.134      | 2       | 2.29       | 0.011     | 0.18      | 0.1     | 0.02     | 4.9      | 0.2      | 0.0249    | 7        |
| 11CB1195  | 0.2      | 0.1      | 56      | 0.21       | 0.053      | 12       | 22       | 0.64      | 166      | 0.112      | 0.49    | 1.63       | 0.011     | 0.17      | 0.049   | 0.03     | 3.4      | 0.1      | 0.0249    | 6        |
| 11CB1194  | 0.3      | 0.2      | 68      | 0.26       | 0.058      | 16       | 25       | 0.59      | 283      | 0.114      | 1       | 1.9        | 0.011     | 0.19      | 0.049   | 0.03     | 4.3      | 0.1      | 0.0249    | 7        |
| 11CB1193  | 0.3      | 0.2      | 63      | 0.12       | 0.04       | 9        | 19       | 0.32      | 90       | 0.109      | 2       | 1.2        | 0.008     | 0.11      | 0.049   | 0.03     | 2.3      | 0.049    | 0.0249    | 7        |
| 11CB1192  | 0.2      | 0.2      | 55      | 0.13       | 0.041      | 9        | 17       | 0.35      | 91       | 0.113      | 0.49    | 1.23       | 0.009     | 0.09      | 0.1     | 0.03     | 2.6      | 0.049    | 0.0249    | 7        |
| 11CB1191  | 0.2      | 0.049    | 116     | 0.18       | 0.057      | 9        | 20       | 1.25      | 233      | 0.224      | 0.49    | 2.47       | 0.01      | 0.64      | 0.1     | 0.0049   | 6.8      | 0.2      | 0.0249    | 8        |
| 11CB1190  | 0.3      | 0.1      | 77      | 0.21       | 0.067      | 11       | 29       | 0.9       | 248      | 0.16       | 1       | 2.16       | 0.011     | 0.31      | 0.1     | 0.02     | 4.4      | 0.1      | 0.0249    | 8        |
| 11CB1189  | 0.3      | 0.2      | 68      | 0.13       | 0.035      | 10       | 21       | 0.68      | 144      | 0.148      | 2       | 1.81       | 0.01      | 0.23      | 0.1     | 0.02     | 3.9      | 0.1      | 0.0249    | 8        |
| 11CB1188  | 0.3      | 0.1      | 63      | 0.16       | 0.048      | 10       | 23       | 0.67      | 202      | 0.138      | 1       | 1.8        | 0.011     | 0.24      | 0.049   | 0.03     | 3.8      | 0.1      | 0.0249    | 8        |
| 11CB1187  | 0.3      | 0.1      | 48      | 0.23       | 0.047      | 13       | 22       | 0.98      | 225      | 0.124      | 1       | 1.79       | 0.01      | 0.26      | 0.1     | 0.02     | 4.7      | 0.1      | 0.0249    | 6        |
| 11CB1186  | 0.2      | 0.1      | 38      | 0.28       | 0.068      | 12       | 18       | 0.98      | 292      | 0.091      | 2       | 1.67       | 0.011     | 0.33      | 0.049   | 0.04     | 4.3      | 0.2      | 0.07      | 6        |
| 11CB1185  | 0.3      | 0.2      | 56      | 0.3        | 0.046      | 15       | 27       | 0.93      | 351      | 0.11       | 0.49    | 2.12       | 0.011     | 0.21      | 0.1     | 0.03     | 4.9      | 0.2      | 0.0249    | 8        |
| 11CB1184  | 0.2      | 0.1      | 58      | 0.26       | 0.055      | 16       | 28       | 0.81      | 298      | 0.101      | 0.49    | 2.19       | 0.013     | 0.15      | 0.1     | 0.03     | 5.6      | 0.2      | 0.0249    | 8        |
| 11CB1183  | 0.3      | 0.1      | 72      | 0.35       | 0.052      | 13       | 26       | 1.08      | 265      | 0.138      | 0.49    | 2.08       | 0.012     | 0.22      | 0.1     | 0.02     | 5.7      | 0.1      | 0.0249    | 7        |
| 11CB1182  | 0.3      | 0.1      | 58      | 0.28       | 0.049      | 13       | 26       | 0.89      | 236      | 0.11       | 0.49    | 2.01       | 0.013     | 0.16      | 0.1     | 0.05     | 4.9      | 0.2      | 0.0249    | 7        |
| 11CB1181  | 0.2      | 0.1      | 73      | 0.25       | 0.045      | 11       | 28       | 0.93      | 210      | 0.128      | 0.49    | 2.01       | 0.01      | 0.13      | 0.1     | 0.02     | 5.1      | 0.1      | 0.0249    | 7        |
| 11CB1179  | 0.3      | 0.2      | 76      | 0.63       | 0.051      | 11       | 47       | 0.75      | 308      | 0.108      | 0.49    | 2.39       | 0.02      | 0.09      | 0.1     | 0.03     | 4.8      | 0.1      | 0.0249    | 7        |
| 11CB1178  | 0.2      | 0.049    | 76      | 0.61       | 0.061      | 11       | 35       | 0.99      | 290      | 0.158      | 0.49    | 2.14       | 0.018     | 0.16      | 0.2     | 0.03     | 4.2      | 0.1      | 0.0249    | 7        |
| 11CB1177  | 0.2      | 0.049    | 55      | 0.74       | 0.061      | 9        | 30       | 0.68      | 312      | 0.104      | 0.49    | 1.72       | 0.017     | 0.05      | 0.2     | 0.04     | 3.7      | 0.049    | 0.0249    | 6        |
| 11CB1176  | 0.2      | 0.1      | 70      | 0.58       | 0.059      | 9        | 27       | 0.84      | 182      | 0.142      | 0.49    | 1.89       | 0.014     | 0.07      | 0.1     | 0.04     | 4.3      | 0.1      | 0.0249    | 7        |
| 11CB1175  | 0.2      | 0.049    | 110     | 0.62       | 0.08       | 9        | 27       | 1.35      | 357      | 0.221      | 0.49    | 2.76       | 0.024     | 0.58      | 0.1     | 0.0049   | 5.9      | 0.3      | 0.0249    | 8        |
| 11CB1174  | 0.4      | 0.1      | 89      | 0.7        | 0.058      | 15       | 31       | 0.97      | 379      | 0.154      | 0.49    | 2.26       | 0.014     | 0.19      | 0.1     | 0.02     | 5.5      | 0.2      | 0.0249    | 7        |
| 11CB1173  | 0.3      | 0.2      | 98      | 0.71       | 0.097      | 18       | 35       | 1.34      | 433      | 0.203      | 0.49    | 2.5        | 0.014     | 0.34      | 0.2     | 0.02     | 6.3      | 0.3      | 0.0249    | 8        |
| 11CB1172  | 0.2      | 0.049    | 67      | 0.79       | 0.088      | 12       | 34       | 1.09      | 450      | 0.165      | 0.49    | 2.03       | 0.012     | 0.23      | 0.2     | 0.03     | 4.4      | 0.3      | 0.0249    | 7        |
| 11CB1171  | 0.2      | 0.049    | 90      | 0.87       | 0.095      | 12       | 40       | 1.29      | 468      | 0.21       | 0.49    | 2.32       | 0.016     | 0.29      | 0.2     | 0.02     | 4.7      | 0.2      | 0.0249    | 7        |
| 11CB1170  | 0.2      | 0.1      | 84      | 0.8        | 0.126      | 17       | 61       | 1.34      | 400      | 0.176      | 0.49    | 2.16       | 0.015     | 0.18      | 0.1     | 0.01     | 4.7      | 0.2      | 0.0249    | 8        |
| 11CB1169  | 0.2      | 0.049    | 90      | 0.81       | 0.125      | 18       | 59       | 1.3       | 397      | 0.183      | 0.49    | 2.09       | 0.016     | 0.19      | 0.2     | 0.03     | 5.1      | 0.2      | 0.0249    | 8        |
| 11CB1168  | 0.2      | 0.049    | 78      | 0.78       | 0.103      | 16       | 61       | 1.24      | 399      | 0.169      | 0.49    | 1.96       | 0.017     | 0.15      | 0.1     | 0.03     | 4.9      | 0.2      | 0.0249    | 7        |
| 11CB1167  | 0.2      | 0.049    | 73      | 0.91       | 0.098      | 13       | 40       | 1.22      | 477      | 0.135      | 0.49    | 2.02       | 0.016     | 0.21      | 0.1     | 0.03     | 5.7      | 0.2      | 0.0249    | 7        |
| 11CB1166  | 0.2      | 0.1      | 82      | 0.91       | 0.099      | 17       | 46       | 1.21      | 455      | 0.157      | 0.49    | 2.11       | 0.016     | 0.22      | 0.1     | 0.04     | 6.5      | 0.2      | 0.0249    | 8        |
| 11CB1165  | 0.2      | 0.049    | 80      | 0.9        | 0.099      | 16       | 51       | 1.21      | 460      | 0.159      | 0.49    | 2.09       | 0.017     | 0.18      | 0.1     | 0.03     | 6.4      | 0.2      | 0.0249    | 8        |
| 11CB1164  | 0.3      | 0.049    | 78      | 0.71       | 0.1        | 11       | 49       | 0.95      | 321      | 0.09       | 0.49    | 1.85       | 0.02      | 0.07      | 0.1     | 0.04     | 5.3      | 0.049    | 0.0249    | 6        |
| 11CB1163  | 0.3      | 0.049    | 80      | 0.71       | 0.093      | 10       | 47       | 1.08      | 301      | 0.096      | 0.49    | 2.04       | 0.024     | 0.07      | 0.1     | 0.03     | 5.9      | 0.049    | 0.0249    | 5        |
| 11CB1162  | 0.2      | 0.1      | 45      | 0.37       | 0.08       | 18       | 34       | 0.61      | 441      | 0.089      | 0.49    | 1.67       | 0.012     | 0.16      | 0.1     | 0.05     | 5.9      | 0.1      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB1161  | 0.2      | 0.2      | 51      | 0.39       | 0.082      | 19       | 41       | 0.7       | 493      | 0.09       | 1       | 1.96       | 0.014     | 0.15      | 0.049   | 0.05     | 6.2      | 0.1      | 0.0249    | 7        |
| 11CB1159  | 0.2      | 0.049    | 65      | 0.47       | 0.079      | 10       | 22       | 1         | 271      | 0.157      | 0.49    | 1.86       | 0.014     | 0.27      | 0.2     | 0.02     | 4.1      | 0.1      | 0.0249    | 7        |
| 11CB1158  | 0.2      | 0.1      | 70      | 0.64       | 0.077      | 12       | 24       | 0.99      | 423      | 0.157      | 0.49    | 2.28       | 0.014     | 0.3       | 0.2     | 0.03     | 5.2      | 0.2      | 0.0249    | 8        |
| 11CB1157  | 0.2      | 0.049    | 70      | 0.41       | 0.08       | 10       | 28       | 1.03      | 273      | 0.188      | 0.49    | 2.06       | 0.013     | 0.39      | 0.2     | 0.02     | 4        | 0.2      | 0.0249    | 7        |
| 11CB1156  | 0.2      | 0.049    | 59      | 0.49       | 0.079      | 17       | 25       | 0.85      | 273      | 0.151      | 0.49    | 1.83       | 0.016     | 0.29      | 0.2     | 0.0049   | 4.6      | 0.2      | 0.0249    | 6        |
| 11CB1155  | 0.1      | 0.049    | 90      | 0.56       | 0.1        | 7        | 24       | 1.19      | 327      | 0.211      | 0.49    | 2.21       | 0.017     | 0.41      | 0.2     | 0.01     | 3.8      | 0.2      | 0.0249    | 7        |
| 11CB1154  | 0.2      | 0.049    | 88      | 0.47       | 0.073      | 7        | 26       | 0.97      | 305      | 0.163      | 0.49    | 1.95       | 0.017     | 0.21      | 0.1     | 0.0049   | 4.5      | 0.1      | 0.0249    | 7        |
| 11CB1153  | 0.2      | 0.049    | 78      | 0.5        | 0.097      | 8        | 23       | 1.02      | 303      | 0.16       | 0.49    | 1.88       | 0.016     | 0.27      | 0.2     | 0.0049   | 4.1      | 0.1      | 0.0249    | 7        |
| 11CB1152  | 0.2      | 0.1      | 82      | 0.36       | 0.069      | 9        | 26       | 1.04      | 257      | 0.175      | 2       | 2          | 0.015     | 0.22      | 0.1     | 0.0049   | 4.4      | 0.1      | 0.0249    | 8        |
| 11CB1151  | 0.2      | 0.049    | 79      | 0.39       | 0.096      | 12       | 23       | 1.33      | 294      | 0.16       | 1       | 2.15       | 0.013     | 0.36      | 0.1     | 0.02     | 7        | 0.2      | 0.0249    | 8        |
| 11CB1150  | 0.2      | 0.1      | 77      | 0.42       | 0.103      | 13       | 23       | 1.39      | 315      | 0.158      | 1       | 2.21       | 0.014     | 0.35      | 0.049   | 0.0049   | 7.4      | 0.2      | 0.0249    | 8        |
| 11CB1149  | 0.2      | 0.1      | 80      | 0.56       | 0.121      | 11       | 23       | 1.47      | 372      | 0.167      | 1       | 2.1        | 0.017     | 0.44      | 0.1     | 0.01     | 5.1      | 0.2      | 0.0249    | 8        |
| 11CB0705  | 0.4      | 0.2      | 83      | 0.46       | 0.088      | 31       | 43       | 0.77      | 349      | 0.138      | 0.49    | 2.49       | 0.021     | 0.12      | 0.049   | 0.02     | 3.5      | 0.049    | 0.0249    | 7        |
| 11CB0704  | 0.4      | 0.2      | 56      | 0.28       | 0.053      | 27       | 28       | 0.51      | 251      | 0.093      | 1       | 1.84       | 0.012     | 0.07      | 0.1     | 0.03     | 3.2      | 0.049    | 0.0249    | 6        |
| 11CB0703  | 0.5      | 0.1      | 46      | 0.85       | 0.081      | 48       | 46       | 0.57      | 714      | 0.05       | 0.49    | 2.03       | 0.014     | 0.1       | 0.1     | 0.08     | 5.4      | 0.1      | 0.0249    | 5        |
| 11CB0702  | 0.5      | 0.2      | 68      | 0.17       | 0.041      | 16       | 31       | 0.55      | 215      | 0.078      | 0.49    | 2.18       | 0.011     | 0.08      | 0.1     | 0.03     | 3.2      | 0.049    | 0.0249    | 6        |
| 11CB0700  | 0.4      | 0.2      | 65      | 0.15       | 0.033      | 13       | 33       | 0.58      | 163      | 0.08       | 1       | 2.15       | 0.01      | 0.09      | 0.2     | 0.02     | 3.1      | 0.049    | 0.0249    | 6        |
| 11CB0699  | 0.4      | 0.2      | 71      | 0.17       | 0.035      | 22       | 34       | 0.6       | 225      | 0.09       | 0.49    | 2.31       | 0.012     | 0.1       | 0.049   | 0.03     | 3.9      | 0.2      | 0.0249    | 8        |
| 11CB0698  | 0.4      | 0.2      | 66      | 0.27       | 0.037      | 13       | 38       | 0.64      | 243      | 0.086      | 0.49    | 1.96       | 0.011     | 0.08      | 0.1     | 0.02     | 3.1      | 0.049    | 0.0249    | 6        |
| 11CB0697  | 0.4      | 0.2      | 65      | 0.23       | 0.047      | 24       | 36       | 0.6       | 271      | 0.09       | 0.49    | 2.17       | 0.011     | 0.14      | 0.1     | 0.02     | 3.4      | 0.2      | 0.0249    | 7        |
| 11CB0696  | 0.4      | 0.2      | 55      | 0.27       | 0.052      | 36       | 24       | 0.53      | 234      | 0.088      | 1       | 1.72       | 0.011     | 0.26      | 0.1     | 0.02     | 2.9      | 0.1      | 0.0249    | 7        |
| 11CB0695  | 0.7      | 0.2      | 63      | 0.13       | 0.023      | 20       | 39       | 0.55      | 236      | 0.059      | 0.49    | 2.44       | 0.009     | 0.06      | 0.1     | 0.02     | 3.3      | 0.1      | 0.0249    | 6        |
| 11CB0694  | 0.6      | 0.1      | 35      | 0.77       | 0.061      | 54       | 18       | 0.45      | 658      | 0.049      | 1       | 1.65       | 0.011     | 0.18      | 0.1     | 0.06     | 4.2      | 0.1      | 0.0249    | 5        |
| 11CB0693  | 0.7      | 0.2      | 52      | 0.25       | 0.021      | 34       | 29       | 0.48      | 384      | 0.046      | 1       | 1.84       | 0.009     | 0.09      | 0.049   | 0.03     | 3.3      | 0.1      | 0.0249    | 6        |
| 11CB0692  | 0.6      | 0.1      | 39      | 0.91       | 0.055      | 100      | 25       | 0.44      | 823      | 0.034      | 3       | 1.87       | 0.012     | 0.12      | 0.1     | 0.1      | 6.4      | 0.1      | 0.0249    | 5        |
| 11CB0691  | 0.7      | 0.1      | 50      | 0.17       | 0.018      | 25       | 29       | 0.54      | 262      | 0.05       | 1       | 2.49       | 0.009     | 0.13      | 0.049   | 0.02     | 3.9      | 0.2      | 0.0249    | 6        |
| 11CB0690  | 0.7      | 0.1      | 47      | 0.21       | 0.025      | 30       | 18       | 0.33      | 262      | 0.047      | 2       | 1.44       | 0.011     | 0.11      | 0.049   | 0.01     | 2.7      | 0.2      | 0.0249    | 5        |
| 11CB0689  | 0.6      | 0.1      | 42      | 0.17       | 0.027      | 23       | 18       | 0.3       | 353      | 0.023      | 2       | 1.39       | 0.008     | 0.11      | 0.1     | 0.01     | 2.5      | 0.1      | 0.0249    | 5        |
| 11CB0688  | 0.6      | 0.2      | 59      | 0.25       | 0.02       | 24       | 34       | 0.54      | 805      | 0.044      | 2       | 2.37       | 0.015     | 0.09      | 0.049   | 0.02     | 4.4      | 0.1      | 0.0249    | 6        |
| 11CB0687  | 0.8      | 0.2      | 56      | 0.14       | 0.02       | 14       | 34       | 0.52      | 471      | 0.035      | 3       | 2.63       | 0.01      | 0.08      | 0.1     | 0.04     | 4.4      | 0.1      | 0.0249    | 5        |
| 11CB0686  | 1        | 0.2      | 65      | 0.12       | 0.029      | 13       | 31       | 0.48      | 223      | 0.055      | 3       | 2.15       | 0.009     | 0.06      | 0.049   | 0.02     | 3        | 0.1      | 0.0249    | 6        |
| 11CB0685  | 0.4      | 0.2      | 53      | 0.14       | 0.023      | 14       | 24       | 0.35      | 269      | 0.023      | 2       | 1.83       | 0.01      | 0.05      | 0.049   | 0.01     | 2.9      | 0.1      | 0.0249    | 5        |
| 11CB0684  | 0.6      | 0.2      | 66      | 0.14       | 0.029      | 14       | 39       | 0.53      | 200      | 0.072      | 3       | 2.61       | 0.014     | 0.06      | 0.1     | 0.01     | 3.5      | 0.049    | 0.0249    | 6        |
| 11CB0683  | 0.4      | 0.2      | 58      | 0.2        | 0.042      | 19       | 31       | 0.52      | 261      | 0.066      | 1       | 2.09       | 0.01      | 0.05      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 5        |
| 11CB0682  | 0.4      | 0.2      | 64      | 0.22       | 0.046      | 18       | 33       | 0.56      | 309      | 0.065      | 1       | 2.24       | 0.013     | 0.09      | 0.049   | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11CB0680  | 0.4      | 0.2      | 56      | 0.17       | 0.032      | 16       | 28       | 0.45      | 232      | 0.072      | 0.49    | 1.68       | 0.009     | 0.05      | 0.1     | 0.02     | 3.1      | 0.1      | 0.0249    | 6        |
| 11CB0679  | 0.4      | 0.2      | 91      | 0.16       | 0.04       | 9        | 28       | 0.65      | 144      | 0.134      | 2       | 2.12       | 0.01      | 0.16      | 0.1     | 0.01     | 3.3      | 0.1      | 0.0249    | 8        |
| 11CB0678  | 0.4      | 0.2      | 69      | 0.26       | 0.049      | 21       | 49       | 0.72      | 345      | 0.093      | 2       | 2.15       | 0.012     | 0.09      | 0.1     | 0.04     | 3.8      | 0.1      | 0.0249    | 6        |
| 11CB0677  | 0.4      | 0.1      | 49      | 0.21       | 0.042      | 20       | 24       | 0.49      | 322      | 0.055      | 2       | 1.75       | 0.011     | 0.07      | 0.049   | 0.01     | 2.8      | 0.049    | 0.0249    | 5        |
| 11CB0676  | 0.4      | 0.1      | 91      | 0.61       | 0.075      | 20       | 52       | 1.37      | 726      | 0.151      | 1       | 2.36       | 0.016     | 0.33      | 0.049   | 0.03     | 8.6      | 0.2      | 0.0249    | 7        |
| 11CB0675  | 0.4      | 0.1      | 66      | 0.49       | 0.071      | 14       | 65       | 0.88      | 534      | 0.111      | 2       | 1.95       | 0.012     | 0.17      | 0.1     | 0.03     | 5.4      | 0.2      | 0.0249    | 7        |
| 11CB0674  | 0.3      | 0.1      | 76      | 0.42       | 0.109      | 14       | 32       | 0.84      | 416      | 0.112      | 1       | 2.03       | 0.013     | 0.22      | 0.049   | 0.03     | 6.1      | 0.2      | 0.0249    | 8        |
| 11CB0673  | 0.2      | 0.049    | 60      | 0.43       | 0.117      | 10       | 32       | 0.84      | 332      | 0.135      | 1       | 1.55       | 0.018     | 0.24      | 0.049   | 0.03     | 4.7      | 0.2      | 0.0249    | 7        |
| 11CB0672  | 0.2      | 0.1      | 42      | 0.27       | 0.051      | 18       | 24       | 0.44      | 373      | 0.048      | 0.49    | 1.49       | 0.011     | 0.05      | 0.1     | 0.04     | 2.4      | 0.1      | 0.0249    | 6        |
| 11CB0671  | 0.4      | 0.1      | 47      | 0.5        | 0.033      | 17       | 37       | 0.43      | 605      | 0.039      | 0.49    | 1.51       | 0.009     | 0.08      | 0.049   | 0.02     | 2.1      | 0.1      | 0.0249    | 5        |
| 11CB0670  | 0.2      | 0.049    | 53      | 0.68       | 0.123      | 41       | 49       | 0.81      | 694      | 0.09       | 0.49    | 1.68       | 0.01      | 0.11      | 0.049   | 0.02     | 4.4      | 0.1      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0669  | 0.2      | 0.1      | 48      | 0.36       | 0.073      | 23       | 26       | 0.52      | 425      | 0.058      | 1       | 1.56       | 0.011     | 0.07      | 0.049   | 0.03     | 3.2      | 0.1      | 0.0249    | 5        |
| 11CB0668  | 0.4      | 0.049    | 51      | 0.97       | 0.089      | 29       | 33       | 0.81      | 965      | 0.049      | 2       | 1.67       | 0.015     | 0.11      | 0.1     | 0.07     | 4.9      | 0.1      | 0.05      | 6        |
| 11CB0667  | 0.5      | 0.2      | 66      | 0.21       | 0.043      | 9        | 27       | 0.44      | 235      | 0.055      | 0.49    | 1.66       | 0.011     | 0.08      | 0.1     | 0.03     | 2.3      | 0.049    | 0.0249    | 6        |
| 11CB0666  | 0.2      | 0.1      | 55      | 0.37       | 0.064      | 13       | 31       | 0.66      | 497      | 0.061      | 0.49    | 1.6        | 0.011     | 0.1       | 0.049   | 0.03     | 3.8      | 0.049    | 0.0249    | 5        |
| 11CB0665  | 0.3      | 0.2      | 62      | 0.19       | 0.048      | 11       | 36       | 0.53      | 272      | 0.054      | 0.49    | 1.65       | 0.008     | 0.08      | 0.049   | 0.02     | 3.4      | 0.1      | 0.0249    | 6        |
| 11CB0664  | 0.2      | 0.1      | 86      | 0.25       | 0.054      | 9        | 31       | 1.03      | 321      | 0.169      | 1       | 2.21       | 0.012     | 0.25      | 0.1     | 0.02     | 4.4      | 0.1      | 0.0249    | 7        |
| 11CB0663  | 1.2      | 0.6      | 67      | 0.35       | 0.037      | 16       | 35       | 0.52      | 364      | 0.057      | 1       | 1.97       | 0.01      | 0.11      | 0.1     | 0.02     | 3.3      | 0.1      | 0.0249    | 7        |
| 11CB0662  | 1        | 0.7      | 57      | 0.15       | 0.031      | 12       | 30       | 0.48      | 328      | 0.054      | 0.49    | 1.88       | 0.011     | 0.07      | 0.1     | 0.02     | 2.7      | 0.1      | 0.0249    | 5        |
| 11CB0660  | 0.9      | 0.6      | 62      | 0.1        | 0.045      | 10       | 16       | 0.32      | 104      | 0.081      | 1       | 1.16       | 0.007     | 0.08      | 0.1     | 0.0049   | 1.7      | 0.2      | 0.0249    | 7        |
| 11CB0659  | 1        | 0.7      | 72      | 0.21       | 0.048      | 15       | 42       | 0.56      | 150      | 0.021      | 0.49    | 2.15       | 0.011     | 0.07      | 0.049   | 0.02     | 3        | 0.1      | 0.0249    | 6        |
| 11CB0658  | 0.4      | 0.3      | 60      | 0.25       | 0.031      | 10       | 26       | 0.53      | 194      | 0.073      | 0.49    | 2.01       | 0.011     | 0.06      | 0.1     | 0.03     | 2.4      | 0.1      | 0.0249    | 6        |
| 11CB0657  | 0.5      | 0.9      | 53      | 0.1        | 0.047      | 6        | 25       | 0.58      | 208      | 0.021      | 0.49    | 2.13       | 0.009     | 0.09      | 0.2     | 0.02     | 1.8      | 0.2      | 0.0249    | 7        |
| 11CB0656  | 0.5      | 0.2      | 74      | 0.14       | 0.057      | 12       | 36       | 0.64      | 133      | 0.115      | 0.49    | 2.67       | 0.009     | 0.18      | 0.1     | 0.03     | 3.2      | 0.2      | 0.0249    | 7        |
| 11CB0655  | 0.5      | 0.2      | 79      | 0.17       | 0.027      | 13       | 43       | 0.62      | 173      | 0.091      | 0.49    | 2.53       | 0.016     | 0.06      | 0.1     | 0.03     | 4.1      | 0.1      | 0.0249    | 7        |
| 11CB0654  | 0.6      | 0.2      | 82      | 0.2        | 0.056      | 22       | 45       | 0.69      | 282      | 0.102      | 2       | 3          | 0.012     | 0.11      | 0.2     | 0.03     | 4.9      | 0.2      | 0.0249    | 7        |
| 11CB0653  | 0.5      | 0.1      | 74      | 0.25       | 0.04       | 15       | 49       | 0.72      | 237      | 0.12       | 1       | 2.61       | 0.012     | 0.09      | 0.2     | 0.02     | 4.4      | 0.1      | 0.0249    | 6        |
| 11CB0652  | 0.4      | 0.2      | 70      | 0.27       | 0.064      | 28       | 56       | 0.67      | 306      | 0.077      | 1       | 2.3        | 0.01      | 0.06      | 0.1     | 0.03     | 4.4      | 0.1      | 0.0249    | 7        |
| 11CB0651  | 0.4      | 0.1      | 60      | 0.21       | 0.057      | 19       | 36       | 0.55      | 179      | 0.078      | 2       | 1.85       | 0.012     | 0.07      | 0.049   | 0.02     | 3.1      | 0.1      | 0.0249    | 6        |
| 11CB0650  | 0.4      | 0.1      | 64      | 0.25       | 0.043      | 23       | 37       | 0.57      | 203      | 0.083      | 1       | 1.87       | 0.014     | 0.07      | 0.049   | 0.03     | 3.2      | 0.049    | 0.0249    | 6        |
| 11CB0649  | 0.4      | 0.2      | 63      | 0.16       | 0.056      | 19       | 24       | 0.25      | 147      | 0.046      | 0.49    | 1.28       | 0.009     | 0.07      | 0.049   | 0.02     | 1.6      | 0.1      | 0.0249    | 7        |
| 11CB0648  | 0.4      | 0.1      | 61      | 0.23       | 0.046      | 22       | 35       | 0.69      | 179      | 0.097      | 2       | 2.02       | 0.011     | 0.09      | 0.1     | 0.02     | 4.4      | 0.1      | 0.0249    | 6        |
| 11CB0647  | 0.4      | 0.1      | 44      | 0.11       | 0.064      | 21       | 19       | 0.31      | 117      | 0.027      | 0.49    | 1.6        | 0.009     | 0.12      | 0.049   | 0.01     | 2.6      | 0.1      | 0.0249    | 6        |
| 11CB0646  | 0.5      | 0.049    | 38      | 0.5        | 0.047      | 33       | 23       | 0.37      | 690      | 0.033      | 1       | 1.5        | 0.012     | 0.11      | 0.049   | 0.04     | 4.2      | 0.1      | 0.0249    | 4        |
| 11CB0645  | 0.4      | 0.049    | 33      | 0.67       | 0.064      | 40       | 20       | 0.33      | 742      | 0.021      | 2       | 1.39       | 0.013     | 0.09      | 0.1     | 0.05     | 4.4      | 0.049    | 0.0249    | 4        |
| 11CB0644  | 0.4      | 0.1      | 60      | 0.89       | 0.076      | 23       | 37       | 0.61      | 594      | 0.035      | 0.49    | 1.96       | 0.018     | 0.08      | 0.049   | 0.06     | 6.3      | 0.1      | 0.0249    | 6        |
| 11CB0643  | 0.4      | 0.049    | 51      | 0.52       | 0.072      | 34       | 26       | 0.53      | 769      | 0.026      | 0.49    | 1.69       | 0.014     | 0.1       | 0.049   | 0.05     | 6.3      | 0.1      | 0.0249    | 5        |
| 11CB0642  | 0.3      | 0.1      | 84      | 0.34       | 0.029      | 17       | 40       | 0.75      | 472      | 0.059      | 0.49    | 2.5        | 0.014     | 0.08      | 0.049   | 0.03     | 6        | 0.1      | 0.0249    | 7        |
| 11CB0640  | 0.5      | 0.1      | 66      | 0.23       | 0.039      | 18       | 40       | 0.63      | 378      | 0.081      | 1       | 2.42       | 0.015     | 0.07      | 0.049   | 0.06     | 6.3      | 0.1      | 0.0249    | 6        |
| 11CB0639  | 0.2      | 0.1      | 81      | 0.35       | 0.04       | 18       | 21       | 0.63      | 543      | 0.087      | 0.49    | 1.83       | 0.017     | 0.12      | 0.049   | 0.02     | 4.5      | 0.1      | 0.0249    | 8        |
| 11CB0638  | 0.4      | 0.049    | 48      | 0.25       | 0.054      | 30       | 48       | 0.46      | 526      | 0.046      | 0.49    | 1.69       | 0.008     | 0.19      | 0.049   | 0.0049   | 4        | 0.2      | 0.0249    | 6        |
| 11CB0637  | 0.4      | 0.2      | 67      | 0.19       | 0.027      | 18       | 38       | 0.56      | 237      | 0.089      | 1       | 2.3        | 0.012     | 0.08      | 0.1     | 0.03     | 4.1      | 0.1      | 0.0249    | 6        |
| 11CB0636  | 0.5      | 0.049    | 82      | 0.22       | 0.086      | 6        | 18       | 0.52      | 165      | 0.02       | 0.49    | 2.61       | 0.014     | 0.22      | 0.049   | 0.02     | 8        | 0.2      | 0.0249    | 7        |
| 11CB0635  | 0.4      | 0.049    | 39      | 0.22       | 0.053      | 31       | 30       | 0.4       | 256      | 0.034      | 0.49    | 1.61       | 0.008     | 0.1       | 0.1     | 0.03     | 3        | 0.049    | 0.0249    | 5        |
| 11CB0634  | 0.5      | 0.2      | 78      | 0.15       | 0.044      | 15       | 54       | 0.63      | 220      | 0.087      | 1       | 2.19       | 0.01      | 0.06      | 0.049   | 0.02     | 3.5      | 0.1      | 0.0249    | 7        |
| 11CB0633  | 0.5      | 0.2      | 63      | 0.15       | 0.039      | 15       | 34       | 0.5       | 162      | 0.067      | 0.49    | 2.29       | 0.01      | 0.06      | 0.1     | 0.03     | 3.1      | 0.049    | 0.0249    | 6        |
| 11CB0632  | 0.5      | 0.2      | 69      | 0.14       | 0.034      | 17       | 35       | 0.45      | 169      | 0.072      | 0.49    | 2.11       | 0.009     | 0.05      | 0.2     | 0.04     | 2.9      | 0.1      | 0.0249    | 7        |
| 11CB0631  | 0.3      | 0.1      | 45      | 0.17       | 0.022      | 26       | 25       | 0.4       | 270      | 0.037      | 0.49    | 2.01       | 0.007     | 0.07      | 0.049   | 0.03     | 2.5      | 0.049    | 0.0249    | 6        |
| 11CB0630  | 0.5      | 0.2      | 69      | 0.13       | 0.032      | 19       | 38       | 0.49      | 181      | 0.075      | 1       | 2.29       | 0.011     | 0.05      | 0.1     | 0.03     | 3.9      | 0.1      | 0.0249    | 7        |
| 11CB0629  | 0.4      | 0.1      | 66      | 0.18       | 0.03       | 20       | 37       | 0.57      | 305      | 0.074      | 1       | 2.6        | 0.011     | 0.09      | 0.049   | 0.03     | 4        | 0.1      | 0.0249    | 7        |
| 11CB0628  | 0.3      | 0.1      | 69      | 0.15       | 0.037      | 18       | 64       | 0.78      | 259      | 0.098      | 0.49    | 3.12       | 0.011     | 0.14      | 0.049   | 0.02     | 4.4      | 0.1      | 0.0249    | 8        |
| 11CB0627  | 0.4      | 0.2      | 67      | 0.14       | 0.043      | 18       | 38       | 0.47      | 204      | 0.061      | 0.49    | 2.13       | 0.01      | 0.06      | 0.1     | 0.03     | 3.3      | 0.1      | 0.0249    | 7        |
| 11CB0626  | 0.4      | 0.1      | 58      | 0.16       | 0.027      | 15       | 32       | 0.48      | 335      | 0.047      | 1       | 2.09       | 0.01      | 0.07      | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 5        |
| 11CB0625  | 0.3      | 0.2      | 67      | 0.2        | 0.037      | 13       | 36       | 0.55      | 332      | 0.061      | 0.49    | 2.46       | 0.012     | 0.06      | 0.1     | 0.03     | 4.3      | 0.1      | 0.0249    | 6        |
| 11CB0624  | 0.5      | 0.2      | 79      | 0.17       | 0.028      | 11       | 44       | 0.59      | 245      | 0.072      | 0.49    | 2.51       | 0.009     | 0.07      | 0.1     | 0.02     | 3.7      | 0.1      | 0.0249    | 7        |
| 11CB0623  | 0.4      | 0.1      | 69      | 0.23       | 0.075      | 11       | 28       | 0.5       | 215      | 0.066      | 1       | 1.98       | 0.011     | 0.07      | 0.049   | 0.02     | 3.5      | 0.1      | 0.0249    | 7        |
| 11CB0622  | 0.4      | 0.1      | 57      | 0.4        | 0.066      | 31       | 32       | 0.58      | 505      | 0.078      | 0.49    | 1.78       | 0.016     | 0.07      | 0.1     | 0.03     | 5        | 0.049    | 0.0249    | 5        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0620  | 0.2      | 0.2      | 84      | 0.26       | 0.037      | 9        | 31       | 0.87      | 188      | 0.115      | 0.49    | 2.63       | 0.013     | 0.11      | 0.049   | 0.02     | 3.9      | 0.1      | 0.0249    | 7        |
| 11CB0619  | 0.2      | 0.1      | 99      | 0.24       | 0.1        | 7        | 21       | 0.86      | 204      | 0.19       | 0.49    | 2.69       | 0.014     | 0.37      | 0.049   | 0.02     | 3.4      | 0.3      | 0.0249    | 10       |
| 11CB0618  | 0.4      | 0.1      | 92      | 0.18       | 0.05       | 10       | 31       | 0.83      | 198      | 0.124      | 0.49    | 2.48       | 0.013     | 0.18      | 0.049   | 0.02     | 3.9      | 0.2      | 0.06      | 8        |
| 11CB0617  | 0.4      | 0.1      | 56      | 0.23       | 0.059      | 15       | 34       | 0.62      | 177      | 0.086      | 0.49    | 2.72       | 0.012     | 0.13      | 0.049   | 0.04     | 3.6      | 0.2      | 0.0249    | 6        |
| 11CB0616  | 0.3      | 0.049    | 75      | 0.38       | 0.077      | 15       | 27       | 0.98      | 247      | 0.155      | 0.49    | 2.2        | 0.017     | 0.21      | 0.1     | 0.0049   | 4.1      | 0.2      | 0.0249    | 7        |
| 11CB0615  | 0.2      | 0.2      | 68      | 0.44       | 0.066      | 11       | 26       | 0.71      | 185      | 0.112      | 0.49    | 1.98       | 0.015     | 0.12      | 0.049   | 0.02     | 3.6      | 0.2      | 0.0249    | 7        |
| 11CB0614  | 0.2      | 0.2      | 68      | 0.38       | 0.053      | 10       | 25       | 0.73      | 213      | 0.114      | 0.49    | 1.86       | 0.015     | 0.1       | 0.2     | 0.03     | 3.5      | 0.1      | 0.0249    | 6        |
| 11CB0613  | 0.2      | 0.2      | 78      | 0.73       | 0.061      | 13       | 32       | 0.97      | 299      | 0.161      | 0.49    | 2.25       | 0.02      | 0.17      | 0.1     | 0.0049   | 4.3      | 0.2      | 0.0249    | 7        |
| 11CB0612  | 0.3      | 0.2      | 78      | 0.64       | 0.07       | 14       | 23       | 0.93      | 288      | 0.143      | 2       | 2.18       | 0.018     | 0.24      | 0.2     | 0.01     | 5        | 0.2      | 0.0249    | 7        |
| 11CB0611  | 0.2      | 0.3      | 63      | 0.56       | 0.052      | 13       | 25       | 0.74      | 244      | 0.11       | 0.49    | 1.75       | 0.012     | 0.18      | 0.2     | 0.04     | 4.5      | 0.2      | 0.05      | 7        |
| 11CB0610  | 0.2      | 0.3      | 52      | 0.34       | 0.053      | 12       | 23       | 0.64      | 185      | 0.083      | 0.49    | 1.55       | 0.01      | 0.06      | 0.2     | 0.01     | 3        | 0.1      | 0.0249    | 5        |
| 11CB0609  | 0.3      | 0.5      | 53      | 0.29       | 0.062      | 18       | 24       | 0.49      | 251      | 0.073      | 0.49    | 1.81       | 0.009     | 0.13      | 0.2     | 0.03     | 3.2      | 0.1      | 0.0249    | 7        |
| 11CB0608  | 0.3      | 0.4      | 58      | 0.35       | 0.053      | 15       | 31       | 0.53      | 296      | 0.06       | 0.49    | 1.97       | 0.009     | 0.1       | 0.2     | 0.03     | 3.5      | 0.1      | 0.0249    | 7        |
| 11CB0607  | 0.3      | 0.3      | 48      | 0.39       | 0.082      | 71       | 26       | 0.37      | 500      | 0.037      | 0.49    | 2.38       | 0.012     | 0.09      | 0.1     | 0.04     | 4.7      | 0.1      | 0.0249    | 7        |
| 11CB0606  | 0.3      | 0.3      | 51      | 0.18       | 0.035      | 15       | 20       | 0.34      | 175      | 0.069      | 0.49    | 1.35       | 0.008     | 0.1       | 0.2     | 0.02     | 2.3      | 0.1      | 0.0249    | 6        |
| 11CB0605  | 0.4      | 0.5      | 47      | 0.24       | 0.053      | 28       | 29       | 0.43      | 390      | 0.047      | 0.49    | 2.04       | 0.009     | 0.08      | 0.2     | 0.06     | 3.7      | 0.1      | 0.0249    | 7        |
| 11CB0604  | 0.3      | 0.3      | 53      | 0.18       | 0.044      | 13       | 28       | 0.38      | 146      | 0.05       | 1       | 1.6        | 0.008     | 0.05      | 0.2     | 0.04     | 2.4      | 0.049    | 0.0249    | 6        |
| 11CB0603  | 0.3      | 0.2      | 38      | 0.19       | 0.05       | 13       | 21       | 0.31      | 161      | 0.032      | 0.49    | 1.24       | 0.007     | 0.04      | 0.2     | 0.08     | 1.7      | 0.049    | 0.0249    | 4        |
| 11CB0602  | 0.3      | 0.3      | 47      | 0.2        | 0.046      | 11       | 23       | 0.36      | 152      | 0.044      | 1       | 1.4        | 0.009     | 0.05      | 0.2     | 0.03     | 2.2      | 0.049    | 0.0249    | 5        |
| 11CB0600  | 0.3      | 0.2      | 49      | 0.37       | 0.039      | 28       | 32       | 0.39      | 759      | 0.045      | 1       | 1.52       | 0.01      | 0.08      | 0.1     | 0.03     | 4.1      | 0.049    | 0.0249    | 5        |
| 11CB0599  | 0.3      | 0.1      | 51      | 0.41       | 0.032      | 13       | 31       | 0.41      | 474      | 0.052      | 0.49    | 1.39       | 0.009     | 0.06      | 0.1     | 0.02     | 2.8      | 0.049    | 0.0249    | 5        |
| 11CB0598  | 0.3      | 0.2      | 61      | 0.64       | 0.128      | 25       | 96       | 0.84      | 512      | 0.085      | 0.49    | 1.71       | 0.011     | 0.09      | 0.1     | 0.04     | 4        | 0.049    | 0.0249    | 6        |
| 11CB0597  | 0.3      | 0.1      | 46      | 0.46       | 0.041      | 17       | 26       | 0.42      | 550      | 0.044      | 0.49    | 1.42       | 0.009     | 0.06      | 0.1     | 0.04     | 3.4      | 0.049    | 0.0249    | 5        |
| 11CB0596  | 0.3      | 0.1      | 50      | 0.38       | 0.042      | 18       | 30       | 0.45      | 348      | 0.052      | 0.49    | 1.36       | 0.009     | 0.06      | 0.1     | 0.03     | 2.9      | 0.049    | 0.0249    | 5        |
| 11CB0595  | 0.3      | 0.2      | 51      | 0.71       | 0.037      | 15       | 26       | 0.45      | 586      | 0.042      | 1       | 1.37       | 0.011     | 0.06      | 0.1     | 0.03     | 3.1      | 0.049    | 0.0249    | 6        |
| 11CB0594  | 0.4      | 0.2      | 63      | 0.87       | 0.182      | 32       | 69       | 0.82      | 746      | 0.06       | 3       | 1.77       | 0.01      | 0.17      | 0.2     | 0.09     | 6.9      | 0.2      | 0.1       | 6        |
| 11CB0593  | 0.2      | 0.049    | 46      | 0.36       | 0.065      | 19       | 22       | 0.46      | 251      | 0.057      | 1       | 1.2        | 0.01      | 0.06      | 0.1     | 0.03     | 3.2      | 0.049    | 0.0249    | 5        |
| 11CB0592  | 0.2      | 0.1      | 54      | 0.53       | 0.103      | 23       | 28       | 0.58      | 328      | 0.049      | 2       | 1.34       | 0.014     | 0.07      | 0.1     | 0.02     | 3.9      | 0.049    | 0.0249    | 5        |
| 11CB0591  | 0.2      | 0.1      | 55      | 0.51       | 0.095      | 25       | 29       | 0.65      | 325      | 0.053      | 0.49    | 1.39       | 0.014     | 0.07      | 0.1     | 0.03     | 3.9      | 0.049    | 0.0249    | 5        |
| 11CB0590  | 0.049    | 0.049    | 56      | 0.82       | 0.18       | 9        | 55       | 0.85      | 403      | 0.066      | 1       | 1.62       | 0.02      | 0.07      | 0.049   | 0.02     | 5.1      | 0.049    | 0.0249    | 6        |
| 11CB0589  | 0.2      | 0.049    | 54      | 0.81       | 0.074      | 13       | 54       | 0.97      | 512      | 0.03       | 0.49    | 1.86       | 0.014     | 0.07      | 0.049   | 0.03     | 5.3      | 0.049    | 0.0249    | 5        |
| 11CB0588  | 0.1      | 0.049    | 61      | 0.6        | 0.053      | 12       | 85       | 1.27      | 463      | 0.042      | 1       | 2.32       | 0.014     | 0.05      | 0.049   | 0.02     | 6.2      | 0.049    | 0.0249    | 6        |
| 11CB0587  | 0.3      | 0.1      | 48      | 0.56       | 0.03       | 21       | 29       | 0.42      | 768      | 0.031      | 0.49    | 1.51       | 0.009     | 0.07      | 0.049   | 0.02     | 3.3      | 0.049    | 0.0249    | 5        |
| 11CB0586  | 0.3      | 0.1      | 52      | 0.17       | 0.033      | 19       | 32       | 0.43      | 566      | 0.023      | 1       | 1.71       | 0.007     | 0.06      | 0.1     | 0.02     | 3.6      | 0.049    | 0.0249    | 5        |
| 11CB0585  | 0.4      | 0.2      | 56      | 0.12       | 0.084      | 13       | 22       | 0.3       | 144      | 0.029      | 0.49    | 1.36       | 0.005     | 0.07      | 0.1     | 0.02     | 2.4      | 0.049    | 0.0249    | 6        |
| 11CB0584  | 0.4      | 0.1      | 53      | 0.1        | 0.028      | 26       | 30       | 0.4       | 257      | 0.047      | 1       | 1.82       | 0.007     | 0.07      | 0.049   | 0.04     | 5.4      | 0.049    | 0.0249    | 5        |
| 11CB0583  | 0.3      | 0.1      | 48      | 0.12       | 0.031      | 30       | 23       | 0.39      | 488      | 0.029      | 2       | 1.73       | 0.006     | 0.1       | 0.1     | 0.03     | 3        | 0.1      | 0.0249    | 5        |
| 11CB0582  | 0.4      | 0.1      | 58      | 0.12       | 0.033      | 18       | 29       | 0.5       | 208      | 0.061      | 0.49    | 1.99       | 0.008     | 0.1       | 0.1     | 0.05     | 3.4      | 0.049    | 0.0249    | 6        |
| 11CB0580  | 0.3      | 0.4      | 46      | 0.12       | 0.042      | 24       | 14       | 0.38      | 184      | 0.028      | 2       | 1.91       | 0.006     | 0.13      | 0.049   | 0.02     | 4.2      | 0.049    | 0.0249    | 7        |
| 11CB0579  | 0.5      | 0.2      | 57      | 0.09       | 0.038      | 27       | 30       | 0.48      | 257      | 0.071      | 2       | 2.19       | 0.007     | 0.17      | 0.1     | 0.03     | 3.9      | 0.1      | 0.0249    | 6        |
| 11CB0578  | 0.4      | 0.2      | 62      | 0.09       | 0.041      | 8        | 23       | 0.56      | 200      | 0.1        | 3       | 2.04       | 0.007     | 0.2       | 0.1     | 0.03     | 2.8      | 0.1      | 0.0249    | 7        |
| 11CB0577  | 0.4      | 0.2      | 58      | 0.1        | 0.034      | 12       | 31       | 0.49      | 219      | 0.069      | 2       | 2.1        | 0.007     | 0.1       | 0.2     | 0.05     | 4        | 0.1      | 0.0249    | 6        |
| 11CB0576  | 0.3      | 0.2      | 77      | 0.09       | 0.028      | 9        | 22       | 0.45      | 115      | 0.106      | 4       | 1.86       | 0.007     | 0.08      | 0.2     | 0.03     | 2.7      | 0.049    | 0.0249    | 8        |
| 11CB0575  | 0.1      | 0.049    | 52      | 0.43       | 0.065      | 13       | 17       | 0.75      | 167      | 0.099      | 2       | 1.84       | 0.025     | 0.18      | 0.049   | 0.0049   | 3.1      | 0.2      | 0.11      | 5        |
| 11CB0574  | 0.1      | 0.1      | 51      | 0.27       | 0.053      | 10       | 16       | 0.6       | 121      | 0.079      | 1       | 1.55       | 0.01      | 0.1       | 0.1     | 0.01     | 2.7      | 0.1      | 0.0249    | 5        |
| 11CB0573  | 0.2      | 0.2      | 52      | 0.57       | 0.048      | 10       | 20       | 0.62      | 210      | 0.073      | 0.49    | 1.7        | 0.012     | 0.07      | 0.1     | 0.03     | 3.2      | 0.1      | 0.0249    | 5        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0572  | 0.2      | 0.3      | 36      | 0.37       | 0.025      | 13       | 17       | 0.31      | 213      | 0.051      | 0.49    | 1.02       | 0.009     | 0.07      | 0.2     | 0.02     | 2.2      | 0.1      | 0.0249    | 5        |
| 11CB0571  | 0.2      | 0.2      | 52      | 0.48       | 0.044      | 10       | 20       | 0.55      | 174      | 0.075      | 0.49    | 1.35       | 0.01      | 0.08      | 0.2     | 0.03     | 3.3      | 0.1      | 0.0249    | 5        |
| 11CB0570  | 0.3      | 0.2      | 51      | 0.24       | 0.035      | 12       | 22       | 0.42      | 167      | 0.062      | 1       | 1.54       | 0.008     | 0.06      | 0.1     | 0.0049   | 2.6      | 0.1      | 0.0249    | 5        |
| 11CB0569  | 0.2      | 0.2      | 21      | 0.24       | 0.04       | 12       | 17       | 0.27      | 167      | 0.034      | 3       | 1.04       | 0.009     | 0.04      | 0.2     | 0.03     | 2.1      | 0.049    | 0.0249    | 4        |
| 11CB0568  | 0.3      | 0.2      | 44      | 0.18       | 0.05       | 16       | 22       | 0.36      | 159      | 0.036      | 1       | 1.44       | 0.008     | 0.05      | 0.2     | 0.02     | 2.1      | 0.049    | 0.0249    | 5        |
| 11CB0567  | 0.2      | 0.049    | 41      | 0.56       | 0.087      | 19       | 25       | 0.55      | 386      | 0.046      | 0.49    | 1.32       | 0.014     | 0.06      | 0.2     | 0.04     | 4.4      | 0.049    | 0.0249    | 4        |
| 11CB0566  | 0.2      | 0.1      | 42      | 0.49       | 0.049      | 54       | 32       | 0.38      | 334      | 0.023      | 0.49    | 1.54       | 0.01      | 0.1       | 0.049   | 0.05     | 5.8      | 0.049    | 0.0249    | 5        |
| 11CB0565  | 0.2      | 0.049    | 70      | 0.62       | 0.085      | 15       | 37       | 0.82      | 304      | 0.064      | 0.49    | 2.01       | 0.019     | 0.05      | 0.049   | 0.04     | 8        | 0.049    | 0.0249    | 5        |
| 11CB0564  | 0.1      | 0.049    | 47      | 0.53       | 0.082      | 9        | 21       | 0.59      | 212      | 0.052      | 1       | 1.37       | 0.019     | 0.05      | 0.049   | 0.0049   | 4.3      | 0.049    | 0.0249    | 4        |
| 11CB0563  | 0.2      | 0.049    | 49      | 0.46       | 0.051      | 4        | 26       | 0.58      | 155      | 0.047      | 0.49    | 1.63       | 0.016     | 0.05      | 0.049   | 0.03     | 3.5      | 0.049    | 0.0249    | 5        |
| 11CB0562  | 0.2      | 0.1      | 60      | 0.33       | 0.025      | 7        | 33       | 0.79      | 188      | 0.046      | 0.49    | 1.83       | 0.012     | 0.04      | 0.049   | 0.02     | 3.6      | 0.1      | 0.0249    | 6        |
| 11CB0560  | 0.2      | 0.049    | 50      | 0.46       | 0.049      | 17       | 26       | 0.69      | 347      | 0.022      | 2       | 1.86       | 0.011     | 0.1       | 0.049   | 0.03     | 4        | 0.049    | 0.0249    | 6        |
| 11CB0559  | 0.4      | 0.1      | 53      | 0.11       | 0.036      | 12       | 29       | 0.38      | 132      | 0.035      | 0.49    | 1.71       | 0.007     | 0.05      | 0.049   | 0.02     | 2.7      | 0.1      | 0.0249    | 5        |
| 11CB0558  | 0.3      | 0.1      | 57      | 0.1        | 0.029      | 10       | 28       | 0.6       | 162      | 0.038      | 0.49    | 2.36       | 0.006     | 0.08      | 0.1     | 0.02     | 3.3      | 0.049    | 0.0249    | 6        |
| 11CB0557  | 0.4      | 0.2      | 60      | 0.09       | 0.037      | 16       | 30       | 0.46      | 166      | 0.066      | 0.49    | 2.05       | 0.006     | 0.07      | 0.1     | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11CB0556  | 0.4      | 0.1      | 54      | 0.09       | 0.048      | 14       | 30       | 0.58      | 176      | 0.033      | 0.49    | 2.23       | 0.006     | 0.12      | 0.1     | 0.02     | 3.7      | 0.1      | 0.0249    | 7        |
| 11CB0555  | 0.4      | 0.2      | 54      | 0.12       | 0.043      | 11       | 24       | 0.45      | 146      | 0.05       | 0.49    | 1.93       | 0.007     | 0.1       | 0.1     | 0.02     | 3.5      | 0.1      | 0.0249    | 6        |
| 11CB0554  | 0.3      | 0.1      | 55      | 0.19       | 0.031      | 15       | 29       | 0.55      | 313      | 0.051      | 0.49    | 1.98       | 0.008     | 0.08      | 0.049   | 0.0049   | 4.3      | 0.1      | 0.0249    | 5        |
| 11CB0553  | 0.4      | 0.1      | 51      | 0.32       | 0.052      | 13       | 34       | 0.54      | 305      | 0.045      | 1       | 1.54       | 0.01      | 0.05      | 0.2     | 0.03     | 4        | 0.049    | 0.0249    | 5        |
| 11CB0552  | 0.1      | 0.1      | 36      | 0.11       | 0.05       | 11       | 13       | 0.31      | 177      | 0.063      | 0.49    | 0.96       | 0.006     | 0.19      | 0.049   | 0.01     | 2.3      | 0.1      | 0.0249    | 6        |
| 11CB0551  | 0.4      | 0.2      | 52      | 0.13       | 0.029      | 12       | 28       | 0.38      | 189      | 0.043      | 0.49    | 1.83       | 0.007     | 0.05      | 0.2     | 0.04     | 3.4      | 0.049    | 0.0249    | 5        |
| 11CB0550  | 0.4      | 0.2      | 58      | 0.23       | 0.024      | 12       | 35       | 0.54      | 276      | 0.052      | 0.49    | 1.75       | 0.009     | 0.05      | 0.1     | 0.03     | 4        | 0.049    | 0.0249    | 5        |
| 11CB0549  | 0.3      | 0.2      | 66      | 0.18       | 0.034      | 10       | 32       | 0.44      | 206      | 0.033      | 0.49    | 1.8        | 0.008     | 0.04      | 0.1     | 0.01     | 3.2      | 0.049    | 0.0249    | 6        |
| 11CB0548  | 0.4      | 0.1      | 57      | 0.15       | 0.024      | 8        | 33       | 0.46      | 215      | 0.052      | 0.49    | 1.87       | 0.007     | 0.04      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 5        |
| 11CB0547  | 0.2      | 0.2      | 47      | 0.17       | 0.037      | 11       | 21       | 0.3       | 246      | 0.06       | 0.49    | 1.05       | 0.008     | 0.07      | 0.1     | 0.0049   | 2.2      | 0.049    | 0.0249    | 5        |
| 11CB0546  | 0.3      | 0.1      | 55      | 0.41       | 0.031      | 12       | 28       | 0.43      | 283      | 0.055      | 1       | 1.56       | 0.009     | 0.07      | 0.1     | 0.02     | 2.6      | 0.049    | 0.0249    | 5        |
| 11CB0545  | 0.1      | 0.049    | 79      | 0.59       | 0.159      | 9        | 13       | 0.8       | 293      | 0.071      | 0.49    | 1.95       | 0.018     | 0.27      | 0.049   | 0.01     | 5.5      | 0.1      | 0.0249    | 6        |
| 11CB0544  | 0.4      | 0.1      | 52      | 0.22       | 0.035      | 13       | 35       | 0.51      | 231      | 0.048      | 2       | 1.76       | 0.009     | 0.05      | 0.1     | 0.03     | 3.7      | 0.049    | 0.0249    | 5        |
| 11CB0543  | 0.3      | 0.2      | 56      | 0.16       | 0.049      | 15       | 27       | 0.35      | 215      | 0.042      | 2       | 1.81       | 0.006     | 0.07      | 0.1     | 0.01     | 2.7      | 0.049    | 0.0249    | 6        |
| 11CB0542  | 0.4      | 0.1      | 50      | 0.22       | 0.021      | 23       | 37       | 0.46      | 364      | 0.063      | 2       | 1.76       | 0.008     | 0.06      | 0.1     | 0.02     | 4.6      | 0.049    | 0.0249    | 5        |
| 11CB0540  | 0.3      | 0.1      | 35      | 0.27       | 0.043      | 28       | 21       | 0.35      | 515      | 0.024      | 3       | 1.23       | 0.008     | 0.08      | 0.049   | 0.03     | 3.5      | 0.049    | 0.0249    | 4        |
| 11CB0539  | 0.3      | 0.2      | 91      | 0.65       | 0.07       | 13       | 24       | 1.04      | 516      | 0.128      | 0.49    | 2.1        | 0.013     | 0.49      | 0.1     | 0.02     | 7        | 0.3      | 0.0249    | 7        |
| 11CB0538  | 0.1      | 0.049    | 60      | 0.47       | 0.059      | 11       | 15       | 0.65      | 266      | 0.107      | 0.49    | 1.75       | 0.013     | 0.15      | 0.049   | 0.04     | 3        | 0.2      | 0.0249    | 6        |
| 11CB0537  | 0.1      | 0.049    | 79      | 0.35       | 0.089      | 7        | 12       | 0.88      | 192      | 0.163      | 0.49    | 2.25       | 0.018     | 0.58      | 0.049   | 0.0049   | 3.3      | 0.5      | 0.0249    | 7        |
| 11CB0536  | 0.1      | 0.2      | 48      | 0.25       | 0.042      | 8        | 17       | 0.5       | 146      | 0.072      | 0.49    | 1.28       | 0.01      | 0.1       | 0.1     | 0.04     | 2.4      | 0.1      | 0.0249    | 6        |
| 11CB0535  | 0.1      | 0.1      | 37      | 0.23       | 0.05       | 9        | 18       | 0.45      | 135      | 0.058      | 1       | 1.3        | 0.012     | 0.09      | 0.049   | 0.05     | 2        | 0.1      | 0.0249    | 5        |
| 11CB0534  | 0.2      | 0.049    | 42      | 1.22       | 0.065      | 12       | 21       | 0.67      | 261      | 0.117      | 4       | 1.75       | 0.025     | 0.16      | 0.2     | 0.03     | 2.6      | 0.2      | 0.1       | 6        |
| 11CB0533  | 0.2      | 0.1      | 49      | 0.27       | 0.053      | 21       | 24       | 0.61      | 214      | 0.085      | 0.49    | 1.79       | 0.008     | 0.26      | 0.1     | 0.03     | 3.8      | 0.2      | 0.0249    | 6        |
| 11CB0532  | 0.2      | 0.1      | 82      | 0.32       | 0.038      | 22       | 25       | 0.95      | 257      | 0.148      | 1       | 1.99       | 0.012     | 0.41      | 0.1     | 0.02     | 4.4      | 0.2      | 0.0249    | 7        |
| 11CB0531  | 0.1      | 0.049    | 64      | 0.4        | 0.047      | 11       | 37       | 0.97      | 220      | 0.112      | 1       | 2.14       | 0.015     | 0.2       | 0.049   | 0.03     | 3.7      | 0.2      | 0.0249    | 6        |
| 11CB0530  | 0.1      | 0.049    | 49      | 0.29       | 0.09       | 8        | 13       | 1.18      | 211      | 0.173      | 0.49    | 2.71       | 0.01      | 0.63      | 0.049   | 0.01     | 4.6      | 0.5      | 0.0249    | 8        |
| 11CB0529  | 0.2      | 0.1      | 71      | 0.33       | 0.04       | 10       | 61       | 0.93      | 166      | 0.114      | 1       | 1.99       | 0.017     | 0.08      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 7        |
| 11CB0528  | 0.2      | 0.049    | 54      | 0.39       | 0.091      | 13       | 15       | 0.62      | 217      | 0.095      | 0.49    | 1.65       | 0.023     | 0.22      | 0.049   | 0.04     | 3        | 0.2      | 0.08      | 5        |
| 11CB0527  | 0.2      | 0.049    | 57      | 0.72       | 0.096      | 11       | 15       | 0.66      | 318      | 0.098      | 1       | 1.67       | 0.015     | 0.14      | 0.1     | 0.04     | 3.4      | 0.1      | 0.0249    | 6        |
| 11CB0526  | 0.4      | 0.2      | 50      | 0.36       | 0.036      | 21       | 28       | 0.5       | 635      | 0.05       | 0.49    | 1.56       | 0.011     | 0.08      | 0.1     | 0.02     | 3.1      | 0.049    | 0.0249    | 5        |
| 11CB0525  | 0.5      | 0.2      | 64      | 0.29       | 0.023      | 10       | 34       | 0.72      | 296      | 0.079      | 1       | 2.24       | 0.011     | 0.08      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0524  | 0.4      | 0.2      | 64      | 0.18       | 0.036      | 21       | 37       | 0.55      | 275      | 0.061      | 1       | 2.29       | 0.009     | 0.11      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 8        |
| 11CB0523  | 0.2      | 0.2      | 51      | 0.25       | 0.068      | 18       | 24       | 0.51      | 298      | 0.071      | 0.49    | 1.79       | 0.009     | 0.15      | 0.1     | 0.02     | 3.1      | 0.1      | 0.0249    | 7        |
| 11CB0522  | 0.3      | 0.2      | 54      | 0.24       | 0.043      | 15       | 27       | 0.56      | 188      | 0.074      | 0.49    | 1.85       | 0.009     | 0.18      | 0.2     | 0.01     | 3.6      | 0.2      | 0.0249    | 7        |
| 11CB0520  | 0.5      | 0.2      | 50      | 0.68       | 0.063      | 34       | 35       | 0.49      | 687      | 0.043      | 2       | 2.09       | 0.013     | 0.08      | 0.2     | 0.07     | 5.1      | 0.1      | 0.0249    | 6        |
| 11CB0519  | 0.2      | 0.2      | 45      | 0.41       | 0.037      | 33       | 31       | 0.46      | 590      | 0.057      | 0.49    | 1.57       | 0.011     | 0.1       | 0.1     | 0.04     | 4.5      | 0.049    | 0.0249    | 5        |
| 11CB0518  | 0.4      | 0.2      | 62      | 0.24       | 0.032      | 23       | 46       | 0.61      | 349      | 0.065      | 0.49    | 2.05       | 0.01      | 0.06      | 0.1     | 0.03     | 5.6      | 0.049    | 0.0249    | 6        |
| 11CB0517  | 0.4      | 0.2      | 71      | 0.16       | 0.042      | 23       | 68       | 0.7       | 323      | 0.045      | 0.49    | 2.53       | 0.008     | 0.05      | 0.1     | 0.03     | 5.4      | 0.1      | 0.0249    | 7        |
| 11CB0516  | 0.4      | 0.1      | 49      | 0.15       | 0.023      | 20       | 26       | 0.41      | 224      | 0.021      | 0.49    | 2.25       | 0.009     | 0.11      | 0.049   | 0.02     | 3.4      | 0.1      | 0.0249    | 6        |
| 11CB0515  | 0.4      | 0.2      | 70      | 0.1        | 0.027      | 11       | 34       | 0.43      | 186      | 0.042      | 0.49    | 2.35       | 0.007     | 0.07      | 0.1     | 0.03     | 3.3      | 0.2      | 0.0249    | 9        |
| 11CB0514  | 0.4      | 0.2      | 52      | 0.16       | 0.017      | 23       | 31       | 0.48      | 300      | 0.044      | 0.49    | 2.12       | 0.009     | 0.06      | 0.049   | 0.03     | 4.3      | 0.1      | 0.0249    | 6        |
| 11CB0513  | 0.4      | 0.1      | 45      | 0.63       | 0.069      | 25       | 27       | 0.46      | 471      | 0.027      | 1       | 1.47       | 0.013     | 0.06      | 0.1     | 0.07     | 4.9      | 0.049    | 0.0249    | 4        |
| 11CB0512  | 0.4      | 0.2      | 72      | 0.14       | 0.031      | 16       | 44       | 0.58      | 352      | 0.064      | 0.49    | 2.08       | 0.008     | 0.06      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 7        |
| 11CB0511  | 0.4      | 0.1      | 54      | 0.49       | 0.058      | 29       | 31       | 0.54      | 513      | 0.027      | 0.49    | 1.73       | 0.012     | 0.06      | 0.1     | 0.06     | 6        | 0.049    | 0.0249    | 5        |
| 11CB0510  | 0.4      | 0.2      | 60      | 0.33       | 0.038      | 20       | 32       | 0.63      | 249      | 0.047      | 2       | 2.02       | 0.012     | 0.05      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 6        |
| 11CB0509  | 0.3      | 0.1      | 45      | 0.61       | 0.062      | 26       | 23       | 0.51      | 314      | 0.046      | 2       | 1.54       | 0.013     | 0.08      | 0.1     | 0.05     | 4.1      | 0.049    | 0.0249    | 5        |
| 11CB0508  | 0.3      | 0.1      | 36      | 0.61       | 0.057      | 19       | 29       | 0.47      | 279      | 0.039      | 2       | 1.18       | 0.013     | 0.07      | 0.2     | 0.02     | 3        | 0.049    | 0.0249    | 4        |
| 11CB0507  | 0.3      | 0.1      | 38      | 0.71       | 0.041      | 27       | 34       | 0.52      | 394      | 0.038      | 1       | 1.43       | 0.014     | 0.05      | 0.049   | 0.05     | 4.1      | 0.049    | 0.06      | 4        |
| 11CB0506  | 0.5      | 0.1      | 52      | 0.42       | 0.035      | 15       | 56       | 0.74      | 424      | 0.035      | 1       | 1.75       | 0.014     | 0.05      | 0.1     | 0.04     | 4.4      | 0.049    | 0.0249    | 5        |
| 11CB0505  | 0.3      | 0.2      | 73      | 0.18       | 0.041      | 9        | 54       | 0.7       | 227      | 0.068      | 2       | 2.46       | 0.011     | 0.06      | 0.1     | 0.03     | 3.1      | 0.1      | 0.0249    | 7        |
| 11CB0504  | 0.3      | 0.2      | 58      | 0.13       | 0.029      | 16       | 32       | 0.32      | 383      | 0.031      | 1       | 1.85       | 0.007     | 0.04      | 0.1     | 0.03     | 3.6      | 0.049    | 0.0249    | 6        |
| 11CB0503  | 0.4      | 0.2      | 68      | 0.1        | 0.028      | 11       | 40       | 0.44      | 169      | 0.068      | 0.49    | 1.86       | 0.008     | 0.05      | 0.1     | 0.02     | 2.9      | 0.1      | 0.0249    | 8        |
| 11CB0502  | 0.5      | 0.2      | 68      | 0.17       | 0.038      | 16       | 50       | 0.56      | 246      | 0.061      | 0.49    | 2.45       | 0.01      | 0.07      | 0.1     | 0.02     | 3.7      | 0.1      | 0.0249    | 7        |
| 11CB0500  | 0.3      | 0.1      | 54      | 0.31       | 0.032      | 20       | 32       | 0.59      | 263      | 0.074      | 0.49    | 1.79       | 0.011     | 0.06      | 0.1     | 0.01     | 3.7      | 0.049    | 0.0249    | 5        |
| 11CB0499  | 0.4      | 0.1      | 55      | 0.39       | 0.042      | 33       | 33       | 0.58      | 363      | 0.086      | 0.49    | 1.63       | 0.016     | 0.07      | 0.1     | 0.03     | 5        | 0.049    | 0.0249    | 5        |
| 11CB0498  | 0.4      | 0.2      | 69      | 0.18       | 0.029      | 19       | 45       | 0.57      | 219      | 0.081      | 1       | 2.42       | 0.01      | 0.07      | 0.1     | 0.01     | 3.8      | 0.1      | 0.0249    | 7        |
| 11CB0497  | 0.4      | 0.2      | 66      | 0.1        | 0.093      | 11       | 30       | 0.36      | 168      | 0.061      | 0.49    | 2.15       | 0.008     | 0.09      | 0.1     | 0.02     | 2.8      | 0.1      | 0.0249    | 8        |
| 11CB0496  | 0.4      | 0.1      | 59      | 0.22       | 0.037      | 28       | 32       | 0.59      | 214      | 0.08       | 2       | 2          | 0.011     | 0.08      | 0.1     | 0.03     | 4.4      | 0.1      | 0.0249    | 6        |
| 11CB0495  | 0.5      | 0.2      | 71      | 0.18       | 0.029      | 12       | 33       | 0.54      | 216      | 0.074      | 0.49    | 2.35       | 0.011     | 0.07      | 0.1     | 0.02     | 3.8      | 0.1      | 0.0249    | 7        |
| 11CB0494  | 0.4      | 0.1      | 56      | 0.12       | 0.029      | 13       | 26       | 0.36      | 248      | 0.038      | 0.49    | 2.21       | 0.008     | 0.08      | 0.049   | 0.03     | 3.3      | 0.1      | 0.0249    | 7        |
| 11CB0493  | 0.4      | 0.2      | 62      | 0.17       | 0.024      | 17       | 34       | 0.51      | 221      | 0.069      | 0.49    | 2.2        | 0.008     | 0.07      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 7        |
| 11CB0492  | 0.4      | 0.2      | 70      | 0.16       | 0.027      | 13       | 37       | 0.49      | 256      | 0.069      | 2       | 2.23       | 0.01      | 0.05      | 0.1     | 0.04     | 3.4      | 0.1      | 0.0249    | 8        |
| 11CB0491  | 0.4      | 0.2      | 64      | 0.46       | 0.057      | 19       | 36       | 0.53      | 435      | 0.032      | 0.49    | 2.04       | 0.014     | 0.07      | 0.049   | 0.03     | 7        | 0.1      | 0.0249    | 6        |
| 11CB0490  | 0.2      | 0.1      | 60      | 0.53       | 0.053      | 11       | 34       | 0.81      | 259      | 0.067      | 0.49    | 2          | 0.022     | 0.05      | 0.049   | 0.03     | 4.6      | 0.049    | 0.0249    | 5        |
| 11CB0489  | 0.2      | 0.1      | 50      | 0.71       | 0.051      | 10       | 30       | 0.63      | 247      | 0.063      | 0.49    | 1.5        | 0.019     | 0.05      | 0.049   | 0.05     | 3.4      | 0.049    | 0.06      | 5        |
| 11CB0488  | 0.3      | 0.1      | 61      | 0.42       | 0.065      | 12       | 36       | 0.74      | 189      | 0.085      | 2       | 1.83       | 0.019     | 0.06      | 0.1     | 0.03     | 3.9      | 0.1      | 0.0249    | 6        |
| 11CB0487  | 0.2      | 0.1      | 59      | 0.52       | 0.052      | 13       | 31       | 0.64      | 261      | 0.072      | 2       | 1.8        | 0.014     | 0.06      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 7        |
| 11CB0486  | 0.2      | 0.1      | 49      | 0.48       | 0.056      | 13       | 31       | 0.62      | 208      | 0.077      | 3       | 1.74       | 0.017     | 0.07      | 0.1     | 0.0049   | 3.8      | 0.1      | 0.0249    | 6        |
| 11CB0485  | 0.2      | 0.1      | 56      | 0.51       | 0.064      | 11       | 29       | 0.6       | 257      | 0.051      | 3       | 1.68       | 0.02      | 0.04      | 0.1     | 0.04     | 4        | 0.049    | 0.0249    | 5        |
| 11CB0484  | 0.3      | 0.1      | 60      | 0.41       | 0.072      | 13       | 34       | 0.65      | 347      | 0.056      | 2       | 1.88       | 0.017     | 0.05      | 0.1     | 0.05     | 4.7      | 0.1      | 0.0249    | 6        |
| 11CB0483  | 0.4      | 0.2      | 49      | 0.33       | 0.1        | 23       | 46       | 0.54      | 316      | 0.049      | 2       | 1.74       | 0.011     | 0.08      | 0.049   | 0.05     | 4        | 0.1      | 0.0249    | 6        |
| 11CB0482  | 0.3      | 0.2      | 40      | 0.26       | 0.076      | 21       | 33       | 0.44      | 308      | 0.046      | 2       | 1.54       | 0.01      | 0.1       | 0.1     | 0.03     | 2.9      | 0.1      | 0.0249    | 4        |
| 11CB0480  | 0.4      | 0.2      | 54      | 0.33       | 0.047      | 29       | 39       | 0.54      | 555      | 0.064      | 1       | 1.98       | 0.011     | 0.07      | 0.1     | 0.04     | 5        | 0.049    | 0.0249    | 5        |
| 11CB0479  | 0.4      | 0.2      | 50      | 0.25       | 0.02       | 20       | 31       | 0.47      | 603      | 0.05       | 2       | 1.68       | 0.012     | 0.06      | 0.1     | 0.02     | 5.2      | 0.049    | 0.0249    | 4        |
| 11CB0478  | 0.4      | 0.1      | 54      | 0.12       | 0.031      | 12       | 17       | 0.25      | 152      | 0.026      | 2       | 1.87       | 0.007     | 0.09      | 0.049   | 0.0049   | 3.4      | 0.1      | 0.0249    | 7        |
| 11CB0477  | 0.4      | 0.2      | 65      | 0.18       | 0.035      | 16       | 42       | 0.59      | 229      | 0.069      | 3       | 2.17       | 0.009     | 0.07      | 0.049   | 0.02     | 4.2      | 0.1      | 0.0249    | 6        |
| 11CB0476  | 0.3      | 0.1      | 60      | 0.32       | 0.032      | 45       | 32       | 0.58      | 540      | 0.062      | 2       | 1.94       | 0.013     | 0.08      | 0.1     | 0.03     | 4.9      | 0.049    | 0.0249    | 6        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0475  | 0.5      | 0.3      | 49      | 0.33       | 0.047      | 20       | 27       | 0.51      | 550      | 0.041      | 3       | 1.65       | 0.012     | 0.12      | 0.049   | 0.03     | 3.3      | 0.049    | 0.0249    | 5        |
| 11CB0474  | 0.5      | 0.3      | 64      | 0.53       | 0.059      | 20       | 27       | 0.75      | 462      | 0.084      | 3       | 1.95       | 0.014     | 0.1       | 0.1     | 0.02     | 5.3      | 0.1      | 0.0249    | 6        |
| 11CB0473  | 0.3      | 0.1      | 88      | 0.71       | 0.07       | 10       | 54       | 1.23      | 287      | 0.147      | 3       | 2.27       | 0.02      | 0.14      | 0.049   | 0.01     | 4.6      | 0.1      | 0.0249    | 8        |
| 11CB0472  | 0.3      | 0.1      | 94      | 0.21       | 0.047      | 6        | 71       | 1.05      | 195      | 0.143      | 3       | 2.62       | 0.015     | 0.23      | 0.2     | 0.02     | 3.5      | 0.2      | 0.0249    | 8        |
| 11CB0471  | 0.3      | 0.1      | 66      | 0.39       | 0.028      | 14       | 32       | 0.85      | 221      | 0.106      | 3       | 2.1        | 0.017     | 0.1       | 0.049   | 0.01     | 4.1      | 0.1      | 0.0249    | 6        |
| 11CB0470  | 0.3      | 0.2      | 81      | 0.31       | 0.031      | 13       | 34       | 0.95      | 304      | 0.122      | 3       | 1.95       | 0.012     | 0.21      | 0.1     | 0.02     | 4.5      | 0.1      | 0.0249    | 8        |
| 11CB0469  | 0.2      | 0.1      | 72      | 0.47       | 0.037      | 17       | 29       | 0.86      | 294      | 0.145      | 4       | 1.97       | 0.014     | 0.26      | 0.2     | 0.01     | 4.3      | 0.2      | 0.0249    | 7        |
| 11CB0468  | 0.3      | 0.2      | 65      | 0.23       | 0.038      | 13       | 24       | 0.5       | 218      | 0.094      | 4       | 1.56       | 0.009     | 0.17      | 0.1     | 0.03     | 2.9      | 0.2      | 0.0249    | 7        |
| 11CB0366  | 0.5      | 0.1      | 40      | 0.39       | 0.097      | 22       | 59       | 0.66      | 118      | 0.045      | 0.49    | 2.53       | 0.008     | 0.04      | 0.049   | 0.01     | 4.6      | 0.049    | 0.0249    | 7        |
| 11CB0365  | 0.4      | 0.1      | 55      | 0.24       | 0.033      | 11       | 48       | 0.66      | 246      | 0.067      | 0.49    | 1.79       | 0.012     | 0.14      | 0.049   | 0.02     | 3.7      | 0.049    | 0.0249    | 6        |
| 11CB0364  | 0.4      | 0.1      | 44      | 0.22       | 0.044      | 19       | 21       | 0.39      | 307      | 0.045      | 0.49    | 1.37       | 0.016     | 0.16      | 0.049   | 0.02     | 2.2      | 0.049    | 0.08      | 5        |
| 11CB0363  | 0.3      | 0.2      | 17      | 0.07       | 0.034      | 23       | 11       | 0.16      | 154      | 0.029      | 0.49    | 1.05       | 0.052     | 0.12      | 0.049   | 0.02     | 1.8      | 0.049    | 0.29      | 3        |
| 11CB0362  | 0.4      | 0.2      | 42      | 0.14       | 0.017      | 14       | 26       | 0.43      | 145      | 0.054      | 0.49    | 1.63       | 0.012     | 0.07      | 0.049   | 0.02     | 3.3      | 0.049    | 0.06      | 4        |
| 11CB0360  | 0.2      | 0.049    | 63      | 0.84       | 0.074      | 13       | 22       | 0.96      | 360      | 0.179      | 1       | 1.81       | 0.018     | 0.65      | 0.1     | 0.03     | 5.7      | 0.2      | 0.0249    | 7        |
| 11CB0359  | 0.3      | 0.1      | 55      | 0.26       | 0.033      | 6        | 23       | 0.76      | 283      | 0.163      | 1       | 1.69       | 0.01      | 0.48      | 0.1     | 0.0049   | 3.9      | 0.2      | 0.0249    | 6        |
| 11CB0358  | 0.3      | 0.2      | 45      | 0.25       | 0.018      | 9        | 22       | 0.73      | 295      | 0.165      | 0.49    | 1.96       | 0.009     | 0.48      | 0.049   | 0.01     | 6        | 0.2      | 0.0249    | 7        |
| 11CB0357  | 0.1      | 0.049    | 99      | 0.49       | 0.075      | 7        | 59       | 2.37      | 289      | 0.197      | 1       | 2.79       | 0.023     | 0.71      | 0.049   | 0.0049   | 5.5      | 0.2      | 0.0249    | 7        |
| 11CB0356  | 0.5      | 0.4      | 37      | 0.09       | 0.027      | 18       | 24       | 0.35      | 150      | 0.036      | 1       | 1.53       | 0.033     | 0.08      | 0.1     | 0.0049   | 1.9      | 0.049    | 0.15      | 4        |
| 11CB0355  | 0.5      | 0.2      | 52      | 0.14       | 0.02       | 12       | 31       | 0.39      | 154      | 0.06       | 2       | 1.66       | 0.057     | 0.08      | 0.049   | 0.0049   | 2.3      | 0.049    | 0.0249    | 5        |
| 11CB0354  | 0.3      | 0.2      | 28      | 0.12       | 0.059      | 65       | 21       | 0.27      | 365      | 0.03       | 1       | 1.32       | 0.143     | 0.12      | 0.049   | 0.0049   | 2.1      | 0.049    | 0.51      | 4        |
| 11CB0353  | 0.2      | 0.2      | 39      | 0.19       | 0.033      | 11       | 23       | 0.34      | 142      | 0.073      | 0.49    | 1.5        | 0.011     | 0.08      | 0.049   | 0.02     | 2.1      | 0.1      | 0.0249    | 6        |
| 11CB0352  | 0.3      | 0.049    | 119     | 0.48       | 0.128      | 5        | 23       | 0.97      | 181      | 0.167      | 0.49    | 2.71       | 0.018     | 0.47      | 0.1     | 0.01     | 5        | 0.3      | 0.0249    | 9        |
| 11CB0351  | 0.2      | 0.1      | 60      | 0.48       | 0.12       | 14       | 46       | 0.91      | 185      | 0.121      | 0.49    | 1.71       | 0.014     | 0.47      | 0.049   | 0.02     | 3.9      | 0.3      | 0.11      | 6        |
| 11CB0350  | 0.4      | 0.2      | 35      | 0.23       | 0.072      | 31       | 22       | 0.48      | 183      | 0.069      | 1       | 1.77       | 0.086     | 0.2       | 0.049   | 0.02     | 2.9      | 0.1      | 0.46      | 5        |
| 11CB0349  | 0.4      | 0.6      | 46      | 0.16       | 0.054      | 12       | 17       | 0.33      | 154      | 0.036      | 1       | 1.62       | 0.012     | 0.11      | 0.049   | 0.03     | 1.6      | 0.049    | 0.11      | 5        |
| 11CB0348  | 0.3      | 0.7      | 40      | 0.14       | 0.042      | 15       | 21       | 0.28      | 252      | 0.027      | 0.49    | 1.55       | 0.016     | 0.09      | 0.049   | 0.03     | 2        | 0.049    | 0.0249    | 5        |
| 11CB0347  | 0.5      | 0.1      | 52      | 0.23       | 0.024      | 108      | 37       | 0.63      | 241      | 0.074      | 1       | 2.47       | 0.01      | 0.13      | 0.1     | 0.04     | 4.9      | 0.2      | 0.0249    | 5        |
| 11CB0346  | 0.4      | 0.1      | 86      | 0.37       | 0.085      | 10       | 48       | 1.29      | 281      | 0.15       | 1       | 2.97       | 0.015     | 0.22      | 0.1     | 0.03     | 3.9      | 0.2      | 0.0249    | 7        |
| 11CB0345  | 0.3      | 0.2      | 68      | 0.4        | 0.113      | 13       | 42       | 1.09      | 278      | 0.095      | 1       | 2.11       | 0.013     | 0.35      | 0.049   | 0.0049   | 4.7      | 0.1      | 0.0249    | 8        |
| 11CB0344  | 0.4      | 0.2      | 63      | 0.38       | 0.063      | 9        | 32       | 0.81      | 230      | 0.145      | 1       | 1.93       | 0.017     | 0.46      | 0.1     | 0.02     | 4.7      | 0.3      | 0.0249    | 6        |
| 11CB0343  | 0.3      | 0.1      | 53      | 0.35       | 0.025      | 7        | 19       | 0.66      | 272      | 0.138      | 0.49    | 1.64       | 0.01      | 0.61      | 0.049   | 0.01     | 3.1      | 0.2      | 0.0249    | 6        |
| 11CB0342  | 0.5      | 0.2      | 63      | 0.37       | 0.03       | 13       | 37       | 0.89      | 205      | 0.134      | 0.49    | 2.15       | 0.012     | 0.28      | 0.2     | 0.0049   | 4.2      | 0.1      | 0.0249    | 6        |
| 11CB0340  | 0.3      | 0.4      | 47      | 0.18       | 0.041      | 14       | 23       | 0.42      | 264      | 0.047      | 0.49    | 1.59       | 0.012     | 0.11      | 0.1     | 0.09     | 2.3      | 0.049    | 0.0249    | 6        |
| 11CB0339  | 0.4      | 0.2      | 37      | 0.21       | 0.039      | 21       | 23       | 0.49      | 258      | 0.059      | 0.49    | 1.36       | 0.021     | 0.13      | 0.1     | 0.02     | 2.5      | 0.049    | 0.09      | 4        |
| 11CB0338  | 0.4      | 0.1      | 43      | 0.23       | 0.027      | 24       | 23       | 0.56      | 154      | 0.12       | 0.49    | 1.52       | 0.01      | 0.29      | 0.1     | 0.01     | 2.3      | 0.2      | 0.0249    | 5        |
| 11CB0337  | 0.3      | 0.2      | 48      | 0.48       | 0.036      | 29       | 41       | 0.81      | 189      | 0.081      | 1       | 1.69       | 0.012     | 0.27      | 0.049   | 0.04     | 4.3      | 0.3      | 0.0249    | 5        |
| 11CB0336  | 0.2      | 0.1      | 38      | 0.24       | 0.059      | 11       | 15       | 0.7       | 181      | 0.155      | 0.49    | 1.62       | 0.008     | 0.59      | 0.049   | 0.01     | 1.5      | 0.4      | 0.0249    | 6        |
| 11CB0335  | 0.2      | 0.8      | 32      | 0.15       | 0.044      | 23       | 16       | 0.33      | 178      | 0.047      | 0.49    | 1.31       | 0.023     | 0.12      | 0.049   | 0.03     | 2.1      | 0.049    | 0.1       | 4        |
| 11CB0334  | 0.3      | 0.8      | 27      | 0.12       | 0.047      | 21       | 11       | 0.24      | 148      | 0.042      | 0.49    | 1.07       | 0.029     | 0.11      | 0.049   | 0.02     | 1.5      | 0.049    | 0.15      | 3        |
| 11CB0333  | 0.3      | 1        | 29      | 0.17       | 0.031      | 20       | 13       | 0.32      | 228      | 0.049      | 0.49    | 1.09       | 0.028     | 0.09      | 0.049   | 0.02     | 2.2      | 0.049    | 0.1       | 3        |
| 11CB0332  | 0.2      | 0.3      | 37      | 0.19       | 0.037      | 17       | 15       | 0.4       | 165      | 0.067      | 1       | 1.32       | 0.018     | 0.13      | 0.049   | 0.03     | 2.2      | 0.1      | 0.08      | 4        |
| 11CB0331  | 0.2      | 0.4      | 19      | 0.28       | 0.057      | 41       | 10       | 0.26      | 284      | 0.053      | 0.49    | 1.23       | 0.037     | 0.14      | 0.049   | 0.02     | 2.9      | 0.049    | 0.21      | 3        |
| 11CB0330  | 0.4      | 0.1      | 55      | 0.29       | 0.032      | 21       | 33       | 0.56      | 285      | 0.08       | 0.49    | 1.5        | 0.015     | 0.13      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 5        |
| 11CB0329  | 0.5      | 0.2      | 53      | 0.32       | 0.051      | 21       | 45       | 0.73      | 430      | 0.068      | 1       | 1.87       | 0.009     | 0.2       | 0.1     | 0.02     | 4        | 0.1      | 0.0249    | 6        |
| 11CB0328  | 0.4      | 0.2      | 54      | 0.19       | 0.035      | 7        | 25       | 0.7       | 275      | 0.109      | 1       | 2.06       | 0.009     | 0.29      | 0.1     | 0.02     | 2.1      | 0.2      | 0.0249    | 6        |
| 11CB0327  | 0.4      | 0.8      | 47      | 0.42       | 0.028      | 27       | 25       | 0.46      | 235      | 0.043      | 1       | 1.53       | 0.014     | 0.23      | 0.2     | 0.02     | 4.1      | 0.1      | 0.0249    | 4        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0326  | 3        | 3        | 42      | 0.42       | 0.084      | 27       | 14       | 0.59      | 245      | 0.077      | 1       | 1.58       | 0.01      | 0.37      | 0.049   | 0.03     | 5.8      | 0.4      | 0.0249    | 5        |
| 11CB0325  | 0.3      | 0.4      | 30      | 0.35       | 0.04       | 30       | 15       | 0.31      | 261      | 0.025      | 0.49    | 1.16       | 0.012     | 0.11      | 0.049   | 0.03     | 2.9      | 0.049    | 0.0249    | 3        |
| 11CB0324  | 0.3      | 0.1      | 63      | 0.57       | 0.078      | 20       | 23       | 0.83      | 293      | 0.124      | 0.49    | 1.86       | 0.014     | 0.3       | 0.1     | 0.02     | 5.4      | 0.1      | 0.0249    | 6        |
| 11CB0323  | 0.2      | 0.1      | 65      | 0.42       | 0.079      | 10       | 16       | 0.77      | 307      | 0.14       | 0.49    | 1.74       | 0.01      | 0.29      | 0.2     | 0.02     | 4.3      | 0.1      | 0.0249    | 7        |
| 11CB0322  | 0.1      | 0.049    | 81      | 0.57       | 0.106      | 9        | 35       | 1.52      | 419      | 0.18       | 0.49    | 2.35       | 0.013     | 0.42      | 0.2     | 0.01     | 3.2      | 0.2      | 0.0249    | 6        |
| 11CB0320  | 0.1      | 0.049    | 65      | 0.55       | 0.113      | 8        | 25       | 1.24      | 240      | 0.154      | 1       | 2.05       | 0.013     | 0.37      | 0.049   | 0.02     | 3.8      | 0.1      | 0.0249    | 6        |
| 11CB0319  | 0.1      | 0.049    | 69      | 0.56       | 0.112      | 8        | 26       | 1.25      | 234      | 0.157      | 0.49    | 2.02       | 0.013     | 0.36      | 0.1     | 0.02     | 4        | 0.1      | 0.0249    | 6        |
| 11CB0318  | 0.3      | 0.2      | 34      | 0.31       | 0.056      | 23       | 16       | 0.38      | 296      | 0.039      | 0.49    | 1.65       | 0.01      | 0.19      | 0.049   | 0.03     | 2.5      | 0.1      | 0.0249    | 6        |
| 11CB0317  | 0.3      | 0.2      | 31      | 0.29       | 0.047      | 20       | 15       | 0.35      | 249      | 0.034      | 0.49    | 1.35       | 0.009     | 0.18      | 0.049   | 0.02     | 2        | 0.049    | 0.0249    | 5        |
| 11CB0316  | 0.2      | 0.6      | 23      | 0.3        | 0.043      | 25       | 11       | 0.27      | 183      | 0.051      | 0.49    | 1.09       | 0.036     | 0.11      | 0.049   | 0.01     | 1.8      | 0.049    | 0.17      | 3        |
| 11CB0315  | 0.2      | 2.8      | 14      | 0.15       | 0.045      | 37       | 7        | 0.13      | 154      | 0.028      | 0.49    | 0.75       | 0.032     | 0.12      | 0.049   | 0.01     | 1.4      | 0.049    | 0.25      | 2        |
| 11CB0314  | 0.3      | 8.8      | 26      | 0.22       | 0.063      | 38       | 19       | 0.4       | 199      | 0.065      | 0.49    | 1.12       | 0.059     | 0.11      | 0.049   | 0.01     | 2.5      | 0.1      | 0.26      | 3        |
| 11CB0313  | 0.3      | 2.2      | 13      | 0.37       | 0.035      | 45       | 10       | 0.17      | 288      | 0.008      | 1       | 0.89       | 0.019     | 0.08      | 0.1     | 0.04     | 3.4      | 0.049    | 0.07      | 2        |
| 11CB0312  | 0.3      | 0.049    | 40      | 0.38       | 0.03       | 13       | 19       | 0.46      | 445      | 0.052      | 1       | 1.31       | 0.009     | 0.2       | 0.1     | 0.02     | 2.6      | 0.1      | 0.0249    | 5        |
| 11CB0311  | 0.2      | 0.049    | 65      | 0.23       | 0.048      | 5        | 16       | 0.71      | 261      | 0.162      | 0.49    | 1.81       | 0.009     | 0.51      | 0.1     | 0.0049   | 2.1      | 0.2      | 0.0249    | 5        |
| 11CB0310  | 0.2      | 0.1      | 47      | 0.23       | 0.027      | 11       | 15       | 0.76      | 209      | 0.082      | 2       | 1.56       | 0.018     | 0.2       | 0.049   | 0.0049   | 2.4      | 0.049    | 0.08      | 5        |
| 11CB0309  | 0.4      | 0.1      | 59      | 0.45       | 0.024      | 9        | 31       | 0.65      | 333      | 0.074      | 1       | 1.65       | 0.011     | 0.25      | 0.1     | 0.02     | 4.2      | 0.049    | 0.0249    | 5        |
| 11CB0308  | 0.5      | 0.7      | 51      | 0.89       | 0.053      | 30       | 30       | 0.59      | 297      | 0.058      | 2       | 1.57       | 0.013     | 0.12      | 0.2     | 0.04     | 4.2      | 0.049    | 0.0249    | 5        |
| 11CB0307  | 0.2      | 0.9      | 71      | 0.57       | 0.064      | 12       | 35       | 1.24      | 242      | 0.182      | 1       | 2.35       | 0.013     | 0.64      | 0.2     | 0.0049   | 2.8      | 0.3      | 0.0249    | 6        |
| 11CB0306  | 0.5      | 1.5      | 61      | 0.42       | 0.045      | 23       | 54       | 0.78      | 217      | 0.058      | 1       | 1.69       | 0.013     | 0.09      | 0.1     | 0.02     | 4.6      | 0.1      | 0.0249    | 5        |
| 11CB0305  | 0.6      | 1.2      | 62      | 0.14       | 0.034      | 11       | 26       | 0.56      | 171      | 0.065      | 0.49    | 1.92       | 0.012     | 0.17      | 0.1     | 0.0049   | 2.5      | 0.2      | 0.07      | 6        |
| 11CB0304  | 0.4      | 0.049    | 26      | 0.38       | 0.1        | 36       | 21       | 0.68      | 261      | 0.074      | 0.49    | 1.64       | 0.124     | 0.2       | 0.1     | 0.02     | 2.5      | 0.2      | 0.39      | 3        |
| 11CB0303  | 0.4      | 0.2      | 43      | 0.99       | 0.118      | 20       | 24       | 0.57      | 362      | 0.06       | 3       | 1.11       | 0.019     | 0.16      | 0.2     | 0.03     | 3.3      | 0.1      | 0.0249    | 4        |
| 11CB0302  | 0.4      | 0.2      | 60      | 0.98       | 0.043      | 19       | 28       | 0.62      | 210      | 0.057      | 2       | 1.78       | 0.015     | 0.23      | 0.2     | 0.02     | 6        | 0.1      | 0.0249    | 5        |
| 11CB0300  | 0.4      | 0.3      | 43      | 0.35       | 0.03       | 58       | 23       | 0.5       | 185      | 0.069      | 2       | 1.37       | 0.011     | 0.21      | 0.1     | 0.02     | 3.5      | 0.3      | 0.0249    | 4        |
| 11CB0299  | 0.3      | 0.049    | 46      | 5.57       | 0.073      | 37       | 19       | 0.83      | 283      | 0.162      | 2       | 1.48       | 0.019     | 0.4       | 0.1     | 0.03     | 2.3      | 0.4      | 0.05      | 5        |
| 11CB0298  | 0.2      | 0.049    | 41      | 0.25       | 0.019      | 6        | 40       | 1.03      | 108      | 0.12       | 3       | 1.87       | 0.008     | 0.29      | 0.049   | 0.0049   | 1.3      | 0.2      | 0.0249    | 4        |
| 11CB0297  | 0.3      | 0.2      | 54      | 0.16       | 0.037      | 8        | 22       | 0.78      | 219      | 0.173      | 1       | 2.03       | 0.01      | 0.62      | 0.2     | 0.0049   | 1.7      | 0.3      | 0.0249    | 6        |
| 11CB0296  | 0.5      | 0.2      | 60      | 0.17       | 0.023      | 9        | 34       | 0.63      | 225      | 0.107      | 1       | 1.82       | 0.008     | 0.17      | 0.049   | 0.02     | 2.4      | 0.2      | 0.0249    | 5        |
| 11CB0295  | 0.4      | 0.2      | 57      | 0.14       | 0.036      | 7        | 27       | 0.47      | 332      | 0.049      | 0.49    | 1.71       | 0.01      | 0.1       | 0.1     | 0.0049   | 2.2      | 0.049    | 0.0249    | 6        |
| 11CB0294  | 0.4      | 0.3      | 49      | 0.15       | 0.028      | 17       | 27       | 0.46      | 192      | 0.068      | 0.49    | 1.56       | 0.016     | 0.09      | 0.049   | 0.0049   | 2.5      | 0.049    | 0.0249    | 4        |
| 11CB0293  | 0.4      | 8        | 28      | 0.08       | 0.033      | 23       | 16       | 0.22      | 262      | 0.039      | 0.49    | 0.86       | 0.075     | 0.11      | 0.049   | 0.01     | 1.5      | 0.049    | 0.32      | 3        |
| 11CB0292  | 0.6      | 0.2      | 65      | 0.17       | 0.018      | 15       | 38       | 0.6       | 223      | 0.099      | 0.49    | 2.1        | 0.02      | 0.1       | 0.2     | 0.01     | 3.2      | 0.049    | 0.0249    | 6        |
| 11CB0291  | 0.5      | 0.2      | 59      | 0.12       | 0.028      | 11       | 27       | 0.34      | 236      | 0.029      | 0.49    | 2.32       | 0.008     | 0.07      | 0.2     | 0.02     | 2.3      | 0.049    | 0.0249    | 6        |
| 11CB0290  | 0.2      | 0.1      | 30      | 0.2        | 0.051      | 25       | 13       | 0.63      | 158      | 0.119      | 1       | 1.55       | 0.022     | 0.21      | 0.049   | 0.0049   | 1.9      | 0.2      | 0.1       | 4        |
| 11CB0289  | 0.5      | 0.2      | 34      | 0.22       | 0.043      | 19       | 15       | 0.34      | 322      | 0.032      | 1       | 1.18       | 0.016     | 0.13      | 0.049   | 0.01     | 1.7      | 0.049    | 0.06      | 4        |
| 11CB0288  | 0.5      | 0.1      | 53      | 0.25       | 0.03       | 9        | 34       | 0.6       | 371      | 0.084      | 1       | 1.87       | 0.01      | 0.2       | 0.1     | 0.0049   | 2.9      | 0.1      | 0.0249    | 6        |
| 11CB0287  | 0.3      | 3.7      | 14      | 0.17       | 0.033      | 44       | 11       | 0.16      | 263      | 0.009      | 0.49    | 0.81       | 0.008     | 0.11      | 0.049   | 0.02     | 3.7      | 0.049    | 0.0249    | 2        |
| 11CB0286  | 0.4      | 0.049    | 13      | 0.22       | 0.057      | 47       | 6        | 0.32      | 166      | 0.009      | 0.49    | 0.94       | 0.034     | 0.13      | 0.049   | 0.02     | 1.6      | 0.049    | 0.17      | 2        |
| 11CB0285  | 0.2      | 0.2      | 21      | 0.34       | 0.041      | 64       | 12       | 0.35      | 198      | 0.021      | 2       | 1.27       | 0.008     | 0.22      | 0.049   | 0.02     | 3.5      | 0.2      | 0.0249    | 4        |
| 11CB0284  | 0.5      | 0.2      | 62      | 0.48       | 0.04       | 14       | 38       | 0.62      | 226      | 0.071      | 2       | 1.94       | 0.014     | 0.14      | 0.1     | 0.02     | 6.8      | 0.1      | 0.0249    | 6        |
| 11CB0283  | 0.2      | 0.049    | 72      | 0.86       | 0.094      | 8        | 41       | 1.85      | 188      | 0.173      | 2       | 2.45       | 0.015     | 0.42      | 0.049   | 0.01     | 5.7      | 0.049    | 0.0249    | 7        |
| 11CB0282  | 0.3      | 0.049    | 76      | 0.65       | 0.098      | 4        | 62       | 1.74      | 276      | 0.19       | 1       | 2.69       | 0.023     | 0.31      | 0.049   | 0.01     | 3        | 0.049    | 0.0249    | 8        |
| 11CB0281  | 0.2      | 0.049    | 89      | 0.46       | 0.157      | 14       | 21       | 1.01      | 386      | 0.122      | 1       | 2.4        | 0.01      | 0.53      | 0.1     | 0.0049   | 6.3      | 0.1      | 0.0249    | 10       |
| 11CB0280  | 0.2      | 0.1      | 47      | 0.3        | 0.054      | 55       | 36       | 0.81      | 197      | 0.115      | 0.49    | 1.97       | 0.012     | 0.29      | 0.049   | 0.0049   | 2.6      | 0.3      | 0.0249    | 6        |
| 11CB0279  | 0.2      | 0.1      | 47      | 0.31       | 0.074      | 19       | 16       | 0.87      | 361      | 0.134      | 0.49    | 2.14       | 0.01      | 0.59      | 0.1     | 0.01     | 2.3      | 0.3      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0278  | 0.3      | 0.2      | 48      | 0.25       | 0.057      | 16       | 21       | 0.75      | 468      | 0.121      | 1       | 2.05       | 0.016     | 0.36      | 0.049   | 0.0049   | 2.6      | 0.2      | 0.0249    | 6        |
| 11CB0277  | 0.4      | 0.2      | 45      | 0.39       | 0.074      | 15       | 22       | 0.71      | 379      | 0.101      | 1       | 1.9        | 0.014     | 0.23      | 0.1     | 0.0049   | 2.9      | 0.2      | 0.0249    | 6        |
| 11CB0276  | 0.3      | 0.7      | 44      | 0.24       | 0.064      | 18       | 20       | 0.41      | 165      | 0.076      | 1       | 1.49       | 0.018     | 0.09      | 0.2     | 0.02     | 2.2      | 0.1      | 0.07      | 5        |
| 11CB0275  | 0.5      | 0.3      | 53      | 0.55       | 0.085      | 21       | 27       | 0.54      | 255      | 0.089      | 2       | 1.48       | 0.026     | 0.09      | 0.2     | 0.03     | 4        | 0.049    | 0.0249    | 5        |
| 11CB0274  | 0.3      | 0.1      | 20      | 1.1        | 0.076      | 36       | 12       | 0.52      | 302      | 0.042      | 3       | 1.1        | 0.011     | 0.22      | 0.049   | 0.02     | 2.1      | 0.1      | 0.06      | 4        |
| 11CB0273  | 0.3      | 0.1      | 20      | 0.9        | 0.073      | 37       | 13       | 0.54      | 274      | 0.04       | 2       | 1.09       | 0.009     | 0.23      | 0.049   | 0.02     | 2.2      | 0.1      | 0.0249    | 4        |
| 11CB0272  | 0.3      | 0.1      | 39      | 0.29       | 0.023      | 11       | 22       | 0.63      | 365      | 0.042      | 1       | 1.66       | 0.01      | 0.19      | 0.049   | 0.02     | 3        | 0.1      | 0.0249    | 5        |
| 11CB0271  | 0.2      | 0.1      | 50      | 0.22       | 0.015      | 6        | 22       | 0.51      | 203      | 0.063      | 0.49    | 1.64       | 0.01      | 0.17      | 0.049   | 0.0049   | 1.8      | 0.049    | 0.0249    | 5        |
| 11CB0270  | 0.1      | 1.2      | 45      | 0.56       | 0.124      | 29       | 23       | 1.16      | 203      | 0.16       | 1       | 1.86       | 0.008     | 0.85      | 0.049   | 0.01     | 1.9      | 0.6      | 0.0249    | 6        |
| 11CB0269  | 0.3      | 0.049    | 57      | 0.41       | 0.056      | 12       | 29       | 0.89      | 237      | 0.109      | 0.49    | 1.92       | 0.022     | 0.3       | 0.049   | 0.01     | 3.7      | 0.2      | 0.0249    | 5        |
| 11CB0268  | 0.5      | 0.1      | 54      | 0.4        | 0.043      | 49       | 35       | 0.71      | 208      | 0.074      | 0.49    | 1.82       | 0.015     | 0.2       | 0.049   | 0.03     | 5.8      | 0.2      | 0.0249    | 5        |
| 11CB0267  | 0.3      | 0.2      | 45      | 0.22       | 0.036      | 15       | 24       | 0.65      | 169      | 0.095      | 0.49    | 1.69       | 0.017     | 0.26      | 0.049   | 0.0049   | 2.2      | 0.2      | 0.0249    | 5        |
| 11CB0266  | 0.1      | 0.049    | 88      | 0.36       | 0.056      | 7        | 29       | 1.93      | 470      | 0.249      | 0.49    | 2.86       | 0.018     | 1.03      | 0.049   | 0.0049   | 5.4      | 0.3      | 0.0249    | 11       |
| 11CB0265  | 0.2      | 0.1      | 82      | 0.37       | 0.055      | 15       | 53       | 1.28      | 218      | 0.173      | 0.49    | 2.4        | 0.019     | 0.32      | 0.049   | 0.01     | 4.5      | 0.2      | 0.0249    | 7        |
| 11CB0264  | 0.3      | 0.1      | 62      | 0.53       | 0.081      | 14       | 24       | 0.93      | 260      | 0.154      | 0.49    | 1.97       | 0.019     | 0.28      | 0.049   | 0.0049   | 2.5      | 0.049    | 0.0249    | 6        |
| 11CB0263  | 0.2      | 0.1      | 65      | 0.51       | 0.069      | 11       | 19       | 1.04      | 334      | 0.2        | 0.49    | 2.02       | 0.017     | 0.48      | 0.2     | 0.0049   | 2.8      | 0.2      | 0.0249    | 7        |
| 11CB0262  | 0.2      | 2.2      | 31      | 0.36       | 0.051      | 33       | 13       | 0.48      | 250      | 0.086      | 0.49    | 1.75       | 0.023     | 0.31      | 0.049   | 0.0049   | 2.3      | 0.2      | 0.0249    | 5        |
| 11CB0261  | 0.2      | 2.1      | 33      | 0.37       | 0.053      | 33       | 13       | 0.51      | 248      | 0.09       | 0.49    | 1.82       | 0.023     | 0.31      | 0.049   | 0.0049   | 2.5      | 0.2      | 0.06      | 5        |
| 11CB0259  | 0.4      | 1.8      | 35      | 0.17       | 0.026      | 26       | 21       | 0.36      | 166      | 0.063      | 0.49    | 1.26       | 0.035     | 0.1       | 0.049   | 0.01     | 2.6      | 0.049    | 0.09      | 4        |
| 11CB0258  | 0.3      | 0.5      | 28      | 0.23       | 0.043      | 20       | 15       | 0.55      | 155      | 0.133      | 0.49    | 1.72       | 0.024     | 0.17      | 0.049   | 0.02     | 1.8      | 0.2      | 0.13      | 5        |
| 11CB0257  | 0.2      | 0.2      | 55      | 0.35       | 0.077      | 21       | 18       | 1.06      | 341      | 0.176      | 0.49    | 1.96       | 0.032     | 0.62      | 0.1     | 0.0049   | 2.4      | 0.4      | 0.13      | 5        |
| 11CB0256  | 0.3      | 0.2      | 53      | 0.35       | 0.041      | 20       | 31       | 0.63      | 315      | 0.108      | 1       | 1.77       | 0.021     | 0.18      | 0.1     | 0.02     | 3.5      | 0.1      | 0.0249    | 6        |
| 11CB0255  | 0.4      | 0.2      | 61      | 0.31       | 0.031      | 11       | 34       | 0.62      | 224      | 0.125      | 1       | 1.99       | 0.014     | 0.19      | 0.1     | 0.0049   | 2.7      | 0.1      | 0.0249    | 6        |
| 11CB0253  | 0.2      | 0.049    | 86      | 0.35       | 0.057      | 11       | 63       | 1.3       | 390      | 0.12       | 1       | 2.18       | 0.013     | 0.12      | 0.049   | 0.0049   | 4.8      | 0.1      | 0.0249    | 8        |
| 11CB0252  | 0.3      | 0.1      | 82      | 0.33       | 0.04       | 11       | 60       | 1.13      | 368      | 0.099      | 1       | 2.03       | 0.013     | 0.09      | 0.049   | 0.03     | 4.1      | 0.1      | 0.0249    | 7        |
| 11CB0251  | 0.3      | 0.2      | 69      | 0.17       | 0.028      | 10       | 33       | 0.57      | 291      | 0.057      | 0.49    | 1.9        | 0.009     | 0.07      | 0.049   | 0.02     | 3.1      | 0.1      | 0.0249    | 6        |
| 11CB0250  | 0.2      | 0.2      | 52      | 0.28       | 0.029      | 13       | 25       | 0.49      | 503      | 0.04       | 1       | 1.72       | 0.01      | 0.09      | 0.1     | 0.03     | 3.7      | 0.1      | 0.0249    | 6        |
| 11CB0249  | 0.3      | 0.1      | 39      | 0.45       | 0.03       | 14       | 23       | 0.49      | 636      | 0.039      | 1       | 1.7        | 0.012     | 0.08      | 0.049   | 0.03     | 4.2      | 0.1      | 0.0249    | 5        |
| 11CB0248  | 0.2      | 0.1      | 44      | 0.28       | 0.021      | 12       | 18       | 0.51      | 367      | 0.069      | 0.49    | 1.35       | 0.008     | 0.12      | 0.049   | 0.0049   | 3        | 0.1      | 0.0249    | 6        |
| 11CB0247  | 0.3      | 0.2      | 74      | 0.24       | 0.02       | 10       | 32       | 0.59      | 320      | 0.038      | 0.49    | 1.91       | 0.009     | 0.05      | 0.1     | 0.0049   | 4        | 0.1      | 0.0249    | 7        |
| 11CB0246  | 0.3      | 0.1      | 76      | 0.34       | 0.039      | 8        | 46       | 0.89      | 205      | 0.092      | 2       | 2.21       | 0.016     | 0.05      | 0.1     | 0.02     | 4.1      | 0.049    | 0.0249    | 7        |
| 11CB0245  | 0.6      | 0.3      | 75      | 0.24       | 0.038      | 23       | 74       | 0.74      | 694      | 0.071      | 2       | 2.67       | 0.012     | 0.04      | 0.2     | 0.05     | 5.2      | 0.049    | 0.0249    | 7        |
| 11CB0244  | 0.5      | 0.2      | 83      | 0.24       | 0.025      | 9        | 63       | 0.91      | 286      | 0.057      | 1       | 2.52       | 0.013     | 0.05      | 0.049   | 0.02     | 4.6      | 0.1      | 0.0249    | 7        |
| 11CB0243  | 0.5      | 0.2      | 75      | 0.23       | 0.028      | 8        | 35       | 0.65      | 221      | 0.069      | 0.49    | 2.61       | 0.014     | 0.05      | 0.1     | 0.02     | 3.5      | 0.1      | 0.0249    | 7        |
| 11CB0242  | 0.4      | 0.2      | 86      | 0.15       | 0.031      | 8        | 47       | 0.59      | 173      | 0.072      | 1       | 2.52       | 0.011     | 0.05      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 8        |
| 11CB0240  | 0.4      | 0.2      | 75      | 0.28       | 0.053      | 10       | 44       | 0.78      | 205      | 0.075      | 0.49    | 2.06       | 0.01      | 0.05      | 0.1     | 0.02     | 3.8      | 0.1      | 0.0249    | 6        |
| 11CB0239  | 0.4      | 0.1      | 72      | 0.34       | 0.043      | 8        | 57       | 1.12      | 183      | 0.145      | 0.49    | 2.6        | 0.012     | 0.08      | 0.1     | 0.0049   | 5        | 0.049    | 0.0249    | 7        |
| 11CB0238  | 0.4      | 0.2      | 66      | 0.27       | 0.04       | 11       | 40       | 0.67      | 218      | 0.068      | 0.49    | 2.03       | 0.012     | 0.05      | 0.1     | 0.03     | 4        | 0.049    | 0.0249    | 6        |
| 11CB0237  | 0.4      | 0.2      | 67      | 0.2        | 0.041      | 9        | 38       | 0.6       | 200      | 0.064      | 0.49    | 2.35       | 0.011     | 0.05      | 0.1     | 0.02     | 3.7      | 0.049    | 0.0249    | 6        |
| 11CB0236  | 0.4      | 0.2      | 72      | 0.18       | 0.034      | 7        | 38       | 0.59      | 140      | 0.083      | 1       | 2          | 0.01      | 0.05      | 0.1     | 0.02     | 2.9      | 0.1      | 0.0249    | 7        |
| 11CB0235  | 0.3      | 0.1      | 63      | 0.25       | 0.046      | 8        | 43       | 0.81      | 148      | 0.086      | 0.49    | 2.02       | 0.01      | 0.05      | 0.1     | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11CB0234  | 0.3      | 0.1      | 70      | 0.56       | 0.059      | 10       | 44       | 0.84      | 295      | 0.084      | 0.49    | 2.23       | 0.013     | 0.07      | 0.1     | 0.02     | 4.7      | 0.049    | 0.0249    | 7        |
| 11CB0233  | 0.3      | 0.2      | 84      | 1.06       | 0.198      | 28       | 114      | 1.84      | 430      | 0.176      | 2       | 2.65       | 0.015     | 0.06      | 0.2     | 0.02     | 4.8      | 0.1      | 0.0249    | 8        |
| 11CB0232  | 0.3      | 0.2      | 81      | 0.44       | 0.057      | 11       | 49       | 0.99      | 266      | 0.112      | 0.49    | 2.29       | 0.011     | 0.05      | 0.1     | 0.0049   | 4        | 0.1      | 0.0249    | 8        |
| 11CB0231  | 0.3      | 0.1      | 98      | 0.14       | 0.038      | 8        | 44       | 0.67      | 124      | 0.079      | 0.49    | 1.72       | 0.008     | 0.06      | 0.049   | 0.01     | 3.1      | 0.049    | 0.0249    | 7        |
| 11CB0230  | 0.2      | 0.1      | 106     | 0.28       | 0.05       | 8        | 36       | 1.27      | 195      | 0.13       | 1       | 2.79       | 0.008     | 0.11      | 0.049   | 0.0049   | 5        | 0.1      | 0.0249    | 8        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0229  | 0.2      | 0.1      | 72      | 0.22       | 0.053      | 8        | 26       | 0.65      | 139      | 0.062      | 1       | 1.77       | 0.01      | 0.07      | 0.049   | 0.03     | 3        | 0.049    | 0.0249    | 6        |
| 11CB0228  | 0.2      | 0.049    | 82      | 0.91       | 0.089      | 12       | 31       | 0.97      | 349      | 0.061      | 0.49    | 2.14       | 0.014     | 0.08      | 0.049   | 0.05     | 6.9      | 0.049    | 0.05      | 6        |
| 11CB0227  | 0.3      | 0.1      | 92      | 0.6        | 0.08       | 11       | 43       | 1.35      | 360      | 0.169      | 0.49    | 2.42       | 0.009     | 0.34      | 0.1     | 0.01     | 4.4      | 0.2      | 0.0249    | 7        |
| 11CB0226  | 0.2      | 0.2      | 53      | 0.79       | 0.121      | 24       | 24       | 0.85      | 341      | 0.063      | 0.49    | 2.39       | 0.009     | 0.26      | 0.049   | 0.02     | 6.7      | 0.2      | 0.0249    | 7        |
| 11CB0225  | 0.3      | 0.1      | 72      | 0.27       | 0.057      | 12       | 35       | 0.86      | 264      | 0.091      | 1       | 2.4        | 0.01      | 0.1       | 0.1     | 0.03     | 4.7      | 0.1      | 0.0249    | 6        |
| 11CB0224  | 0.3      | 0.1      | 79      | 0.28       | 0.053      | 12       | 35       | 0.88      | 239      | 0.106      | 1       | 2.26       | 0.011     | 0.1       | 0.049   | 0.02     | 4.8      | 0.1      | 0.0249    | 7        |
| 11CB0223  | 0.2      | 0.1      | 49      | 0.23       | 0.095      | 14       | 22       | 0.55      | 263      | 0.056      | 0.49    | 1.66       | 0.01      | 0.15      | 0.049   | 0.04     | 3.2      | 0.049    | 0.0249    | 6        |
| 11CB0222  | 0.4      | 0.2      | 72      | 0.09       | 0.018      | 9        | 32       | 0.49      | 165      | 0.077      | 0.49    | 1.72       | 0.007     | 0.05      | 0.1     | 0.02     | 2.6      | 0.049    | 0.0249    | 6        |
| 11CB0221  | 0.4      | 0.2      | 71      | 0.17       | 0.033      | 12       | 35       | 0.65      | 223      | 0.075      | 0.49    | 2.07       | 0.009     | 0.06      | 0.2     | 0.03     | 4.3      | 0.1      | 0.0249    | 6        |
| 11CB0219  | 0.3      | 0.2      | 84      | 0.23       | 0.058      | 5        | 31       | 1.03      | 178      | 0.166      | 0.49    | 2.28       | 0.008     | 0.16      | 0.2     | 0.02     | 3.6      | 0.1      | 0.0249    | 9        |
| 11CB0218  | 0.2      | 0.1      | 87      | 0.48       | 0.054      | 14       | 39       | 1.11      | 333      | 0.086      | 0.49    | 2.22       | 0.011     | 0.08      | 0.049   | 0.01     | 7.1      | 0.049    | 0.0249    | 7        |
| 11CB0217  | 0.4      | 0.1      | 69      | 0.47       | 0.038      | 14       | 42       | 0.72      | 373      | 0.052      | 0.49    | 1.97       | 0.01      | 0.05      | 0.1     | 0.03     | 5.9      | 0.049    | 0.0249    | 6        |
| 11CB0216  | 0.3      | 0.1      | 48      | 0.57       | 0.041      | 12       | 25       | 0.5       | 591      | 0.023      | 0.49    | 1.5        | 0.008     | 0.07      | 0.049   | 0.03     | 4.1      | 0.049    | 0.0249    | 5        |
| 11CB0215  | 0.3      | 0.1      | 70      | 0.86       | 0.083      | 11       | 33       | 0.85      | 511      | 0.069      | 0.49    | 1.63       | 0.01      | 0.13      | 0.2     | 0.02     | 6.8      | 0.049    | 0.0249    | 6        |
| 11CB0214  | 0.2      | 0.5      | 85      | 1.09       | 0.185      | 51       | 132      | 1.64      | 494      | 0.133      | 0.49    | 1.81       | 0.017     | 0.25      | 0.1     | 0.08     | 7.9      | 0.2      | 0.0249    | 7        |
| 11CB0213  | 0.4      | 0.1      | 93      | 0.21       | 0.035      | 6        | 31       | 1.16      | 226      | 0.164      | 0.49    | 2.51       | 0.011     | 0.12      | 0.2     | 0.02     | 4.3      | 0.1      | 0.0249    | 7        |
| 11CB0212  | 0.2      | 0.049    | 99      | 0.14       | 0.025      | 4        | 36       | 1.41      | 251      | 0.24       | 0.49    | 2.78       | 0.009     | 0.34      | 0.1     | 0.02     | 2.5      | 0.2      | 0.0249    | 7        |
| 11CB0211  | 0.4      | 0.2      | 83      | 0.12       | 0.026      | 5        | 30       | 0.79      | 209      | 0.121      | 0.49    | 2.58       | 0.01      | 0.14      | 0.2     | 0.02     | 2.9      | 0.1      | 0.0249    | 8        |
| 11CB0210  | 0.4      | 0.2      | 55      | 0.21       | 0.064      | 12       | 29       | 0.57      | 228      | 0.055      | 0.49    | 1.71       | 0.01      | 0.05      | 0.2     | 0.03     | 3.3      | 0.049    | 0.0249    | 5        |
| 11CB0209  | 0.3      | 0.1      | 67      | 0.21       | 0.044      | 8        | 27       | 0.78      | 207      | 0.116      | 0.49    | 2.16       | 0.009     | 0.13      | 0.2     | 0.03     | 3.5      | 0.049    | 0.0249    | 6        |
| 11CB0208  | 0.3      | 0.2      | 71      | 0.24       | 0.039      | 10       | 33       | 0.7       | 234      | 0.08       | 1       | 2.3        | 0.008     | 0.06      | 0.2     | 0.02     | 3.9      | 0.1      | 0.0249    | 6        |
| 11CB0207  | 0.3      | 0.2      | 71      | 0.43       | 0.056      | 11       | 42       | 0.89      | 406      | 0.087      | 0.49    | 2.19       | 0.008     | 0.08      | 0.2     | 0.03     | 4.1      | 0.049    | 0.0249    | 7        |
| 11CB0206  | 0.4      | 0.2      | 76      | 0.34       | 0.026      | 6        | 29       | 0.83      | 293      | 0.128      | 0.49    | 1.88       | 0.01      | 0.16      | 0.1     | 0.01     | 3.7      | 0.049    | 0.0249    | 6        |
| 11CB0205  | 0.1      | 0.049    | 65      | 0.82       | 0.151      | 7        | 8        | 1.38      | 340      | 0.091      | 0.49    | 1.99       | 0.011     | 0.28      | 0.049   | 0.0049   | 7.2      | 0.049    | 0.0249    | 10       |
| 11CB0204  | 0.3      | 0.1      | 49      | 0.32       | 0.024      | 23       | 22       | 0.58      | 463      | 0.048      | 0.49    | 1.43       | 0.008     | 0.13      | 0.049   | 0.02     | 6.6      | 0.049    | 0.0249    | 5        |
| 11CB0203  | 0.2      | 0.1      | 70      | 0.61       | 0.13       | 9        | 23       | 1.8       | 357      | 0.082      | 0.49    | 2.13       | 0.009     | 0.14      | 0.049   | 0.0049   | 9.3      | 0.049    | 0.0249    | 9        |
| 11CB0202  | 0.3      | 0.3      | 94      | 0.26       | 0.06       | 8        | 34       | 1.38      | 417      | 0.093      | 0.49    | 2.12       | 0.007     | 0.28      | 0.049   | 0.02     | 7.9      | 0.1      | 0.0249    | 8        |
| 11CB0201  | 0.4      | 0.2      | 68      | 0.17       | 0.024      | 11       | 42       | 0.59      | 351      | 0.039      | 0.49    | 1.97       | 0.008     | 0.05      | 0.2     | 0.02     | 5.5      | 0.049    | 0.0249    | 6        |
| 11CB0200  | 0.4      | 0.2      | 71      | 0.19       | 0.026      | 10       | 48       | 0.64      | 359      | 0.033      | 0.49    | 1.88       | 0.007     | 0.05      | 0.1     | 0.03     | 5.4      | 0.049    | 0.0249    | 6        |
| 11CB0199  | 0.4      | 0.2      | 58      | 0.13       | 0.012      | 8        | 29       | 0.68      | 307      | 0.08       | 0.49    | 1.7        | 0.009     | 0.07      | 0.1     | 0.01     | 2.9      | 0.049    | 0.0249    | 5        |
| 11CB0198  | 0.5      | 0.2      | 60      | 0.07       | 0.015      | 9        | 33       | 0.68      | 298      | 0.077      | 0.49    | 1.75       | 0.006     | 0.08      | 0.1     | 0.03     | 3.5      | 0.1      | 0.0249    | 6        |
| 11CB0197  | 0.3      | 0.2      | 59      | 0.25       | 0.04       | 19       | 56       | 0.98      | 553      | 0.104      | 0.49    | 1.74       | 0.007     | 0.2       | 0.1     | 0.03     | 4.4      | 0.2      | 0.0249    | 7        |
| 11CB0196  | 0.4      | 0.2      | 61      | 0.11       | 0.021      | 6        | 24       | 0.64      | 207      | 0.094      | 0.49    | 1.78       | 0.006     | 0.15      | 0.1     | 0.01     | 3.2      | 0.1      | 0.0249    | 6        |
| 11CB0195  | 0.5      | 0.2      | 72      | 0.14       | 0.029      | 7        | 33       | 0.7       | 277      | 0.072      | 0.49    | 2.24       | 0.007     | 0.08      | 0.1     | 0.03     | 4.1      | 0.1      | 0.0249    | 7        |
| 11CB0194  | 0.4      | 0.2      | 73      | 0.1        | 0.03       | 8        | 29       | 0.71      | 205      | 0.073      | 0.49    | 2.02       | 0.006     | 0.07      | 0.2     | 0.02     | 4.6      | 0.1      | 0.0249    | 7        |
| 11CB0193  | 0.2      | 0.2      | 81      | 0.22       | 0.046      | 14       | 25       | 1.15      | 261      | 0.086      | 0.49    | 1.93       | 0.006     | 0.13      | 0.1     | 0.0049   | 9.7      | 0.1      | 0.0249    | 9        |
| 11CB0192  | 0.4      | 0.2      | 68      | 0.16       | 0.032      | 9        | 46       | 0.71      | 284      | 0.082      | 1       | 1.74       | 0.007     | 0.05      | 0.2     | 0.03     | 3.4      | 0.1      | 0.0249    | 6        |
| 11CB0191  | 0.3      | 0.2      | 107     | 1.57       | 0.56       | 50       | 345      | 4         | 1047     | 0.122      | 0.49    | 3.09       | 0.011     | 0.06      | 0.2     | 0.04     | 9.5      | 0.049    | 0.0249    | 9        |
| 11CB0190  | 0.3      | 0.2      | 64      | 0.86       | 0.118      | 12       | 64       | 1.2       | 458      | 0.086      | 0.49    | 1.66       | 0.011     | 0.05      | 0.1     | 0.03     | 3.7      | 0.049    | 0.0249    | 5        |
| 11CB0189  | 0.2      | 0.3      | 52      | 0.87       | 0.106      | 9        | 39       | 0.96      | 449      | 0.093      | 0.49    | 1.45       | 0.01      | 0.06      | 0.2     | 0.04     | 3        | 0.049    | 0.0249    | 5        |
| 11CB0188  | 0.3      | 0.1      | 57      | 0.22       | 0.03       | 14       | 33       | 0.6       | 267      | 0.074      | 2       | 2.19       | 0.011     | 0.09      | 0.049   | 0.03     | 4.1      | 0.1      | 0.0249    | 6        |
| 11CB0187  | 0.2      | 0.049    | 82      | 0.38       | 0.079      | 15       | 41       | 0.54      | 572      | 0.035      | 3       | 1.75       | 0.01      | 0.16      | 0.049   | 0.04     | 14.4     | 0.049    | 0.0249    | 6        |
| 11CB0186  | 0.1      | 0.049    | 110     | 0.53       | 0.101      | 8        | 26       | 1.55      | 528      | 0.183      | 0.49    | 2.46       | 0.022     | 0.37      | 0.049   | 0.01     | 5.4      | 0.1      | 0.0249    | 8        |
| 11CB0185  | 0.4      | 0.1      | 92      | 0.57       | 0.067      | 12       | 25       | 1.17      | 605      | 0.128      | 2       | 2.28       | 0.016     | 0.18      | 0.1     | 0.02     | 7.8      | 0.049    | 0.0249    | 9        |
| 11CB0184  | 0.5      | 0.1      | 63      | 0.53       | 0.038      | 17       | 33       | 0.59      | 696      | 0.047      | 2       | 1.73       | 0.017     | 0.12      | 0.1     | 0.02     | 6.2      | 0.049    | 0.0249    | 5        |
| 11CB0183  | 0.3      | 0.049    | 79      | 0.45       | 0.044      | 10       | 63       | 1.1       | 298      | 0.065      | 0.49    | 2.32       | 0.022     | 0.07      | 0.049   | 0.01     | 5.4      | 0.049    | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0182  | 0.4      | 0.1      | 62      | 0.36       | 0.042      | 11       | 26       | 0.79      | 285      | 0.09       | 0.49    | 1.98       | 0.018     | 0.08      | 0.1     | 0.02     | 3.8      | 0.049    | 0.0249    | 7        |
| 11CB0180  | 0.2      | 0.049    | 64      | 0.39       | 0.022      | 9        | 45       | 1.11      | 151      | 0.174      | 0.49    | 2.39       | 0.016     | 0.33      | 0.049   | 0.0049   | 3.4      | 0.2      | 0.0249    | 7        |
| 11CB0179  | 0.4      | 0.049    | 90      | 0.26       | 0.027      | 6        | 34       | 1.04      | 162      | 0.224      | 1       | 2.64       | 0.016     | 0.17      | 0.1     | 0.02     | 2.9      | 0.1      | 0.0249    | 7        |
| 11CB0178  | 0.3      | 0.049    | 109     | 0.39       | 0.055      | 13       | 20       | 1.52      | 354      | 0.14       | 2       | 2.52       | 0.016     | 0.18      | 0.049   | 0.01     | 9.2      | 0.049    | 0.0249    | 10       |
| 11CB0177  | 0.2      | 0.049    | 103     | 0.25       | 0.048      | 9        | 28       | 1.94      | 384      | 0.162      | 1       | 2.53       | 0.012     | 0.63      | 0.049   | 0.01     | 11.2     | 0.2      | 0.0249    | 11       |
| 11CB0176  | 0.5      | 0.2      | 69      | 0.37       | 0.04       | 15       | 37       | 0.62      | 462      | 0.087      | 2       | 2          | 0.018     | 0.07      | 0.1     | 0.03     | 5.2      | 0.049    | 0.0249    | 6        |
| 11CB0175  | 0.3      | 0.2      | 169     | 0.43       | 0.129      | 9        | 73       | 2.88      | 307      | 0.051      | 0.49    | 4.29       | 0.011     | 0.16      | 0.049   | 0.01     | 17.8     | 0.1      | 0.0249    | 15       |
| 11CB0174  | 0.6      | 0.2      | 79      | 0.15       | 0.027      | 14       | 40       | 0.77      | 285      | 0.048      | 0.49    | 2.39       | 0.012     | 0.09      | 0.1     | 0.03     | 8        | 0.1      | 0.0249    | 7        |
| 11CB0173  | 0.4      | 0.2      | 61      | 0.22       | 0.049      | 15       | 26       | 0.47      | 277      | 0.075      | 1       | 1.7        | 0.009     | 0.13      | 0.1     | 0.01     | 3.2      | 0.049    | 0.0249    | 6        |
| 11CB0172  | 0.5      | 0.2      | 80      | 0.15       | 0.026      | 12       | 50       | 0.84      | 273      | 0.106      | 2       | 2.78       | 0.01      | 0.1       | 0.1     | 0.02     | 5.5      | 0.1      | 0.0249    | 8        |
| 11CB0171  | 0.6      | 0.2      | 75      | 0.18       | 0.037      | 11       | 53       | 0.74      | 268      | 0.105      | 2       | 2.55       | 0.013     | 0.1       | 0.1     | 0.03     | 3.8      | 0.1      | 0.0249    | 7        |
| 11CB0170  | 0.5      | 0.2      | 75      | 0.16       | 0.035      | 10       | 33       | 0.6       | 255      | 0.085      | 1       | 2.5        | 0.009     | 0.09      | 0.1     | 0.04     | 3.5      | 0.1      | 0.0249    | 8        |
| 11CB0169  | 0.6      | 0.1      | 75      | 0.18       | 0.017      | 10       | 43       | 0.67      | 239      | 0.102      | 1       | 2.68       | 0.011     | 0.08      | 0.1     | 0.03     | 4.2      | 0.049    | 0.0249    | 7        |
| 11CB0168  | 0.4      | 0.1      | 74      | 0.14       | 0.077      | 12       | 24       | 0.59      | 139      | 0.102      | 1       | 1.5        | 0.009     | 0.15      | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 8        |
| 11CB0167  | 0.2      | 0.1      | 94      | 0.59       | 0.084      | 10       | 33       | 0.97      | 417      | 0.117      | 1       | 1.97       | 0.019     | 0.08      | 0.049   | 0.03     | 5        | 0.049    | 0.0249    | 7        |
| 11CB0166  | 0.1      | 0.049    | 110     | 0.51       | 0.066      | 5        | 32       | 1.31      | 479      | 0.22       | 2       | 2.2        | 0.02      | 0.29      | 0.1     | 0.02     | 4.8      | 0.1      | 0.0249    | 9        |
| 11CB0165  | 0.3      | 0.1      | 72      | 0.19       | 0.023      | 8        | 26       | 0.66      | 231      | 0.084      | 0.49    | 1.92       | 0.009     | 0.16      | 0.049   | 0.02     | 3.7      | 0.1      | 0.0249    | 6        |
| 11CB0164  | 0.4      | 0.1      | 75      | 0.1        | 0.02       | 11       | 25       | 0.5       | 269      | 0.06       | 0.49    | 1.8        | 0.007     | 0.1       | 0.1     | 0.03     | 4.3      | 0.1      | 0.0249    | 6        |
| 11CB0163  | 0.4      | 0.2      | 70      | 0.21       | 0.018      | 13       | 30       | 0.5       | 525      | 0.061      | 0.49    | 1.73       | 0.01      | 0.07      | 0.049   | 0.03     | 4.7      | 0.049    | 0.0249    | 5        |
| 11CB0162  | 0.4      | 0.2      | 101     | 0.19       | 0.031      | 7        | 28       | 0.67      | 224      | 0.137      | 0.49    | 2.39       | 0.011     | 0.08      | 0.1     | 0.02     | 2.7      | 0.049    | 0.0249    | 7        |
| 11CB0161  | 0.4      | 0.2      | 88      | 0.21       | 0.022      | 9        | 68       | 0.68      | 194      | 0.105      | 0.49    | 2.51       | 0.011     | 0.08      | 0.1     | 0.01     | 4.6      | 0.1      | 0.0249    | 7        |
| 11CB0160  | 0.5      | 0.2      | 84      | 0.17       | 0.018      | 7        | 37       | 0.57      | 183      | 0.093      | 0.49    | 2.2        | 0.008     | 0.06      | 0.1     | 0.02     | 3.1      | 0.1      | 0.0249    | 6        |
| 11CB0159  | 0.5      | 0.2      | 70      | 0.19       | 0.023      | 8        | 30       | 0.51      | 266      | 0.063      | 0.49    | 1.76       | 0.008     | 0.06      | 0.1     | 0.02     | 2.5      | 0.049    | 0.0249    | 5        |
| 11CB0158  | 0.4      | 0.2      | 94      | 0.16       | 0.026      | 8        | 37       | 0.53      | 212      | 0.084      | 0.49    | 1.86       | 0.014     | 0.06      | 0.049   | 0.02     | 3.2      | 0.049    | 0.0249    | 7        |
| 11CB0157  | 0.4      | 0.1      | 119     | 0.29       | 0.034      | 6        | 31       | 0.9       | 327      | 0.09       | 0.49    | 1.9        | 0.015     | 0.15      | 0.049   | 0.01     | 4.9      | 0.049    | 0.0249    | 7        |
| 11CB0156  | 0.3      | 0.1      | 65      | 0.35       | 0.092      | 10       | 17       | 0.96      | 298      | 0.142      | 0.49    | 2.21       | 0.009     | 0.31      | 0.1     | 0.0049   | 6.2      | 0.1      | 0.0249    | 10       |
| 11CB0155  | 0.3      | 0.049    | 51      | 0.15       | 0.018      | 6        | 18       | 0.39      | 209      | 0.02       | 0.49    | 1.64       | 0.007     | 0.13      | 0.049   | 0.01     | 4.1      | 0.049    | 0.06      | 5        |
| 11CB0154  | 0.4      | 0.2      | 92      | 0.22       | 0.074      | 7        | 26       | 0.7       | 275      | 0.119      | 0.49    | 2.45       | 0.009     | 0.24      | 0.1     | 0.01     | 5.4      | 0.2      | 0.07      | 8        |
| 11CB0153  | 0.5      | 0.2      | 75      | 0.3        | 0.035      | 13       | 30       | 0.55      | 417      | 0.064      | 0.49    | 1.69       | 0.015     | 0.05      | 0.049   | 0.03     | 4.6      | 0.049    | 0.09      | 5        |
| 11CB0152  | 0.5      | 0.1      | 71      | 0.26       | 0.03       | 15       | 34       | 0.85      | 332      | 0.084      | 1       | 2.44       | 0.013     | 0.09      | 0.1     | 0.04     | 5.8      | 0.049    | 0.0249    | 7        |
| 11CB0151  | 0.4      | 0.1      | 61      | 0.3        | 0.027      | 10       | 57       | 0.92      | 244      | 0.13       | 2       | 2.57       | 0.014     | 0.18      | 0.2     | 0.02     | 3.3      | 0.1      | 0.0249    | 6        |
| 11CB0150  | 0.5      | 0.1      | 62      | 0.33       | 0.035      | 18       | 38       | 0.66      | 371      | 0.078      | 2       | 1.97       | 0.015     | 0.08      | 0.1     | 0.04     | 6.2      | 0.049    | 0.0249    | 6        |
| 11CB0149  | 0.5      | 0.1      | 66      | 0.23       | 0.032      | 11       | 38       | 0.7       | 270      | 0.114      | 2       | 2.3        | 0.014     | 0.15      | 0.049   | 0.02     | 4        | 0.1      | 0.0249    | 6        |
| 11CB0148  | 0.3      | 0.1      | 59      | 0.24       | 0.035      | 13       | 31       | 0.58      | 355      | 0.087      | 1       | 1.67       | 0.012     | 0.11      | 0.1     | 0.04     | 3.9      | 0.049    | 0.0249    | 5        |
| 11CB0147  | 0.4      | 0.2      | 66      | 0.21       | 0.031      | 13       | 36       | 0.63      | 381      | 0.069      | 1       | 1.9        | 0.011     | 0.11      | 0.1     | 0.04     | 4.5      | 0.1      | 0.0249    | 7        |
| 11CB0146  | 0.4      | 0.2      | 69      | 0.31       | 0.069      | 15       | 57       | 0.62      | 868      | 0.039      | 2       | 2.81       | 0.012     | 0.19      | 0.1     | 0.05     | 8.3      | 0.1      | 0.0249    | 8        |
| 11CB0145  | 0.3      | 0.2      | 72      | 0.15       | 0.038      | 13       | 33       | 0.53      | 236      | 0.081      | 1       | 1.4        | 0.011     | 0.12      | 0.1     | 0.02     | 3.5      | 0.049    | 0.0249    | 7        |
| 11CB0144  | 0.4      | 0.2      | 71      | 0.14       | 0.06       | 9        | 32       | 0.51      | 250      | 0.064      | 0.49    | 2.32       | 0.012     | 0.1       | 0.1     | 0.04     | 3.6      | 0.1      | 0.0249    | 7        |
| 11CB0143  | 0.5      | 0.1      | 72      | 0.12       | 0.034      | 10       | 29       | 0.64      | 207      | 0.095      | 0.49    | 2.1        | 0.012     | 0.14      | 0.1     | 0.03     | 3.3      | 0.1      | 0.0249    | 8        |
| 11CB0142  | 0.4      | 0.1      | 71      | 0.25       | 0.032      | 13       | 34       | 0.65      | 447      | 0.081      | 1       | 2.27       | 0.015     | 0.09      | 0.1     | 0.06     | 4.5      | 0.1      | 0.0249    | 6        |
| 11CB0141  | 0.5      | 0.2      | 85      | 0.16       | 0.088      | 10       | 37       | 0.43      | 230      | 0.085      | 0.49    | 1.4        | 0.01      | 0.09      | 0.2     | 0.03     | 2        | 0.049    | 0.0249    | 8        |
| 11CB0140  | 0.3      | 0.2      | 67      | 0.13       | 0.059      | 9        | 32       | 0.43      | 183      | 0.097      | 1       | 1.36       | 0.016     | 0.1       | 0.049   | 0.02     | 3.1      | 0.049    | 0.0249    | 8        |
| 11CB0139  | 0.4      | 0.1      | 93      | 0.33       | 0.043      | 9        | 34       | 0.78      | 332      | 0.077      | 0.49    | 2.28       | 0.016     | 0.08      | 0.1     | 0.04     | 5.6      | 0.1      | 0.0249    | 7        |
| 11CB0138  | 0.7      | 0.1      | 92      | 0.39       | 0.082      | 9        | 33       | 0.9       | 265      | 0.138      | 2       | 2.38       | 0.02      | 0.14      | 0.1     | 0.04     | 4.4      | 0.1      | 0.0249    | 7        |
| 11CB0137  | 0.4      | 0.1      | 93      | 0.52       | 0.075      | 11       | 37       | 1.01      | 337      | 0.133      | 2       | 2.71       | 0.021     | 0.13      | 0.1     | 0.04     | 5.3      | 0.1      | 0.0249    | 8        |
| 11CB0136  | 1.3      | 0.049    | 112     | 0.48       | 0.092      | 7        | 34       | 1.3       | 297      | 0.23       | 2       | 2.96       | 0.022     | 0.31      | 0.1     | 0.03     | 4.5      | 0.2      | 0.0249    | 8        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0135  | 0.3      | 0.1      | 124     | 0.21       | 0.046      | 8        | 26       | 1.32      | 250      | 0.135      | 1       | 2.57       | 0.022     | 0.28      | 0.049   | 0.01     | 8.6      | 0.1      | 0.0249    | 9        |
| 11CB0134  | 0.4      | 0.1      | 55      | 0.23       | 0.037      | 12       | 26       | 0.63      | 236      | 0.093      | 0.49    | 1.61       | 0.013     | 0.07      | 0.049   | 0.01     | 3.5      | 0.049    | 0.0249    | 5        |
| 11CB0133  | 0.4      | 0.1      | 56      | 0.25       | 0.029      | 11       | 28       | 0.57      | 278      | 0.071      | 1       | 1.66       | 0.01      | 0.06      | 0.1     | 0.01     | 3.6      | 0.049    | 0.0249    | 5        |
| 11CB0132  | 0.2      | 0.049    | 45      | 0.35       | 0.147      | 15       | 13       | 1.2       | 360      | 0.218      | 1       | 2.61       | 0.011     | 0.79      | 0.049   | 0.0049   | 11.6     | 0.3      | 0.0249    | 11       |
| 11CB0131  | 0.4      | 0.2      | 86      | 0.29       | 0.042      | 11       | 28       | 0.81      | 287      | 0.125      | 1       | 2.03       | 0.014     | 0.13      | 0.049   | 0.02     | 7.1      | 0.049    | 0.0249    | 7        |
| 11CB0130  | 0.3      | 0.2      | 58      | 0.28       | 0.043      | 10       | 27       | 0.48      | 226      | 0.072      | 2       | 1.5        | 0.012     | 0.05      | 0.1     | 0.03     | 3.4      | 0.049    | 0.0249    | 6        |
| 11CB0129  | 0.3      | 0.1      | 53      | 0.35       | 0.066      | 12       | 28       | 0.6       | 266      | 0.073      | 2       | 1.6        | 0.012     | 0.08      | 0.049   | 0.02     | 4.2      | 0.049    | 0.0249    | 5        |
| 11CB0128  | 0.4      | 0.1      | 53      | 0.47       | 0.075      | 18       | 29       | 0.6       | 467      | 0.061      | 2       | 1.64       | 0.013     | 0.07      | 0.1     | 0.02     | 5.5      | 0.049    | 0.0249    | 5        |
| 11CB0127  | 0.4      | 0.1      | 48      | 0.28       | 0.039      | 15       | 24       | 0.44      | 378      | 0.054      | 0.49    | 1.4        | 0.01      | 0.07      | 0.049   | 0.01     | 3.8      | 0.049    | 0.0249    | 4        |
| 11CB0126  | 0.3      | 0.2      | 56      | 0.35       | 0.062      | 20       | 30       | 0.59      | 539      | 0.076      | 1       | 1.88       | 0.012     | 0.15      | 0.1     | 0.04     | 6.5      | 0.1      | 0.0249    | 6        |
| 11CB0125  | 0.3      | 0.1      | 58      | 0.33       | 0.041      | 14       | 25       | 0.62      | 433      | 0.116      | 1       | 1.62       | 0.009     | 0.3       | 0.1     | 0.02     | 5.5      | 0.1      | 0.0249    | 6        |
| 11CB0124  | 0.2      | 0.1      | 64      | 0.26       | 0.055      | 14       | 25       | 0.72      | 377      | 0.123      | 2       | 1.69       | 0.01      | 0.33      | 0.1     | 0.02     | 6.3      | 0.2      | 0.0249    | 6        |
| 11CB0123  | 0.2      | 0.1      | 55      | 0.26       | 0.042      | 13       | 25       | 0.72      | 295      | 0.11       | 2       | 1.49       | 0.01      | 0.29      | 0.049   | 0.01     | 4.7      | 0.1      | 0.0249    | 6        |
| 11CB0122  | 0.2      | 0.2      | 69      | 0.17       | 0.037      | 23       | 23       | 0.85      | 368      | 0.151      | 2       | 1.88       | 0.009     | 0.31      | 0.1     | 0.0049   | 4.8      | 0.2      | 0.0249    | 7        |
| 11CB0121  | 0.5      | 0.1      | 66      | 0.36       | 0.062      | 13       | 29       | 0.72      | 304      | 0.1        | 2       | 1.66       | 0.018     | 0.09      | 0.1     | 0.02     | 6.2      | 0.049    | 0.0249    | 6        |
| 11CB0120  | 0.3      | 0.2      | 61      | 0.37       | 0.052      | 10       | 29       | 0.6       | 265      | 0.072      | 1       | 1.76       | 0.014     | 0.05      | 0.049   | 0.02     | 3.6      | 0.049    | 0.0249    | 5        |
| 11CB0119  | 0.4      | 0.2      | 62      | 0.63       | 0.084      | 25       | 37       | 0.57      | 625      | 0.056      | 2       | 2.16       | 0.012     | 0.13      | 0.1     | 0.06     | 9.7      | 0.049    | 0.05      | 7        |
| 11CB0118  | 0.3      | 0.2      | 56      | 0.53       | 0.081      | 21       | 28       | 0.67      | 517      | 0.086      | 2       | 1.78       | 0.014     | 0.25      | 0.1     | 0.06     | 7.1      | 0.2      | 0.07      | 6        |
| 11CB0117  | 0.2      | 0.1      | 64      | 0.21       | 0.049      | 10       | 24       | 0.87      | 321      | 0.209      | 1       | 1.94       | 0.01      | 0.77      | 0.1     | 0.0049   | 5.8      | 0.3      | 0.0249    | 8        |
| 11CB0116  | 0.2      | 0.2      | 62      | 0.32       | 0.07       | 20       | 21       | 0.87      | 448      | 0.135      | 0.49    | 2.02       | 0.01      | 0.4       | 0.1     | 0.01     | 6.6      | 0.2      | 0.0249    | 7        |
| 11CB0115  | 0.5      | 0.2      | 73      | 0.1        | 0.043      | 7        | 37       | 0.86      | 250      | 0.121      | 1       | 2.36       | 0.008     | 0.28      | 0.2     | 0.02     | 4.9      | 0.2      | 0.0249    | 7        |
| 11CB0114  | 0.3      | 0.2      | 62      | 0.32       | 0.04       | 9        | 21       | 0.62      | 464      | 0.138      | 2       | 1.55       | 0.009     | 0.27      | 0.1     | 0.02     | 4.6      | 0.1      | 0.0249    | 7        |
| 11CB0113  | 0.5      | 0.1      | 61      | 0.3        | 0.052      | 11       | 26       | 0.63      | 250      | 0.098      | 1       | 1.72       | 0.017     | 0.07      | 0.1     | 0.02     | 4.7      | 0.049    | 0.0249    | 5        |
| 11CB0112  | 0.5      | 0.1      | 52      | 0.32       | 0.069      | 14       | 25       | 0.68      | 335      | 0.101      | 1       | 1.66       | 0.012     | 0.16      | 0.1     | 0.0049   | 5.2      | 0.049    | 0.0249    | 6        |
| 11CB0111  | 0.3      | 0.1      | 67      | 0.36       | 0.047      | 10       | 28       | 0.64      | 263      | 0.075      | 2       | 1.55       | 0.017     | 0.04      | 0.1     | 0.02     | 4.6      | 0.049    | 0.0249    | 5        |
| 11CB0110  | 0.3      | 0.2      | 55      | 0.63       | 0.082      | 15       | 28       | 0.57      | 550      | 0.048      | 2       | 1.71       | 0.011     | 0.07      | 0.049   | 0.06     | 6.1      | 0.049    | 0.06      | 6        |
| 11CB0109  | 0.2      | 0.1      | 92      | 0.7        | 0.094      | 12       | 54       | 1.79      | 517      | 0.16       | 2       | 2.36       | 0.015     | 0.16      | 0.049   | 0.02     | 8.5      | 0.1      | 0.0249    | 9        |
| 11CB0108  | 0.3      | 0.2      | 77      | 0.28       | 0.049      | 6        | 30       | 1.03      | 287      | 0.169      | 1       | 1.84       | 0.012     | 0.34      | 0.049   | 0.0049   | 5.1      | 0.1      | 0.0249    | 8        |
| 11CB0107  | 0.4      | 0.2      | 54      | 0.14       | 0.018      | 17       | 28       | 0.46      | 420      | 0.067      | 2       | 1.38       | 0.009     | 0.11      | 0.2     | 0.01     | 3.8      | 0.049    | 0.0249    | 5        |
| 11CB0106  | 0.4      | 0.3      | 58      | 0.16       | 0.032      | 17       | 36       | 0.47      | 446      | 0.05       | 1       | 1.91       | 0.009     | 0.14      | 0.049   | 0.02     | 4        | 0.1      | 0.0249    | 6        |
| 11CB0105  | 0.3      | 0.2      | 68      | 0.27       | 0.039      | 18       | 63       | 0.77      | 419      | 0.098      | 2       | 1.74       | 0.012     | 0.15      | 0.1     | 0.02     | 4.5      | 0.1      | 0.0249    | 7        |
| 11CB0104  | 0.3      | 0.2      | 72      | 0.35       | 0.075      | 23       | 48       | 0.73      | 719      | 0.097      | 1       | 2.31       | 0.012     | 0.31      | 0.1     | 0.03     | 8.1      | 0.2      | 0.0249    | 9        |
| 11CB0103  | 0.3      | 0.2      | 68      | 0.12       | 0.052      | 12       | 33       | 0.6       | 249      | 0.1        | 0.49    | 1.77       | 0.008     | 0.23      | 0.1     | 0.02     | 4.5      | 0.2      | 0.0249    | 8        |
| 11CB0102  | 0.2      | 0.2      | 71      | 0.25       | 0.077      | 10       | 32       | 0.78      | 353      | 0.167      | 0.49    | 1.71       | 0.008     | 0.48      | 0.1     | 0.02     | 5.3      | 0.2      | 0.0249    | 8        |
| 11CB0101  | 0.4      | 0.2      | 68      | 0.3        | 0.033      | 14       | 42       | 0.72      | 389      | 0.105      | 0.49    | 2.04       | 0.011     | 0.12      | 0.1     | 0.02     | 6        | 0.1      | 0.0249    | 7        |
| 11CB0100  | 0.3      | 0.2      | 87      | 0.25       | 0.073      | 18       | 91       | 1.26      | 337      | 0.125      | 2       | 2.77       | 0.008     | 0.14      | 0.1     | 0.02     | 8.1      | 0.2      | 0.0249    | 9        |
| 11CB0099  | 0.3      | 0.2      | 53      | 0.18       | 0.032      | 12       | 38       | 0.65      | 304      | 0.07       | 0.49    | 1.98       | 0.007     | 0.09      | 0.049   | 0.01     | 3.9      | 0.1      | 0.0249    | 6        |
| 11CB0098  | 0.4      | 0.2      | 62      | 0.16       | 0.03       | 12       | 36       | 0.93      | 243      | 0.086      | 0.49    | 2.36       | 0.008     | 0.12      | 0.1     | 0.02     | 3.8      | 0.1      | 0.0249    | 8        |
| 11CB0097  | 0.5      | 0.2      | 65      | 0.13       | 0.049      | 10       | 32       | 0.49      | 144      | 0.073      | 2       | 2.01       | 0.007     | 0.09      | 0.1     | 0.03     | 2.8      | 0.049    | 0.0249    | 7        |
| 11CB0096  | 0.4      | 0.1      | 54      | 0.09       | 0.044      | 10       | 22       | 0.89      | 114      | 0.1        | 0.49    | 1.9        | 0.006     | 0.21      | 0.1     | 0.01     | 3.3      | 0.1      | 0.0249    | 7        |
| 11CB0095  | 0.2      | 0.2      | 44      | 0.1        | 0.04       | 8        | 23       | 0.43      | 111      | 0.079      | 2       | 1.22       | 0.007     | 0.14      | 0.049   | 0.02     | 1.8      | 0.1      | 0.0249    | 7        |
| 11CB0094  | 0.3      | 0.1      | 57      | 0.21       | 0.061      | 11       | 32       | 0.88      | 214      | 0.096      | 0.49    | 2.05       | 0.009     | 0.18      | 0.1     | 0.02     | 4.2      | 0.2      | 0.0249    | 7        |
| 11CB0093  | 0.2      | 0.1      | 50      | 0.19       | 0.048      | 11       | 32       | 0.96      | 171      | 0.118      | 2       | 1.88       | 0.009     | 0.2       | 0.1     | 0.01     | 4.1      | 0.1      | 0.0249    | 7        |
| 11CB0092  | 0.3      | 0.1      | 78      | 0.21       | 0.046      | 9        | 33       | 0.86      | 211      | 0.169      | 1       | 2.09       | 0.01      | 0.35      | 0.1     | 0.02     | 4.9      | 0.2      | 0.0249    | 7        |
| 11CB0091  | 0.4      | 0.2      | 76      | 0.15       | 0.041      | 9        | 33       | 0.67      | 152      | 0.14       | 1       | 2.38       | 0.009     | 0.15      | 0.1     | 0.02     | 3.9      | 0.1      | 0.0249    | 8        |
| 11CB0090  | 0.3      | 0.1      | 69      | 0.22       | 0.034      | 14       | 30       | 0.76      | 233      | 0.126      | 0.49    | 1.93       | 0.01      | 0.15      | 0.1     | 0.02     | 4.7      | 0.1      | 0.0249    | 6        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0089  | 0.3      | 0.2      | 86      | 0.11       | 0.056      | 8        | 26       | 0.72      | 126      | 0.133      | 1       | 1.94       | 0.008     | 0.25      | 0.2     | 0.0049   | 3.3      | 0.2      | 0.0249    | 9        |
| 11CB0088  | 0.4      | 0.2      | 61      | 0.13       | 0.038      | 10       | 30       | 0.5       | 191      | 0.085      | 1       | 1.78       | 0.008     | 0.13      | 0.049   | 0.02     | 3.1      | 0.1      | 0.0249    | 7        |
| 11CB0087  | 0.4      | 0.2      | 67      | 0.17       | 0.053      | 16       | 37       | 0.64      | 269      | 0.091      | 2       | 2.48       | 0.009     | 0.11      | 0.2     | 0.02     | 4.9      | 0.2      | 0.0249    | 7        |
| 11CB0086  | 0.4      | 0.2      | 82      | 0.17       | 0.029      | 9        | 53       | 0.99      | 250      | 0.124      | 2       | 2.64       | 0.009     | 0.17      | 0.1     | 0.02     | 4.1      | 0.2      | 0.0249    | 7        |
| 11CB0085  | 0.2      | 0.2      | 87      | 0.26       | 0.064      | 26       | 88       | 1.63      | 414      | 0.19       | 0.49    | 2.62       | 0.008     | 0.22      | 0.1     | 0.02     | 6.6      | 0.3      | 0.0249    | 9        |
| 11CB0084  | 0.4      | 0.2      | 63      | 0.19       | 0.046      | 11       | 37       | 0.56      | 300      | 0.07       | 1       | 1.88       | 0.007     | 0.08      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 6        |
| 11CB0083  | 0.4      | 0.2      | 71      | 0.13       | 0.028      | 8        | 34       | 0.55      | 222      | 0.077      | 2       | 1.84       | 0.008     | 0.07      | 0.1     | 0.01     | 3.1      | 0.1      | 0.0249    | 7        |
| 11CB0082  | 0.3      | 0.2      | 61      | 0.18       | 0.035      | 10       | 33       | 0.65      | 241      | 0.104      | 3       | 1.83       | 0.007     | 0.27      | 0.049   | 0.02     | 4.2      | 0.2      | 0.0249    | 7        |
| 11CB0081  | 0.3      | 0.1      | 58      | 0.27       | 0.046      | 19       | 68       | 0.88      | 529      | 0.124      | 0.49    | 1.65       | 0.009     | 0.25      | 0.049   | 0.0049   | 5.6      | 0.2      | 0.0249    | 6        |
| 11CB0080  | 0.5      | 0.2      | 68      | 0.24       | 0.037      | 11       | 34       | 0.75      | 266      | 0.13       | 1       | 1.9        | 0.009     | 0.35      | 0.049   | 0.0049   | 5        | 0.2      | 0.0249    | 7        |
| 11CB0079  | 0.3      | 0.1      | 99      | 0.4        | 0.067      | 9        | 42       | 1.12      | 334      | 0.139      | 0.49    | 2.31       | 0.014     | 0.25      | 0.049   | 0.0049   | 6.5      | 0.049    | 0.0249    | 10       |
| 11CB0078  | 0.3      | 0.1      | 55      | 0.56       | 0.038      | 8        | 50       | 0.94      | 295      | 0.071      | 1       | 1.99       | 0.011     | 0.16      | 0.049   | 0.0049   | 4.6      | 0.049    | 0.0249    | 7        |
| 11CB0077  | 0.4      | 0.1      | 55      | 0.31       | 0.029      | 6        | 28       | 1.05      | 241      | 0.16       | 0.49    | 2.28       | 0.009     | 0.6       | 0.049   | 0.0049   | 3.1      | 0.2      | 0.0249    | 8        |
| 11CB0076  | 0.4      | 0.2      | 70      | 0.17       | 0.039      | 10       | 29       | 0.63      | 186      | 0.103      | 0.49    | 1.88       | 0.009     | 0.09      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 8        |
| 11CB0075  | 0.5      | 0.2      | 89      | 0.11       | 0.031      | 9        | 34       | 1.1       | 201      | 0.129      | 0.49    | 2.69       | 0.009     | 0.16      | 0.1     | 0.02     | 5.4      | 0.2      | 0.0249    | 9        |
| 11CB0074  | 0.6      | 0.2      | 84      | 0.1        | 0.061      | 8        | 33       | 0.71      | 179      | 0.068      | 0.49    | 2.29       | 0.007     | 0.11      | 0.2     | 0.02     | 5.2      | 0.049    | 0.0249    | 8        |
| 11CB0073  | 0.5      | 0.2      | 65      | 0.18       | 0.036      | 11       | 39       | 0.64      | 420      | 0.07       | 0.49    | 2.37       | 0.011     | 0.06      | 0.2     | 0.02     | 3.6      | 0.1      | 0.0249    | 6        |
| 11CB0072  | 0.4      | 0.2      | 83      | 0.15       | 0.053      | 8        | 39       | 0.9       | 250      | 0.152      | 0.49    | 2.32       | 0.007     | 0.26      | 0.1     | 0.02     | 5.3      | 0.2      | 0.0249    | 9        |
| 11CB0071  | 0.4      | 0.2      | 95      | 0.14       | 0.07       | 7        | 28       | 0.85      | 269      | 0.151      | 0.49    | 2.37       | 0.012     | 0.3       | 0.049   | 0.02     | 5        | 0.2      | 0.0249    | 10       |
| 11CB0070  | 0.4      | 0.049    | 114     | 0.3        | 0.049      | 6        | 35       | 1.3       | 310      | 0.258      | 1       | 2.85       | 0.014     | 0.6       | 0.1     | 0.02     | 4.7      | 0.2      | 0.0249    | 9        |
| 11CB0069  | 0.2      | 0.049    | 116     | 0.52       | 0.203      | 10       | 52       | 1.74      | 494      | 0.259      | 1       | 2.9        | 0.023     | 1.04      | 0.049   | 0.0049   | 10.7     | 0.3      | 0.0249    | 12       |
| 11CB0068  | 0.1      | 0.049    | 114     | 0.6        | 0.155      | 4        | 127      | 2.42      | 511      | 0.301      | 0.49    | 2.9        | 0.026     | 1.13      | 0.049   | 0.01     | 4.5      | 0.2      | 0.0249    | 9        |
| 11CB0067  | 0.4      | 0.1      | 100     | 0.4        | 0.042      | 7        | 71       | 1.39      | 414      | 0.208      | 2       | 2.22       | 0.014     | 0.34      | 0.1     | 0.02     | 3.3      | 0.2      | 0.0249    | 7        |
| 11CB0066  | 0.3      | 0.1      | 82      | 0.22       | 0.047      | 7        | 24       | 0.76      | 210      | 0.185      | 0.49    | 1.39       | 0.013     | 0.28      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 7        |
| 11CB0065  | 0.4      | 0.2      | 89      | 0.31       | 0.051      | 17       | 49       | 0.78      | 552      | 0.086      | 1       | 1.92       | 0.014     | 0.13      | 0.049   | 0.03     | 8.5      | 0.049    | 0.0249    | 8        |
| 11CB0064  | 0.2      | 0.1      | 54      | 0.48       | 0.053      | 18       | 27       | 0.78      | 547      | 0.025      | 0.49    | 1.93       | 0.009     | 0.17      | 0.049   | 0.02     | 5.4      | 0.049    | 0.0249    | 6        |
| 11CB0063  | 0.5      | 0.2      | 73      | 0.47       | 0.036      | 21       | 34       | 0.91      | 462      | 0.113      | 1       | 2.07       | 0.011     | 0.27      | 0.1     | 0.02     | 6.2      | 0.1      | 0.0249    | 7        |
| 11CB0062  | 0.4      | 0.2      | 63      | 0.46       | 0.025      | 24       | 36       | 0.57      | 760      | 0.077      | 0.49    | 1.73       | 0.013     | 0.17      | 0.049   | 0.03     | 5.5      | 0.049    | 0.0249    | 6        |
| 11CB0061  | 0.3      | 0.2      | 72      | 0.28       | 0.046      | 16       | 27       | 0.82      | 270      | 0.177      | 1       | 2.04       | 0.012     | 0.25      | 0.1     | 0.02     | 5.4      | 0.2      | 0.0249    | 7        |
| 11CB0060  | 0.4      | 0.2      | 84      | 0.28       | 0.038      | 16       | 37       | 0.85      | 253      | 0.179      | 2       | 2.57       | 0.018     | 0.12      | 0.1     | 0.02     | 5.6      | 0.2      | 0.0249    | 8        |
| 11CB0059  | 0.3      | 0.2      | 80      | 0.23       | 0.047      | 16       | 31       | 0.82      | 209      | 0.162      | 0.49    | 2.14       | 0.01      | 0.18      | 0.1     | 0.02     | 5.3      | 0.1      | 0.0249    | 8        |
| 11CB0058  | 0.3      | 0.2      | 78      | 0.25       | 0.04       | 22       | 29       | 0.96      | 267      | 0.188      | 0.49    | 2.35       | 0.011     | 0.23      | 0.2     | 0.02     | 6.3      | 0.2      | 0.0249    | 8        |
| 11CB0057  | 0.5      | 0.2      | 95      | 0.22       | 0.035      | 16       | 37       | 0.89      | 289      | 0.175      | 1       | 3          | 0.011     | 0.14      | 0.1     | 0.03     | 5.2      | 0.2      | 0.0249    | 10       |
| 11CB0056  | 0.5      | 0.2      | 98      | 0.23       | 0.033      | 16       | 35       | 0.91      | 316      | 0.16       | 0.49    | 2.88       | 0.011     | 0.12      | 0.1     | 0.02     | 6.1      | 0.2      | 0.0249    | 10       |
| 11CB0055  | 0.5      | 0.2      | 86      | 0.29       | 0.037      | 21       | 41       | 0.89      | 359      | 0.155      | 2       | 2.77       | 0.013     | 0.14      | 0.1     | 0.03     | 7.6      | 0.2      | 0.0249    | 9        |
| 11CB0054  | 0.4      | 0.2      | 77      | 0.28       | 0.057      | 16       | 32       | 0.79      | 279      | 0.139      | 1       | 2.37       | 0.01      | 0.14      | 0.1     | 0.03     | 5.1      | 0.1      | 0.0249    | 8        |
| 11CB0053  | 0.4      | 0.2      | 87      | 0.17       | 0.056      | 13       | 34       | 0.63      | 210      | 0.118      | 0.49    | 2.17       | 0.009     | 0.11      | 0.1     | 0.03     | 4.3      | 0.1      | 0.0249    | 9        |
| 11CB0052  | 0.4      | 0.2      | 85      | 0.12       | 0.078      | 9        | 28       | 0.52      | 203      | 0.131      | 0.49    | 1.69       | 0.01      | 0.15      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 9        |
| 11CB0051  | 0.5      | 0.2      | 88      | 0.19       | 0.037      | 16       | 42       | 0.8       | 286      | 0.129      | 1       | 2.66       | 0.011     | 0.1       | 0.1     | 0.03     | 6.1      | 0.2      | 0.0249    | 8        |
| 11CB0050  | 0.3      | 0.2      | 75      | 0.25       | 0.055      | 16       | 36       | 0.68      | 374      | 0.128      | 1       | 1.97       | 0.012     | 0.15      | 0.1     | 0.02     | 4.7      | 0.2      | 0.0249    | 8        |
| 11CB0049  | 0.4      | 0.2      | 76      | 0.19       | 0.051      | 14       | 31       | 0.78      | 255      | 0.15       | 1       | 2.12       | 0.014     | 0.2       | 0.1     | 0.02     | 5.3      | 0.2      | 0.0249    | 8        |
| 11CB0048  | 0.4      | 0.2      | 116     | 0.2        | 0.079      | 10       | 41       | 0.87      | 273      | 0.135      | 0.49    | 2.44       | 0.008     | 0.13      | 0.1     | 0.02     | 5.8      | 0.1      | 0.0249    | 10       |
| 11CB0047  | 0.4      | 0.2      | 75      | 0.24       | 0.057      | 16       | 51       | 0.66      | 476      | 0.071      | 1       | 2.34       | 0.009     | 0.1       | 0.1     | 0.02     | 5.1      | 0.1      | 0.05      | 7        |
| 11CB0046  | 0.4      | 0.2      | 118     | 1.34       | 0.406      | 46       | 200      | 2.2       | 1335     | 0.212      | 2       | 2.78       | 0.017     | 0.11      | 0.049   | 0.04     | 11.4     | 0.2      | 0.0249    | 9        |
| 11CB0045  | 0.4      | 0.3      | 93      | 0.37       | 0.047      | 10       | 53       | 0.93      | 333      | 0.116      | 1       | 2.17       | 0.011     | 0.08      | 0.1     | 0.03     | 4.5      | 0.1      | 0.0249    | 8        |
| 11CB0044  | 0.4      | 0.2      | 102     | 0.27       | 0.067      | 8        | 53       | 1.14      | 245      | 0.162      | 0.49    | 2.46       | 0.012     | 0.17      | 0.049   | 0.03     | 4.3      | 0.1      | 0.0249    | 7        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11CB0042  | 0.4      | 0.2      | 109     | 0.28       | 0.073      | 9        | 56       | 1.17      | 244      | 0.166      | 0.49    | 2.64       | 0.013     | 0.2       | 0.1     | 0.02     | 4.7      | 0.1      | 0.0249    | 8        |
| 11CB0041  | 0.2      | 0.2      | 83      | 0.36       | 0.109      | 15       | 32       | 1.11      | 281      | 0.172      | 0.49    | 2.15       | 0.011     | 0.31      | 0.1     | 0.02     | 5.8      | 0.1      | 0.05      | 10       |
| 11CB0040  | 0.5      | 0.2      | 76      | 0.24       | 0.068      | 10       | 31       | 0.64      | 318      | 0.094      | 0.49    | 1.98       | 0.011     | 0.07      | 0.1     | 0.03     | 3.7      | 0.1      | 0.0249    | 7        |
| 11CB0039  | 0.2      | 0.049    | 71      | 0.34       | 0.063      | 3        | 58       | 0.96      | 199      | 0.067      | 0.49    | 2.08       | 0.02      | 0.05      | 0.049   | 0.01     | 4.1      | 0.049    | 0.0249    | 6        |
| 11CB0038  | 0.5      | 0.3      | 87      | 0.34       | 0.091      | 19       | 104      | 1.45      | 363      | 0.176      | 0.49    | 2.36       | 0.012     | 0.09      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 9        |
| 11CB0037  | 0.7      | 0.2      | 73      | 0.13       | 0.028      | 11       | 45       | 0.67      | 255      | 0.086      | 0.49    | 2.22       | 0.01      | 0.06      | 0.1     | 0.02     | 4.6      | 0.049    | 0.0249    | 6        |
| 11CB0036  | 0.4      | 0.2      | 68      | 0.27       | 0.092      | 12       | 62       | 0.71      | 388      | 0.085      | 0.49    | 1.91       | 0.013     | 0.16      | 0.1     | 0.02     | 6.7      | 0.1      | 0.0249    | 8        |
| 11CB0035  | 0.2      | 0.049    | 53      | 0.27       | 0.097      | 6        | 13       | 1.12      | 238      | 0.116      | 0.49    | 2.16       | 0.009     | 0.17      | 0.049   | 0.0049   | 8.8      | 0.1      | 0.0249    | 10       |
| 11CB0034  | 0.4      | 0.049    | 100     | 0.33       | 0.073      | 6        | 35       | 1.11      | 287      | 0.141      | 0.49    | 2.38       | 0.021     | 0.4       | 0.049   | 0.02     | 5.6      | 0.2      | 0.0249    | 8        |
| 11CB0033  | 0.6      | 0.1      | 81      | 0.18       | 0.045      | 11       | 39       | 0.88      | 301      | 0.132      | 1       | 2.33       | 0.014     | 0.23      | 0.2     | 0.02     | 5        | 0.1      | 0.0249    | 7        |
| 11CB0032  | 0.5      | 0.2      | 91      | 0.21       | 0.046      | 9        | 28       | 0.76      | 490      | 0.142      | 0.49    | 2.26       | 0.01      | 0.28      | 0.2     | 0.02     | 5.1      | 0.2      | 0.0249    | 8        |
| 11CB0031  | 0.5      | 0.2      | 71      | 0.17       | 0.022      | 9        | 30       | 0.48      | 356      | 0.091      | 0.49    | 1.71       | 0.01      | 0.14      | 0.1     | 0.01     | 2.8      | 0.049    | 0.0249    | 7        |
| 11CB0030  | 0.5      | 0.2      | 65      | 0.14       | 0.027      | 10       | 26       | 0.58      | 267      | 0.12       | 1       | 1.91       | 0.01      | 0.21      | 0.1     | 0.0049   | 3.6      | 0.2      | 0.0249    | 7        |
| 11CB0029  | 0.5      | 0.2      | 74      | 0.23       | 0.026      | 10       | 31       | 0.73      | 244      | 0.128      | 0.49    | 2.34       | 0.01      | 0.22      | 0.1     | 0.02     | 4.5      | 0.1      | 0.0249    | 8        |
| 11CB0028  | 0.4      | 0.1      | 63      | 0.23       | 0.021      | 15       | 32       | 0.5       | 360      | 0.067      | 0.49    | 1.86       | 0.016     | 0.1       | 0.1     | 0.02     | 4.7      | 0.049    | 0.0249    | 6        |
| 11CB0027  | 0.6      | 0.2      | 65      | 0.21       | 0.024      | 11       | 31       | 0.63      | 382      | 0.051      | 0.49    | 1.99       | 0.009     | 0.11      | 0.1     | 0.0049   | 3.8      | 0.049    | 0.0249    | 6        |
| 11CB0026  | 0.6      | 0.1      | 63      | 0.25       | 0.023      | 13       | 37       | 0.59      | 812      | 0.051      | 2       | 2.18       | 0.009     | 0.18      | 0.1     | 0.0049   | 3.6      | 0.049    | 0.0249    | 6        |
| 11CB0025  | 0.4      | 0.1      | 64      | 0.34       | 0.043      | 20       | 35       | 0.69      | 636      | 0.044      | 0.49    | 2.08       | 0.012     | 0.16      | 0.049   | 0.01     | 5.1      | 0.049    | 0.0249    | 6        |
| 11CB0024  | 0.5      | 0.2      | 77      | 0.49       | 0.041      | 10       | 39       | 0.87      | 521      | 0.107      | 0.49    | 1.98       | 0.014     | 0.25      | 0.2     | 0.01     | 4.2      | 0.049    | 0.0249    | 6        |
| 11CB0023  | 0.3      | 0.049    | 77      | 0.41       | 0.042      | 7        | 36       | 1.33      | 350      | 0.187      | 0.49    | 2.31       | 0.015     | 0.55      | 0.1     | 0.0049   | 3.2      | 0.2      | 0.0249    | 7        |
| 11CB0022  | 0.4      | 0.1      | 62      | 0.25       | 0.021      | 9        | 33       | 0.84      | 237      | 0.109      | 0.49    | 1.89       | 0.011     | 0.35      | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 5        |
| 11CB0020  | 0.7      | 0.2      | 74      | 0.22       | 0.036      | 19       | 45       | 0.69      | 291      | 0.086      | 2       | 2.58       | 0.013     | 0.06      | 0.1     | 0.05     | 5.3      | 0.1      | 0.0249    | 6        |
| 11CB0019  | 0.4      | 0.1      | 64      | 0.31       | 0.075      | 15       | 35       | 0.75      | 249      | 0.098      | 0.49    | 1.93       | 0.015     | 0.08      | 0.1     | 0.02     | 4.8      | 0.049    | 0.0249    | 6        |
| 11CB0018  | 0.3      | 0.2      | 65      | 0.36       | 0.079      | 15       | 39       | 0.8       | 340      | 0.094      | 1       | 2.01       | 0.019     | 0.09      | 0.2     | 0.03     | 5.2      | 0.1      | 0.0249    | 7        |
| 11CB0017  | 0.3      | 0.049    | 120     | 0.28       | 0.112      | 6        | 32       | 1.3       | 253      | 0.205      | 0.49    | 2.57       | 0.018     | 0.45      | 0.049   | 0.0049   | 4.6      | 0.2      | 0.0249    | 10       |
| 11CB0016  | 0.6      | 0.2      | 93      | 0.23       | 0.061      | 9        | 38       | 0.61      | 196      | 0.091      | 0.49    | 2.05       | 0.021     | 0.1       | 0.2     | 0.03     | 3.2      | 0.049    | 0.0249    | 7        |
| 11CB0015  | 0.5      | 0.2      | 89      | 0.22       | 0.034      | 12       | 43       | 0.95      | 243      | 0.12       | 0.49    | 2.45       | 0.01      | 0.14      | 0.1     | 0.01     | 6.7      | 0.2      | 0.0249    | 8        |
| 11CB0014  | 0.5      | 0.1      | 101     | 0.23       | 0.07       | 8        | 33       | 1.16      | 191      | 0.144      | 2       | 2.44       | 0.016     | 0.18      | 0.1     | 0.03     | 6.2      | 0.1      | 0.0249    | 9        |
| 11CB0013  | 0.3      | 0.2      | 78      | 0.37       | 0.129      | 11       | 21       | 1.36      | 227      | 0.153      | 0.49    | 2.11       | 0.01      | 0.42      | 0.1     | 0.0049   | 10.5     | 0.2      | 0.0249    | 9        |
| 11CB0012  | 0.049    | 0.1      | 183     | 2.44       | 0.655      | 88       | 527      | 7.17      | 2823     | 0.104      | 1       | 4.64       | 0.038     | 0.53      | 0.049   | 0.03     | 15.6     | 0.4      | 0.0249    | 14       |
| 11CB0011  | 0.4      | 0.2      | 86      | 0.57       | 0.173      | 39       | 103      | 1.15      | 1564     | 0.068      | 2       | 2.31       | 0.015     | 0.09      | 0.049   | 0.02     | 8.5      | 0.2      | 0.0249    | 7        |
| 11CB0010  | 0.5      | 0.2      | 75      | 0.24       | 0.037      | 16       | 33       | 0.81      | 343      | 0.103      | 1       | 2.19       | 0.011     | 0.1       | 0.1     | 0.01     | 5.5      | 0.2      | 0.0249    | 8        |
| 11CB0009  | 0.4      | 0.2      | 62      | 0.32       | 0.063      | 13       | 33       | 0.85      | 261      | 0.124      | 0.49    | 1.93       | 0.01      | 0.23      | 0.2     | 0.0049   | 4.9      | 0.2      | 0.0249    | 7        |
| 11CB0008  | 0.8      | 0.1      | 72      | 0.2        | 0.034      | 14       | 41       | 0.77      | 359      | 0.102      | 1       | 2.41       | 0.01      | 0.08      | 0.1     | 0.02     | 4.6      | 0.1      | 0.0249    | 7        |
| 11CB0007  | 0.6      | 0.2      | 82      | 0.19       | 0.035      | 11       | 34       | 0.79      | 265      | 0.127      | 0.49    | 2.41       | 0.01      | 0.12      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 9        |
| 11CB0006  | 0.3      | 0.2      | 104     | 0.17       | 0.065      | 10       | 35       | 0.93      | 202      | 0.17       | 0.49    | 2.34       | 0.008     | 0.22      | 0.1     | 0.01     | 4.8      | 0.2      | 0.0249    | 9        |
| 11CB0005  | 0.4      | 0.3      | 92      | 0.16       | 0.041      | 11       | 30       | 0.45      | 204      | 0.127      | 0.49    | 2.03       | 0.008     | 0.13      | 0.1     | 0.02     | 3.5      | 0.1      | 0.0249    | 9        |
| 11CB0004  | 0.4      | 0.2      | 95      | 0.25       | 0.032      | 16       | 37       | 0.88      | 301      | 0.154      | 0.49    | 2.66       | 0.009     | 0.15      | 0.2     | 0.01     | 5.3      | 0.2      | 0.0249    | 9        |
| 11CB0003  | 0.4      | 0.2      | 86      | 0.19       | 0.029      | 10       | 36       | 0.84      | 257      | 0.122      | 0.49    | 2.4        | 0.009     | 0.11      | 0.2     | 0.01     | 5        | 0.1      | 0.0249    | 9        |
| 11CB0002  | 0.4      | 0.2      | 77      | 0.16       | 0.021      | 10       | 34       | 0.72      | 180      | 0.115      | 1       | 2.5        | 0.009     | 0.08      | 0.2     | 0.03     | 4.4      | 0.049    | 0.0249    | 8        |
| 11CB0001  | 0.5      | 0.2      | 75      | 0.17       | 0.029      | 9        | 30       | 0.74      | 199      | 0.128      | 0.49    | 2.13       | 0.009     | 0.09      | 0.1     | 0.01     | 4        | 0.1      | 0.0249    | 8        |
| 11BH0604  | 0.2      | 0.1      | 72      | 0.26       | 0.071      | 13       | 48       | 0.8       | 158      | 0.135      | 1       | 1.8        | 0.011     | 0.16      | 0.1     | 0.02     | 5.4      | 0.1      | 0.06      | 7        |
| 11BH0603  | 0.2      | 0.1      | 78      | 0.44       | 0.118      | 12       | 55       | 0.83      | 185      | 0.115      | 1       | 1.93       | 0.015     | 0.08      | 0.1     | 0.02     | 5        | 0.1      | 0.06      | 7        |
| 11BH0602  | 0.1      | 0.049    | 93      | 0.45       | 0.163      | 17       | 58       | 1.45      | 310      | 0.187      | 0.49    | 2.27       | 0.012     | 0.62      | 0.049   | 0.01     | 8.1      | 0.2      | 0.0249    | 9        |
| 11BH0601  | 0.1      | 0.049    | 99      | 0.46       | 0.106      | 23       | 150      | 2.32      | 510      | 0.244      | 0.49    | 2.83       | 0.012     | 0.84      | 0.049   | 0.0049   | 11.2     | 0.3      | 0.0249    | 10       |
| 11BH0600  | 0.4      | 0.1      | 62      | 0.24       | 0.049      | 16       | 51       | 0.84      | 237      | 0.112      | 0.49    | 1.69       | 0.012     | 0.19      | 0.049   | 0.02     | 5.7      | 0.1      | 0.0249    | 5        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11BH0599  | 0.4      | 0.1      | 67      | 0.39       | 0.073      | 28       | 77       | 1.01      | 349      | 0.128      | 2       | 2.11       | 0.016     | 0.14      | 0.1     | 0.01     | 6.5      | 0.1      | 0.0249    | 6        |
| 11BH0598  | 0.1      | 0.049    | 119     | 0.15       | 0.064      | 11       | 67       | 1.39      | 282      | 0.266      | 0.49    | 2.9        | 0.009     | 0.91      | 0.049   | 0.0049   | 13       | 0.3      | 0.0249    | 12       |
| 11BH0597  | 0.4      | 0.1      | 69      | 0.08       | 0.037      | 9        | 31       | 0.67      | 190      | 0.135      | 0.49    | 2.45       | 0.008     | 0.33      | 0.049   | 0.02     | 7.9      | 0.2      | 0.0249    | 7        |
| 11BH0596  | 0.3      | 0.2      | 71      | 0.2        | 0.039      | 12       | 40       | 0.52      | 179      | 0.055      | 1       | 1.67       | 0.01      | 0.04      | 0.1     | 0.03     | 3.6      | 0.049    | 0.0249    | 7        |
| 11BH0595  | 0.4      | 0.1      | 130     | 1.15       | 0.412      | 13       | 72       | 0.65      | 246      | 0.039      | 1       | 1.54       | 0.012     | 0.04      | 0.1     | 0.03     | 5.9      | 0.049    | 0.0249    | 5        |
| 11BH0594  | 0.2      | 0.049    | 61      | 0.44       | 0.162      | 19       | 10       | 0.67      | 263      | 0.01       | 0.49    | 1.77       | 0.007     | 0.09      | 0.049   | 0.0049   | 4.2      | 0.049    | 0.0249    | 7        |
| 11BH0593  | 0.2      | 0.049    | 104     | 1.1        | 0.155      | 10       | 17       | 0.76      | 194      | 0.106      | 1       | 2.77       | 0.053     | 0.08      | 0.049   | 0.0049   | 5.4      | 0.049    | 0.06      | 10       |
| 11BH0592  | 0.2      | 0.049    | 151     | 1.08       | 0.205      | 20       | 25       | 1         | 284      | 0.125      | 0.49    | 2.9        | 0.028     | 0.18      | 0.049   | 0.02     | 9.7      | 0.049    | 0.0249    | 13       |
| 11BH0591  | 0.1      | 0.049    | 154     | 1.23       | 0.134      | 8        | 21       | 1.28      | 257      | 0.212      | 0.49    | 3.18       | 0.057     | 0.12      | 0.049   | 0.01     | 7.5      | 0.049    | 0.0249    | 11       |
| 11BH0590  | 0.2      | 0.1      | 100     | 0.78       | 0.084      | 14       | 41       | 0.67      | 238      | 0.108      | 0.49    | 2.41       | 0.037     | 0.08      | 0.049   | 0.02     | 5.2      | 0.049    | 0.06      | 10       |
| 11BH0589  | 0.6      | 0.1      | 78      | 1.16       | 0.144      | 17       | 40       | 0.8       | 817      | 0.044      | 2       | 1.92       | 0.018     | 0.11      | 0.1     | 0.03     | 7.1      | 0.049    | 0.08      | 7        |
| 11BH0588  | 0.3      | 0.049    | 109     | 0.9        | 0.257      | 10       | 21       | 1.47      | 555      | 0.111      | 3       | 2.79       | 0.022     | 0.19      | 0.1     | 0.0049   | 6.8      | 0.1      | 0.08      | 10       |
| 11BH0587  | 0.3      | 0.1      | 65      | 0.37       | 0.092      | 10       | 21       | 0.51      | 237      | 0.098      | 1       | 1.52       | 0.016     | 0.1       | 0.1     | 0.02     | 2.6      | 0.049    | 0.0249    | 7        |
| 11BH0586  | 0.5      | 0.1      | 52      | 0.41       | 0.123      | 37       | 26       | 0.17      | 548      | 0.004      | 2       | 0.99       | 0.005     | 0.17      | 0.2     | 0.03     | 7.5      | 0.049    | 0.0249    | 3        |
| 11BH0585  | 2.2      | 0.049    | 39      | 0.25       | 0.081      | 11       | 12       | 0.2       | 707      | 0.006      | 2       | 1.27       | 0.005     | 0.19      | 0.1     | 0.0049   | 4.2      | 0.1      | 0.0249    | 3        |
| 11BH0584  | 0.6      | 0.2      | 84      | 0.43       | 0.054      | 19       | 70       | 0.43      | 1073     | 0.032      | 2       | 2.16       | 0.01      | 0.14      | 0.2     | 0.01     | 5.2      | 0.1      | 0.0249    | 7        |
| 11BH0583  | 0.5      | 0.1      | 72      | 0.42       | 0.074      | 14       | 42       | 0.46      | 628      | 0.037      | 2       | 1.81       | 0.012     | 0.15      | 0.1     | 0.02     | 7.7      | 0.1      | 0.07      | 5        |
| 11BH0582  | 0.9      | 0.1      | 77      | 0.57       | 0.038      | 16       | 45       | 0.51      | 962      | 0.036      | 1       | 2.16       | 0.013     | 0.15      | 0.2     | 0.02     | 8.2      | 0.1      | 0.09      | 6        |
| 11BH0581  | 0.5      | 0.049    | 47      | 0.5        | 0.089      | 19       | 15       | 0.25      | 970      | 0.005      | 3       | 1.36       | 0.009     | 0.21      | 0.049   | 0.02     | 7.6      | 0.1      | 0.0249    | 3        |
| 11BH0580  | 0.7      | 0.1      | 65      | 0.61       | 0.07       | 18       | 30       | 0.53      | 1039     | 0.043      | 2       | 1.59       | 0.02      | 0.14      | 0.2     | 0.03     | 10.2     | 0.049    | 0.06      | 5        |
| 11BH0579  | 0.5      | 0.2      | 70      | 0.74       | 0.088      | 44       | 81       | 0.63      | 1521     | 0.035      | 2       | 1.93       | 0.017     | 0.09      | 0.1     | 0.03     | 7.1      | 0.1      | 0.0249    | 6        |
| 11BH0578  | 0.6      | 0.049    | 47      | 0.28       | 0.059      | 13       | 28       | 0.25      | 840      | 0.008      | 2       | 1.45       | 0.005     | 0.16      | 0.3     | 0.05     | 6.1      | 0.1      | 0.0249    | 3        |
| 11BH0577  | 0.5      | 0.1      | 76      | 0.4        | 0.095      | 16       | 32       | 0.54      | 494      | 0.055      | 2       | 2.02       | 0.012     | 0.13      | 0.1     | 0.02     | 7.5      | 0.1      | 0.0249    | 6        |
| 11BH0576  | 1.1      | 0.2      | 69      | 0.71       | 0.189      | 13       | 41       | 0.43      | 1270     | 0.017      | 3       | 1.49       | 0.011     | 0.17      | 0.1     | 0.06     | 10.5     | 0.1      | 0.1       | 5        |
| 11BH0575  | 0.6      | 0.1      | 71      | 0.5        | 0.111      | 14       | 27       | 0.51      | 976      | 0.023      | 2       | 2.06       | 0.011     | 0.11      | 0.1     | 0.02     | 6.2      | 0.1      | 0.0249    | 6        |
| 11BH0489  | 0.1      | 0.049    | 48      | 0.21       | 0.035      | 17       | 25       | 1.15      | 222      | 0.197      | 0.49    | 2.07       | 0.009     | 0.48      | 0.1     | 0.0049   | 5.6      | 0.3      | 0.0249    | 8        |
| 11BH0488  | 0.2      | 0.049    | 92      | 0.84       | 0.068      | 9        | 55       | 1.15      | 291      | 0.139      | 0.49    | 2.63       | 0.03      | 0.08      | 0.049   | 0.02     | 6.6      | 0.049    | 0.0249    | 7        |
| 11BH0487  | 0.2      | 0.049    | 104     | 0.61       | 0.053      | 7        | 39       | 1.38      | 235      | 0.207      | 1       | 2.84       | 0.023     | 0.13      | 0.1     | 0.01     | 5.7      | 0.1      | 0.0249    | 8        |
| 11BH0486  | 0.2      | 0.049    | 67      | 0.35       | 0.102      | 3        | 10       | 0.93      | 134      | 0.248      | 0.49    | 2.39       | 0.007     | 0.56      | 0.049   | 0.0049   | 2        | 0.4      | 0.0249    | 6        |
| 11BH0485  | 0.2      | 0.049    | 146     | 0.65       | 0.089      | 6        | 19       | 1.53      | 340      | 0.259      | 1       | 2.88       | 0.018     | 0.59      | 0.2     | 0.0049   | 5.6      | 0.3      | 0.0249    | 9        |
| 11BH0484  | 0.2      | 0.2      | 64      | 0.22       | 0.02       | 13       | 23       | 0.56      | 213      | 0.064      | 0.49    | 1.63       | 0.008     | 0.09      | 0.1     | 0.02     | 3.6      | 0.2      | 0.0249    | 6        |
| 11BH0483  | 0.3      | 0.1      | 109     | 0.24       | 0.041      | 6        | 59       | 1.2       | 135      | 0.187      | 0.49    | 2.5        | 0.013     | 0.15      | 0.2     | 0.01     | 3.5      | 0.2      | 0.0249    | 9        |
| 11BH0482  | 0.4      | 0.1      | 87      | 0.17       | 0.034      | 6        | 26       | 0.83      | 139      | 0.148      | 0.49    | 2.33       | 0.012     | 0.07      | 0.2     | 0.02     | 2.7      | 0.049    | 0.0249    | 8        |
| 11BH0481  | 0.3      | 0.2      | 70      | 0.22       | 0.024      | 8        | 26       | 0.7       | 209      | 0.107      | 0.49    | 2.15       | 0.011     | 0.06      | 0.1     | 0.02     | 2.6      | 0.1      | 0.0249    | 6        |
| 11BH0480  | 0.4      | 0.4      | 61      | 0.17       | 0.041      | 7        | 27       | 0.44      | 202      | 0.038      | 0.49    | 1.8        | 0.007     | 0.07      | 0.049   | 0.02     | 2        | 0.1      | 0.0249    | 6        |
| 11BH0479  | 0.3      | 0.3      | 70      | 0.3        | 0.038      | 12       | 25       | 0.96      | 295      | 0.127      | 0.49    | 2.18       | 0.012     | 0.25      | 0.1     | 0.02     | 3.5      | 0.2      | 0.0249    | 7        |
| 11BH0478  | 0.3      | 0.2      | 71      | 0.29       | 0.037      | 12       | 28       | 0.9       | 295      | 0.12       | 1       | 2.19       | 0.012     | 0.2       | 0.049   | 0.02     | 3.6      | 0.2      | 0.0249    | 6        |
| 11BH0477  | 0.3      | 0.2      | 68      | 0.28       | 0.038      | 12       | 22       | 0.88      | 299      | 0.126      | 0.49    | 2          | 0.012     | 0.3       | 0.1     | 0.02     | 3.2      | 0.2      | 0.0249    | 6        |
| 11BH0476  | 0.3      | 0.2      | 60      | 0.23       | 0.035      | 11       | 28       | 0.74      | 279      | 0.056      | 0.49    | 2          | 0.009     | 0.06      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 6        |
| 11BH0475  | 0.3      | 0.3      | 63      | 0.21       | 0.037      | 8        | 31       | 0.72      | 182      | 0.082      | 0.49    | 1.99       | 0.011     | 0.08      | 0.1     | 0.02     | 2.6      | 0.1      | 0.0249    | 6        |
| 11BH0474  | 0.3      | 0.3      | 76      | 0.34       | 0.044      | 13       | 25       | 0.98      | 336      | 0.146      | 0.49    | 2.31       | 0.013     | 0.31      | 0.1     | 0.02     | 3.8      | 0.2      | 0.0249    | 7        |
| 11BH0473  | 0.3      | 0.2      | 72      | 0.33       | 0.044      | 13       | 28       | 0.99      | 313      | 0.135      | 0.49    | 2.37       | 0.013     | 0.28      | 0.1     | 0.02     | 4.5      | 0.2      | 0.0249    | 7        |
| 11BH0472  | 0.3      | 0.1      | 79      | 0.19       | 0.026      | 6        | 23       | 0.89      | 257      | 0.186      | 0.49    | 2.31       | 0.011     | 0.12      | 0.2     | 0.02     | 2.2      | 0.2      | 0.0249    | 8        |
| 11BH0471  | 0.4      | 0.3      | 76      | 0.15       | 0.034      | 8        | 36       | 0.47      | 200      | 0.06       | 0.49    | 2.34       | 0.008     | 0.05      | 0.1     | 0.04     | 2.8      | 0.1      | 0.0249    | 7        |
| 11BH0470  | 0.2      | 0.3      | 108     | 0.69       | 0.165      | 10       | 38       | 1.21      | 581      | 0.047      | 0.49    | 2.54       | 0.014     | 0.25      | 0.049   | 0.02     | 13.5     | 0.2      | 0.0249    | 8        |
| 11BH0469  | 0.3      | 0.4      | 68      | 0.28       | 0.048      | 12       | 24       | 0.83      | 326      | 0.128      | 1       | 2.03       | 0.012     | 0.35      | 0.1     | 0.02     | 3.1      | 0.2      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11BH0468  | 0.4      | 0.7      | 60      | 0.26       | 0.041      | 43       | 48       | 0.61      | 459      | 0.049      | 1       | 1.91       | 0.012     | 0.08      | 0.1     | 0.07     | 7.7      | 0.2      | 0.0249    | 6        |
| 11BH0467  | 0.5      | 0.5      | 59      | 0.17       | 0.035      | 17       | 36       | 0.6       | 322      | 0.069      | 0.49    | 2.35       | 0.011     | 0.12      | 0.049   | 0.03     | 4.5      | 0.1      | 0.0249    | 6        |
| 11BH0466  | 0.3      | 1        | 31      | 0.13       | 0.031      | 17       | 14       | 0.41      | 294      | 0.029      | 0.49    | 2.14       | 0.008     | 0.22      | 0.049   | 0.0049   | 3        | 0.2      | 0.0249    | 5        |
| 11BH0465  | 0.5      | 0.3      | 57      | 0.27       | 0.024      | 13       | 40       | 0.6       | 306      | 0.059      | 1       | 2.14       | 0.012     | 0.07      | 0.049   | 0.01     | 3.6      | 0.1      | 0.0249    | 5        |
| 11BH0464  | 0.3      | 0.2      | 75      | 0.36       | 0.039      | 12       | 26       | 1.05      | 318      | 0.151      | 0.49    | 2.46       | 0.016     | 0.29      | 0.049   | 0.0049   | 4        | 0.2      | 0.0249    | 7        |
| 11BH0463  | 0.3      | 0.3      | 71      | 0.32       | 0.042      | 12       | 26       | 0.93      | 322      | 0.138      | 0.49    | 2.27       | 0.015     | 0.32      | 0.1     | 0.01     | 3.7      | 0.2      | 0.0249    | 6        |
| 11BH0462  | 0.1      | 0.2      | 22      | 0.13       | 0.026      | 17       | 12       | 0.14      | 349      | 0.016      | 0.49    | 0.86       | 0.007     | 0.06      | 0.049   | 0.0049   | 1.1      | 0.049    | 0.0249    | 3        |
| 11BH0461  | 0.4      | 0.3      | 28      | 0.2        | 0.021      | 25       | 18       | 0.42      | 731      | 0.015      | 0.49    | 2.22       | 0.008     | 0.2       | 0.049   | 0.02     | 2.8      | 0.1      | 0.0249    | 5        |
| 11BH0460  | 0.3      | 0.4      | 75      | 0.2        | 0.026      | 8        | 23       | 0.8       | 226      | 0.124      | 2       | 2.23       | 0.011     | 0.33      | 0.049   | 0.0049   | 3.5      | 0.1      | 0.0249    | 8        |
| 11BH0459  | 0.3      | 0.3      | 69      | 0.34       | 0.042      | 13       | 26       | 0.86      | 320      | 0.136      | 0.49    | 2.12       | 0.015     | 0.27      | 0.049   | 0.01     | 3.9      | 0.2      | 0.0249    | 7        |
| 11BH0458  | 0.3      | 1.1      | 39      | 0.18       | 0.022      | 15       | 23       | 0.49      | 249      | 0.04       | 0.49    | 1.4        | 0.01      | 0.11      | 0.049   | 0.01     | 2.1      | 0.1      | 0.0249    | 5        |
| 11BH0457  | 0.2      | 0.2      | 105     | 0.38       | 0.036      | 15       | 23       | 1.57      | 287      | 0.299      | 0.49    | 3.41       | 0.012     | 0.79      | 0.2     | 0.01     | 3.6      | 0.6      | 0.0249    | 10       |
| 11BH0456  | 0.3      | 0.3      | 82      | 0.35       | 0.04       | 10       | 28       | 1.09      | 328      | 0.201      | 0.49    | 2.54       | 0.015     | 0.47      | 0.1     | 0.0049   | 3.2      | 0.3      | 0.0249    | 7        |
| 11BH0455  | 0.2      | 0.049    | 83      | 0.36       | 0.044      | 6        | 19       | 1.12      | 219      | 0.243      | 0.49    | 2.42       | 0.019     | 0.52      | 0.049   | 0.0049   | 2.8      | 0.2      | 0.0249    | 8        |
| 11BH0454  | 0.3      | 0.5      | 27      | 0.63       | 0.027      | 17       | 20       | 1.2       | 212      | 0.073      | 0.49    | 2.4        | 0.01      | 0.13      | 0.049   | 0.02     | 2.9      | 0.2      | 0.05      | 6        |
| 11BH0453  | 0.5      | 0.8      | 57      | 0.39       | 0.046      | 33       | 34       | 0.77      | 303      | 0.086      | 2       | 2.02       | 0.015     | 0.36      | 0.049   | 0.02     | 5.2      | 0.3      | 0.08      | 7        |
| 11BH0452  | 0.2      | 0.7      | 56      | 0.37       | 0.04       | 20       | 19       | 0.89      | 298      | 0.066      | 1       | 2.06       | 0.012     | 0.15      | 0.1     | 0.03     | 6.1      | 0.1      | 0.0249    | 8        |
| 11BH0451  | 0.3      | 0.6      | 32      | 0.38       | 0.028      | 18       | 15       | 0.43      | 331      | 0.034      | 0.49    | 1.59       | 0.01      | 0.17      | 0.049   | 0.02     | 3        | 0.1      | 0.0249    | 5        |
| 11BH0450  | 0.4      | 0.5      | 53      | 0.23       | 0.023      | 12       | 23       | 0.43      | 208      | 0.038      | 0.49    | 1.82       | 0.012     | 0.13      | 0.049   | 0.02     | 3.2      | 0.049    | 0.0249    | 6        |
| 11BH0449  | 0.2      | 0.3      | 24      | 0.19       | 0.019      | 23       | 12       | 0.42      | 320      | 0.025      | 0.49    | 1.79       | 0.008     | 0.24      | 0.049   | 0.01     | 2.6      | 0.2      | 0.0249    | 5        |
| 11BH0448  | 0.2      | 0.2      | 28      | 0.17       | 0.029      | 15       | 15       | 0.34      | 278      | 0.019      | 0.49    | 1.72       | 0.008     | 0.19      | 0.049   | 0.0049   | 2.2      | 0.1      | 0.0249    | 5        |
| 11BH0447  | 0.3      | 0.2      | 16      | 0.11       | 0.012      | 17       | 10       | 0.21      | 555      | 0.008      | 0.49    | 1.79       | 0.007     | 0.08      | 0.049   | 0.02     | 2.2      | 0.1      | 0.0249    | 4        |
| 11BH0446  | 0.4      | 0.3      | 68      | 0.21       | 0.024      | 12       | 34       | 0.45      | 293      | 0.064      | 0.49    | 1.96       | 0.009     | 0.07      | 0.1     | 0.02     | 3.2      | 0.1      | 0.0249    | 7        |
| 11BH0445  | 0.5      | 0.3      | 57      | 0.15       | 0.028      | 15       | 23       | 0.49      | 264      | 0.06       | 0.49    | 2.1        | 0.008     | 0.16      | 0.1     | 0.02     | 3.3      | 0.2      | 0.0249    | 6        |
| 11BH0444  | 0.3      | 0.3      | 51      | 0.11       | 0.035      | 12       | 24       | 0.44      | 149      | 0.056      | 1       | 1.73       | 0.009     | 0.1       | 0.1     | 0.02     | 2.9      | 0.049    | 0.0249    | 6        |
| 11BH0443  | 0.4      | 0.2      | 60      | 0.15       | 0.023      | 16       | 32       | 0.45      | 304      | 0.048      | 1       | 2.22       | 0.01      | 0.07      | 0.1     | 0.03     | 3.6      | 0.1      | 0.0249    | 6        |
| 11BH0442  | 0.4      | 0.2      | 57      | 0.16       | 0.056      | 16       | 24       | 0.39      | 259      | 0.046      | 0.49    | 2.03       | 0.008     | 0.15      | 0.1     | 0.02     | 3.3      | 0.1      | 0.0249    | 6        |
| 11BH0441  | 0.3      | 0.2      | 60      | 0.13       | 0.03       | 11       | 24       | 0.55      | 174      | 0.07       | 0.49    | 2.34       | 0.01      | 0.11      | 0.1     | 0.0049   | 3.2      | 0.1      | 0.0249    | 8        |
| 11BH0440  | 0.5      | 0.3      | 79      | 0.2        | 0.035      | 14       | 29       | 0.57      | 261      | 0.089      | 1       | 2.05       | 0.01      | 0.11      | 0.2     | 0.02     | 3.4      | 0.1      | 0.0249    | 8        |
| 11BH0439  | 0.4      | 0.3      | 57      | 0.21       | 0.038      | 21       | 30       | 0.56      | 330      | 0.069      | 0.49    | 2          | 0.01      | 0.13      | 0.2     | 0.01     | 3.2      | 0.2      | 0.0249    | 6        |
| 11BH0438  | 0.4      | 0.5      | 67      | 0.16       | 0.031      | 20       | 36       | 0.59      | 300      | 0.07       | 0.49    | 2.43       | 0.011     | 0.11      | 0.1     | 0.03     | 3.5      | 0.2      | 0.0249    | 7        |
| 11BH0437  | 0.4      | 0.3      | 93      | 0.24       | 0.06       | 13       | 55       | 0.77      | 311      | 0.087      | 0.49    | 2.31       | 0.012     | 0.1       | 0.2     | 0.02     | 3.7      | 0.1      | 0.0249    | 8        |
| 11BH0436  | 0.5      | 0.3      | 77      | 0.11       | 0.033      | 16       | 50       | 0.58      | 203      | 0.085      | 1       | 2.27       | 0.01      | 0.09      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 7        |
| 11BH0435  | 0.5      | 0.5      | 62      | 0.26       | 0.027      | 13       | 27       | 0.39      | 263      | 0.06       | 0.49    | 1.56       | 0.01      | 0.1       | 0.1     | 0.0049   | 2.4      | 0.1      | 0.0249    | 6        |
| 11BH0434  | 0.5      | 0.5      | 76      | 0.16       | 0.035      | 13       | 32       | 0.48      | 311      | 0.056      | 0.49    | 2.26       | 0.013     | 0.08      | 0.1     | 0.02     | 3.7      | 0.1      | 0.0249    | 7        |
| 11BH0433  | 0.6      | 0.2      | 72      | 0.15       | 0.021      | 17       | 43       | 0.55      | 272      | 0.083      | 0.49    | 2.36       | 0.018     | 0.05      | 0.1     | 0.04     | 6.2      | 0.049    | 0.0249    | 6        |
| 11BH0432  | 0.6      | 0.2      | 72      | 0.16       | 0.023      | 21       | 39       | 0.53      | 356      | 0.082      | 0.49    | 2.36       | 0.017     | 0.06      | 0.1     | 0.02     | 3.9      | 0.049    | 0.0249    | 6        |
| 11BH0431  | 0.1      | 0.2      | 39      | 0.19       | 0.047      | 20       | 9        | 0.68      | 111      | 0.127      | 0.49    | 2.39       | 0.007     | 0.57      | 0.049   | 0.0049   | 2.5      | 0.5      | 0.0249    | 8        |
| 11BH0430  | 0.3      | 0.3      | 45      | 0.18       | 0.057      | 14       | 19       | 0.51      | 292      | 0.068      | 0.49    | 1.97       | 0.012     | 0.29      | 0.1     | 0.01     | 3        | 0.2      | 0.0249    | 7        |
| 11BH0429  | 0.7      | 0.2      | 61      | 0.24       | 0.032      | 28       | 40       | 0.58      | 331      | 0.1        | 1       | 1.77       | 0.016     | 0.08      | 0.1     | 0.02     | 5.8      | 0.049    | 0.0249    | 5        |
| 11BH0428  | 0.5      | 0.3      | 68      | 0.97       | 0.041      | 27       | 44       | 0.73      | 533      | 0.069      | 1       | 2.12       | 0.014     | 0.12      | 0.1     | 0.04     | 8.5      | 0.1      | 0.06      | 6        |
| 11BH0427  | 0.3      | 0.4      | 70      | 0.54       | 0.073      | 15       | 15       | 0.91      | 319      | 0.202      | 0.49    | 2.08       | 0.015     | 0.68      | 0.1     | 0.02     | 5.7      | 0.3      | 0.0249    | 9        |
| 11BH0426  | 0.3      | 0.3      | 72      | 0.42       | 0.031      | 13       | 39       | 0.64      | 269      | 0.101      | 0.49    | 1.61       | 0.014     | 0.18      | 0.1     | 0.02     | 3.9      | 0.1      | 0.0249    | 8        |
| 11BH0425  | 0.3      | 0.5      | 62      | 0.49       | 0.057      | 19       | 25       | 0.84      | 261      | 0.125      | 0.49    | 1.89       | 0.016     | 0.2       | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 7        |
| 11BH0424  | 0.5      | 0.6      | 71      | 0.21       | 0.062      | 18       | 39       | 0.59      | 292      | 0.082      | 0.49    | 2.35       | 0.011     | 0.1       | 0.2     | 0.03     | 3.9      | 0.2      | 0.0249    | 7        |
| 11BH0423  | 1.2      | 2.7      | 18      | 0.05       | 0.054      | 22       | 13       | 0.13      | 200      | 0.006      | 0.49    | 1.21       | 0.013     | 0.18      | 0.049   | 0.04     | 1.5      | 0.1      | 0.24      | 2        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11BH0422  | 0.6      | 0.6      | 56      | 0.13       | 0.028      | 17       | 30       | 0.45      | 213      | 0.071      | 0.49    | 2.3        | 0.011     | 0.11      | 0.1     | 0.04     | 3.2      | 0.2      | 0.0249    | 6        |
| 11BH0421  | 0.4      | 0.5      | 61      | 0.2        | 0.051      | 23       | 31       | 0.54      | 270      | 0.086      | 1       | 2.15       | 0.014     | 0.1       | 0.1     | 0.03     | 4.3      | 0.2      | 0.0249    | 7        |
| 11BH0420  | 0.4      | 0.4      | 82      | 0.51       | 0.219      | 41       | 132      | 1.2       | 324      | 0.081      | 0.49    | 2.66       | 0.01      | 0.11      | 0.2     | 0.03     | 6        | 0.2      | 0.0249    | 8        |
| 11BH0419  | 0.3      | 0.2      | 58      | 0.41       | 0.092      | 30       | 66       | 0.8       | 583      | 0.066      | 1       | 2.01       | 0.012     | 0.08      | 0.1     | 0.04     | 5.5      | 0.1      | 0.0249    | 6        |
| 11BH0418  | 0.3      | 0.3      | 69      | 0.43       | 0.126      | 40       | 68       | 1.06      | 423      | 0.109      | 0.49    | 2.29       | 0.015     | 0.14      | 0.1     | 0.02     | 4.4      | 0.2      | 0.0249    | 7        |
| 11BH0417  | 0.3      | 0.9      | 45      | 0.34       | 0.066      | 24       | 19       | 0.47      | 624      | 0.068      | 0.49    | 1.8        | 0.011     | 0.19      | 0.1     | 0.03     | 3.9      | 0.2      | 0.0249    | 6        |
| 11BH0416  | 0.5      | 0.3      | 74      | 0.18       | 0.052      | 12       | 34       | 0.69      | 201      | 0.126      | 1       | 2.63       | 0.011     | 0.22      | 0.2     | 0.02     | 3.6      | 0.3      | 0.0249    | 7        |
| 11BH0415  | 0.5      | 0.3      | 62      | 0.18       | 0.033      | 16       | 37       | 0.58      | 272      | 0.081      | 1       | 2.4        | 0.01      | 0.08      | 0.1     | 0.03     | 3.9      | 0.1      | 0.0249    | 6        |
| 11BH0414  | 0.4      | 0.6      | 57      | 0.23       | 0.047      | 17       | 35       | 0.55      | 302      | 0.064      | 1       | 2.04       | 0.01      | 0.1       | 0.1     | 0.03     | 3.3      | 0.2      | 0.0249    | 5        |
| 11BH0413  | 0.6      | 0.4      | 68      | 0.25       | 0.041      | 27       | 48       | 0.64      | 486      | 0.073      | 1       | 2.04       | 0.019     | 0.06      | 0.1     | 0.05     | 5.1      | 0.1      | 0.0249    | 6        |
| 11BH0412  | 0.5      | 0.6      | 58      | 0.13       | 0.042      | 12       | 21       | 0.58      | 238      | 0.05       | 0.49    | 2.91       | 0.01      | 0.21      | 0.1     | 0.06     | 3.9      | 0.3      | 0.0249    | 6        |
| 11BH0411  | 0.6      | 1.2      | 27      | 0.08       | 0.027      | 24       | 14       | 0.2       | 294      | 0.008      | 0.49    | 1.88       | 0.007     | 0.11      | 0.1     | 0.02     | 2.8      | 0.1      | 0.0249    | 4        |
| 11BH0410  | 0.7      | 2.9      | 27      | 0.16       | 0.031      | 38       | 12       | 0.26      | 438      | 0.009      | 0.49    | 1.74       | 0.007     | 0.2       | 0.049   | 0.01     | 2.4      | 0.2      | 0.0249    | 5        |
| 11BH0409  | 0.9      | 2        | 34      | 0.17       | 0.041      | 17       | 15       | 0.21      | 262      | 0.016      | 1       | 1.32       | 0.013     | 0.16      | 0.049   | 0.03     | 2.9      | 0.2      | 0.11      | 4        |
| 11BH0408  | 0.7      | 0.4      | 57      | 0.21       | 0.02       | 17       | 35       | 0.51      | 458      | 0.061      | 2       | 1.91       | 0.013     | 0.08      | 0.1     | 0.05     | 4.4      | 0.049    | 0.0249    | 5        |
| 11BH0407  | 1.4      | 0.8      | 42      | 0.14       | 0.023      | 22       | 24       | 0.35      | 346      | 0.034      | 1       | 1.7        | 0.012     | 0.1       | 0.1     | 0.04     | 3.3      | 0.1      | 0.0249    | 5        |
| 11BH0406  | 0.8      | 0.6      | 50      | 0.34       | 0.036      | 28       | 29       | 0.53      | 484      | 0.062      | 0.49    | 1.82       | 0.02      | 0.11      | 0.1     | 0.01     | 4.2      | 0.1      | 0.0249    | 5        |
| 11BH0405  | 0.5      | 0.5      | 61      | 0.22       | 0.023      | 18       | 35       | 0.55      | 320      | 0.065      | 0.49    | 2.25       | 0.015     | 0.1       | 0.2     | 0.03     | 3.8      | 0.1      | 0.0249    | 6        |
| 11BH0404  | 0.6      | 0.6      | 53      | 0.22       | 0.017      | 16       | 27       | 0.49      | 280      | 0.054      | 2       | 2.05       | 0.013     | 0.12      | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 6        |
| 11BH0403  | 0.4      | 0.3      | 53      | 0.22       | 0.02       | 18       | 34       | 0.62      | 295      | 0.086      | 0.49    | 2.06       | 0.019     | 0.14      | 0.1     | 0.02     | 4.1      | 0.1      | 0.0249    | 6        |
| 11BH0402  | 0.4      | 0.2      | 50      | 0.27       | 0.022      | 23       | 31       | 0.53      | 349      | 0.081      | 0.49    | 1.55       | 0.013     | 0.12      | 0.1     | 0.02     | 4.1      | 0.049    | 0.0249    | 5        |
| 11BH0401  | 0.3      | 0.4      | 53      | 0.23       | 0.021      | 23       | 28       | 0.52      | 297      | 0.079      | 0.49    | 1.73       | 0.011     | 0.15      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 6        |
| 11BH0400  | 0.3      | 0.2      | 37      | 0.22       | 0.024      | 17       | 14       | 0.59      | 256      | 0.088      | 0.49    | 1.7        | 0.014     | 0.36      | 0.049   | 0.0049   | 2.7      | 0.2      | 0.0249    | 6        |
| 11BH0399  | 0.2      | 0.2      | 43      | 0.31       | 0.026      | 16       | 20       | 0.6       | 280      | 0.097      | 0.49    | 1.8        | 0.009     | 0.23      | 0.1     | 0.02     | 3        | 0.1      | 0.0249    | 7        |
| 11BH0398  | 0.3      | 0.2      | 41      | 0.33       | 0.039      | 22       | 20       | 0.77      | 377      | 0.059      | 0.49    | 2.14       | 0.007     | 0.33      | 0.049   | 0.02     | 3.6      | 0.2      | 0.0249    | 9        |
| 11BH0397  | 0.4      | 0.3      | 81      | 0.15       | 0.077      | 15       | 70       | 0.75      | 362      | 0.048      | 0.49    | 3.67       | 0.01      | 0.1       | 0.1     | 0.02     | 5        | 0.2      | 0.0249    | 9        |
| 11BH0396  | 0.4      | 0.1      | 54      | 0.27       | 0.057      | 22       | 42       | 0.6       | 313      | 0.068      | 1       | 1.64       | 0.013     | 0.08      | 0.2     | 0.02     | 3.4      | 0.049    | 0.0249    | 5        |
| 11BH0395  | 0.3      | 0.3      | 82      | 0.11       | 0.059      | 18       | 48       | 0.53      | 120      | 0.101      | 0.49    | 1.49       | 0.016     | 0.09      | 0.1     | 0.02     | 3.4      | 0.2      | 0.0249    | 8        |
| 11BH0394  | 0.5      | 0.2      | 70      | 0.3        | 0.055      | 22       | 40       | 0.7       | 372      | 0.098      | 1       | 2.2        | 0.01      | 0.11      | 0.1     | 0.03     | 4.7      | 0.2      | 0.0249    | 7        |
| 11BH0393  | 0.5      | 0.2      | 65      | 0.24       | 0.052      | 23       | 50       | 0.65      | 379      | 0.078      | 1       | 2          | 0.011     | 0.06      | 0.2     | 0.03     | 4.2      | 0.049    | 0.0249    | 6        |
| 11BH0392  | 0.4      | 0.2      | 66      | 0.29       | 0.042      | 25       | 54       | 0.72      | 628      | 0.08       | 0.49    | 2.1        | 0.014     | 0.05      | 0.1     | 0.03     | 4.8      | 0.049    | 0.0249    | 6        |
| 11BH0391  | 0.4      | 0.2      | 68      | 0.17       | 0.057      | 29       | 46       | 0.51      | 388      | 0.07       | 2       | 2.11       | 0.009     | 0.05      | 0.1     | 0.04     | 4        | 0.1      | 0.0249    | 8        |
| 11BH0390  | 0.5      | 0.2      | 65      | 0.21       | 0.043      | 23       | 38       | 0.6       | 403      | 0.072      | 1       | 2.16       | 0.011     | 0.05      | 0.2     | 0.03     | 5        | 0.1      | 0.0249    | 6        |
| 11BH0389  | 0.4      | 0.2      | 64      | 0.14       | 0.057      | 14       | 29       | 0.39      | 251      | 0.043      | 0.49    | 2.18       | 0.009     | 0.05      | 0.1     | 0.04     | 2.1      | 0.049    | 0.0249    | 6        |
| 11BH0388  | 0.4      | 0.5      | 31      | 0.12       | 0.016      | 23       | 15       | 0.24      | 450      | 0.035      | 0.49    | 1.02       | 0.012     | 0.06      | 0.049   | 0.01     | 2.7      | 0.049    | 0.0249    | 3        |
| 11BH0387  | 0.4      | 0.2      | 71      | 0.13       | 0.026      | 13       | 30       | 0.36      | 272      | 0.054      | 0.49    | 1.89       | 0.008     | 0.06      | 0.1     | 0.02     | 2.8      | 0.1      | 0.0249    | 7        |
| 11BH0386  | 0.6      | 0.4      | 53      | 0.21       | 0.028      | 19       | 31       | 0.52      | 338      | 0.066      | 0.49    | 2.01       | 0.011     | 0.13      | 0.1     | 0.03     | 5.5      | 0.2      | 0.0249    | 5        |
| 11BH0385  | 0.6      | 0.3      | 63      | 0.12       | 0.024      | 19       | 28       | 0.5       | 274      | 0.075      | 1       | 2.21       | 0.008     | 0.17      | 0.1     | 0.03     | 4.7      | 0.3      | 0.0249    | 7        |
| 11BH0384  | 0.6      | 0.3      | 59      | 0.21       | 0.025      | 19       | 30       | 0.51      | 537      | 0.064      | 0.49    | 2.26       | 0.01      | 0.11      | 0.1     | 0.03     | 4.4      | 0.1      | 0.0249    | 6        |
| 11BH0383  | 0.5      | 0.3      | 52      | 0.18       | 0.032      | 19       | 31       | 0.5       | 457      | 0.04       | 0.49    | 2.19       | 0.011     | 0.08      | 0.2     | 0.03     | 4        | 0.1      | 0.0249    | 5        |
| 11BH0382  | 0.5      | 0.3      | 47      | 0.16       | 0.02       | 22       | 28       | 0.41      | 431      | 0.048      | 0.49    | 1.55       | 0.009     | 0.09      | 0.1     | 0.02     | 4.2      | 0.1      | 0.0249    | 4        |
| 11BH0381  | 0.5      | 0.2      | 80      | 0.35       | 0.054      | 35       | 73       | 1.02      | 614      | 0.129      | 1       | 2.41       | 0.016     | 0.1       | 0.2     | 0.04     | 8.5      | 0.1      | 0.0249    | 7        |
| 11BH0380  | 0.5      | 0.2      | 63      | 0.23       | 0.034      | 20       | 49       | 0.72      | 386      | 0.085      | 0.49    | 2.09       | 0.012     | 0.08      | 0.2     | 0.02     | 5.1      | 0.049    | 0.0249    | 5        |
| 11BH0379  | 0.4      | 0.2      | 60      | 0.17       | 0.04       | 14       | 35       | 0.55      | 349      | 0.064      | 0.49    | 2.03       | 0.009     | 0.1       | 0.2     | 0.03     | 3.3      | 0.1      | 0.0249    | 6        |
| 11BH0378  | 0.6      | 0.2      | 61      | 0.19       | 0.027      | 22       | 41       | 0.61      | 354      | 0.077      | 2       | 2.15       | 0.011     | 0.09      | 0.1     | 0.03     | 4.6      | 0.1      | 0.0249    | 6        |
| 11BH0377  | 0.6      | 0.2      | 64      | 0.19       | 0.032      | 20       | 43       | 0.57      | 329      | 0.068      | 2       | 2.27       | 0.012     | 0.09      | 0.049   | 0.02     | 4.2      | 0.1      | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11BH0376  | 0.3      | 0.2      | 51      | 0.18       | 0.056      | 19       | 45       | 0.64      | 264      | 0.1        | 0.49    | 2.06       | 0.009     | 0.22      | 0.3     | 0.02     | 3.7      | 0.2      | 0.0249    | 6        |
| 11BH0375  | 0.3      | 0.2      | 58      | 0.2        | 0.049      | 16       | 35       | 0.57      | 205      | 0.076      | 0.49    | 2.02       | 0.01      | 0.13      | 0.1     | 0.02     | 3.5      | 0.1      | 0.0249    | 6        |
| 11BH0374  | 0.4      | 0.1      | 56      | 0.23       | 0.04       | 15       | 32       | 0.54      | 294      | 0.068      | 0.49    | 1.98       | 0.013     | 0.12      | 0.049   | 0.02     | 3.4      | 0.1      | 0.0249    | 6        |
| 11BH0373  | 0.4      | 0.2      | 62      | 0.24       | 0.041      | 14       | 34       | 0.57      | 295      | 0.07       | 1       | 2.13       | 0.012     | 0.1       | 0.1     | 0.02     | 3.4      | 0.1      | 0.0249    | 7        |
| 11BH0372  | 0.2      | 0.1      | 34      | 0.26       | 0.044      | 32       | 20       | 0.47      | 290      | 0.093      | 0.49    | 1.29       | 0.01      | 0.2       | 0.049   | 0.02     | 2.9      | 0.1      | 0.0249    | 4        |
| 11BH0371  | 0.3      | 0.1      | 39      | 0.44       | 0.095      | 34       | 28       | 0.63      | 284      | 0.098      | 1       | 1.47       | 0.027     | 0.27      | 0.049   | 0.0049   | 3.5      | 0.1      | 0.0249    | 5        |
| 11BH0370  | 0.4      | 0.049    | 45      | 0.38       | 0.072      | 30       | 40       | 0.56      | 373      | 0.093      | 0.49    | 1.29       | 0.022     | 0.11      | 0.049   | 0.02     | 3        | 0.049    | 0.0249    | 4        |
| 11BH0369  | 0.3      | 0.049    | 68      | 0.36       | 0.05       | 14       | 32       | 0.79      | 251      | 0.128      | 0.49    | 1.72       | 0.022     | 0.16      | 0.1     | 0.01     | 4.7      | 0.049    | 0.0249    | 6        |
| 11BH0368  | 0.3      | 0.1      | 63      | 0.32       | 0.033      | 11       | 38       | 0.69      | 191      | 0.091      | 0.49    | 1.67       | 0.013     | 0.05      | 0.049   | 0.01     | 3.6      | 0.049    | 0.0249    | 5        |
| 11BH0367  | 0.3      | 0.049    | 114     | 0.41       | 0.039      | 6        | 74       | 1.24      | 263      | 0.134      | 0.49    | 2.95       | 0.015     | 0.06      | 0.049   | 0.02     | 5.7      | 0.049    | 0.0249    | 9        |
| 11BH0366  | 0.5      | 0.2      | 71      | 0.14       | 0.024      | 11       | 44       | 0.63      | 208      | 0.073      | 0.49    | 2.34       | 0.01      | 0.05      | 0.049   | 0.04     | 4.3      | 0.1      | 0.0249    | 6        |
| 11BH0365  | 0.4      | 0.2      | 77      | 0.26       | 0.02       | 13       | 42       | 0.71      | 227      | 0.102      | 0.49    | 2.1        | 0.013     | 0.05      | 0.049   | 0.02     | 4.9      | 0.049    | 0.0249    | 6        |
| 11BH0364  | 0.4      | 0.049    | 80      | 0.34       | 0.026      | 17       | 45       | 0.88      | 245      | 0.133      | 0.49    | 2.09       | 0.028     | 0.06      | 0.1     | 0.02     | 5.3      | 0.049    | 0.0249    | 6        |
| 11BH0363  | 0.4      | 0.1      | 88      | 0.18       | 0.025      | 9        | 59       | 1.05      | 150      | 0.131      | 1       | 2.91       | 0.011     | 0.07      | 0.1     | 0.03     | 4        | 0.1      | 0.0249    | 7        |
| 11BH0362  | 0.3      | 0.1      | 77      | 0.31       | 0.047      | 12       | 41       | 0.88      | 248      | 0.115      | 0.49    | 2.2        | 0.014     | 0.09      | 0.1     | 0.02     | 4.1      | 0.049    | 0.0249    | 7        |
| 11BH0361  | 0.3      | 0.1      | 58      | 0.32       | 0.054      | 16       | 29       | 0.74      | 303      | 0.09       | 0.49    | 1.56       | 0.011     | 0.15      | 0.049   | 0.01     | 4.4      | 0.049    | 0.0249    | 5        |
| 11BH0360  | 0.3      | 0.1      | 71      | 0.37       | 0.046      | 10       | 36       | 0.78      | 219      | 0.097      | 0.49    | 1.77       | 0.02      | 0.03      | 0.049   | 0.0049   | 4.1      | 0.049    | 0.0249    | 5        |
| 11BH0359  | 0.3      | 0.049    | 110     | 0.74       | 0.133      | 21       | 122      | 1.53      | 421      | 0.178      | 0.49    | 2.62       | 0.025     | 0.07      | 0.049   | 0.02     | 7.6      | 0.049    | 0.0249    | 8        |
| 11BH0358  | 0.5      | 0.1      | 106     | 0.55       | 0.134      | 7        | 46       | 1.15      | 397      | 0.03       | 0.49    | 2.35       | 0.016     | 0.09      | 0.049   | 0.01     | 11.3     | 0.049    | 0.0249    | 8        |
| 11BH0357  | 1.4      | 0.8      | 37      | 0.51       | 0.077      | 27       | 24       | 0.4       | 883      | 0.034      | 0.49    | 1.46       | 0.031     | 0.11      | 0.049   | 0.04     | 5.5      | 0.1      | 0.0249    | 4        |
| 11BH0356  | 2.1      | 0.3      | 45      | 0.53       | 0.069      | 32       | 29       | 0.36      | 1050     | 0.03       | 0.49    | 1.69       | 0.021     | 0.08      | 0.1     | 0.04     | 4.4      | 0.049    | 0.0249    | 4        |
| 11BH0355  | 0.6      | 0.1      | 42      | 0.37       | 0.044      | 27       | 24       | 0.48      | 370      | 0.073      | 0.49    | 1.46       | 0.012     | 0.12      | 0.049   | 0.02     | 3.3      | 0.049    | 0.0249    | 5        |
| 11BH0354  | 0.3      | 0.2      | 62      | 0.2        | 0.076      | 19       | 44       | 0.63      | 311      | 0.072      | 0.49    | 2.25       | 0.009     | 0.11      | 0.1     | 0.03     | 4.1      | 0.1      | 0.0249    | 7        |
| 11BH0353  | 0.3      | 0.2      | 49      | 0.15       | 0.054      | 18       | 21       | 0.48      | 277      | 0.074      | 0.49    | 1.79       | 0.008     | 0.26      | 0.1     | 0.02     | 2.8      | 0.1      | 0.0249    | 6        |
| 11BH0352  | 0.3      | 0.049    | 29      | 0.1        | 0.025      | 24       | 20       | 0.45      | 167      | 0.073      | 0.49    | 1.66       | 0.008     | 0.26      | 0.049   | 0.0049   | 2.7      | 0.1      | 0.0249    | 5        |
| 11BH0351  | 0.4      | 0.2      | 47      | 0.2        | 0.035      | 41       | 40       | 0.6       | 506      | 0.068      | 0.49    | 1.96       | 0.012     | 0.11      | 0.1     | 0.02     | 4.7      | 0.1      | 0.0249    | 6        |
| 11BH0350  | 0.5      | 0.2      | 48      | 0.11       | 0.031      | 20       | 26       | 0.48      | 330      | 0.066      | 0.49    | 2.09       | 0.009     | 0.16      | 0.1     | 0.02     | 3.8      | 0.1      | 0.0249    | 6        |
| 11BH0349  | 0.5      | 0.1      | 30      | 0.12       | 0.048      | 16       | 15       | 0.34      | 261      | 0.014      | 0.49    | 1.69       | 0.051     | 0.14      | 0.049   | 0.02     | 2.6      | 0.1      | 0.0249    | 4        |
| 11BH0348  | 0.6      | 0.2      | 34      | 0.18       | 0.023      | 43       | 25       | 0.47      | 357      | 0.05       | 0.49    | 1.7        | 0.01      | 0.12      | 0.1     | 0.02     | 3.8      | 0.1      | 0.0249    | 5        |
| 11BH0347  | 0.4      | 0.2      | 48      | 0.19       | 0.024      | 68       | 29       | 0.54      | 378      | 0.075      | 0.49    | 1.86       | 0.013     | 0.13      | 0.049   | 0.03     | 6.3      | 0.1      | 0.0249    | 5        |
| 11BH0346  | 0.6      | 0.2      | 61      | 0.24       | 0.022      | 20       | 40       | 0.56      | 441      | 0.061      | 1       | 1.84       | 0.013     | 0.06      | 0.049   | 0.06     | 5.9      | 0.049    | 0.0249    | 5        |
| 11BH0345  | 0.6      | 0.4      | 50      | 0.17       | 0.028      | 16       | 27       | 0.52      | 369      | 0.06       | 2       | 1.97       | 0.01      | 0.13      | 0.049   | 0.01     | 4.3      | 0.1      | 0.0249    | 5        |
| 11BH0344  | 0.7      | 0.5      | 58      | 0.14       | 0.025      | 11       | 31       | 0.46      | 371      | 0.047      | 0.49    | 2.1        | 0.01      | 0.07      | 0.049   | 0.03     | 3.1      | 0.049    | 0.0249    | 5        |
| 11BH0343  | 0.5      | 0.4      | 35      | 0.07       | 0.052      | 13       | 23       | 0.29      | 122      | 0.024      | 0.49    | 1.46       | 0.01      | 0.08      | 0.049   | 0.02     | 1.6      | 0.049    | 0.0249    | 4        |
| 11BH0342  | 0.4      | 0.3      | 56      | 0.14       | 0.037      | 13       | 29       | 0.45      | 264      | 0.045      | 1       | 1.96       | 0.01      | 0.05      | 0.1     | 0.03     | 2.9      | 0.049    | 0.0249    | 5        |
| 11BH0341  | 0.4      | 0.3      | 56      | 0.36       | 0.074      | 27       | 57       | 0.82      | 536      | 0.06       | 0.49    | 1.95       | 0.011     | 0.07      | 0.1     | 0.03     | 4.7      | 0.049    | 0.0249    | 5        |
| 11BH0340  | 0.6      | 0.2      | 59      | 0.15       | 0.06       | 12       | 42       | 0.6       | 179      | 0.055      | 2       | 2.23       | 0.01      | 0.07      | 0.1     | 0.03     | 3.3      | 0.049    | 0.0249    | 6        |
| 11BH0339  | 0.4      | 0.2      | 49      | 0.3        | 0.064      | 17       | 32       | 0.52      | 351      | 0.04       | 0.49    | 2          | 0.02      | 0.1       | 0.049   | 0.03     | 3.2      | 0.1      | 0.0249    | 5        |
| 11BH0338  | 0.5      | 0.2      | 55      | 0.33       | 0.061      | 20       | 43       | 0.69      | 493      | 0.068      | 0.49    | 1.8        | 0.029     | 0.06      | 0.1     | 0.03     | 4.1      | 0.049    | 0.0249    | 5        |
| 11BH0337  | 0.4      | 0.2      | 43      | 0.21       | 0.045      | 18       | 21       | 0.47      | 324      | 0.041      | 0.49    | 1.78       | 0.02      | 0.15      | 0.1     | 0.02     | 2.8      | 0.2      | 0.0249    | 5        |
| 11BH0336  | 0.4      | 0.2      | 41      | 0.22       | 0.047      | 17       | 25       | 0.42      | 321      | 0.029      | 0.49    | 1.44       | 0.011     | 0.06      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 4        |
| 11BH0335  | 0.6      | 0.3      | 38      | 0.26       | 0.067      | 15       | 22       | 0.39      | 252      | 0.023      | 0.49    | 1.56       | 0.01      | 0.09      | 0.1     | 0.02     | 3.2      | 0.049    | 0.0249    | 4        |
| 11AN0582  | 0.5      | 0.1      | 54      | 1.31       | 0.136      | 20       | 33       | 0.73      | 558      | 0.025      | 0.49    | 1.3        | 0.014     | 0.09      | 0.2     | 0.12     | 7.5      | 0.049    | 0.0249    | 5        |
| 11AN0580  | 0.5      | 0.049    | 64      | 1.08       | 0.11       | 16       | 37       | 0.71      | 553      | 0.029      | 2       | 1.37       | 0.015     | 0.08      | 0.1     | 0.17     | 7.3      | 0.049    | 0.0249    | 5        |
| 11AN0579  | 0.4      | 0.049    | 48      | 0.84       | 0.084      | 12       | 24       | 0.56      | 282      | 0.047      | 2       | 1.04       | 0.019     | 0.08      | 0.2     | 0.05     | 4        | 0.049    | 0.0249    | 4        |
| 11AN0578  | 0.3      | 0.049    | 57      | 0.95       | 0.128      | 19       | 17       | 0.71      | 406      | 0.031      | 2       | 1.48       | 0.015     | 0.09      | 0.1     | 0.03     | 5.5      | 0.049    | 0.0249    | 6        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11AN0577  | 0.3      | 0.049    | 61      | 0.81       | 0.149      | 18       | 18       | 0.84      | 322      | 0.045      | 1       | 1.61       | 0.015     | 0.07      | 0.049   | 0.04     | 4.7      | 0.049    | 0.0249    | 7        |
| 11AN0576  | 0.4      | 0.1      | 66      | 0.97       | 0.147      | 19       | 17       | 0.85      | 242      | 0.051      | 0.49    | 1.75       | 0.015     | 0.07      | 0.1     | 0.04     | 3.9      | 0.049    | 0.0249    | 8        |
| 11AN0575  | 0.4      | 0.1      | 68      | 0.95       | 0.169      | 28       | 15       | 0.95      | 258      | 0.04       | 0.49    | 1.82       | 0.016     | 0.07      | 0.049   | 0.03     | 5.3      | 0.049    | 0.0249    | 8        |
| 11AN0574  | 0.2      | 0.1      | 73      | 0.82       | 0.141      | 18       | 17       | 0.92      | 325      | 0.063      | 1       | 1.86       | 0.014     | 0.1       | 0.049   | 0.03     | 3.7      | 0.049    | 0.0249    | 8        |
| 11AN0573  | 0.2      | 0.049    | 74      | 0.73       | 0.168      | 7        | 14       | 1.01      | 155      | 0.094      | 2       | 1.75       | 0.016     | 0.12      | 0.1     | 0.02     | 3        | 0.049    | 0.0249    | 8        |
| 11AN0572  | 0.2      | 0.2      | 59      | 0.71       | 0.112      | 14       | 16       | 0.77      | 301      | 0.034      | 2       | 1.69       | 0.011     | 0.05      | 0.049   | 0.04     | 3.5      | 0.049    | 0.0249    | 7        |
| 11AN0571  | 0.3      | 0.1      | 74      | 0.31       | 0.07       | 9        | 19       | 0.56      | 126      | 0.073      | 0.49    | 1.51       | 0.015     | 0.06      | 0.1     | 0.02     | 2.9      | 0.049    | 0.0249    | 8        |
| 11AN0570  | 0.3      | 0.1      | 71      | 1.11       | 0.084      | 20       | 38       | 1.45      | 332      | 0.068      | 1       | 2.04       | 0.019     | 0.06      | 0.1     | 0.06     | 4.9      | 0.049    | 0.0249    | 7        |
| 11AN0569  | 0.3      | 0.1      | 66      | 2.17       | 0.077      | 13       | 26       | 1.57      | 294      | 0.053      | 0.49    | 1.91       | 0.02      | 0.05      | 0.1     | 0.05     | 3.9      | 0.049    | 0.0249    | 6        |
| 11AN0568  | 0.2      | 0.049    | 73      | 2.87       | 0.126      | 11       | 31       | 1.85      | 223      | 0.069      | 1       | 2.09       | 0.024     | 0.05      | 0.049   | 0.03     | 6        | 0.049    | 0.0249    | 7        |
| 11AN0567  | 0.3      | 0.1      | 70      | 0.99       | 0.053      | 13       | 43       | 0.83      | 257      | 0.08       | 0.49    | 2.03       | 0.02      | 0.04      | 0.2     | 0.02     | 3.7      | 0.049    | 0.0249    | 7        |
| 11AN0566  | 0.4      | 0.1      | 58      | 2.18       | 0.074      | 14       | 30       | 1.3       | 235      | 0.068      | 2       | 1.74       | 0.024     | 0.06      | 0.1     | 0.05     | 3.9      | 0.049    | 0.0249    | 5        |
| 11AN0565  | 0.7      | 0.1      | 61      | 2.23       | 0.079      | 15       | 31       | 0.83      | 321      | 0.059      | 2       | 1.71       | 0.021     | 0.05      | 0.2     | 0.06     | 3.9      | 0.049    | 0.0249    | 5        |
| 11AN0564  | 0.6      | 0.1      | 56      | 2.4        | 0.067      | 12       | 25       | 1.16      | 168      | 0.049      | 2       | 1.33       | 0.02      | 0.05      | 0.1     | 0.04     | 3.6      | 0.049    | 0.0249    | 4        |
| 11AN0563  | 1.1      | 0.1      | 43      | 3.7        | 0.072      | 10       | 25       | 1.08      | 274      | 0.036      | 4       | 1          | 0.014     | 0.04      | 0.1     | 0.06     | 2.7      | 0.049    | 0.1       | 3        |
| 11AN0562  | 0.4      | 1        | 69      | 0.42       | 0.076      | 15       | 40       | 0.6       | 562      | 0.066      | 0.49    | 1.69       | 0.015     | 0.09      | 0.1     | 0.02     | 6.4      | 0.049    | 0.0249    | 5        |
| 11AN0560  | 0.2      | 0.049    | 68      | 0.75       | 0.152      | 18       | 20       | 0.81      | 508      | 0.046      | 1       | 1.94       | 0.014     | 0.1       | 0.049   | 0.02     | 4.6      | 0.049    | 0.0249    | 7        |
| 11AN0559  | 0.3      | 0.3      | 74      | 0.29       | 0.045      | 14       | 34       | 0.53      | 648      | 0.038      | 0.49    | 2.07       | 0.01      | 0.06      | 0.049   | 0.02     | 4.4      | 0.1      | 0.0249    | 7        |
| 11AN0558  | 0.4      | 0.2      | 81      | 0.33       | 0.062      | 16       | 39       | 0.77      | 456      | 0.072      | 2       | 2.12       | 0.011     | 0.09      | 0.049   | 0.02     | 7.3      | 0.049    | 0.0249    | 6        |
| 11AN0557  | 0.4      | 0.2      | 71      | 0.24       | 0.057      | 12       | 31       | 0.5       | 400      | 0.041      | 0.49    | 1.93       | 0.009     | 0.12      | 0.1     | 0.01     | 4.5      | 0.049    | 0.0249    | 6        |
| 11AN0556  | 0.2      | 0.1      | 50      | 2.44       | 0.079      | 12       | 33       | 2.4       | 334      | 0.079      | 3       | 1.7        | 0.023     | 0.05      | 0.049   | 0.05     | 3        | 0.049    | 0.0249    | 5        |
| 11AN0555  | 0.2      | 0.1      | 60      | 1.39       | 0.072      | 13       | 36       | 2.37      | 255      | 0.086      | 2       | 1.95       | 0.017     | 0.04      | 0.049   | 0.04     | 4.1      | 0.049    | 0.0249    | 6        |
| 11AN0554  | 0.3      | 0.2      | 62      | 1.37       | 0.061      | 13       | 32       | 1.05      | 314      | 0.069      | 1       | 1.77       | 0.022     | 0.05      | 0.1     | 0.04     | 3.6      | 0.049    | 0.0249    | 5        |
| 11AN0553  | 0.4      | 0.1      | 57      | 1.84       | 0.101      | 13       | 31       | 0.97      | 270      | 0.065      | 2       | 1.69       | 0.029     | 0.05      | 0.1     | 0.06     | 3.1      | 0.049    | 0.0249    | 5        |
| 11AN0552  | 0.3      | 0.1      | 91      | 1.15       | 0.185      | 13       | 78       | 0.91      | 253      | 0.129      | 0.49    | 1.77       | 0.024     | 0.06      | 0.1     | 0.03     | 5.1      | 0.049    | 0.0249    | 6        |
| 11AN0551  | 0.4      | 0.1      | 61      | 1.31       | 0.131      | 10       | 49       | 0.57      | 242      | 0.079      | 1       | 1.34       | 0.021     | 0.04      | 0.1     | 0.04     | 3.4      | 0.049    | 0.0249    | 4        |
| 11AN0550  | 0.4      | 0.2      | 61      | 1.51       | 0.082      | 12       | 35       | 0.99      | 253      | 0.097      | 3       | 1.6        | 0.026     | 0.06      | 0.2     | 0.04     | 4.2      | 0.049    | 0.0249    | 5        |
| 11AN0549  | 0.3      | 0.1      | 75      | 0.83       | 0.099      | 15       | 46       | 1.49      | 338      | 0.106      | 0.49    | 1.99       | 0.021     | 0.08      | 0.049   | 0.04     | 5.7      | 0.049    | 0.0249    | 7        |
| 11AN0548  | 0.3      | 0.1      | 75      | 0.88       | 0.088      | 16       | 31       | 0.87      | 420      | 0.109      | 1       | 1.76       | 0.02      | 0.09      | 0.1     | 0.05     | 5.2      | 0.1      | 0.0249    | 6        |
| 11AN0547  | 0.3      | 0.1      | 73      | 0.85       | 0.102      | 21       | 33       | 1.39      | 549      | 0.13       | 1       | 2.15       | 0.024     | 0.15      | 0.1     | 0.07     | 6        | 0.2      | 0.0249    | 7        |
| 11AN0546  | 0.2      | 0.1      | 80      | 0.94       | 0.12       | 18       | 36       | 2.08      | 404      | 0.123      | 1       | 2.34       | 0.018     | 0.15      | 0.049   | 0.05     | 6.2      | 0.2      | 0.0249    | 7        |
| 11AN0545  | 0.2      | 0.1      | 83      | 0.63       | 0.118      | 14       | 35       | 1.14      | 387      | 0.138      | 2       | 1.96       | 0.018     | 0.12      | 0.049   | 0.04     | 4        | 0.1      | 0.0249    | 7        |
| 11AN0544  | 0.2      | 0.1      | 77      | 0.63       | 0.123      | 12       | 34       | 1.26      | 350      | 0.144      | 2       | 1.86       | 0.019     | 0.14      | 0.1     | 0.03     | 4.1      | 0.1      | 0.0249    | 6        |
| 11AN0543  | 0.049    | 0.049    | 94      | 0.88       | 0.252      | 11       | 29       | 1.72      | 425      | 0.192      | 1       | 2.28       | 0.029     | 0.45      | 0.1     | 0.02     | 5.2      | 0.1      | 0.0249    | 8        |
| 11AN0542  | 0.1      | 0.049    | 104     | 0.78       | 0.228      | 10       | 34       | 1.48      | 520      | 0.186      | 0.49    | 2.21       | 0.031     | 0.37      | 0.049   | 0.04     | 6.4      | 0.1      | 0.0249    | 8        |
| 11AN0541  | 0.1      | 0.1      | 89      | 0.52       | 0.146      | 11       | 28       | 0.96      | 429      | 0.123      | 0.49    | 1.93       | 0.019     | 0.22      | 0.049   | 0.03     | 5        | 0.1      | 0.0249    | 7        |
| 11AN0540  | 0.2      | 0.1      | 99      | 0.53       | 0.177      | 10       | 27       | 0.97      | 287      | 0.144      | 0.49    | 1.88       | 0.019     | 0.28      | 0.049   | 0.03     | 4.9      | 0.1      | 0.0249    | 7        |
| 11AN0539  | 0.3      | 0.3      | 42      | 0.36       | 0.045      | 8        | 17       | 0.6       | 270      | 0.038      | 0.49    | 1.84       | 0.009     | 0.21      | 0.049   | 0.0049   | 2.1      | 0.049    | 0.0249    | 5        |
| 11AN0538  | 0.049    | 0.049    | 21      | 0.23       | 0.024      | 22       | 2        | 0.1       | 308      | 0.005      | 0.49    | 0.64       | 0.008     | 0.12      | 0.049   | 0.0049   | 1.8      | 0.049    | 0.0249    | 1        |
| 11AN0537  | 0.3      | 0.1      | 69      | 0.35       | 0.053      | 8        | 27       | 0.69      | 383      | 0.091      | 0.49    | 2.13       | 0.014     | 0.08      | 0.1     | 0.0049   | 3.2      | 0.049    | 0.0249    | 7        |
| 11AN0536  | 0.1      | 0.049    | 84      | 0.47       | 0.056      | 4        | 29       | 1.59      | 405      | 0.307      | 0.49    | 3.04       | 0.013     | 0.91      | 0.049   | 0.0049   | 2.2      | 0.4      | 0.0249    | 8        |
| 11AN0535  | 0.5      | 0.1      | 74      | 0.18       | 0.031      | 8        | 33       | 0.84      | 249      | 0.141      | 0.49    | 2.55       | 0.014     | 0.13      | 0.1     | 0.02     | 4        | 0.049    | 0.0249    | 7        |
| 11AN0534  | 0.2      | 0.1      | 83      | 0.33       | 0.073      | 13       | 40       | 1.34      | 342      | 0.153      | 0.49    | 2.02       | 0.014     | 0.15      | 0.049   | 0.0049   | 6        | 0.1      | 0.0249    | 8        |
| 11AN0533  | 0.2      | 0.1      | 78      | 0.23       | 0.055      | 12       | 33       | 1         | 387      | 0.152      | 0.49    | 2.07       | 0.013     | 0.29      | 0.1     | 0.0049   | 6.4      | 0.2      | 0.0249    | 8        |
| 11AN0532  | 0.3      | 0.1      | 81      | 0.16       | 0.048      | 10       | 29       | 0.94      | 208      | 0.142      | 0.49    | 2.21       | 0.011     | 0.24      | 0.049   | 0.02     | 6.8      | 0.1      | 0.0249    | 8        |
| 11AN0531  | 0.1      | 0.049    | 93      | 0.39       | 0.077      | 11       | 22       | 1.4       | 284      | 0.131      | 0.49    | 2.07       | 0.01      | 0.19      | 0.049   | 0.0049   | 9        | 0.1      | 0.0249    | 8        |

| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_0 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|-----------|-----------|---------|----------|----------|----------|-----------|----------|
| 11AN0530  | 0.3      | 0.1      | 73      | 0.26       | 0.041      | 16       | 29       | 0.86      | 225      | 0.12       | 1       | 2.06       | 0.014     | 0.13      | 0.1     | 0.02     | 6.3      | 0.1      | 0.0249    | 7        |
| 11AN0529  | 0.4      | 0.1      | 73      | 0.29       | 0.03       | 12       | 28       | 0.84      | 229      | 0.121      | 0.49    | 2.02       | 0.011     | 0.17      | 0.1     | 0.02     | 6        | 0.1      | 0.0249    | 8        |
| 11AN0528  | 0.2      | 0.1      | 78      | 0.22       | 0.058      | 11       | 22       | 1.1       | 225      | 0.13       | 0.49    | 1.97       | 0.009     | 0.24      | 0.049   | 0.01     | 8        | 0.1      | 0.0249    | 9        |
| 11AN0527  | 0.2      | 0.1      | 81      | 1.18       | 0.327      | 39       | 146      | 2.42      | 1046     | 0.221      | 0.49    | 2.24       | 0.026     | 0.25      | 0.049   | 0.02     | 7.5      | 0.3      | 0.0249    | 7        |
| 11AN0526  | 0.2      | 0.2      | 67      | 0.78       | 0.083      | 13       | 31       | 0.92      | 427      | 0.119      | 0.49    | 1.73       | 0.015     | 0.2       | 0.1     | 0.03     | 5.8      | 0.1      | 0.0249    | 6        |
| 11AN0525  | 0.1      | 0.049    | 66      | 0.42       | 0.075      | 10       | 48       | 1.21      | 298      | 0.144      | 0.49    | 1.94       | 0.021     | 0.21      | 0.049   | 0.02     | 5.9      | 0.1      | 0.0249    | 7        |
| 11AN0524  | 0.2      | 0.049    | 73      | 0.4        | 0.086      | 6        | 82       | 1.55      | 202      | 0.154      | 0.49    | 2.1        | 0.02      | 0.21      | 0.049   | 0.0049   | 3.8      | 0.049    | 0.0249    | 6        |
| 11AN0523  | 0.2      | 0.1      | 71      | 0.24       | 0.056      | 11       | 29       | 0.84      | 315      | 0.142      | 0.49    | 1.85       | 0.019     | 0.14      | 0.1     | 0.01     | 4.6      | 0.1      | 0.1       | 6        |
| 11AN0522  | 0.3      | 0.049    | 66      | 0.27       | 0.05       | 10       | 42       | 0.95      | 246      | 0.12       | 0.49    | 1.81       | 0.013     | 0.1       | 0.1     | 0.03     | 4.3      | 0.1      | 0.0249    | 6        |
| 11AN0520  | 0.2      | 0.049    | 93      | 0.54       | 0.089      | 10       | 32       | 1.14      | 396      | 0.169      | 0.49    | 2.2        | 0.018     | 0.3       | 0.1     | 0.02     | 5.9      | 0.2      | 0.0249    | 8        |
| 11AN0519  | 0.2      | 0.1      | 110     | 0.18       | 0.052      | 7        | 36       | 1.39      | 207      | 0.157      | 0.49    | 2.33       | 0.02      | 0.26      | 0.1     | 0.01     | 6.2      | 0.2      | 0.0249    | 9        |
| 11AN0518  | 0.5      | 0.2      | 94      | 0.15       | 0.036      | 8        | 43       | 1.03      | 221      | 0.11       | 0.49    | 2.54       | 0.01      | 0.14      | 0.1     | 0.02     | 4.1      | 0.2      | 0.0249    | 8        |
| 11AN0517  | 0.5      | 0.1      | 80      | 0.25       | 0.031      | 23       | 41       | 0.9       | 253      | 0.108      | 0.49    | 2.29       | 0.017     | 0.07      | 0.049   | 0.04     | 7.7      | 0.1      | 0.0249    | 7        |
| 11AN0516  | 0.5      | 0.1      | 71      | 0.18       | 0.03       | 19       | 38       | 0.82      | 305      | 0.099      | 0.49    | 2.26       | 0.014     | 0.13      | 0.1     | 0.04     | 6.7      | 0.2      | 0.0249    | 6        |
| 11AN0515  | 0.2      | 0.049    | 65      | 0.52       | 0.09       | 12       | 37       | 0.82      | 271      | 0.099      | 0.49    | 1.73       | 0.015     | 0.07      | 0.2     | 0.04     | 4.5      | 0.049    | 0.0249    | 6        |
| 11AN0514  | 0.3      | 0.1      | 63      | 0.46       | 0.084      | 12       | 27       | 0.93      | 275      | 0.13       | 0.49    | 1.86       | 0.015     | 0.19      | 0.1     | 0.03     | 5        | 0.1      | 0.0249    | 6        |
| 11AN0513  | 0.3      | 0.049    | 69      | 0.44       | 0.085      | 13       | 30       | 0.88      | 310      | 0.144      | 0.49    | 1.98       | 0.016     | 0.19      | 0.1     | 0.03     | 5.3      | 0.1      | 0.0249    | 7        |
| 11AN0512  | 0.2      | 0.049    | 69      | 0.41       | 0.07       | 12       | 30       | 0.83      | 287      | 0.126      | 1       | 1.92       | 0.016     | 0.09      | 0.049   | 0.03     | 4.9      | 0.049    | 0.0249    | 6        |
| 11AN0511  | 0.2      | 0.049    | 73      | 0.42       | 0.076      | 10       | 29       | 0.94      | 254      | 0.136      | 0.49    | 1.85       | 0.015     | 0.16      | 0.049   | 0.01     | 4.6      | 0.1      | 0.0249    | 6        |
| 11AN0510  | 0.4      | 0.1      | 61      | 0.36       | 0.07       | 15       | 29       | 0.91      | 282      | 0.132      | 0.49    | 1.87       | 0.012     | 0.14      | 0.1     | 0.03     | 5.8      | 0.1      | 0.0249    | 6        |
| 11AN0509  | 0.3      | 0.1      | 67      | 0.47       | 0.08       | 12       | 32       | 0.9       | 292      | 0.117      | 0.49    | 1.92       | 0.013     | 0.13      | 0.2     | 0.04     | 5.5      | 0.1      | 0.0249    | 6        |
| 11AN0508  | 0.2      | 0.2      | 58      | 0.16       | 0.073      | 18       | 20       | 0.76      | 164      | 0.137      | 1       | 1.49       | 0.008     | 0.36      | 0.2     | 0.0049   | 5.3      | 0.2      | 0.0249    | 8        |
| 11AN0507  | 0.2      | 0.1      | 49      | 0.19       | 0.057      | 11       | 17       | 0.79      | 175      | 0.13       | 0.49    | 1.53       | 0.01      | 0.27      | 0.2     | 0.01     | 5.3      | 0.2      | 0.0249    | 7        |
| 11AN0506  | 0.2      | 0.1      | 82      | 0.18       | 0.038      | 12       | 30       | 1.09      | 188      | 0.187      | 0.49    | 2.5        | 0.009     | 0.31      | 0.1     | 0.02     | 7        | 0.2      | 0.0249    | 9        |
| 11AN0505  | 0.3      | 0.1      | 70      | 0.22       | 0.041      | 13       | 33       | 0.69      | 197      | 0.108      | 1       | 2.29       | 0.009     | 0.1       | 0.2     | 0.01     | 4.7      | 0.1      | 0.0249    | 7        |
| 11AN0504  | 0.4      | 0.3      | 116     | 0.69       | 0.092      | 74       | 55       | 0.87      | 712      | 0.115      | 0.49    | 4.48       | 0.013     | 0.25      | 0.2     | 0.1      | 15.8     | 0.2      | 0.0249    | 12       |
| 11AN0503  | 0.2      | 0.2      | 67      | 0.15       | 0.03       | 10       | 20       | 0.39      | 131      | 0.123      | 0.49    | 1.39       | 0.007     | 0.11      | 0.049   | 0.01     | 3.2      | 0.049    | 0.0249    | 9        |
| 11AN0502  | 0.4      | 0.2      | 83      | 0.16       | 0.031      | 11       | 33       | 0.77      | 192      | 0.131      | 1       | 2.36       | 0.009     | 0.15      | 0.1     | 0.02     | 5.1      | 0.2      | 0.0249    | 7        |
| 11AN0501  | 0.3      | 0.2      | 96      | 0.1        | 0.022      | 9        | 24       | 0.46      | 100      | 0.148      | 0.49    | 1.51       | 0.008     | 0.07      | 0.1     | 0.01     | 3.9      | 0.049    | 0.0249    | 10       |
| 11AN0500  | 0.5      | 0.2      | 109     | 0.12       | 0.023      | 9        | 31       | 0.57      | 114      | 0.162      | 0.49    | 1.72       | 0.008     | 0.08      | 0.1     | 0.02     | 4.4      | 0.1      | 0.0249    | 11       |
| 11AN0498  | 0.4      | 0.2      | 75      | 0.11       | 0.034      | 9        | 27       | 0.63      | 109      | 0.132      | 1       | 2          | 0.009     | 0.15      | 0.1     | 0.02     | 3.6      | 0.1      | 0.0249    | 8        |
| 11AN0497  | 0.3      | 0.2      | 75      | 0.21       | 0.032      | 12       | 29       | 0.78      | 209      | 0.157      | 1       | 2.28       | 0.01      | 0.17      | 0.2     | 0.01     | 4.8      | 0.2      | 0.0249    | 8        |
| 11AN0496  | 0.2      | 0.1      | 66      | 0.23       | 0.053      | 13       | 25       | 0.83      | 210      | 0.168      | 1       | 2.03       | 0.009     | 0.29      | 0.2     | 0.02     | 5.7      | 0.2      | 0.0249    | 7        |
| 11AN0495  | 0.2      | 0.1      | 58      | 0.18       | 0.03       | 14       | 23       | 0.77      | 175      | 0.141      | 0.49    | 1.79       | 0.009     | 0.26      | 0.1     | 0.02     | 4.3      | 0.2      | 0.0249    | 6        |
| 11AN0494  | 0.3      | 0.1      | 63      | 0.18       | 0.04       | 10       | 24       | 0.92      | 194      | 0.161      | 0.49    | 2.04       | 0.009     | 0.34      | 0.1     | 0.0049   | 4.5      | 0.2      | 0.0249    | 8        |
| 11AN0493  | 0.2      | 0.2      | 71      | 0.19       | 0.04       | 12       | 39       | 1.06      | 256      | 0.178      | 0.49    | 2.34       | 0.008     | 0.5       | 0.1     | 0.02     | 5.5      | 0.3      | 0.0249    | 9        |
| 11AN0492  | 0.3      | 0.1      | 65      | 0.13       | 0.037      | 10       | 20       | 0.6       | 136      | 0.136      | 2       | 1.59       | 0.009     | 0.17      | 0.1     | 0.02     | 3.3      | 0.1      | 0.0249    | 7        |
| 11AN0491  | 0.3      | 0.2      | 82      | 0.13       | 0.037      | 9        | 29       | 0.66      | 123      | 0.166      | 0.49    | 1.94       | 0.009     | 0.17      | 0.2     | 0.02     | 3.8      | 0.1      | 0.0249    | 8        |
| 11AN0490  | 0.3      | 0.2      | 82      | 0.29       | 0.046      | 15       | 35       | 0.87      | 331      | 0.153      | 2       | 2.7        | 0.013     | 0.22      | 0.1     | 0.04     | 5.9      | 0.2      | 0.0249    | 9        |
| 11AN0489  | 0.3      | 0.1      | 68      | 0.22       | 0.045      | 11       | 26       | 0.78      | 213      | 0.161      | 1       | 1.88       | 0.009     | 0.24      | 0.2     | 0.02     | 4.6      | 0.1      | 0.0249    | 7        |
| 11AN0488  | 0.3      | 0.1      | 72      | 0.24       | 0.041      | 12       | 30       | 0.95      | 258      | 0.171      | 1       | 2.19       | 0.01      | 0.28      | 0.2     | 0.01     | 5.8      | 0.2      | 0.0249    | 8        |
| 11AN0487  | 0.2      | 0.2      | 56      | 0.07       | 0.032      | 9        | 14       | 0.46      | 115      | 0.127      | 0.49    | 1.08       | 0.006     | 0.17      | 0.1     | 0.01     | 3.2      | 0.1      | 0.0249    | 9        |
| 11AN0486  | 0.2      | 0.1      | 47      | 0.22       | 0.049      | 12       | 21       | 1.04      | 218      | 0.119      | 0.49    | 1.87       | 0.01      | 0.27      | 0.049   | 0.02     | 4.5      | 0.2      | 0.0249    | 7        |
| 11AN0485  | 0.3      | 0.3      | 66      | 0.26       | 0.052      | 16       | 30       | 0.89      | 313      | 0.119      | 2       | 2.31       | 0.012     | 0.18      | 0.1     | 0.03     | 5.6      | 0.2      | 0.0249    | 8        |
| 11AN0484  | 0.2      | 0.1      | 55      | 0.32       | 0.073      | 11       | 22       | 0.93      | 290      | 0.089      | 0.49    | 1.76       | 0.014     | 0.18      | 0.049   | 0.05     | 5        | 0.1      | 0.08      | 7        |
| 11AN0483  | 0.2      | 0.1      | 54      | 0.23       | 0.052      | 12       | 21       | 0.83      | 147      | 0.135      | 0.49    | 1.68       | 0.011     | 0.2       | 0.1     | 0.03     | 4.2      | 0.1      | 0.0249    | 7        |



| Sample No | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_1 | Cr_ppm_1 | Mg____0_0 | Ba_ppm_1 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppm_0 | Sc_ppm_0 | Tl_ppm_0 | S____0_05 | Ga_ppm_1 |
|-----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|-----------|----------|
| 11AN0482  | 0.2      | 0.049    | 66      | 0.37       | 0.061      | 12       | 23       | 1.01      | 246      | 0.15       | 0.49    | 1.94       | 0.014      | 0.26      | 0.049   | 0.02     | 5.5      | 0.2      | 0.0249    | 7        |
| 11AN0480  | 0.2      | 0.1      | 73      | 0.89       | 0.074      | 9        | 43       | 0.92      | 395      | 0.125      | 1       | 2.1        | 0.02       | 0.07      | 0.1     | 0.07     | 3.8      | 0.1      | 0.11      | 6        |
| 11AN0479  | 0.2      | 0.1      | 49      | 0.39       | 0.057      | 8        | 27       | 0.68      | 194      | 0.104      | 0.49    | 1.71       | 0.014      | 0.06      | 0.1     | 0.03     | 2.9      | 0.049    | 0.06      | 6        |
| 11AN0478  | 0.2      | 0.1      | 64      | 0.27       | 0.039      | 9        | 28       | 0.79      | 115      | 0.13       | 0.49    | 1.86       | 0.014      | 0.09      | 0.1     | 0.02     | 3.1      | 0.1      | 0.0249    | 6        |
| 11AN0477  | 0.2      | 0.2      | 74      | 0.33       | 0.057      | 8        | 26       | 0.68      | 123      | 0.088      | 0.49    | 1.77       | 0.013      | 0.04      | 0.1     | 0.03     | 3.4      | 0.1      | 0.0249    | 7        |
| 11AN0476  | 0.1      | 0.1      | 112     | 0.48       | 0.077      | 12       | 39       | 1.27      | 267      | 0.229      | 0.49    | 2.53       | 0.021      | 0.35      | 0.1     | 0.02     | 5.3      | 0.3      | 0.0249    | 8        |
| 11AN0475  | 0.2      | 0.1      | 86      | 0.76       | 0.077      | 12       | 23       | 0.85      | 297      | 0.141      | 0.49    | 1.77       | 0.015      | 0.2       | 0.1     | 0.03     | 4.3      | 0.2      | 0.08      | 6        |
| 11AN0474  | 0.1      | 0.1      | 69      | 0.67       | 0.098      | 13       | 27       | 0.97      | 363      | 0.116      | 0.49    | 1.77       | 0.01       | 0.25      | 0.1     | 0.02     | 5        | 0.2      | 0.0249    | 7        |
| 11AN0473  | 0.2      | 0.1      | 79      | 0.62       | 0.082      | 11       | 38       | 1.15      | 343      | 0.167      | 0.49    | 2.02       | 0.014      | 0.17      | 0.2     | 0.05     | 4.6      | 0.2      | 0.0249    | 7        |
| 11AN0472  | 0.1      | 0.049    | 84      | 0.75       | 0.1        | 7        | 28       | 1.18      | 364      | 0.221      | 0.49    | 2.13       | 0.017      | 0.32      | 0.1     | 0.01     | 3        | 0.3      | 0.05      | 6        |
| 11AN0471  | 0.2      | 0.049    | 75      | 0.51       | 0.091      | 8        | 29       | 1.1       | 268      | 0.159      | 0.49    | 2.08       | 0.013      | 0.2       | 0.049   | 0.03     | 3.4      | 0.3      | 0.05      | 7        |
| 11AN0470  | 0.2      | 0.049    | 51      | 0.66       | 0.079      | 8        | 30       | 0.85      | 280      | 0.116      | 1       | 1.64       | 0.016      | 0.09      | 0.1     | 0.03     | 3.4      | 0.2      | 0.09      | 6        |
| 11AN0469  | 0.1      | 0.049    | 76      | 0.59       | 0.095      | 10       | 33       | 1.07      | 280      | 0.16       | 1       | 1.84       | 0.016      | 0.21      | 0.1     | 0.02     | 3.8      | 0.2      | 0.0249    | 6        |
| 11AN0468  | 0.2      | 0.1      | 76      | 0.46       | 0.067      | 10       | 31       | 0.94      | 250      | 0.148      | 1       | 2          | 0.014      | 0.12      | 0.1     | 0.04     | 4        | 0.2      | 0.07      | 7        |
| 11AN0467  | 0.2      | 0.1      | 71      | 0.49       | 0.081      | 15       | 33       | 0.9       | 370      | 0.123      | 1       | 1.98       | 0.012      | 0.14      | 0.1     | 0.03     | 5.5      | 0.2      | 0.09      | 7        |
| 11AN0466  | 0.2      | 0.1      | 63      | 0.9        | 0.093      | 12       | 40       | 0.86      | 390      | 0.1        | 2       | 1.58       | 0.016      | 0.08      | 0.049   | 0.03     | 4.6      | 0.1      | 0.13      | 6        |
| 11AN0465  | 0.2      | 0.1      | 57      | 1.04       | 0.091      | 9        | 27       | 0.67      | 384      | 0.054      | 2       | 1.31       | 0.015      | 0.06      | 0.049   | 0.03     | 3        | 0.049    | 0.15      | 4        |
| 11AN0464  | 0.2      | 0.1      | 59      | 0.63       | 0.092      | 9        | 40       | 0.81      | 273      | 0.063      | 1       | 1.74       | 0.02       | 0.05      | 0.1     | 0.03     | 4.1      | 0.049    | 0.09      | 6        |
| 11AN0463  | 0.2      | 0.1      | 79      | 0.53       | 0.094      | 10       | 40       | 0.95      | 314      | 0.085      | 0.49    | 1.91       | 0.017      | 0.05      | 0.049   | 0.05     | 4.9      | 0.049    | 0.07      | 7        |
| 11AN0462  | 0.2      | 0.049    | 77      | 0.6        | 0.1        | 12       | 78       | 1.35      | 320      | 0.164      | 1       | 2.12       | 0.013      | 0.36      | 0.1     | 0.02     | 5.4      | 0.2      | 0.06      | 7        |
| 11AN0461  | 0.2      | 0.049    | 65      | 0.53       | 0.1        | 11       | 21       | 0.93      | 302      | 0.151      | 1       | 1.96       | 0.012      | 0.3       | 0.1     | 0.01     | 4.3      | 0.2      | 0.05      | 7        |
| 11AN0460  | 0.2      | 0.1      | 63      | 0.57       | 0.102      | 12       | 22       | 1         | 322      | 0.161      | 1       | 2.01       | 0.013      | 0.32      | 0.1     | 0.02     | 4.6      | 0.2      | 0.06      | 7        |
| 11AN0458  | 0.2      | 0.1      | 69      | 0.42       | 0.065      | 13       | 27       | 0.83      | 282      | 0.147      | 1       | 2.14       | 0.033      | 0.17      | 0.1     | 0.03     | 4.1      | 0.2      | 0.0249    | 8        |
| 11AN0457  | 0.2      | 0.1      | 66      | 0.5        | 0.079      | 15       | 27       | 0.84      | 281      | 0.148      | 1       | 1.97       | 0.014      | 0.3       | 0.1     | 0.02     | 4.9      | 0.2      | 0.0249    | 7        |
| 11AN0456  | 0.1      | 0.049    | 95      | 0.52       | 0.094      | 6        | 25       | 1.05      | 309      | 0.176      | 0.49    | 1.87       | 0.017      | 0.4       | 0.1     | 0.01     | 3.9      | 0.2      | 0.0249    | 6        |
| 11AN0454  | 0.2      | 0.1      | 82      | 0.49       | 0.08       | 11       | 26       | 1.03      | 273      | 0.164      | 1       | 1.95       | 0.017      | 0.2       | 0.1     | 0.0049   | 4.4      | 0.1      | 0.0249    | 7        |
| 11AN0453  | 0.2      | 0.1      | 89      | 0.42       | 0.082      | 12       | 34       | 1.34      | 311      | 0.197      | 1       | 2.3        | 0.015      | 0.44      | 0.1     | 0.0049   | 5.4      | 0.2      | 0.0249    | 8        |
| 11AN0452  | 0.2      | 0.1      | 76      | 0.35       | 0.073      | 9        | 21       | 1.12      | 209      | 0.163      | 1       | 2.04       | 0.016      | 0.24      | 0.1     | 0.02     | 5.2      | 0.1      | 0.0249    | 8        |
| 11AN0451  | 0.2      | 0.2      | 80      | 0.42       | 0.095      | 9        | 22       | 1.2       | 244      | 0.159      | 2       | 1.95       | 0.013      | 0.26      | 0.1     | 0.0049   | 5.6      | 0.2      | 0.0249    | 7        |
| 11AN0450  | 0.1      | 0.2      | 73      | 0.41       | 0.084      | 11       | 21       | 1.23      | 299      | 0.142      | 1       | 1.86       | 0.012      | 0.21      | 0.1     | 0.02     | 5.4      | 0.1      | 0.0249    | 8        |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11YM0277  | 0.6      | 0.099      |
| 11YM0276  | 0.249    | 0.099      |
| 11YM0275  | 0.249    | 0.099      |
| 11YM0274  | 0.249    | 0.099      |
| 11YM0273  | 0.249    | 0.099      |
| 11YM0271  | 0.249    | 0.099      |
| 11YM0270  | 0.249    | 0.099      |
| 11YM0269  | 0.249    | 0.099      |
| 11YM0268  | 0.249    | 0.099      |
| 11YM0267  | 0.249    | 0.099      |
| 11YM0266  | 0.7      | 0.099      |
| 11YM0265  | 0.7      | 0.099      |
| 11YM0264  | 0.249    | 0.099      |
| 11YM0263  | 0.249    | 0.099      |
| 11YM0262  | 0.249    | 0.099      |
| 11YM0261  | 0.249    | 0.099      |
| 11YM0260  | 0.249    | 0.099      |
| 11YM0259  | 0.7      | 0.099      |
| 11YM0258  | 0.249    | 0.2        |
| 11YM0257  | 0.7      | 0.099      |
| 11YM0256  | 0.7      | 0.099      |
| 11YM0255  | 0.249    | 0.099      |
| 11YM0254  | 0.249    | 0.099      |
| 11YM0253  | 1        | 0.099      |
| 11YM0252  | 0.249    | 0.099      |
| 11YM0251  | 0.249    | 0.099      |
| 11YM0250  | 0.249    | 0.099      |
| 11YM0249  | 0.5      | 0.099      |
| 11YM0248  | 0.249    | 0.099      |
| 11YM0247  | 0.249    | 0.099      |
| 11YM0246  | 0.249    | 0.099      |
| 11YM0245  | 0.249    | 0.099      |
| 11YM0244  | 0.249    | 0.099      |
| 11YM0243  | 0.249    | 0.099      |
| 11YM0242  | 0.249    | 0.099      |
| 11YM0241  | 0.249    | 0.099      |
| 11YM0240  | 0.249    | 0.099      |
| 11YM0239  | 0.249    | 0.099      |
| 11YM0238  | 0.249    | 0.099      |
| 11YM0237  | 0.249    | 0.099      |
| 11YM0236  | 0.249    | 0.099      |
| 11YM0235  | 0.249    | 0.099      |
| 11YM0234  | 0.249    | 0.099      |
| 11YM0233  | 0.249    | 0.099      |
| 11YM0232  | 0.249    | 0.099      |
| 11YM0231  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11YM0230  | 0.249    | 0.099      |
| 11YM0229  | 0.249    | 0.099      |
| 11YM0228  | 0.249    | 0.099      |
| 11YM0227  | 0.249    | 0.099      |
| 11YM0226  | 0.249    | 0.099      |
| 11YM0225  | 0.249    | 0.099      |
| 11YM0224  | 0.249    | 0.099      |
| 11YM0223  | 0.249    | 0.099      |
| 11YM0222  | 0.249    | 0.099      |
| 11YM0221  | 0.249    | 0.099      |
| 11YM0220  | 0.249    | 0.099      |
| 11YM0219  | 0.249    | 0.099      |
| 11YM0218  | 0.249    | 0.099      |
| 11YM0217  | 0.249    | 0.099      |
| 11YM0216  | 0.249    | 0.099      |
| 11YM0215  | 0.249    | 0.099      |
| 11YM0214  | 0.249    | 0.099      |
| 11YM0213  | 0.249    | 0.099      |
| 11YM0212  | 0.249    | 0.099      |
| 11YM0211  | 0.6      | 0.099      |
| 11YM0210  | 0.249    | 0.099      |
| 11YM0209  | 0.6      | 0.099      |
| 11YM0208  | 0.249    | 0.099      |
| 11YM0207  | 0.8      | 0.099      |
| 11YM0206  | 0.249    | 0.099      |
| 11YM0205  | 0.249    | 0.099      |
| 11YM0204  | 0.249    | 0.099      |
| 11YM0203  | 0.6      | 0.099      |
| 11YM0202  | 0.249    | 0.099      |
| 11YM0201  | 0.249    | 0.099      |
| 11YM0200  | 0.249    | 0.099      |
| 11YM0199  | 0.249    | 0.099      |
| 11YM0198  | 0.249    | 0.099      |
| 11YM0197  | 0.249    | 0.099      |
| 11YM0196  | 0.249    | 0.099      |
| 11YM0195  | 0.249    | 0.099      |
| 11YM0194  | 0.249    | 0.099      |
| 11YM0193  | 0.249    | 0.099      |
| 11YM0192  | 0.249    | 0.2        |
| 11YM0191  | 0.249    | 0.099      |
| 11YM0190  | 0.249    | 0.099      |
| 11YM0189  | 0.249    | 0.099      |
| 11YM0188  | 0.249    | 0.099      |
| 11YM0187  | 0.249    | 0.099      |
| 11YM0186  | 0.249    | 0.099      |
| 11YM0185  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11YM0184  | 0.249    | 0.099      |
| 11YM0183  | 0.6      | 0.099      |
| 11YM0182  | 0.249    | 0.099      |
| 11YM0181  | 0.249    | 0.099      |
| 11YM0180  | 0.249    | 0.099      |
| 11YM0179  | 0.249    | 0.099      |
| 11YM0178  | 0.249    | 0.099      |
| 11YM0177  | 0.249    | 0.099      |
| 11YM0176  | 0.249    | 0.099      |
| 11YM0175  | 0.249    | 0.099      |
| 11YM0174  | 0.249    | 0.099      |
| 11YM0173  | 1.9      | 0.099      |
| 11YM0172  | 0.249    | 0.099      |
| 11YM0171  | 0.249    | 0.099      |
| 11YM0170  | 0.249    | 0.099      |
| 11YM0169  | 0.249    | 0.099      |
| 11YM0168  | 0.249    | 0.099      |
| 11YM0167  | 0.249    | 0.099      |
| 11YM0166  | 0.5      | 0.099      |
| 11YM0165  | 0.249    | 0.099      |
| 11YM0164  | 0.249    | 0.099      |
| 11YM0163  | 0.6      | 0.099      |
| 11YM0162  | 0.7      | 0.099      |
| 11YM0161  | 1        | 0.099      |
| 11YM0160  | 0.5      | 0.099      |
| 11YM0159  | 0.249    | 0.099      |
| 11YM0158  | 0.8      | 0.099      |
| 11YM0157  | 0.249    | 0.099      |
| 11YM0156  | 0.249    | 0.099      |
| 11YM0155  | 0.249    | 0.099      |
| 11YM0154  | 0.5      | 0.099      |
| 11YM0153  | 0.249    | 0.099      |
| 11YM0152  | 0.249    | 0.099      |
| 11YM0151  | 0.249    | 0.099      |
| 11YM0150  | 0.249    | 0.099      |
| 11YM0149  | 0.249    | 0.099      |
| 11YM0148  | 0.5      | 0.099      |
| 11YM0147  | 0.249    | 0.099      |
| 11YM0146  | 0.249    | 0.099      |
| 11YM0145  | 0.249    | 0.099      |
| 11YM0144  | 0.6      | 0.099      |
| 11YM0143  | 0.7      | 0.099      |
| 11YM0142  | 0.249    | 0.099      |
| 11YM0141  | 0.249    | 0.099      |
| 11YM0140  | 0.6      | 0.099      |
| 11YM0139  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11YM0138  | 0.5      | 0.099      |
| 11YM0137  | 0.249    | 0.099      |
| 11YM0136  | 0.5      | 0.099      |
| 11YM0135  | 0.249    | 0.099      |
| 11YM0134  | 0.249    | 0.099      |
| 11YM0133  | 0.249    | 0.099      |
| 11YM0132  | 0.249    | 0.099      |
| 11YM0131  | 0.5      | 0.099      |
| 11YM0130  | 0.249    | 0.099      |
| 11YM0129  | 0.249    | 0.099      |
| 11YM0128  | 0.249    | 0.099      |
| 11YM0127  | 0.249    | 0.099      |
| 11YM0126  | 0.249    | 0.099      |
| 11YM0125  | 0.249    | 0.099      |
| 11YM0124  | 0.249    | 0.099      |
| 11YM0123  | 0.249    | 0.099      |
| 11YM0122  | 0.249    | 0.099      |
| 11YM0121  | 0.249    | 0.099      |
| 11YM0120  | 0.5      | 0.099      |
| 11YM0119  | 0.249    | 0.099      |
| 11YM0118  | 0.249    | 0.099      |
| 11YM0117  | 0.7      | 0.099      |
| 11YM0116  | 0.249    | 0.099      |
| 11YM0115  | 0.249    | 0.099      |
| 11YM0114  | 0.249    | 0.099      |
| 11YM0113  | 0.249    | 0.099      |
| 11YM0112  | 0.249    | 0.099      |
| 11YM0111  | 0.249    | 0.099      |
| 11YM0110  | 0.249    | 0.099      |
| 11YM0109  | 0.249    | 0.099      |
| 11YM0108  | 0.249    | 0.099      |
| 11YM0107  | 0.249    | 0.099      |
| 11YM0106  | 0.249    | 0.099      |
| 11YM0105  | 0.249    | 0.099      |
| 11YM0104  | 0.249    | 0.099      |
| 11YM0103  | 0.249    | 0.099      |
| 11YM0102  | 0.249    | 0.099      |
| 11YM0101  | 0.249    | 0.099      |
| 11YM0100  | 0.249    | 0.099      |
| 11YM0099  | 0.249    | 0.099      |
| 11YM0098  | 0.249    | 0.099      |
| 11YM0097  | 0.249    | 0.099      |
| 11YM0096  | 0.249    | 0.099      |
| 11YM0095  | 0.249    | 0.099      |
| 11YM0094  | 0.249    | 0.099      |
| 11YM0093  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11YM0092  | 0.249    | 0.099      |
| 11YM0091  | 0.249    | 0.099      |
| 11YM0090  | 0.249    | 0.099      |
| 11YM0089  | 0.249    | 0.099      |
| 11YM0088  | 0.249    | 0.099      |
| 11YM0087  | 0.249    | 0.099      |
| 11YM0086  | 0.249    | 0.099      |
| 11YM0085  | 0.249    | 0.099      |
| 11YM0084  | 0.249    | 0.099      |
| 11YM0083  | 0.249    | 0.099      |
| 11YM0082  | 0.249    | 0.099      |
| 11YM0081  | 0.249    | 0.099      |
| 11YM0080  | 0.249    | 0.099      |
| 11YM0079  | 0.249    | 0.099      |
| 11YM0078  | 0.249    | 0.099      |
| 11YM0077  | 0.249    | 0.099      |
| 11YM0076  | 0.249    | 0.099      |
| 11YM0075  | 0.249    | 0.099      |
| 11YM0074  | 0.249    | 0.099      |
| 11YM0073  | 0.249    | 0.099      |
| 11YM0072  | 0.249    | 0.099      |
| 11YM0071  | 0.249    | 0.099      |
| 11YM0070  | 0.249    | 0.099      |
| 11YM0069  | 0.249    | 0.099      |
| 11YM0068  | 0.249    | 0.099      |
| 11YM0067  | 0.249    | 0.099      |
| 11YM0066  | 0.5      | 0.099      |
| 11YM0065  | 0.249    | 0.099      |
| 11YM0064  | 0.249    | 0.099      |
| 11YM0063  | 0.249    | 0.099      |
| 11YM0062  | 0.249    | 0.099      |
| 11YM0061  | 0.249    | 0.099      |
| 11YM0060  | 0.249    | 0.099      |
| 11YM0059  | 0.249    | 0.099      |
| 11YM0058  | 0.249    | 0.099      |
| 11YM0057  | 0.249    | 0.099      |
| 11YM0056  | 0.249    | 0.099      |
| 11YM0055  | 0.249    | 0.099      |
| 11YM0054  | 0.249    | 0.099      |
| 11YM0053  | 0.249    | 0.099      |
| 11YM0052  | 0.249    | 0.099      |
| 11YM0051  | 2.7      | 1          |
| 11YM0050  | 2.1      | 0.9        |
| 11YM0049  | 1        | 0.7        |
| 11YM0048  | 1.9      | 0.5        |
| 11YM0047  | -100     | -100       |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11YM0046  | 0.249    | 0.099      |
| 11YM0045  | 0.249    | 0.099      |
| 11YM0044  | 0.249    | 0.099      |
| 11YM0043  | 0.249    | 0.099      |
| 11YM0042  | 0.249    | 0.099      |
| 11YM0041  | 0.249    | 0.099      |
| 11YM0040  | 0.249    | 0.099      |
| 11YM0039  | -100     | -100       |
| 11YM0038  | 0.249    | 0.099      |
| 11YM0037  | 0.249    | 0.099      |
| 11YM0036  | 0.249    | 0.099      |
| 11YM0035  | 0.249    | 0.099      |
| 11YM0034  | 0.249    | 0.099      |
| 11YM0033  | 0.249    | 0.099      |
| 11YM0032  | 0.249    | 0.099      |
| 11YM0031  | 0.249    | 0.099      |
| 11YM0030  | 0.249    | 0.099      |
| 11YM0029  | 0.249    | 0.099      |
| 11YM0028  | 0.249    | 0.099      |
| 11YM0027  | 0.249    | 0.099      |
| 11YM0026  | 0.8      | 0.099      |
| 11YM0025  | 0.249    | 0.099      |
| 11YM0024  | 0.249    | 0.099      |
| 11YM0023  | 0.8      | 0.099      |
| 11YM0022  | 0.249    | 0.099      |
| 11YM0021  | 0.249    | 0.099      |
| 11YM0020  | 0.249    | 0.099      |
| 11YM0019  | 0.249    | 0.099      |
| 11YM0018  | 0.5      | 0.099      |
| 11YM0017  | 0.249    | 0.099      |
| 11YM0016  | 0.249    | 0.099      |
| 11YM0015  | 0.249    | 0.099      |
| 11YM0014  | 0.249    | 0.099      |
| 11YM0013  | 0.5      | 0.099      |
| 11YM0012  | 0.249    | 0.099      |
| 11YM0011  | 0.249    | 0.099      |
| 11YM0010  | 0.249    | 0.099      |
| 11YM0009  | 0.249    | 0.099      |
| 11YM0008  | 0.249    | 0.099      |
| 11YM0007  | 0.249    | 0.099      |
| 11YM0006  | 0.249    | 0.099      |
| 11YM0005  | 0.249    | 0.099      |
| 11YM0004  | 0.5      | 0.099      |
| 11YM0003  | 0.249    | 0.099      |
| 11YM0002  | 0.249    | 0.099      |
| 11YM0001  | 0.249    | 0.099      |

| Sample No  | Se_ppm_0 | Te_ppm_0_2 |
|------------|----------|------------|
| 11TB1260   | 0.6      | 0.099      |
| 11TB1259   | 0.249    | 0.099      |
| 11TB1258   | 0.5      | 0.099      |
| 11TB1257   | 0.249    | 0.099      |
| 11TB1256   | 0.249    | 0.099      |
| 11TB1255   | 0.249    | 0.099      |
| 11TB1254   | 0.249    | 0.099      |
| 11TB1253   | 0.249    | 0.099      |
| 11TB1252   | 0.249    | 0.099      |
| 11TB1251   | 0.249    | 0.099      |
| 11TB1250   | 0.249    | 0.099      |
| 11TB1249   | 0.249    | 0.099      |
| 11TB1248   | 0.249    | 0.099      |
| 11TB1247   | 0.249    | 0.099      |
| 11TB1246   | 0.249    | 0.099      |
| 11TB1245   | 0.249    | 0.099      |
| 11TB1244   | 0.249    | 0.099      |
| 11TB1243   | 0.249    | 0.099      |
| 11TB1242   | 0.249    | 0.099      |
| 11TB1240   | 0.249    | 0.099      |
| 11TB1239   | 0.249    | 0.099      |
| 11TB1238   | 0.249    | 0.099      |
| 11TB1237   | 0.249    | 0.099      |
| 11TB1236   | 0.249    | 0.099      |
| 11TB1235   | 0.249    | 0.099      |
| 11TB1234   | 0.249    | 0.099      |
| 11TB1233   | 0.249    | 0.099      |
| 11TB1232   | 0.249    | 0.099      |
| 11TB1231   | 0.249    | 0.099      |
| 11TB1230.1 | 0.249    | 0.099      |
| 11TB1230   | 0.249    | 0.099      |
| 11TB1229   | 0.249    | 0.099      |
| 11TB1228   | 0.249    | 0.099      |
| 11TB1227   | 0.249    | 0.099      |
| 11TB1226   | 0.249    | 0.099      |
| 11TB1225   | 0.249    | 0.099      |
| 11TB1224   | 0.249    | 0.099      |
| 11TB1223   | 0.249    | 0.099      |
| 11TB1222   | 0.249    | 0.099      |
| 11TB1220   | 0.249    | 0.099      |
| 11TB1219   | 0.249    | 0.099      |
| 11TB1218   | 0.249    | 0.099      |
| 11TB1217   | 0.249    | 0.099      |
| 11TB1216   | 0.249    | 0.099      |
| 11TB1215   | 0.249    | 0.099      |
| 11TB1214   | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB1213  | 0.249    | 0.099      |
| 11TB1212  | 0.249    | 0.099      |
| 11TB1211  | 0.249    | 0.099      |
| 11TB1210  | 0.249    | 0.099      |
| 11TB1208  | 0.249    | 0.099      |
| 11TB1207  | 0.249    | 0.099      |
| 11TB1206  | 0.249    | 0.099      |
| 11TB1205  | 0.249    | 0.099      |
| 11TB1204  | 0.249    | 0.099      |
| 11TB1203  | 0.249    | 0.099      |
| 11TB0740  | 0.249    | 0.099      |
| 11TB0739  | 0.249    | 0.099      |
| 11TB0738  | 0.249    | 0.099      |
| 11TB0737  | 0.249    | 0.099      |
| 11TB0736  | 0.249    | 0.099      |
| 11TB0735  | 0.249    | 0.099      |
| 11TB0734  | 0.249    | 0.099      |
| 11TB0733  | 0.249    | 0.099      |
| 11TB0732  | 0.249    | 0.099      |
| 11TB0731  | 0.5      | 0.099      |
| 11TB0730  | 0.249    | 0.099      |
| 11TB0729  | 0.249    | 0.099      |
| 11TB0728  | 0.5      | 0.099      |
| 11TB0727  | 0.6      | 0.099      |
| 11TB0726  | 0.5      | 0.099      |
| 11TB0725  | 0.5      | 0.099      |
| 11TB0724  | 0.249    | 0.099      |
| 11TB0723  | 0.249    | 0.099      |
| 11TB0722  | 0.249    | 0.099      |
| 11TB0721  | 0.249    | 0.099      |
| 11TB0719  | 1.3      | 0.099      |
| 11TB0718  | 0.249    | 0.099      |
| 11TB0717  | 0.249    | 0.099      |
| 11TB0716  | 0.249    | 0.099      |
| 11TB0715  | 0.249    | 0.099      |
| 11TB0714  | 0.6      | 0.099      |
| 11TB0713  | 0.249    | 0.099      |
| 11TB0712  | 0.249    | 0.099      |
| 11TB0711  | 0.249    | 0.099      |
| 11TB0710  | 0.5      | 0.099      |
| 11TB0709  | 0.7      | 0.099      |
| 11TB0708  | 0.249    | 0.099      |
| 11TB0707  | 0.249    | 0.099      |
| 11TB0706  | 0.249    | 0.099      |
| 11TB0705  | 0.249    | 0.099      |
| 11TB0704  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0703  | 0.249    | 0.099      |
| 11TB0702  | 0.249    | 0.099      |
| 11TB0700  | 0.7      | 0.099      |
| 11TB0699  | 0.249    | 0.099      |
| 11TB0698  | 0.8      | 0.099      |
| 11TB0697  | 0.5      | 0.099      |
| 11TB0696  | 0.249    | 0.099      |
| 11TB0695  | 0.249    | 0.099      |
| 11TB0694  | 0.249    | 0.099      |
| 11TB0693  | 0.249    | 0.099      |
| 11TB0692  | 0.249    | 0.099      |
| 11TB0691  | 0.6      | 0.099      |
| 11TB0690  | 1        | 0.099      |
| 11TB0689  | 0.6      | 0.099      |
| 11TB0688  | 0.5      | 0.099      |
| 11TB0687  | 1        | 0.099      |
| 11TB0686  | 0.249    | 0.099      |
| 11TB0685  | 0.249    | 0.099      |
| 11TB0684  | 0.249    | 0.099      |
| 11TB0683  | 0.249    | 0.099      |
| 11TB0682  | 0.7      | 0.2        |
| 11TB0680  | 0.249    | 0.099      |
| 11TB0679  | 0.249    | 0.099      |
| 11TB0678  | 0.249    | 0.099      |
| 11TB0677  | 0.249    | 0.099      |
| 11TB0676  | 0.249    | 0.099      |
| 11TB0675  | 0.249    | 0.099      |
| 11TB0674  | 0.249    | 0.2        |
| 11TB0673  | 0.249    | 0.2        |
| 11TB0672  | 0.249    | 0.099      |
| 11TB0671  | 0.249    | 0.099      |
| 11TB0670  | 0.7      | 0.099      |
| 11TB0669  | 0.249    | 0.099      |
| 11TB0668  | 0.249    | 0.099      |
| 11TB0667  | 0.249    | 0.099      |
| 11TB0666  | 0.249    | 0.099      |
| 11TB0665  | 0.249    | 0.099      |
| 11TB0664  | 0.249    | 0.099      |
| 11TB0663  | 0.249    | 0.099      |
| 11TB0662  | 0.249    | 0.099      |
| 11TB0660  | 0.249    | 0.099      |
| 11TB0659  | 0.249    | 0.099      |
| 11TB0658  | 0.249    | 0.099      |
| 11TB0657  | 0.249    | 0.099      |
| 11TB0656  | 0.249    | 0.099      |
| 11TB0655  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0654  | 0.249    | 0.099      |
| 11TB0653  | 0.249    | 0.099      |
| 11TB0652  | 0.249    | 0.099      |
| 11TB0651  | 0.249    | 0.099      |
| 11TB0650  | 0.249    | 0.099      |
| 11TB0648  | 0.249    | 0.099      |
| 11TB0647  | 0.249    | 0.099      |
| 11TB0646  | 0.249    | 0.099      |
| 11TB0645  | 0.249    | 0.099      |
| 11TB0644  | 0.249    | 0.099      |
| 11TB0643  | 0.249    | 0.099      |
| 11TB0642  | 0.249    | 0.099      |
| 11TB0640  | 0.249    | 0.099      |
| 11TB0639  | 0.249    | 0.099      |
| 11TB0638  | 0.249    | 0.099      |
| 11TB0637  | 0.249    | 0.099      |
| 11TB0636  | 0.249    | 0.099      |
| 11TB0635  | 0.249    | 0.099      |
| 11TB0634  | 0.249    | 0.099      |
| 11TB0633  | 0.249    | 0.099      |
| 11TB0632  | 0.249    | 0.099      |
| 11TB0631  | 0.249    | 0.099      |
| 11TB0630  | 0.249    | 0.099      |
| 11TB0629  | 0.249    | 0.099      |
| 11TB0628  | 0.249    | 0.099      |
| 11TB0627  | 0.249    | 0.099      |
| 11TB0626  | 0.249    | 0.099      |
| 11TB0625  | 0.6      | 0.099      |
| 11TB0624  | 0.249    | 0.099      |
| 11TB0623  | 0.6      | 0.099      |
| 11TB0622  | 0.249    | 0.099      |
| 11TB0620  | 0.249    | 0.099      |
| 11TB0619  | 0.249    | 0.099      |
| 11TB0618  | 0.249    | 0.099      |
| 11TB0617  | 0.249    | 0.099      |
| 11TB0616  | 0.249    | 0.099      |
| 11TB0615  | 0.249    | 0.099      |
| 11TB0614  | 0.249    | 0.099      |
| 11TB0613  | 0.249    | 0.099      |
| 11TB0612  | -100     | -100       |
| 11TB0611  | -100     | -100       |
| 11TB0610  | 0.249    | 0.099      |
| 11TB0609  | 0.249    | 0.099      |
| 11TB0608  | 0.249    | 0.099      |
| 11TB0607  | 0.249    | 0.099      |
| 11TB0606  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0605  | 0.249    | 0.099      |
| 11TB0604  | 0.249    | 0.099      |
| 11TB0603  | 0.249    | 0.099      |
| 11TB0602  | 0.249    | 0.099      |
| 11TB0600  | 0.249    | 0.099      |
| 11TB0599  | 0.249    | 0.099      |
| 11TB0598  | 0.5      | 0.099      |
| 11TB0597  | 0.249    | 0.099      |
| 11TB0596  | 0.249    | 0.099      |
| 11TB0595  | 0.249    | 0.099      |
| 11TB0594  | 0.249    | 0.099      |
| 11TB0593  | 0.249    | 0.099      |
| 11TB0592  | 0.249    | 0.3        |
| 11TB0591  | 0.249    | 0.6        |
| 11TB0590  | 0.249    | 0.099      |
| 11TB0589  | 0.249    | 0.099      |
| 11TB0588  | 0.249    | 0.099      |
| 11TB0587  | 0.249    | 0.099      |
| 11TB0586  | 0.249    | 0.099      |
| 11TB0585  | 0.249    | 0.099      |
| 11TB0584  | 0.249    | 0.099      |
| 11TB0583  | 0.249    | 0.099      |
| 11TB0582  | 0.249    | 0.099      |
| 11TB0580  | 0.249    | 0.099      |
| 11TB0579  | 0.249    | 0.099      |
| 11TB0578  | 0.249    | 0.099      |
| 11TB0577  | 0.249    | 0.099      |
| 11TB0576  | 0.249    | 0.099      |
| 11TB0575  | 0.249    | 0.099      |
| 11TB0574  | 0.249    | 0.099      |
| 11TB0573  | 0.249    | 0.099      |
| 11TB0572  | 0.249    | 0.099      |
| 11TB0571  | 0.249    | 0.099      |
| 11TB0570  | 0.249    | 0.099      |
| 11TB0569  | 0.249    | 0.099      |
| 11TB0568  | 0.249    | 0.099      |
| 11TB0567  | 0.249    | 0.099      |
| 11TB0566  | 0.249    | 0.099      |
| 11TB0565  | 0.249    | 0.099      |
| 11TB0564  | 0.249    | 0.099      |
| 11TB0563  | 0.249    | 0.099      |
| 11TB0562  | 0.249    | 0.099      |
| 11TB0560  | 0.249    | 0.099      |
| 11TB0559  | 0.249    | 0.099      |
| 11TB0558  | 0.249    | 0.099      |
| 11TB0557  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0556  | 0.249    | 0.099      |
| 11TB0555  | 0.249    | 0.099      |
| 11TB0554  | 0.249    | 0.099      |
| 11TB0553  | 0.249    | 0.099      |
| 11TB0552  | 0.249    | 0.099      |
| 11TB0551  | 0.249    | 0.099      |
| 11TB0550  | 0.249    | 0.099      |
| 11TB0549  | 0.249    | 0.099      |
| 11TB0548  | 0.249    | 0.099      |
| 11TB0547  | 0.249    | 0.099      |
| 11TB0546  | 0.249    | 0.099      |
| 11TB0545  | 0.249    | 0.099      |
| 11TB0544  | 0.249    | 0.099      |
| 11TB0543  | 0.8      | 0.099      |
| 11TB0542  | 0.249    | 0.099      |
| 11TB0540  | 0.249    | 0.099      |
| 11TB0539  | 0.249    | 0.099      |
| 11TB0538  | 0.249    | 0.099      |
| 11TB0537  | 0.249    | 0.099      |
| 11TB0536  | 0.249    | 0.099      |
| 11TB0535  | 0.249    | 0.099      |
| 11TB0534  | 0.249    | 0.099      |
| 11TB0533  | 0.249    | 0.099      |
| 11TB0532  | 0.249    | 0.099      |
| 11TB0531  | 0.249    | 0.099      |
| 11TB0530  | 0.249    | 0.099      |
| 11TB0529  | 0.249    | 0.099      |
| 11TB0528  | 0.249    | 0.099      |
| 11TB0527  | 0.249    | 0.099      |
| 11TB0526  | 0.249    | 0.099      |
| 11TB0525  | 0.249    | 0.099      |
| 11TB0524  | 0.249    | 0.099      |
| 11TB0523  | 0.249    | 0.099      |
| 11TB0522  | 0.249    | 0.099      |
| 11TB0521  | 0.249    | 0.099      |
| 11TB0520  | 0.249    | 0.099      |
| 11TB0519  | 0.249    | 0.099      |
| 11TB0518  | 0.249    | 0.099      |
| 11TB0517  | 0.249    | 0.099      |
| 11TB0516  | 0.249    | 0.099      |
| 11TB0515  | 0.249    | 0.099      |
| 11TB0514  | 0.249    | 0.099      |
| 11TB0513  | 0.249    | 0.099      |
| 11TB0512  | 0.249    | 0.099      |
| 11TB0511  | 0.249    | 0.099      |
| 11TB0510  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0509  | 0.249    | 0.099      |
| 11TB0508  | 0.249    | 0.099      |
| 11TB0507  | 0.249    | 0.099      |
| 11TB0506  | 0.249    | 0.099      |
| 11TB0505  | 0.249    | 0.099      |
| 11TB0504  | 0.249    | 0.099      |
| 11TB0503  | 0.249    | 0.099      |
| 11TB0502  | 0.249    | 0.099      |
| 11TB0500  | 0.249    | 0.099      |
| 11TB0499  | 0.249    | 0.099      |
| 11TB0498  | 0.249    | 0.099      |
| 11TB0497  | 0.249    | 0.099      |
| 11TB0496  | 0.249    | 0.099      |
| 11TB0495  | 0.249    | 0.099      |
| 11TB0494  | 0.249    | 0.099      |
| 11TB0493  | 0.249    | 0.099      |
| 11TB0492  | 0.249    | 0.099      |
| 11TB0491  | 0.249    | 0.099      |
| 11TB0490  | 0.249    | 0.099      |
| 11TB0489  | 0.249    | 0.099      |
| 11TB0488  | 0.249    | 0.099      |
| 11TB0487  | 0.249    | 0.099      |
| 11TB0486  | 0.249    | 0.099      |
| 11TB0485  | 0.249    | 0.099      |
| 11TB0484  | 0.249    | 0.099      |
| 11TB0483  | 0.249    | 0.099      |
| 11TB0482  | 0.249    | 0.099      |
| 11TB0371  | 1.5      | 0.3        |
| 11TB0370  | 0.8      | 0.4        |
| 11TB0369  | 0.249    | 0.7        |
| 11TB0368  | 0.249    | 0.099      |
| 11TB0367  | 0.249    | 0.099      |
| 11TB0366  | 0.249    | 0.099      |
| 11TB0365  | 0.249    | 0.099      |
| 11TB0364  | 0.249    | 0.099      |
| 11TB0363  | 0.249    | 0.099      |
| 11TB0362  | 0.249    | 0.099      |
| 11TB0360  | 0.249    | 0.099      |
| 11TB0359  | 2.7      | 2.4        |
| 11TB0358  | 0.5      | 0.099      |
| 11TB0357  | 0.249    | 0.6        |
| 11TB0356  | 0.249    | 0.099      |
| 11TB0355  | 1.3      | 0.099      |
| 11TB0354  | 1        | 0.3        |
| 11TB0353  | 0.249    | 0.099      |
| 11TB0352  | 0.7      | 3.9        |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0351  | 0.249    | 0.099      |
| 11TB0350  | 0.249    | 0.099      |
| 11TB0349  | 0.249    | 0.099      |
| 11TB0348  | 0.249    | 0.099      |
| 11TB0347  | 1.6      | 3.9        |
| 11TB0346  | 0.5      | 0.099      |
| 11TB0345  | 0.249    | 0.099      |
| 11TB0344  | 0.249    | 0.099      |
| 11TB0343  | 0.249    | 0.099      |
| 11TB0342  | 0.6      | 0.099      |
| 11TB0340  | 0.249    | 0.3        |
| 11TB0339  | 0.7      | 0.6        |
| 11TB0338  | 1.1      | 0.5        |
| 11TB0337  | 0.249    | 0.6        |
| 11TB0336  | 0.9      | 1.6        |
| 11TB0335  | 0.249    | 0.099      |
| 11TB0334  | 0.5      | 0.4        |
| 11TB0333  | 0.249    | 0.099      |
| 11TB0332  | 0.249    | 0.099      |
| 11TB0331  | 0.249    | 0.099      |
| 11TB0330  | 0.249    | 0.099      |
| 11TB0329  | 0.6      | 0.2        |
| 11TB0328  | 0.249    | 0.099      |
| 11TB0327  | 0.249    | 0.099      |
| 11TB0326  | 0.249    | 0.099      |
| 11TB0325  | 0.6      | 0.099      |
| 11TB0324  | 0.249    | 0.099      |
| 11TB0323  | 0.249    | 0.099      |
| 11TB0322  | 0.249    | 0.099      |
| 11TB0321  | 0.9      | 0.3        |
| 11TB0320  | 0.6      | 0.099      |
| 11TB0319  | 0.6      | 0.4        |
| 11TB0318  | 1.1      | 0.3        |
| 11TB0317  | 1.7      | 0.7        |
| 11TB0316  | 0.9      | 0.4        |
| 11TB0315  | 1.5      | 0.4        |
| 11TB0314  | 0.249    | 0.099      |
| 11TB0313  | 0.7      | 0.099      |
| 11TB0312  | 0.249    | 0.099      |
| 11TB0311  | 0.249    | 0.099      |
| 11TB0310  | 0.249    | 0.099      |
| 11TB0309  | 0.6      | 0.099      |
| 11TB0308  | 0.6      | 0.099      |
| 11TB0307  | 0.7      | 0.099      |
| 11TB0306  | 1.1      | 0.8        |
| 11TB0305  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0304  | 0.249    | 0.099      |
| 11TB0303  | 0.249    | 0.099      |
| 11TB0302  | 0.6      | 0.099      |
| 11TB0300  | 1        | 0.099      |
| 11TB0299  | 0.249    | 0.099      |
| 11TB0298  | 0.249    | 0.099      |
| 11TB0297  | 0.5      | 0.099      |
| 11TB0296  | 1.5      | 0.8        |
| 11TB0295  | 2.7      | 7          |
| 11TB0294  | 2.1      | 0.4        |
| 11TB0293  | 0.9      | 0.2        |
| 11TB0292  | 1.6      | 0.3        |
| 11TB0291  | 0.9      | 0.2        |
| 11TB0290  | 0.249    | 0.099      |
| 11TB0289  | 0.249    | 0.099      |
| 11TB0288  | 0.249    | 0.2        |
| 11TB0287  | 0.249    | 0.099      |
| 11TB0286  | 0.249    | 0.099      |
| 11TB0285  | 0.249    | 0.099      |
| 11TB0284  | 0.249    | 0.099      |
| 11TB0283  | 0.249    | 0.099      |
| 11TB0282  | 0.5      | 0.2        |
| 11TB0280  | 0.249    | 0.099      |
| 11TB0279  | 3.6      | 6.9        |
| 11TB0278  | 1        | 0.4        |
| 11TB0277  | 0.5      | 0.4        |
| 11TB0276  | 0.249    | 0.099      |
| 11TB0275  | 1.4      | 0.3        |
| 11TB0274  | 0.249    | 0.099      |
| 11TB0273  | 0.249    | 0.099      |
| 11TB0272  | 0.249    | 0.099      |
| 11TB0271  | 1.1      | 0.099      |
| 11TB0270  | 0.249    | 0.099      |
| 11TB0269  | 0.249    | 0.099      |
| 11TB0268  | 0.249    | 0.099      |
| 11TB0267  | 0.249    | 0.099      |
| 11TB0266  | 0.249    | 0.099      |
| 11TB0265  | 0.5      | 0.099      |
| 11TB0264  | 0.249    | 0.099      |
| 11TB0263  | 1.2      | 0.099      |
| 11TB0262  | 0.249    | 0.099      |
| 11TB0260  | 0.249    | 0.099      |
| 11TB0259  | 0.249    | 0.099      |
| 11TB0258  | 0.249    | 0.099      |
| 11TB0257  | 0.249    | 0.099      |
| 11TB0256  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0255  | 1        | 0.099      |
| 11TB0254  | 0.9      | 0.099      |
| 11TB0253  | 1.2      | 0.099      |
| 11TB0252  | 0.249    | 0.099      |
| 11TB0251  | 0.249    | 0.099      |
| 11TB0250  | 0.249    | 0.099      |
| 11TB0249  | 0.249    | 0.099      |
| 11TB0248  | 0.7      | 0.099      |
| 11TB0247  | 0.249    | 0.099      |
| 11TB0246  | 0.249    | 0.099      |
| 11TB0245  | 0.249    | 0.099      |
| 11TB0244  | 0.249    | 0.099      |
| 11TB0243  | 0.9      | 0.099      |
| 11TB0242  | 0.249    | 0.099      |
| 11TB0240  | 0.5      | 0.099      |
| 11TB0239  | 0.249    | 0.099      |
| 11TB0238  | 0.249    | 0.099      |
| 11TB0237  | 0.249    | 0.099      |
| 11TB0236  | 0.5      | 0.099      |
| 11TB0235  | 0.249    | 0.099      |
| 11TB0234  | 0.249    | 0.099      |
| 11TB0233  | 0.7      | 0.099      |
| 11TB0232  | 0.249    | 0.099      |
| 11TB0231  | 0.249    | 0.099      |
| 11TB0230  | 0.249    | 0.099      |
| 11TB0229  | 0.249    | 0.099      |
| 11TB0228  | 0.7      | 0.099      |
| 11TB0227  | 0.9      | 0.099      |
| 11TB0226  | 0.6      | 0.099      |
| 11TB0225  | 0.249    | 0.099      |
| 11TB0224  | 0.6      | 0.099      |
| 11TB0223  | 0.6      | 0.099      |
| 11TB0221  | 0.249    | 0.099      |
| 11TB0220  | 0.8      | 0.099      |
| 11TB0219  | 0.249    | 0.099      |
| 11TB0218  | 0.249    | 0.099      |
| 11TB0217  | 0.249    | 0.099      |
| 11TB0216  | 0.249    | 0.099      |
| 11TB0215  | 0.249    | 0.099      |
| 11TB0214  | -100     | -100       |
| 11TB0213  | 0.249    | 0.099      |
| 11TB0212  | 0.5      | 0.099      |
| 11TB0211  | 0.249    | 0.099      |
| 11TB0210  | 0.249    | 0.099      |
| 11TB0209  | 0.249    | 0.099      |
| 11TB0208  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0207  | 0.249    | 0.099      |
| 11TB0206  | 0.249    | 0.099      |
| 11TB0205  | 0.249    | 0.099      |
| 11TB0204  | 0.249    | 0.099      |
| 11TB0203  | 0.249    | 0.099      |
| 11TB0202  | 0.249    | 0.099      |
| 11TB0200  | 0.249    | 0.099      |
| 11TB0199  | 0.249    | 0.099      |
| 11TB0198  | 0.249    | 0.099      |
| 11TB0197  | 0.249    | 0.099      |
| 11TB0196  | -100     | -100       |
| 11TB0195  | 0.6      | 0.099      |
| 11TB0194  | 0.249    | 0.099      |
| 11TB0193  | 0.5      | 0.099      |
| 11TB0192  | 0.6      | 0.099      |
| 11TB0191  | -100     | -100       |
| 11TB0190  | 0.249    | 0.099      |
| 11TB0189  | 0.7      | 0.099      |
| 11TB0188  | 0.249    | 0.099      |
| 11TB0187  | 0.249    | 0.099      |
| 11TB0186  | 0.249    | 0.099      |
| 11TB0185  | 0.249    | 0.099      |
| 11TB0184  | 0.249    | 0.099      |
| 11TB0183  | 0.249    | 0.099      |
| 11TB0182  | 0.249    | 0.099      |
| 11TB0180  | 0.249    | 0.099      |
| 11TB0179  | 0.249    | 0.099      |
| 11TB0178  | 0.249    | 0.099      |
| 11TB0177  | 0.5      | 0.099      |
| 11TB0176  | 0.8      | 0.3        |
| 11TB0175  | 0.249    | 0.099      |
| 11TB0174  | 0.249    | 0.099      |
| 11TB0173  | 0.249    | 0.099      |
| 11TB0172  | 0.5      | 0.099      |
| 11TB0171  | 0.249    | 0.099      |
| 11TB0170  | 0.8      | 0.099      |
| 11TB0169  | 0.5      | 0.099      |
| 11TB0168  | 0.249    | 0.099      |
| 11TB0167  | 0.249    | 0.099      |
| 11TB0166  | -100     | -100       |
| 11TB0165  | 0.249    | 0.099      |
| 11TB0164  | 0.249    | 0.099      |
| 11TB0163  | 0.249    | 0.099      |
| 11Tb0162  | 0.249    | 0.099      |
| 11TB0160  | 0.249    | 0.3        |
| 11TB0159  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0158  | 0.249    | 0.099      |
| 11TB0157  | 0.249    | 0.099      |
| 11TB0156  | 0.249    | 0.099      |
| 11TB0155  | 0.249    | 0.099      |
| 11TB0154  | 0.249    | 0.099      |
| 11TB0153  | 0.249    | 0.099      |
| 11TB0152  | 0.249    | 0.099      |
| 11TB0151  | 0.249    | 0.099      |
| 11TB0150  | 0.249    | 0.099      |
| 11TB0149  | 0.249    | 0.099      |
| 11TB0148  | 0.249    | 0.099      |
| 11TB0147  | 0.249    | 0.099      |
| 11TB0146  | 0.249    | 0.099      |
| 11TB0145  | 0.249    | 0.099      |
| 11TB0144  | 0.5      | 0.099      |
| 11TB0143  | 0.249    | 0.099      |
| 11TB0142  | 0.8      | 0.2        |
| 11TB0140  | 0.249    | 0.099      |
| 11TB0139  | 0.249    | 0.099      |
| 11TB0138  | 0.249    | 0.099      |
| 11TB0137  | 0.249    | 0.099      |
| 11TB0136  | 0.249    | 0.099      |
| 11TB0135  | 0.7      | 0.099      |
| 11TB0134  | 0.249    | 0.099      |
| 11TB0133  | 0.249    | 0.099      |
| 11TB0132  | 0.249    | 0.099      |
| 11TB0131  | 0.249    | 0.099      |
| 11TB0130  | 0.249    | 0.099      |
| 11TB0129  | 0.249    | 0.099      |
| 11TB0128  | 0.249    | 0.099      |
| 11TB0127  | 0.249    | 0.099      |
| 11TB0126  | 0.249    | 0.099      |
| 11TB0125  | 0.249    | 0.099      |
| 11TB0124  | 0.249    | 0.099      |
| 11TB0123  | 0.249    | 0.099      |
| 11TB0122  | 0.249    | 0.099      |
| 11TB0120  | 0.249    | 0.099      |
| 11TB0119  | 0.5      | 0.099      |
| 11TB0118  | 0.249    | 0.099      |
| 11TB0117  | 0.249    | 0.099      |
| 11TB0116  | 0.249    | 0.099      |
| 11TB0115  | 0.249    | 0.099      |
| 11TB0114  | 0.249    | 0.099      |
| 11TB0113  | 0.249    | 0.099      |
| 11TB0112  | 0.249    | 0.099      |
| 11TB0111  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0110  | 0.249    | 0.099      |
| 11TB0109  | 0.249    | 0.099      |
| 11TB0108  | 0.5      | 0.099      |
| 11TB0107  | 0.249    | 0.099      |
| 11TB0106  | 0.249    | 0.099      |
| 11TB0105  | 0.249    | 0.099      |
| 11TB0104  | 0.249    | 0.099      |
| 11TB0103  | 0.249    | 0.099      |
| 11TB0102  | 0.249    | 0.099      |
| 11TB0100  | 0.249    | 0.099      |
| 11TB0099  | 0.8      | 0.099      |
| 11TB0098  | 0.249    | 0.099      |
| 11TB0097  | 0.249    | 0.099      |
| 11TB0096  | 0.249    | 0.099      |
| 11TB0095  | 0.9      | 0.099      |
| 11TB0094  | 0.249    | 0.099      |
| 11TB0093  | 0.249    | 0.099      |
| 11TB0092  | 0.249    | 0.099      |
| 11TB0091  | 0.249    | 0.099      |
| 11TB0090  | 0.249    | 0.099      |
| 11TB0089  | 0.249    | 0.099      |
| 11TB0088  | 0.6      | 0.099      |
| 11TB0087  | 0.249    | 0.099      |
| 11TB0086  | 0.249    | 0.099      |
| 11TB0085  | 0.6      | 0.099      |
| 11TB0084  | 0.249    | 0.099      |
| 11TB0083  | 0.249    | 0.099      |
| 11TB0082  | 0.8      | 0.099      |
| 11TB0081  | 0.249    | 0.099      |
| 11TB0080  | 0.6      | 0.099      |
| 11TB0079  | 0.249    | 0.099      |
| 11TB0078  | 0.249    | 0.099      |
| 11TB0077  | 0.249    | 0.099      |
| 11TB0076  | 0.6      | 0.099      |
| 11TB0075  | 0.8      | 0.099      |
| 11TB0074  | 0.249    | 0.099      |
| 11TB0073  | 0.249    | 0.2        |
| 11TB0072  | 0.249    | 0.099      |
| 11TB0071  | 0.249    | 0.099      |
| 11TB0070  | 0.249    | 0.099      |
| 11TB0069  | 0.7      | 0.099      |
| 11TB0068  | 0.249    | 0.099      |
| 11TB0067  | 0.7      | 0.099      |
| 11TB0066  | 0.249    | 0.099      |
| 11TB0065  | 0.249    | 0.099      |
| 11TB0064  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0063  | 0.5      | 0.099      |
| 11TB0062  | 0.7      | 0.099      |
| 11TB0061  | 0.6      | 0.099      |
| 11TB0060  | 1.7      | 0.099      |
| 11TB0059  | 0.249    | 0.099      |
| 11TB0058  | 0.5      | 0.099      |
| 11TB0057  | 0.249    | 0.099      |
| 11TB0056  | 0.249    | 0.099      |
| 11TB0055  | 0.5      | 0.099      |
| 11TB0054  | 0.7      | 0.099      |
| 11TB0053  | 0.7      | 0.099      |
| 11TB0052  | 0.249    | 0.099      |
| 11TB0051  | 0.8      | 0.099      |
| 11TB0050  | 0.6      | 0.099      |
| 11TB0049  | 0.249    | 0.099      |
| 11TB0048  | 0.249    | 0.099      |
| 11TB0047  | 0.6      | 0.099      |
| 11TB0046  | 0.5      | 0.099      |
| 11TB0045  | 0.249    | 0.099      |
| 11TB0044  | 0.249    | 0.099      |
| 11TB0043  | 0.249    | 0.099      |
| 11TB0042  | 0.249    | 0.099      |
| 11TB0040  | 0.249    | 0.099      |
| 11TB0039  | 0.249    | 0.099      |
| 11TB0038  | 0.249    | 0.099      |
| 11TB0037  | 0.249    | 0.099      |
| 11TB0036  | 0.8      | 0.099      |
| 11TB0035  | 0.249    | 0.099      |
| 11TB0034  | 0.249    | 0.099      |
| 11TB0033  | 0.249    | 0.099      |
| 11TB0032  | 0.249    | 0.099      |
| 11TB0031  | 0.249    | 0.099      |
| 11TB0030  | 0.249    | 0.099      |
| 11TB0029  | 0.249    | 0.099      |
| 11TB0028  | 0.249    | 0.099      |
| 11TB0027  | 0.249    | 0.099      |
| 11TB0026  | 0.249    | 0.099      |
| 11TB0025  | 0.249    | 0.099      |
| 11TB0024  | 0.249    | 0.099      |
| 11TB0023  | 0.249    | 0.099      |
| 11TB0022  | 0.249    | 0.099      |
| 11TB0020  | 0.249    | 0.099      |
| 11TB0019  | 0.249    | 0.099      |
| 11TB0018  | 0.249    | 0.099      |
| 11TB0017  | 0.249    | 0.099      |
| 11TB0016  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11TB0015  | 0.7      | 0.099      |
| 11TB0014  | 0.5      | 0.099      |
| 11TB0013  | 0.9      | 0.099      |
| 11TB0012  | 0.6      | 0.099      |
| 11TB0011  | 0.7      | 0.9        |
| 11TB0010  | 0.249    | 0.3        |
| 11TB0009  | 0.249    | 0.099      |
| 11TB0008  | 0.5      | 0.099      |
| 11TB0007  | 0.249    | 0.099      |
| 11TB0006  | 0.249    | 0.099      |
| 11TB0005  | 0.6      | 0.099      |
| 11TB0004  | 0.5      | 0.099      |
| 11TB0003  | 0.249    | 0.099      |
| 11TB0002  | 0.249    | 0.099      |
| 11TB0001  | 0.249    | 0.099      |
| 11NG0747  | 0.249    | 0.099      |
| 11NG0746  | 0.8      | 0.2        |
| 11NG0745  | 0.249    | 0.099      |
| 11NG0744  | 0.249    | 0.099      |
| 11NG0743  | 0.249    | 0.099      |
| 11NG0742  | 0.249    | 0.099      |
| 11NG0740  | 0.249    | 0.099      |
| 11NG0739  | 0.249    | 0.099      |
| 11NG0738  | 0.249    | 0.099      |
| 11NG0737  | 0.6      | 0.099      |
| 11NG0736  | 0.249    | 0.099      |
| 11NG0734  | 0.249    | 0.099      |
| 11NG0733  | 0.249    | 0.099      |
| 11NG0732  | 0.5      | 0.099      |
| 11NG0731  | 0.249    | 0.099      |
| 11NG0730  | 0.249    | 0.099      |
| 11NG0729  | 0.249    | 0.099      |
| 11NG0728  | 0.7      | 0.099      |
| 11NG0727  | 0.249    | 0.099      |
| 11NG0726  | 0.249    | 0.099      |
| 11NG0725  | 0.249    | 0.099      |
| 11NG0724  | 0.6      | 0.2        |
| 11NG0723  | 0.249    | 0.099      |
| 11NG0722  | 0.249    | 0.099      |
| 11NG0720  | 0.249    | 0.099      |
| 11NG0719  | 0.249    | 0.099      |
| 11NG0718  | 0.249    | 0.099      |
| 11NG0717  | 0.249    | 0.099      |
| 11NG0716  | 0.249    | 0.099      |
| 11NG0715  | 0.249    | 0.099      |
| 11NG0714  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0713  | 0.249    | 0.099      |
| 11NG0712  | 0.249    | 0.099      |
| 11NG0711  | 0.249    | 0.099      |
| 11NG0710  | 0.249    | 0.099      |
| 11NG0709  | 0.249    | 0.099      |
| 11NG0708  | 0.6      | 0.099      |
| 11NG0707  | 0.249    | 0.099      |
| 11NG0706  | 0.249    | 0.099      |
| 11NG0705  | 0.249    | 0.099      |
| 11NG0704  | 0.6      | 0.099      |
| 11NG0703  | 0.249    | 0.099      |
| 11NG0702  | 0.249    | 0.099      |
| 11NG0700  | 0.249    | 0.099      |
| 11NG0699  | 0.249    | 0.099      |
| 11NG0698  | 0.249    | 0.099      |
| 11NG0697  | 0.249    | 0.099      |
| 11NG0696  | 0.249    | 0.099      |
| 11NG0695  | 0.249    | 0.099      |
| 11NG0694  | 0.249    | 0.099      |
| 11NG0693  | 0.249    | 0.099      |
| 11NG0692  | 0.249    | 0.099      |
| 11NG0691  | 0.249    | 0.099      |
| 11NG0690  | 0.249    | 0.099      |
| 11NG0689  | 0.249    | 0.099      |
| 11NG0688  | 1        | 0.099      |
| 11NG0687  | 0.249    | 0.099      |
| 11NG0686  | 0.6      | 0.099      |
| 11NG0685  | 0.6      | 0.099      |
| 11NG0684  | 0.249    | 0.099      |
| 11NG0682  | 0.249    | 0.099      |
| 11NG0680  | 1.3      | 1.1        |
| 11NG0679  | 0.249    | 0.099      |
| 11NG0678  | 0.5      | 0.099      |
| 11NG0677  | 0.6      | 0.099      |
| 11NG0676  | 0.249    | 0.099      |
| 11NG0675  | 0.249    | 0.099      |
| 11NG0674  | 0.5      | 0.099      |
| 11NG0673  | 0.249    | 0.099      |
| 11NG0672  | 0.8      | 0.099      |
| 11NG0671  | 0.5      | 0.099      |
| 11NG0670  | 0.249    | 0.099      |
| 11NG0669  | 0.249    | 0.099      |
| 11NG0668  | 0.249    | 0.099      |
| 11NG0667  | 0.249    | 0.099      |
| 11NG0666  | 0.249    | 0.099      |
| 11NG0665  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0664  | 0.5      | 0.099      |
| 11NG0663  | 0.249    | 0.099      |
| 11NG0662  | 0.249    | 0.099      |
| 11NG0660  | 0.6      | 0.099      |
| 11NG0659  | 0.249    | 0.099      |
| 11NG0658  | 0.249    | 0.099      |
| 11NG0657  | 0.6      | 0.099      |
| 11NG0656  | 0.9      | 0.099      |
| 11NG0655  | 0.6      | 0.099      |
| 11NG0654  | 0.6      | 0.099      |
| 11NG0653  | -100     | -100       |
| 11NG0652  | 0.6      | 0.099      |
| 11NG0651  | 0.7      | 0.099      |
| 11NG0650  | 0.7      | 0.099      |
| 11NG0649  | 0.249    | 0.099      |
| 11NG0648  | 0.249    | 0.099      |
| 11NG0647  | 0.249    | 0.099      |
| 11NG0646  | 0.6      | 0.099      |
| 11NG0645  | 0.249    | 0.099      |
| 11NG0644  | 0.5      | 0.099      |
| 11NG0643  | 0.249    | 0.099      |
| 11NG0642  | 0.249    | 0.099      |
| 11NG0640  | 0.249    | 0.099      |
| 11NG0639  | 0.249    | 0.099      |
| 11NG0638  | 0.249    | 0.099      |
| 11NG0637  | 0.5      | 0.099      |
| 11NG0636  | 0.249    | 0.099      |
| 11NG0635  | 0.9      | 0.099      |
| 11NG0634  | 0.249    | 0.099      |
| 11NG0633  | 0.6      | 0.099      |
| 11NG0632  | 0.6      | 0.099      |
| 11NG0631  | 0.8      | 0.099      |
| 11NG0630  | 0.9      | 0.6        |
| 11NG0629  | 0.6      | 0.099      |
| 11NG0628  | 1.2      | 0.099      |
| 11NG0627  | 0.249    | 0.099      |
| 11NG0626  | 0.249    | 0.099      |
| 11NG0625  | 0.249    | 0.099      |
| 11NG0624  | 1.1      | 0.099      |
| 11NG0623  | 0.249    | 0.099      |
| 11NG0622  | 0.5      | 0.099      |
| 11NG0620  | 0.5      | 0.099      |
| 11NG0619  | 0.249    | 0.099      |
| 11NG0618  | 0.249    | 0.099      |
| 11NG0617  | 0.249    | 0.099      |
| 11NG0615  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0614  | 0.249    | 0.099      |
| 11NG0613  | 0.249    | 0.099      |
| 11NG0612  | 0.249    | 0.099      |
| 11NG0611  | 0.249    | 0.099      |
| 11NG0610  | 0.249    | 0.099      |
| 11NG0609  | 0.249    | 0.099      |
| 11NG0608  | 0.249    | 0.099      |
| 11NG0607  | 0.249    | 0.099      |
| 11NG0606  | 0.249    | 0.099      |
| 11NG0605  | 0.249    | 0.099      |
| 11NG0604  | 0.249    | 0.099      |
| 11NG0603  | 0.249    | 0.099      |
| 11NG0602  | 0.249    | 0.099      |
| 11NG0600  | 0.249    | 0.099      |
| 11NG0599  | 0.249    | 0.099      |
| 11NG0598  | 0.249    | 0.099      |
| 11NG0597  | 0.249    | 0.099      |
| 11NG0596  | -100     | -100       |
| 11NG0595  | 0.249    | 0.099      |
| 11NG0594  | 0.6      | 0.2        |
| 11NG0593  | 0.249    | 0.099      |
| 11NG0592  | 0.249    | 0.099      |
| 11NG0591  | 0.249    | 0.099      |
| 11NG0590  | 0.249    | 0.099      |
| 11NG0589  | 0.6      | 0.099      |
| 11NG0588  | 0.249    | 0.099      |
| 11NG0587  | 0.249    | 0.099      |
| 11NG0586  | 0.249    | 0.099      |
| 11NG0585  | 0.249    | 0.099      |
| 11NG0584  | 0.249    | 0.099      |
| 11NG0583  | 0.5      | 0.099      |
| 11NG0582  | 0.249    | 0.099      |
| 11NG0580  | 0.249    | 0.099      |
| 11NG0579  | 0.6      | 0.099      |
| 11NG0578  | 0.249    | 0.099      |
| 11NG0577  | 0.249    | 0.099      |
| 11NG0576  | 0.249    | 0.099      |
| 11NG0575  | 0.249    | 0.099      |
| 11NG0574  | 0.249    | 0.099      |
| 11NG0573  | 0.249    | 0.099      |
| 11NG0572  | 0.249    | 0.099      |
| 11NG0571  | 0.249    | 0.099      |
| 11NG0570  | 0.249    | 0.099      |
| 11NG0569  | 0.249    | 0.099      |
| 11NG0568  | 0.249    | 0.099      |
| 11NG0567  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0566  | 0.249    | 0.099      |
| 11NG0565  | 0.249    | 0.099      |
| 11NG0564  | 0.249    | 0.099      |
| 11NG0563  | 0.249    | 0.099      |
| 11NG0562  | 0.249    | 0.099      |
| 11NG0560  | 0.249    | 0.099      |
| 11NG0559  | 0.249    | 0.099      |
| 11NG0558  | 0.249    | 0.099      |
| 11NG0557  | 0.249    | 0.099      |
| 11NG0556  | 0.249    | 0.099      |
| 11NG0555  | 0.249    | 0.099      |
| 11NG0554  | -100     | -100       |
| 11NG0553  | 0.249    | 0.099      |
| 11NG0552  | 0.249    | 0.099      |
| 11NG0551  | 0.249    | 0.099      |
| 11NG0550  | 0.249    | 0.099      |
| 11NG0549  | 0.249    | 0.099      |
| 11NG0548  | 0.249    | 0.099      |
| 11NG0547  | 0.249    | 0.099      |
| 11NG0546  | 0.249    | 0.099      |
| 11NG0545  | 0.249    | 0.099      |
| 11NG0544  | 0.249    | 0.099      |
| 11NG0543  | 0.249    | 0.099      |
| 11NG0542  | 0.249    | 0.099      |
| 11NG0540  | 0.249    | 0.099      |
| 11NG0539  | 0.249    | 0.099      |
| 11NG0538  | 0.249    | 0.099      |
| 11NG0537  | 0.249    | 0.099      |
| 11NG0536  | 0.249    | 0.099      |
| 11NG0535  | -100     | -100       |
| 11NG0534  | 0.249    | 0.099      |
| 11NG0533  | 0.249    | 0.099      |
| 11NG0532  | 0.249    | 0.099      |
| 11NG0531  | 0.249    | 0.099      |
| 11NG0530  | 0.249    | 0.099      |
| 11NG0529  | 0.249    | 0.099      |
| 11NG0528  | 0.249    | 0.099      |
| 11NG0527  | 0.249    | 0.099      |
| 11NG0526  | 0.249    | 0.099      |
| 11NG0525  | 0.249    | 0.099      |
| 11NG0524  | 0.249    | 0.099      |
| 11NG0523  | 0.249    | 0.099      |
| 11NG0522  | 0.249    | 0.099      |
| 11NG0520  | 0.249    | 0.099      |
| 11NG0519  | 0.249    | 0.099      |
| 11NG0518  | -100     | -100       |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0517  | 0.5      | 0.099      |
| 11NG0516  | 0.249    | 0.099      |
| 11NG0515  | 0.249    | 0.099      |
| 11NG0396  | 0.249    | 0.2        |
| 11NG0395  | 0.249    | 0.099      |
| 11NG0394  | 0.249    | 0.099      |
| 11NG0393  | 2.3      | 0.4        |
| 11NG0392  | 0.5      | 0.3        |
| 11NG0391  | 0.249    | 0.099      |
| 11NG0390  | 0.249    | 0.099      |
| 11NG0389  | 0.249    | 0.099      |
| 11NG0388  | 0.249    | 0.099      |
| 11NG0387  | 0.9      | 1.2        |
| 11NG0386  | 6.2      | 1.2        |
| 11NG0385  | 4.4      | 0.2        |
| 11NG0384  | 0.249    | 0.5        |
| 11NG0383  | 0.249    | 0.099      |
| 11NG0382  | 0.249    | 0.4        |
| 11NG0380  | 2.5      | 0.3        |
| 11NG0379  | 1.3      | 0.6        |
| 11NG0378  | 0.249    | 0.4        |
| 11NG0377  | 0.249    | 0.099      |
| 11NG0376  | 0.6      | 0.099      |
| 11NG0375  | 0.249    | 0.099      |
| 11NG0374  | 0.249    | 0.099      |
| 11NG0373  | 0.249    | 0.099      |
| 11NG0372  | 0.6      | 0.099      |
| 11NG0371  | 0.249    | 0.099      |
| 11NG0370  | 0.249    | 0.099      |
| 11NG0369  | 0.249    | 0.099      |
| 11NG0368  | 0.249    | 0.099      |
| 11NG0367  | 1        | 0.6        |
| 11NG0366  | 2.4      | 0.6        |
| 11NG0365  | 0.9      | 0.6        |
| 11NG0364  | 1.4      | 0.6        |
| 11NG0363  | 0.249    | 0.099      |
| 11NG0362  | 0.7      | 0.4        |
| 11NG0360  | 0.249    | 0.099      |
| 11NG0359  | 1        | 0.3        |
| 11NG0358  | 0.249    | 0.099      |
| 11NG0357  | 0.249    | 0.099      |
| 11NG0356  | 0.249    | 0.099      |
| 11NG0355  | 0.9      | 0.099      |
| 11NG0354  | 0.249    | 0.2        |
| 11NG0353  | 0.249    | 0.099      |
| 11NG0352  | 0.7      | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0351  | 0.8      | 0.099      |
| 11NG0350  | 0.8      | 0.099      |
| 11NG0349  | 1.2      | 1.1        |
| 11NG0348  | 1.4      | 4.8        |
| 11NG0347  | 2.1      | 1.3        |
| 11NG0346  | 0.6      | 0.099      |
| 11NG0345  | 0.249    | 0.2        |
| 11NG0344  | 0.249    | 0.099      |
| 11NG0343  | 0.249    | 0.099      |
| 11NG0342  | 0.249    | 0.099      |
| 11NG0340  | 0.8      | 0.2        |
| 11NG0339  | 0.9      | 0.3        |
| 11NG0338  | 1.1      | 0.5        |
| 11NG0337  | 0.9      | 0.099      |
| 11NG0336  | 0.249    | 0.099      |
| 11NG0335  | 1.1      | 0.099      |
| 11NG0334  | 0.8      | 0.099      |
| 11NG0333  | 0.6      | 0.099      |
| 11NG0332  | 0.5      | 0.099      |
| 11NG0331  | 0.249    | 0.099      |
| 11NG0330  | 0.249    | 0.099      |
| 11NG0329  | 0.249    | 0.099      |
| 11NG0328  | 0.249    | 0.099      |
| 11NG0327  | 0.8      | 0.4        |
| 11NG0326  | 1.4      | 1.9        |
| 11NG0325  | 0.249    | 0.2        |
| 11NG0324  | 0.249    | 0.099      |
| 11NG0323  | 0.249    | 0.2        |
| 11NG0322  | 0.249    | 0.099      |
| 11NG0320  | 0.249    | 0.099      |
| 11NG0319  | 0.9      | 2.1        |
| 11NG0318  | 0.7      | 0.099      |
| 11NG0317  | 0.249    | 0.099      |
| 11NG0316  | 0.7      | 0.099      |
| 11NG0315  | 0.9      | 0.099      |
| 11NG0314  | 0.9      | 1.4        |
| 11NG0313  | 1        | 0.3        |
| 11NG0312  | 0.8      | 0.3        |
| 11NG0311  | 1        | 0.6        |
| 11NG0310  | 1.7      | 1.4        |
| 11NG0309  | 1.9      | 1.6        |
| 11NG0308  | 0.9      | 0.4        |
| 11NG0307  | 0.7      | 0.099      |
| 11NG0306  | 0.8      | 0.2        |
| 11NG0305  | 0.7      | 0.099      |
| 11NG0304  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0303  | 0.249    | 0.099      |
| 11NG0302  | 0.249    | 0.099      |
| 11NG0300  | 0.249    | 0.099      |
| 11NG0299  | 0.249    | 0.099      |
| 11NG0298  | 7.8      | 13.4       |
| 11NG0297  | 3.7      | 2.6        |
| 11NG0296  | 1.9      | 2.1        |
| 11NG0295  | 0.6      | 0.099      |
| 11NG0294  | 0.5      | 0.099      |
| 11NG0293  | 0.7      | 0.099      |
| 11NG0292  | 0.5      | 0.099      |
| 11NG0291  | 0.249    | 0.099      |
| 11NG0290  | 0.249    | 0.099      |
| 11NG0289  | 0.5      | 0.099      |
| 11NG0288  | 0.249    | 0.099      |
| 11NG0287  | 0.6      | 0.7        |
| 11NG0286  | 1.5      | 0.099      |
| 11NG0285  | 0.8      | 0.7        |
| 11NG0284  | 3.7      | 3.1        |
| 11NG0283  | 0.6      | 0.099      |
| 11NG0282  | 0.249    | 0.099      |
| 11NG0280  | 0.5      | 0.099      |
| 11NG0279  | 0.7      | 0.099      |
| 11NG0278  | 0.249    | 0.099      |
| 11NG0277  | 0.7      | 0.099      |
| 11NG0276  | 0.6      | 0.099      |
| 11NG0275  | 0.6      | 0.099      |
| 11NG0274  | 0.249    | 0.099      |
| 11NG0273  | 0.8      | 0.099      |
| 11NG0272  | 0.8      | 0.099      |
| 11NG0271  | 0.249    | 0.099      |
| 11NG0270  | 0.249    | 0.099      |
| 11NG0269  | 0.249    | 0.099      |
| 11NG0268  | 0.7      | 0.099      |
| 11NG0267  | 0.6      | 0.099      |
| 11NG0266  | 0.249    | 0.099      |
| 11NG0265  | 0.9      | 0.099      |
| 11NG0264  | 0.249    | 0.099      |
| 11NG0263  | 0.249    | 0.099      |
| 11NG0262  | 0.249    | 0.099      |
| 11NG0260  | 0.6      | 0.099      |
| 11NG0259  | 0.249    | 0.099      |
| 11NG0258  | 0.249    | 0.099      |
| 11NG0257  | 0.249    | 0.099      |
| 11NG0256  | 1.5      | 0.099      |
| 11NG0255  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0254  | 0.249    | 0.099      |
| 11NG0253  | 0.249    | 0.099      |
| 11NG0252  | 0.8      | 0.099      |
| 11NG0251  | 0.6      | 0.099      |
| 11NG0250  | 0.249    | 0.099      |
| 11NG0249  | 0.249    | 0.099      |
| 11NG0248  | 2.5      | 0.099      |
| 11NG0247  | 0.249    | 0.4        |
| 11NG0246  | 0.249    | 0.099      |
| 11NG0245  | 0.249    | 0.099      |
| 11NG0244  | 0.249    | 0.099      |
| 11NG0243  | 0.249    | 0.099      |
| 11NG0242  | 0.249    | 0.099      |
| 11NG0240  | 0.7      | 0.099      |
| 11NG0239  | 0.6      | 0.099      |
| 11NG0238  | 0.249    | 0.099      |
| 11NG0237  | 0.249    | 0.099      |
| 11NG0236  | 0.249    | 0.099      |
| 11NG0235  | 0.249    | 0.099      |
| 11NG0234  | 0.249    | 0.099      |
| 11NG0233  | 0.249    | 0.099      |
| 11NG0232  | 0.249    | 0.099      |
| 11NG0231  | 0.249    | 0.099      |
| 11NG0230  | 0.249    | 0.099      |
| 11NG0229  | 0.249    | 0.099      |
| 11NG0228  | 0.249    | 0.099      |
| 11NG0227  | 0.249    | 0.099      |
| 11NG0226  | 0.249    | 0.099      |
| 11NG0225  | 0.249    | 0.099      |
| 11NG0224  | 0.249    | 0.099      |
| 11NG0223  | 0.249    | 0.099      |
| 11NG0222  | 0.249    | 0.099      |
| 11NG0220  | 0.249    | 0.099      |
| 11NG0219  | 0.249    | 0.099      |
| 11NG0218  | 0.249    | 0.099      |
| 11NG0217  | 0.249    | 0.2        |
| 11NG0216  | 0.249    | 0.099      |
| 11NG0215  | 0.249    | 0.099      |
| 11NG0214  | 0.249    | 0.099      |
| 11NG0213  | 0.249    | 0.099      |
| 11NG0212  | 0.249    | 0.099      |
| 11NG0211  | 0.249    | 0.099      |
| 11NG0210  | -100     | -100       |
| 11NG0209  | 0.249    | 0.099      |
| 11NG0208  | 0.249    | 0.099      |
| 11NG0207  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0206  | 0.249    | 0.099      |
| 11NG0205  | 0.6      | 0.099      |
| 11NG0204  | 0.6      | 0.099      |
| 11NG0203  | 0.249    | 0.099      |
| 11NG0202  | 0.249    | 0.099      |
| 11NG0200  | 0.249    | 1.6        |
| 11NG0199  | 0.249    | 0.099      |
| 11NG0198  | 0.249    | 0.099      |
| 11NG0197  | 0.249    | 0.099      |
| 11NG0196  | 0.6      | 0.099      |
| 11NG0195  | 0.249    | 0.099      |
| 11NG0194  | 0.6      | 0.099      |
| 11NG0193  | 0.249    | 0.099      |
| 11NG0192  | 0.8      | 0.099      |
| 11NG0191  | 0.249    | 0.099      |
| 11NG0190  | 0.249    | 0.099      |
| 11NG0189  | 0.249    | 0.099      |
| 11NG0188  | 0.249    | 0.099      |
| 11NG0187  | 0.249    | 0.099      |
| 11NG0185  | 0.5      | 0.099      |
| 11NG0184  | 0.249    | 0.099      |
| 11NG0182  | 0.249    | 0.099      |
| 11NG0180  | 0.249    | 0.099      |
| 11NG0179  | 0.7      | 0.099      |
| 11NG0178  | 0.249    | 0.099      |
| 11NG0177  | 0.5      | 0.099      |
| 11NG0176  | 0.249    | 0.099      |
| 11NG0175  | 0.5      | 0.099      |
| 11NG0174  | 0.249    | 0.099      |
| 11NG0173  | 0.249    | 0.099      |
| 11NG0172  | 0.6      | 0.099      |
| 11NG0171  | 0.249    | 0.099      |
| 11NG0170  | 0.5      | 0.099      |
| 11NG0169  | 0.249    | 0.099      |
| 11NG0168  | 0.249    | 0.099      |
| 11NG0167  | 0.7      | 0.6        |
| 11NG0166  | 0.249    | 0.099      |
| 11NG0165  | 0.5      | 0.099      |
| 11NG0164  | 0.249    | 0.099      |
| 11NG0163  | 0.5      | 0.099      |
| 11NG0162  | 0.249    | 0.099      |
| 11NG0160  | 0.249    | 0.099      |
| 11NG0159  | 0.249    | 0.099      |
| 11NG0158  | 0.249    | 0.099      |
| 11NG0157  | 0.249    | 0.099      |
| 11NG0156  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0155  | 0.249    | 0.099      |
| 11NG0154  | 0.249    | 0.099      |
| 11NG0153  | 0.249    | 0.099      |
| 11NG0152  | 0.249    | 0.099      |
| 11NG0151  | 0.249    | 0.099      |
| 11NG0150  | 0.249    | 0.099      |
| 11NG0149  | 0.249    | 0.099      |
| 11NG0148  | 0.249    | 0.099      |
| 11NG0147  | 0.249    | 0.099      |
| 11NG0146  | 0.249    | 0.099      |
| 11NG0145  | 0.249    | 0.099      |
| 11NG0144  | 0.249    | 0.099      |
| 11NG0143  | 0.249    | 0.099      |
| 11NG0142  | 0.249    | 0.099      |
| 11NG0140  | 0.249    | 0.099      |
| 11NG0139  | 0.249    | 0.099      |
| 11NG0138  | 0.249    | 0.099      |
| 11NG0137  | 0.249    | 0.099      |
| 11NG0136  | 0.249    | 0.099      |
| 11NG0135  | 0.249    | 0.099      |
| 11NG0134  | 0.249    | 0.099      |
| 11NG0133  | 0.249    | 0.099      |
| 11NG0132  | 0.249    | 0.099      |
| 11NG0131  | 0.249    | 0.099      |
| 11NG0130  | 0.249    | 0.099      |
| 11NG0129  | 0.249    | 0.099      |
| 11NG0128  | 0.249    | 0.099      |
| 11NG0127  | 0.249    | 0.099      |
| 11NG0126  | 0.249    | 0.099      |
| 11NG0125  | 0.249    | 0.099      |
| 11NG0124  | 0.249    | 0.099      |
| 11NG0123  | 0.249    | 0.099      |
| 11NG0122  | 0.5      | 0.099      |
| 11NG0120  | 0.6      | 0.099      |
| 11NG0119  | 0.249    | 0.099      |
| 11NG0118  | 0.249    | 0.099      |
| 11NG0117  | 0.249    | 0.099      |
| 11NG0116  | 0.249    | 0.099      |
| 11NG0115  | 0.249    | 0.099      |
| 11NG0114  | 0.249    | 0.099      |
| 11NG0113  | 0.249    | 0.099      |
| 11NG0112  | 0.249    | 0.099      |
| 11NG0111  | 0.249    | 0.099      |
| 11NG0110  | 0.249    | 0.099      |
| 11NG0109  | 0.249    | 0.099      |
| 11NG0108  | 0.7      | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0107  | 0.249    | 0.099      |
| 11NG0106  | 0.249    | 0.099      |
| 11NG0105  | 0.9      | 0.099      |
| 11NG0104  | 0.8      | 0.099      |
| 11NG0103  | 0.249    | 0.099      |
| 11NG0102  | 0.6      | 0.099      |
| 11NG0100  | 0.249    | 0.099      |
| 11NG0098  | 0.249    | 0.099      |
| 11NG0097  | 0.249    | 0.099      |
| 11NG0096  | 0.249    | 0.099      |
| 11NG0095  | 0.249    | 0.099      |
| 11NG0094  | 0.249    | 0.099      |
| 11NG0093  | 0.249    | 0.099      |
| 11NG0092  | 0.249    | 0.099      |
| 11NG0091  | 0.249    | 0.099      |
| 11NG0090  | 0.249    | 0.099      |
| 11NG0089  | 0.249    | 0.099      |
| 11NG0088  | 0.249    | 0.099      |
| 11NG0087  | 0.6      | 0.099      |
| 11NG0086  | 0.249    | 0.099      |
| 11NG0085  | 0.7      | 0.099      |
| 11NG0084  | 0.5      | 0.099      |
| 11NG0083  | 0.8      | 0.099      |
| 11NG0082  | 0.249    | 0.099      |
| 11NG0080  | 0.5      | 0.099      |
| 11NG0079  | 0.249    | 0.099      |
| 11NG0078  | 0.249    | 0.099      |
| 11NG0077  | 0.249    | 0.099      |
| 11NG0076  | 0.7      | 0.099      |
| 11NG0075  | 0.6      | 0.099      |
| 11NG0074  | 0.249    | 0.099      |
| 11NG0073  | 0.6      | 0.099      |
| 11NG0072  | 0.249    | 0.099      |
| 11NG0071  | 0.249    | 0.099      |
| 11NG0070  | 0.249    | 0.099      |
| 11NG0069  | 0.249    | 0.099      |
| 11NG0068  | 0.249    | 0.099      |
| 11NG0067  | 0.249    | 0.099      |
| 11NG0066  | 0.249    | 0.099      |
| 11NG0065  | 0.249    | 0.099      |
| 11NG0064  | 0.249    | 0.099      |
| 11NG0063  | 0.249    | 0.099      |
| 11NG0062  | 0.249    | 0.099      |
| 11NG0060  | 0.249    | 0.099      |
| 11NG0059  | 0.249    | 0.099      |
| 11NG0058  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0057  | 0.249    | 0.099      |
| 11NG0056  | 0.249    | 0.099      |
| 11NG0055  | 0.249    | 0.099      |
| 11NG0054  | 0.249    | 0.099      |
| 11NG0053  | 0.249    | 0.099      |
| 11NG0052  | 0.249    | 0.099      |
| 11NG0051  | 0.5      | 0.099      |
| 11NG0050  | 0.249    | 0.099      |
| 11NG0049  | 0.249    | 0.099      |
| 11NG0048  | 0.249    | 0.099      |
| 11NG0047  | 0.249    | 0.099      |
| 11NG0046  | 0.249    | 0.099      |
| 11NG0045  | 0.249    | 0.099      |
| 11NG0044  | 0.7      | 0.099      |
| 11NG0043  | 0.249    | 0.099      |
| 11NG0042  | 0.249    | 0.099      |
| 11NG0040  | 0.249    | 0.3        |
| 11NG0039  | 0.249    | 0.099      |
| 11NG0038  | 0.249    | 0.099      |
| 11NG0037  | 0.249    | 0.099      |
| 11NG0036  | 0.249    | 0.099      |
| 11NG0035  | 0.249    | 0.099      |
| 11NG0034  | 0.249    | 0.099      |
| 11NG0033  | 0.249    | 0.099      |
| 11NG0032  | 0.249    | 0.099      |
| 11NG0031  | 1        | 0.099      |
| 11NG0030  | 0.249    | 0.099      |
| 11NG0029  | 0.249    | 0.099      |
| 11NG0028  | 0.6      | 0.099      |
| 11NG0027  | 0.249    | 0.099      |
| 11NG0026  | 0.249    | 0.099      |
| 11NG0025  | 0.249    | 0.099      |
| 11NG0024  | 0.249    | 0.099      |
| 11NG0023  | 0.249    | 0.099      |
| 11NG0022  | 0.249    | 0.099      |
| 11NG0020  | 0.249    | 0.099      |
| 11NG0019  | 0.249    | 0.099      |
| 11NG0018  | 0.249    | 0.099      |
| 11NG0017  | 0.249    | 0.099      |
| 11NG0016  | 0.249    | 0.099      |
| 11NG0015  | 0.249    | 0.099      |
| 11NG0014  | 0.249    | 0.099      |
| 11NG0013  | 0.249    | 0.099      |
| 11NG0012  | 0.249    | 0.099      |
| 11NG0011  | 0.249    | 0.099      |
| 11NG0010  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11NG0009  | 0.249    | 0.099      |
| 11NG0008  | 0.7      | 0.099      |
| 11NG0007  | 0.249    | 0.099      |
| 11NG0006  | 0.249    | 0.099      |
| 11NG0005  | 0.249    | 0.099      |
| 11NG0004  | 0.249    | 0.099      |
| 11NG0003  | 0.249    | 0.099      |
| 11NG0002  | 0.249    | 0.099      |
| 11NG0001  | 0.249    | 0.099      |
| 11MS0297  | 0.249    | 0.099      |
| 11MS0296  | 0.6      | 0.099      |
| 11MS0295  | 0.6      | 0.099      |
| 11MS0294  | 0.249    | 0.099      |
| 11MS0293  | 0.249    | 0.099      |
| 11MS0292  | 0.249    | 0.099      |
| 11MS0291  | 0.249    | 0.099      |
| 11MS0290  | 0.249    | 2.5        |
| 11MS0289  | 0.249    | 0.099      |
| 11MS0288  | 0.249    | 0.099      |
| 11MS0287  | 0.249    | 0.099      |
| 11MS0286  | 0.249    | 0.099      |
| 11MS0285  | 0.249    | 0.099      |
| 11MS0284  | 0.249    | 0.099      |
| 11MS0283  | 0.249    | 0.099      |
| 11MS0282  | 0.249    | 0.099      |
| 11MS0280  | 0.249    | 0.099      |
| 11MS0279  | 0.249    | 0.099      |
| 11MS0278  | 0.249    | 0.099      |
| 11MS0277  | 0.249    | 0.099      |
| 11MS0276  | 0.249    | 0.099      |
| 11MS0275  | 0.5      | 0.099      |
| 11MS0274  | 0.249    | 0.099      |
| 11MS0273  | 0.249    | 0.099      |
| 11MS0272  | 0.6      | 0.099      |
| 11MS0271  | 0.249    | 0.099      |
| 11MS0270  | 0.249    | 0.099      |
| 11MS0269  | 0.249    | 0.099      |
| 11MS0268  | 0.249    | 0.099      |
| 11MS0267  | 0.249    | 0.099      |
| 11MS0266  | 0.5      | 0.099      |
| 11MS0265  | 0.249    | 0.099      |
| 11MS0264  | 0.249    | 0.099      |
| 11MS0263  | 0.249    | 0.099      |
| 11MS0262  | 0.249    | 0.099      |
| 11MS0260  | 0.249    | 0.099      |
| 11MS0259  | 0.8      | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11MS0258  | 0.249    | 0.099      |
| 11MS0257  | 0.249    | 0.099      |
| 11MS0256  | 0.249    | 0.099      |
| 11MS0255  | 0.249    | 0.099      |
| 11MS0254  | 0.249    | 0.099      |
| 11MS0253  | 0.249    | 0.099      |
| 11MS0252  | 0.5      | 0.099      |
| 11MS0251  | 0.249    | 0.099      |
| 11MS0250  | 0.249    | 0.099      |
| 11MS0249  | 0.249    | 0.099      |
| 11MS0248  | 0.249    | 0.099      |
| 11MS0247  | 0.249    | 0.099      |
| 11MS0246  | 0.249    | 0.099      |
| 11MS0245  | 0.249    | 0.099      |
| 11MS0244  | 0.249    | 0.099      |
| 11MS0243  | 0.249    | 0.099      |
| 11MS0242  | 0.249    | 0.099      |
| 11MS0240  | 0.249    | 0.099      |
| 11MS0239  | 0.249    | 0.099      |
| 11MS0238  | 0.249    | 0.099      |
| 11MS0237  | 0.249    | 0.099      |
| 11MS0236  | 0.249    | 0.099      |
| 11MS0235  | 0.249    | 0.099      |
| 11MS0234  | 0.249    | 0.099      |
| 11MS0233  | 0.249    | 0.099      |
| 11MS0232  | 0.249    | 0.099      |
| 11MS0231  | 0.249    | 0.099      |
| 11MS0230  | 0.249    | 0.099      |
| 11MS0229  | 0.249    | 0.099      |
| 11MS0228  | 0.249    | 0.099      |
| 11MS0227  | 0.249    | 0.099      |
| 11MS0226  | 0.8      | 0.099      |
| 11MS0225  | 0.249    | 0.099      |
| 11MS0224  | 0.249    | 0.099      |
| 11MS0223  | 0.249    | 0.099      |
| 11MS0222  | 0.249    | 0.099      |
| 11MS0220  | 0.249    | 0.099      |
| 11MS0219  | 0.249    | 0.099      |
| 11MS0218  | 0.249    | 0.099      |
| 11MS0217  | 0.249    | 0.099      |
| 11MS0216  | 0.6      | 0.099      |
| 11MS0215  | 0.8      | 0.099      |
| 11MS0214  | 0.6      | 0.099      |
| 11MS0213  | 0.249    | 0.099      |
| 11MS0212  | 0.249    | 0.099      |
| 11MS0211  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11MS0210  | 0.249    | 0.099      |
| 11MS0209  | 0.249    | 0.099      |
| 11MS0208  | 0.9      | 0.099      |
| 11MS0207  | 0.6      | 0.099      |
| 11MS0206  | 0.6      | 0.099      |
| 11MS0205  | 1.4      | 0.099      |
| 11MS0204  | 0.6      | 0.099      |
| 11MS0203  | 0.249    | 0.099      |
| 11MS0202  | 0.6      | 0.099      |
| 11MS0200  | 0.249    | 0.099      |
| 11MS0199  | 0.6      | 0.099      |
| 11MS0197  | 0.8      | 0.099      |
| 11MS0196  | 0.7      | 0.099      |
| 11MS0195  | 0.5      | 0.099      |
| 11MS0194  | 0.249    | 0.099      |
| 11MS0193  | 0.249    | 0.099      |
| 11MS0192  | 0.5      | 0.099      |
| 11MS0191  | 0.5      | 0.099      |
| 11MS0190  | 0.249    | 0.099      |
| 11MS0189  | 0.5      | 0.099      |
| 11MS0188  | 4        | 0.099      |
| 11MS0187  | 2.5      | 0.2        |
| 11MS0186  | 0.9      | 0.099      |
| 11MS0185  | 0.249    | 0.099      |
| 11MS0184  | 1.2      | 0.099      |
| 11MS0183  | 0.5      | 0.099      |
| 11MS0182  | 1        | 0.099      |
| 11MS0180  | 0.5      | 0.099      |
| 11MS0179  | 0.249    | 0.099      |
| 11MS0178  | 0.249    | 0.099      |
| 11MS0177  | 0.249    | 0.099      |
| 11MS0176  | 0.5      | 0.099      |
| 11MS0175  | 0.249    | 0.099      |
| 11MS0174  | 0.249    | 0.099      |
| 11MS0173  | 0.8      | 0.099      |
| 11MS0172  | 0.7      | 0.099      |
| 11MS0171  | 0.9      | 0.099      |
| 11MS0170  | 0.8      | 0.099      |
| 11MS0169  | 1        | 0.099      |
| 11MS0168  | 1.2      | 0.099      |
| 11MS0167  | 1.4      | 0.099      |
| 11MS0166  | 1.4      | 0.099      |
| 11MS0165  | 1.1      | 0.099      |
| 11MS0164  | 1        | 0.099      |
| 11MS0163  | 1.7      | 0.099      |
| 11MS0162  | 1        | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11MS0160  | 1.3      | 0.099      |
| 11MS0159  | 1.8      | 0.099      |
| 11MS0158  | 1.1      | 0.099      |
| 11MS0157  | 0.9      | 0.099      |
| 11MS0156  | 1.6      | 0.099      |
| 11MS0155  | 1.6      | 0.099      |
| 11MS0154  | 2.2      | 0.099      |
| 11MS0153  | 1.3      | 0.099      |
| 11MS0152  | 0.7      | 0.099      |
| 11MS0151  | 1.1      | 0.099      |
| 11MS0150  | 0.8      | 0.099      |
| 11MS0149  | 0.249    | 0.099      |
| 11MS0148  | 0.7      | 0.099      |
| 11MS0147  | 0.249    | 0.099      |
| 11MS0146  | 0.249    | 0.099      |
| 11MS0145  | 0.249    | 0.099      |
| 11MS0144  | 0.249    | 0.099      |
| 11MS0143  | 0.249    | 0.099      |
| 11MS0142  | 0.249    | 0.099      |
| 11MS0141  | 0.249    | 0.099      |
| 11MS0140  | 0.249    | 0.099      |
| 11MS0139  | 0.8      | 0.099      |
| 11MS0138  | 1        | 0.099      |
| 11MS0137  | 0.7      | 0.099      |
| 11MS0136  | 0.249    | 0.099      |
| 11MS0135  | 0.8      | 0.099      |
| 11MS0134  | 0.7      | 0.099      |
| 11MS0133  | 0.5      | 0.099      |
| 11MS0132  | 0.249    | 0.099      |
| 11MS0131  | 0.8      | 0.099      |
| 11MS0129  | 0.249    | 0.099      |
| 11MS0128  | 0.249    | 0.099      |
| 11MS0127  | 0.7      | 0.099      |
| 11MS0126  | 0.249    | 0.099      |
| 11MS0125  | 0.8      | 0.099      |
| 11MS0124  | 0.5      | 0.099      |
| 11MS0123  | 1.1      | 0.6        |
| 11MS0122  | 1        | 0.5        |
| 11MS0121  | 0.9      | 0.099      |
| 11MS0120  | 0.6      | 0.099      |
| 11MS0119  | 0.5      | 0.099      |
| 11MS0118  | 0.249    | 0.099      |
| 11MS0117  | 0.9      | 0.099      |
| 11MS0116  | 0.7      | 0.099      |
| 11MS0115  | 1        | 0.7        |
| 11MS0114  | 3.1      | 2.7        |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11MS0113  | 2.7      | 2.6        |
| 11MS0112  | 2        | 1.1        |
| 11MS0111  | 1.6      | 0.4        |
| 11MS0110  | 1.7      | 0.2        |
| 11MS0109  | 0.5      | 0.099      |
| 11MS0108  | 0.249    | 0.099      |
| 11MS0107  | 0.8      | 0.099      |
| 11MS0106  | 0.249    | 0.099      |
| 11MS0105  | 0.249    | 0.099      |
| 11MS0104  | 0.249    | 0.099      |
| 11MS0103  | 0.249    | 0.099      |
| 11MS0102  | -100     | -100       |
| 11MS0101  | 0.249    | 0.099      |
| 11MS0100  | 0.5      | 0.099      |
| 11MS0099  | 0.249    | 0.099      |
| 11MS0098  | 0.249    | 0.099      |
| 11MS0097  | 0.249    | 0.099      |
| 11MS0096  | 0.249    | 0.099      |
| 11MS0095  | 0.249    | 0.099      |
| 11MS0094  | 0.249    | 0.099      |
| 11MS0093  | 0.249    | 0.099      |
| 11MS0092  | 0.249    | 0.099      |
| 11MS0091  | 0.249    | 0.099      |
| 11MS0090  | 0.249    | 0.099      |
| 11MS0089  | 0.249    | 0.099      |
| 11MS0088  | 0.249    | 0.099      |
| 11MS0087  | 0.249    | 0.099      |
| 11MS0086  | 0.249    | 0.099      |
| 11MS0085  | 0.249    | 0.099      |
| 11MS0084  | 0.249    | 0.099      |
| 11MS0083  | 0.249    | 0.099      |
| 11MS0082  | 0.249    | 0.099      |
| 11MS0081  | 0.249    | 0.099      |
| 11MS0080  | 0.249    | 0.099      |
| 11MS0079  | 0.249    | 0.099      |
| 11MS0078  | 0.249    | 0.099      |
| 11MS0077  | 0.249    | 0.099      |
| 11MS0076  | 0.249    | 0.099      |
| 11MS0075  | 0.249    | 0.099      |
| 11MS0074  | 0.249    | 0.099      |
| 11MS0073  | 0.249    | 0.099      |
| 11MS0072  | 0.249    | 0.099      |
| 11MS0071  | 0.8      | 0.099      |
| 11MS0070  | 0.6      | 0.099      |
| 11MS0069  | 0.249    | 0.099      |
| 11MS0068  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11MS0067  | 0.249    | 0.099      |
| 11MS0066  | 0.249    | 0.099      |
| 11MS0065  | 0.249    | 0.099      |
| 11MS0064  | 0.249    | 0.099      |
| 11MS0063  | 0.6      | 0.099      |
| 11MS0062  | 1.1      | 0.099      |
| 11MS0061  | 0.249    | 0.099      |
| 11MS0060  | 0.249    | 0.099      |
| 11MS0059  | 0.249    | 0.099      |
| 11MS0058  | 0.249    | 0.099      |
| 11MS0057  | 0.249    | 0.099      |
| 11MS0056  | 0.249    | 0.099      |
| 11MS0055  | 0.249    | 0.099      |
| 11MS0054  | 0.8      | 0.099      |
| 11MS0053  | 2.4      | 0.4        |
| 11MS0052  | 1.9      | 0.9        |
| 11MS0051  | 1.8      | 0.6        |
| 11MS0050  | 1.5      | 0.9        |
| 11MS0049  | 7        | 8.5        |
| 11MS0048  | 2.3      | 3          |
| 11MS0047  | 0.249    | 0.3        |
| 11MS0046  | 0.249    | 0.099      |
| 11MS0045  | 0.6      | 0.099      |
| 11MS0044  | 0.7      | 0.099      |
| 11MS0043  | 0.7      | 0.2        |
| 11MS0042  | 0.8      | 0.3        |
| 11MS0041  | 0.249    | 0.099      |
| 11MS0040  | 0.249    | 0.099      |
| 11MS0039  | 0.249    | 0.099      |
| 11MS0038  | 0.249    | 0.099      |
| 11MS0037  | 0.249    | 0.099      |
| 11MS0036  | 0.6      | 0.099      |
| 11MS0035  | 0.249    | 0.099      |
| 11MS0034  | 0.6      | 0.099      |
| 11MS0033  | 0.249    | 0.099      |
| 11MS0032  | 0.249    | 0.099      |
| 11MS0031  | 0.6      | 0.099      |
| 11MS0030  | 0.7      | 0.099      |
| 11MS0029  | 0.249    | 0.099      |
| 11MS0028  | 0.7      | 0.099      |
| 11MS0027  | 0.6      | 0.099      |
| 11MS0026  | 0.6      | 0.099      |
| 11MS0025  | 0.249    | 0.099      |
| 11MS0024  | 0.249    | 0.099      |
| 11MS0023  | 0.249    | 0.099      |
| 11MS0022  | 0.5      | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11MS0021  | 0.249    | 0.099      |
| 11MS0020  | 0.249    | 0.099      |
| 11MS0019  | 0.7      | 0.099      |
| 11MS0018  | 0.249    | 0.099      |
| 11MS0017  | 0.5      | 0.099      |
| 11MS0016  | 0.6      | 0.099      |
| 11MS0015  | 0.6      | 0.099      |
| 11MS0014  | 0.249    | 0.099      |
| 11MS0013  | 0.249    | 0.099      |
| 11MS0012  | 0.249    | 0.099      |
| 11MS0011  | 0.249    | 0.099      |
| 11MS0010  | 0.249    | 0.099      |
| 11MS0009  | 0.249    | 0.099      |
| 11MS0008  | 0.249    | 0.5        |
| 11MS0007  | 0.249    | 0.5        |
| 11MS0006  | 0.5      | 4.6        |
| 11MS0005  | 0.249    | 0.099      |
| 11MS0004  | 0.249    | 0.099      |
| 11MS0003  | 0.249    | 0.099      |
| 11MS0002  | 0.5      | 0.099      |
| 11MS0001  | 0.7      | 0.099      |
| 11KJ0446  | 0.249    | 0.099      |
| 11KJ0445  | 0.249    | 0.099      |
| 11KJ0444  | 0.249    | 0.099      |
| 11KJ0443  | 0.249    | 0.099      |
| 11KJ0442  | 0.249    | 0.099      |
| 11KJ0441  | 0.7      | 0.099      |
| 11KJ0440  | 0.249    | 0.099      |
| 11KJ0439  | 0.249    | 0.099      |
| 11KJ0438  | 0.249    | 0.099      |
| 11KJ0437  | 0.249    | 0.099      |
| 11KJ0436  | 0.8      | 0.099      |
| 11KJ0435  | 0.249    | 0.099      |
| 11KJ0434  | 0.5      | 0.099      |
| 11KJ0433  | 0.249    | 0.099      |
| 11KJ0432  | 0.249    | 0.099      |
| 11KJ0431  | 0.249    | 0.099      |
| 11KJ0430  | 0.249    | 0.099      |
| 11KJ0429  | 0.249    | 0.099      |
| 11KJ0428  | 0.249    | 0.099      |
| 11KJ0427  | 0.249    | 0.099      |
| 11KJ0426  | 0.249    | 0.099      |
| 11KJ0425  | 0.249    | 0.099      |
| 11KJ0424  | 0.5      | 0.099      |
| 11KJ0423  | 0.5      | 0.099      |
| 11KJ0422  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11KJ0419  | 0.249    | 0.099      |
| 11KJ0418  | 0.249    | 0.099      |
| 11KJ0417  | 0.249    | 0.099      |
| 11KJ0416  | 0.249    | 0.099      |
| 11KJ0415  | 0.249    | 0.099      |
| 11KJ0414  | 0.249    | 0.3        |
| 11KJ0413  | 0.249    | 0.099      |
| 11KJ0412  | 0.249    | 0.099      |
| 11KJ0410  | 0.249    | 0.099      |
| 11KJ0409  | 0.249    | 0.099      |
| 11KJ0408  | 0.249    | 0.099      |
| 11KJ0407  | 0.249    | 0.099      |
| 11KJ0406  | 0.249    | 0.099      |
| 11KJ0405  | 0.249    | 0.099      |
| 11KJ0404  | 0.249    | 0.099      |
| 11KJ0403  | 0.249    | 0.2        |
| 11KJ0402  | 0.249    | 0.099      |
| 11KJ0401  | 0.249    | 0.099      |
| 11KJ0400  | 0.249    | 0.099      |
| 11KJ0329  | 0.249    | 0.099      |
| 11KJ0328  | 0.249    | 0.099      |
| 11KJ0327  | 0.249    | 0.099      |
| 11KJ0326  | 0.249    | 0.099      |
| 11KJ0325  | 0.6      | 0.4        |
| 11KJ0324  | 0.249    | 1.6        |
| 11KJ0323  | 0.249    | 0.2        |
| 11KJ0322  | 0.249    | 0.099      |
| 11KJ0321  | 0.249    | 0.099      |
| 11KJ0320  | 0.249    | 0.099      |
| 11KJ0319  | 0.249    | 0.099      |
| 11KJ0318  | 0.249    | 0.099      |
| 11KJ0317  | 0.249    | 0.099      |
| 11KJ0316  | 0.249    | 0.099      |
| 11KJ0315  | 0.249    | 0.099      |
| 11KJ0313  | 0.249    | 0.099      |
| 11KJ0311  | 0.249    | 0.099      |
| 11KJ0305  | 0.249    | 0.099      |
| 11KJ0303  | 0.249    | 3.3        |
| 11KJ0300  | 0.249    | 0.099      |
| 11KJ0299  | 0.249    | 0.099      |
| 11KJ0298  | 0.249    | 0.2        |
| 11KJ0297  | 0.249    | 0.3        |
| 11KJ0296  | 0.249    | 0.099      |
| 11KJ0295  | 0.249    | 0.099      |
| 11KJ0294  | 0.249    | 0.099      |
| 11KJ0293  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11KJ0291  | 0.6      | 0.099      |
| 11KJ0284  | 0.5      | 0.099      |
| 11KJ0283  | 0.249    | 0.099      |
| 11KJ0282  | 0.249    | 0.099      |
| 11KJ0280  | 0.249    | 0.099      |
| 11KJ0279  | 0.5      | 0.099      |
| 11KJ0278  | 0.249    | 0.099      |
| 11KJ0277  | 0.6      | 0.099      |
| 11KJ0274  | 0.249    | 0.099      |
| 11KJ0272  | 0.249    | 0.099      |
| 11KJ0271  | 0.249    | 0.099      |
| 11KJ0270  | 0.249    | 0.099      |
| 11KJ0269  | 0.249    | 0.099      |
| 11KJ0268  | 0.249    | 0.099      |
| 11KJ0267  | 0.249    | 0.099      |
| 11KJ0266  | 0.7      | 0.099      |
| 11KJ0264  | 0.249    | 0.099      |
| 11KJ0259  | 0.249    | 0.099      |
| 11KJ0258  | 0.249    | 0.099      |
| 11KJ0256  | 0.249    | 0.099      |
| 11KJ0255  | 0.7      | 0.099      |
| 11KJ0254  | 0.249    | 0.3        |
| 11KJ0252  | 0.249    | 0.099      |
| 11KJ0251  | 0.6      | 0.099      |
| 11KJ0250  | 0.249    | 0.099      |
| 11KJ0249  | 0.6      | 0.099      |
| 11KJ0248  | 0.6      | 0.099      |
| 11KJ0247  | 0.6      | 0.099      |
| 11KJ0246  | 0.249    | 0.3        |
| 11KJ0245  | 0.249    | 0.099      |
| 11KJ0243  | 0.249    | 0.099      |
| 11KJ0236  | 0.6      | 0.099      |
| 11KJ0235  | 0.249    | 0.099      |
| 11KJ0234  | 0.249    | 0.099      |
| 11KJ0233  | 0.7      | 0.099      |
| 11KJ0232  | 0.7      | 0.099      |
| 11KJ0231  | 0.249    | 0.099      |
| 11KJ0230  | 1.1      | 0.099      |
| 11KJ0229  | 0.6      | 0.099      |
| 11KJ0228  | 0.249    | 0.099      |
| 11KJ0227  | 0.6      | 0.099      |
| 11KJ0226  | 0.6      | 0.099      |
| 11KJ0218  | 0.249    | 0.099      |
| 11KJ0217  | 0.249    | 0.099      |
| 11KJ0216  | 0.249    | 0.099      |
| 11KJ0215  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11KJ0214  | 0.249    | 0.099      |
| 11KJ0213  | 0.249    | 0.099      |
| 11KJ0212  | 0.249    | 0.099      |
| 11KJ0211  | 0.249    | 0.099      |
| 11KJ0210  | 0.249    | 0.099      |
| 11KJ0209  | 0.249    | 0.099      |
| 11KJ0208  | 0.249    | 0.099      |
| 11KJ0207  | 0.249    | 0.099      |
| 11KJ0206  | 0.9      | 0.099      |
| 11KJ0205  | 0.249    | 0.099      |
| 11KJ0204  | 0.249    | 0.099      |
| 11KJ0203  | 0.249    | 0.099      |
| 11KJ0202  | 0.249    | 0.099      |
| 11KJ0201  | 0.249    | 0.099      |
| 11KJ0200  | 0.249    | 0.099      |
| 11KJ0199  | 0.249    | 0.099      |
| 11KJ0198  | 0.249    | 0.099      |
| 11KJ0197  | 0.249    | 0.099      |
| 11KJ0196  | 0.249    | 0.099      |
| 11KJ0195  | 0.249    | 0.099      |
| 11KJ0194  | 0.249    | 0.099      |
| 11KJ0193  | 0.249    | 0.099      |
| 11KJ0192  | 0.249    | 0.099      |
| 11KJ0191  | 0.249    | 0.099      |
| 11KJ0190  | 0.249    | 0.099      |
| 11JM0706  | 0.249    | 0.099      |
| 11JM0705  | 0.249    | 0.099      |
| 11JM0704  | 0.249    | 0.099      |
| 11JM0703  | 0.249    | 0.099      |
| 11JM0702  | 0.249    | 0.099      |
| 11JM0701  | 0.249    | 0.099      |
| 11JM0700  | 0.249    | 0.099      |
| 11JM0699  | 0.249    | 0.099      |
| 11JM0698  | 0.249    | 0.099      |
| 11JM0697  | 0.249    | 0.099      |
| 11JM0696  | 0.249    | 0.099      |
| 11JM0695  | 0.249    | 0.099      |
| 11JM0694  | 0.249    | 0.099      |
| 11JM0693  | 0.249    | 0.099      |
| 11JM0692  | 0.249    | 0.099      |
| 11JM0691  | 0.249    | 0.099      |
| 11JM0690  | 0.249    | 0.099      |
| 11JM0689  | 0.249    | 0.099      |
| 11JM0688  | 0.249    | 0.099      |
| 11JM0687  | 0.249    | 0.099      |
| 11JM0686  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11JM0685  | 0.249    | 0.099      |
| 11JM0684  | 0.249    | 0.099      |
| 11JM0683  | 0.249    | 0.099      |
| 11JM0682  | 0.249    | 0.099      |
| 11JM0681  | 0.6      | 0.099      |
| 11JM0679  | 0.249    | 0.099      |
| 11JM0678  | 0.249    | 0.099      |
| 11JM0671  | 0.249    | 0.099      |
| 11JM0670  | 0.249    | 0.099      |
| 11JM0669  | 0.249    | 0.099      |
| 11JM0668  | 0.249    | 0.3        |
| 11JM0667  | 0.249    | 0.099      |
| 11JM0666  | 0.249    | 0.099      |
| 11JM0665  | 0.249    | 0.099      |
| 11JM0664  | 0.249    | 0.099      |
| 11JM0663  | 0.249    | 0.099      |
| 11JM0662  | 0.249    | 0.099      |
| 11JM0661  | 0.249    | 0.099      |
| 11JM0660  | 0.249    | 0.099      |
| 11JM0659  | 0.249    | 0.099      |
| 11JM0658  | 0.249    | 0.099      |
| 11JM0657  | 0.249    | 0.099      |
| 11JM0581  | 0.6      | 0.099      |
| 11JM0580  | 1.3      | 0.4        |
| 11JM0579  | 0.5      | 0.099      |
| 11JM0578  | 0.8      | 0.099      |
| 11JM0577  | 0.6      | 0.099      |
| 11JM0576  | 0.6      | 0.099      |
| 11JM0575  | 0.249    | 0.099      |
| 11JM0574  | 0.249    | 0.099      |
| 11JM0573  | 0.249    | 0.099      |
| 11JM0572  | 0.6      | 0.099      |
| 11JM0571  | 0.249    | 0.099      |
| 11JM0570  | 0.249    | 0.099      |
| 11JM0569  | 0.249    | 0.099      |
| 11JM0568  | 0.249    | 0.099      |
| 11JM0567  | 0.249    | 0.099      |
| 11JM0565  | 0.6      | 0.099      |
| 11JM0564  | 0.249    | 0.099      |
| 11JM0563  | 0.249    | 0.099      |
| 11JM0562  | 0.9      | 0.099      |
| 11JM0561  | 0.8      | 0.099      |
| 11JM0560  | 0.249    | 0.099      |
| 11JM0559  | 0.7      | 0.099      |
| 11JM0558  | 0.249    | 0.099      |
| 11JM0557  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11JM0556  | 0.249    | 0.099      |
| 11JM0555  | 0.249    | 0.099      |
| 11JM0554  | 0.8      | 0.099      |
| 11JM0553  | 0.9      | 0.099      |
| 11JM0552  | 0.249    | 0.099      |
| 11JM0551  | 1        | 0.099      |
| 11JM0550  | 0.249    | 0.099      |
| 11JM0549  | 0.5      | 0.2        |
| 11JM0548  | 0.6      | 0.099      |
| 11JM0547  | 1.3      | 0.6        |
| 11JM0546  | 0.6      | 1.8        |
| 11JM0544  | 0.249    | 0.3        |
| 11JM0543  | 0.249    | 0.099      |
| 11JM0542  | 0.249    | 0.099      |
| 11JM0541  | 0.7      | 0.099      |
| 11JM0540  | 0.9      | 0.099      |
| 11JM0539  | 0.249    | 0.099      |
| 11JM0538  | 0.249    | 0.099      |
| 11JM0537  | 0.249    | 0.099      |
| 11JM0536  | 0.249    | 0.099      |
| 11JM0535  | 0.249    | 0.099      |
| 11JM0534  | 0.8      | 0.099      |
| 11JM0533  | 0.249    | 0.099      |
| 11JM0532  | 0.249    | 0.099      |
| 11JM0531  | 0.249    | 0.099      |
| 11JM0530  | 0.249    | 0.6        |
| 11JM0529  | 0.249    | 0.099      |
| 11JM0528  | 0.249    | 0.099      |
| 11JM0527  | 0.5      | 0.099      |
| 11JM0526  | 0.249    | 0.099      |
| 11JM0525  | 0.6      | 0.099      |
| 11JM0523  | 0.249    | 0.2        |
| 11JM0522  | 0.249    | 0.099      |
| 11JM0521  | 0.6      | 0.099      |
| 11JM0520  | 0.249    | 0.099      |
| 11JM0519  | 0.249    | 0.2        |
| 11JM0518  | 0.7      | 0.099      |
| 11JM0517  | 0.7      | 0.4        |
| 11JM0516  | 0.249    | 0.099      |
| 11JM0515  | 0.249    | 0.099      |
| 11JM0514  | 0.7      | 0.099      |
| 11JM0513  | 0.249    | 0.099      |
| 11JM0512  | 1        | 0.5        |
| 11JM0511  | 0.249    | 0.099      |
| 11JM0510  | 0.249    | 0.099      |
| 11JM0509  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11JM0508  | 0.249    | 0.3        |
| 11JM0507  | 0.249    | 0.099      |
| 11JM0505  | 1        | 0.099      |
| 11JM0504  | 0.6      | 0.099      |
| 11JM0503  | 0.8      | 0.5        |
| 11JM0502  | 0.6      | 0.099      |
| 11JM0501  | 0.249    | 0.099      |
| 11JM0500  | 0.8      | 0.099      |
| 11JM0499  | 0.249    | 0.099      |
| 11JM0498  | 0.249    | 0.099      |
| 11JM0497  | 0.249    | 0.099      |
| 11JM0496  | 0.249    | 0.3        |
| 11JM0495  | 0.249    | 0.2        |
| 11JM0494  | 0.249    | 0.7        |
| 11JM0493  | 0.249    | 0.099      |
| 11JM0492  | 0.249    | 0.099      |
| 11JM0485  | 0.249    | 0.099      |
| 11JM0484  | 0.249    | 0.099      |
| 11JM0483  | 0.249    | 0.099      |
| 11JM0482  | 0.249    | 0.099      |
| 11JM0481  | 0.249    | 0.099      |
| 11JM0480  | 0.249    | 0.3        |
| 11JM0479  | 0.5      | 0.099      |
| 11JM0478  | 0.5      | 0.099      |
| 11JM0477  | 0.249    | 0.2        |
| 11JM0476  | 0.249    | 0.099      |
| 11JM0475  | 0.249    | 0.099      |
| 11JM0474  | 0.249    | 0.099      |
| 11JM0473  | 0.249    | 0.3        |
| 11JM0472  | 0.249    | 0.099      |
| 11JM0470  | 0.249    | 0.099      |
| 11JM0469  | 0.6      | 0.099      |
| 11JM0467  | 0.249    | 0.3        |
| 11JM0466  | 0.249    | 0.4        |
| 11JM0464  | 0.6      | 0.099      |
| 11JM0463  | 0.249    | 0.099      |
| 11JM0462  | 0.249    | 0.099      |
| 11JM0461  | 0.6      | 0.099      |
| 11JM0460  | 0.5      | 0.099      |
| 11JM0458  | 0.249    | 0.099      |
| 11JM0457  | 0.249    | 0.099      |
| 11JM0456  | 0.249    | 0.3        |
| 11JM0455  | 0.249    | 0.099      |
| 11JM0454  | 0.249    | 0.099      |
| 11JM0453  | 0.249    | 0.099      |
| 11JM0452  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11JM0451  | 0.249    | 0.099      |
| 11JM0450  | 0.249    | 0.099      |
| 11JM0449  | 0.249    | 0.099      |
| 11JM0448  | 0.249    | 0.099      |
| 11JM0447  | 0.249    | 0.099      |
| 11JM0446  | 1        | 0.099      |
| 11JM0445  | 0.6      | 0.099      |
| 11JM0444  | 0.6      | 0.099      |
| 11JM0443  | 0.7      | 0.099      |
| 11JM0442  | 0.249    | 0.099      |
| 11JM0441  | 0.6      | 0.099      |
| 11JM0440  | 0.249    | 0.099      |
| 11JM0270  | 0.249    | 0.099      |
| 11JM0269  | 0.249    | 0.099      |
| 11JM0268  | 0.7      | 1.8        |
| 11JM0267  | 0.249    | 0.4        |
| 11JM0266  | 0.249    | 0.3        |
| 11JM0265  | 0.9      | 3.4        |
| 11JM0264  | 1.1      | 1.8        |
| 11JM0263  | 0.249    | 0.9        |
| 11JM0262  | 0.249    | 0.099      |
| 11JM0261  | 0.249    | 0.099      |
| 11JM0260  | 0.249    | 0.099      |
| 11JM0259  | 0.249    | 0.099      |
| 11JM0258  | 0.5      | 0.099      |
| 11JM0257  | 0.6      | 2          |
| 11JM0256  | 0.249    | 0.2        |
| 11JM0255  | 0.249    | 0.2        |
| 11JM0254  | 0.249    | 0.099      |
| 11JM0253  | 0.249    | 0.099      |
| 11JM0252  | 0.9      | 0.6        |
| 11JM0251  | 0.249    | 0.2        |
| 11JM0250  | 0.249    | 0.099      |
| 11JM0249  | 0.249    | 0.099      |
| 11JM0248  | 1.5      | 0.099      |
| 11JM0247  | 0.5      | 0.099      |
| 11JM0246  | 0.9      | 0.099      |
| 11JM0245  | 2.5      | 2.7        |
| 11JM0244  | 3        | 12.4       |
| 11JM0243  | 3        | 5.4        |
| 11JM0242  | 1.4      | 3.6        |
| 11JM0241  | 2        | 6.3        |
| 11JM0240  | 1.7      | 3.7        |
| 11JM0239  | 6.5      | 8.5        |
| 11JM0238  | 3        | 4.1        |
| 11JM0237  | 10.4     | 4.7        |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11JM0236  | 17.3     | 17.7       |
| 11JM0235  | 6.7      | 9.6        |
| 11JM0234  | 0.249    | 0.2        |
| 11JM0233  | 2.3      | 7.5        |
| 11JM0232  | 2.4      | 0.6        |
| 11JM0231  | 2        | 2.9        |
| 11JM0230  | 4.9      | 12.5       |
| 11JM0229  | 4.5      | 8.5        |
| 11JM0228  | 5.2      | 11.4       |
| 11JM0227  | 7.4      | 12.2       |
| 11JM0226  | 5.2      | 10         |
| 11JM0225  | 5.2      | 13         |
| 11JM0224  | 4        | 10.2       |
| 11JM0223  | 0.7      | 0.2        |
| 11JM0222  | 0.249    | 0.6        |
| 11JM0221  | 0.249    | 0.099      |
| 11JM0220  | 0.6      | 0.3        |
| 11JM0219  | 1.6      | 0.6        |
| 11JM0218  | 1.4      | 1.9        |
| 11JM0217  | 1.9      | 3.2        |
| 11JM0215  | 3.5      | 1.7        |
| 11JM0214  | 4.8      | 2.3        |
| 11JM0213  | 3.5      | 3          |
| 11JM0212  | 2.9      | 1.6        |
| 11JM0211  | 0.8      | 0.7        |
| 11JM0210  | 2.8      | 6          |
| 11JM0209  | 2.1      | 11.3       |
| 11JM0208  | 0.6      | 0.099      |
| 11JM0207  | 0.9      | 0.099      |
| 11JM0206  | 1.2      | 0.4        |
| 11JM0205  | 4.9      | 1.3        |
| 11JM0204  | 3.5      | 1          |
| 11JM0203  | 2.4      | 0.3        |
| 11JM0202  | 1.1      | 0.099      |
| 11JM0200  | 0.5      | 0.099      |
| 11JM0199  | 0.9      | 0.099      |
| 11GR0052  | 0.249    | 0.099      |
| 11GR0050  | 0.249    | 0.099      |
| 11GR0048  | 0.249    | 0.099      |
| 11GR0047  | 0.249    | 0.099      |
| 11GR0046  | 0.249    | 0.099      |
| 11GR0044  | 0.249    | 0.099      |
| 11GR0041  | 0.249    | 0.099      |
| 11GR0040  | 0.6      | 0.099      |
| 11GR0038  | 0.249    | 0.099      |
| 11GR0035  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11GR0029  | 0.249    | 0.099      |
| 11GR0028  | 0.249    | 0.099      |
| 11GR0027  | 0.249    | 0.099      |
| 11GR0026  | 0.249    | 0.099      |
| 11GR0025  | 0.249    | 0.099      |
| 11GR0024  | 0.249    | 0.099      |
| 11GR0023  | 0.249    | 0.3        |
| 11GR0022  | 0.249    | 0.3        |
| 11GR0021  | 0.249    | 0.099      |
| 11GR0020  | 0.249    | 0.099      |
| 11GR0019  | 0.249    | 0.099      |
| 11GR0009  | 0.249    | 0.099      |
| 11GR0008  | 0.249    | 0.099      |
| 11GR0004  | 0.249    | 0.099      |
| 11GR0003  | 0.249    | 0.099      |
| 11DS1260  | 0.249    | 0.099      |
| 11DS1259  | 0.249    | 0.099      |
| 11DS1258  | 0.249    | 0.099      |
| 11DS1257  | 0.249    | 0.099      |
| 11DS1256  | 0.249    | 0.099      |
| 11DS1255  | 0.5      | 0.099      |
| 11DS1254  | 0.249    | 0.099      |
| 11DS1253  | 0.249    | 0.099      |
| 11DS1252  | 0.249    | 0.099      |
| 11DS1251  | 0.249    | 0.099      |
| 11DS1250  | 0.249    | 0.099      |
| 11DS1249  | 0.249    | 0.099      |
| 11DS1248  | 0.249    | 0.099      |
| 11DS1247  | 0.249    | 0.099      |
| 11DS1246  | 0.5      | 0.099      |
| 11DS1245  | 0.249    | 0.099      |
| 11DS1244  | 0.249    | 0.099      |
| 11DS1243  | 0.249    | 0.099      |
| 11DS1242  | 0.249    | 0.099      |
| 11DS1240  | 0.249    | 0.099      |
| 11DS1239  | -100     | -100       |
| 11DS1238  | 0.249    | 0.099      |
| 11DS1237  | 0.249    | 0.099      |
| 11DS1236  | 0.249    | 0.099      |
| 11DS1235  | 0.249    | 0.099      |
| 11DS1234  | 0.249    | 0.099      |
| 11DS1233  | -100     | -100       |
| 11DS1232  | 0.249    | 0.099      |
| 11DS1231  | 0.249    | 0.099      |
| 11DS1230  | 0.249    | 0.099      |
| 11DS1229  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS1228  | 0.249    | 0.099      |
| 11DS1227  | 0.249    | 0.099      |
| 11DS1226  | 0.249    | 0.099      |
| 11DS1225  | 0.249    | 0.099      |
| 11DS1224  | 0.249    | 0.099      |
| 11DS1223  | 0.249    | 0.099      |
| 11DS1222  | 0.249    | 0.099      |
| 11DS1220  | 0.249    | 0.099      |
| 11DS1219  | 0.249    | 0.099      |
| 11DS1218  | 0.249    | 0.099      |
| 11DS1217  | 0.249    | 0.099      |
| 11DS1216  | 0.249    | 0.099      |
| 11DS1215  | 0.249    | 0.099      |
| 11DS1214  | 0.249    | 0.099      |
| 11DS1213  | 0.249    | 0.099      |
| 11DS1212  | 0.249    | 0.099      |
| 11DS1211  | 0.249    | 0.099      |
| 11DS1210  | 0.249    | 0.099      |
| 11DS1209  | 0.249    | 0.099      |
| 11DS1208  | 0.249    | 0.099      |
| 11DS1207  | 0.249    | 0.099      |
| 11DS1206  | 0.249    | 0.099      |
| 11DS1205  | 0.249    | 0.099      |
| 11DS1204  | 0.6      | 0.099      |
| 11DS1203  | 0.249    | 0.099      |
| 11DS1202  | 0.249    | 0.099      |
| 11DS1200  | 0.6      | 0.099      |
| 11DS1199  | 0.249    | 0.099      |
| 11DS1198  | 0.8      | 0.099      |
| 11DS1197  | 0.249    | 0.099      |
| 11DS1196  | 1        | 0.099      |
| 11DS1195  | 0.6      | 0.099      |
| 11DS1194  | 0.249    | 0.099      |
| 11DS1193  | 0.5      | 0.099      |
| 11DS1192  | 0.249    | 0.099      |
| 11DS1191  | 0.249    | 0.099      |
| 11DS1190  | 0.249    | 0.099      |
| 11DS1189  | 0.249    | 0.099      |
| 11DS1188  | 0.249    | 0.099      |
| 11DS1187  | 0.249    | 0.099      |
| 11DS1186  | 0.6      | 0.099      |
| 11DS1184  | 0.249    | 0.099      |
| 11DS1183  | 0.249    | 0.099      |
| 11DS1182  | 0.7      | 0.099      |
| 11DS1180  | 0.249    | 0.099      |
| 11DS1179  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS1178  | 0.7      | 0.099      |
| 11DS1177  | 0.249    | 0.099      |
| 11DS1176  | 0.249    | 0.099      |
| 11DS1175  | 0.249    | 0.099      |
| 11DS1174  | 0.249    | 0.099      |
| 11DS1173  | 0.249    | 0.099      |
| 11DS1172  | 0.249    | 0.099      |
| 11DS1171  | 0.249    | 0.099      |
| 11DS1170  | 0.249    | 0.099      |
| 11DS1169  | 0.249    | 0.099      |
| 11DS1168  | 0.249    | 0.099      |
| 11DS0714  | 0.249    | 0.099      |
| 11DS0713  | 0.249    | 0.099      |
| 11DS0712  | 0.249    | 0.099      |
| 11DS0711  | 0.249    | 0.099      |
| 11DS0710  | 0.249    | 0.099      |
| 11DS0709  | 0.9      | 0.099      |
| 11DS0708  | 0.249    | 0.099      |
| 11DS0707  | 0.6      | 0.099      |
| 11DS0706  | 0.249    | 0.099      |
| 11DS0705  | 0.249    | 0.099      |
| 11DS0704  | 0.249    | 0.099      |
| 11DS0703  | 0.249    | 0.099      |
| 11DS0702  | 0.249    | 0.099      |
| 11DS0700  | 0.249    | 0.099      |
| 11DS0699  | 0.249    | 0.099      |
| 11DS0698  | 0.249    | 0.099      |
| 11DS0697  | 0.6      | 0.099      |
| 11DS0696  | 0.249    | 0.099      |
| 11DS0695  | 0.5      | 0.099      |
| 11DS0694  | 0.249    | 0.099      |
| 11DS0693  | 0.249    | 0.099      |
| 11DS0692  | 0.249    | 0.099      |
| 11DS0691  | 0.5      | 0.099      |
| 11DS0690  | 0.5      | 0.099      |
| 11DS0689  | 0.249    | 0.099      |
| 11DS0688  | 0.249    | 0.099      |
| 11DS0687  | 0.249    | 0.099      |
| 11DS0686  | 0.7      | 0.099      |
| 11DS0685  | 0.249    | 0.099      |
| 11DS0684  | 0.249    | 0.099      |
| 11DS0683  | 0.249    | 0.099      |
| 11DS0682  | 0.6      | 0.099      |
| 11DS0680  | 0.6      | 0.099      |
| 11DS0679  | 0.249    | 0.099      |
| 11DS0678  | 0.7      | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0677  | 0.249    | 0.099      |
| 11DS0676  | 0.249    | 0.099      |
| 11DS0675  | 0.6      | 0.099      |
| 11DS0674  | 0.249    | 0.099      |
| 11DS0673  | 0.249    | 0.099      |
| 11DS0672  | 0.249    | 0.5        |
| 11DS0671  | 0.5      | 0.099      |
| 11DS0670  | 0.249    | 0.099      |
| 11DS0669  | 0.249    | 0.099      |
| 11DS0668  | 0.249    | 0.2        |
| 11DS0667  | 0.6      | 0.099      |
| 11DS0666  | 0.8      | 0.3        |
| 11DS0665  | 0.6      | 0.5        |
| 11DS0664  | 0.8      | 0.3        |
| 11DS0663  | 0.249    | 0.099      |
| 11DS0662  | 1.6      | 0.4        |
| 11DS0660  | 0.249    | 0.099      |
| 11DS0659  | 0.249    | 0.099      |
| 11DS0658  | 0.249    | 0.099      |
| 11DS0657  | 0.249    | 0.099      |
| 11DS0656  | 0.249    | 0.099      |
| 11DS0655  | 0.249    | 0.099      |
| 11DS0654  | 0.249    | 0.099      |
| 11DS0653  | 0.249    | 0.099      |
| 11DS0652  | 0.249    | 0.099      |
| 11DS0651  | 0.249    | 0.099      |
| 11DS0650  | 0.249    | 0.099      |
| 11DS0649  | 0.249    | 0.099      |
| 11DS0648  | 0.249    | 0.099      |
| 11DS0647  | 0.249    | 0.099      |
| 11DS0646  | 0.249    | 0.099      |
| 11DS0645  | 0.249    | 0.099      |
| 11DS0644  | 0.249    | 0.099      |
| 11DS0643  | 0.249    | 0.099      |
| 11DS0642  | 0.249    | 0.099      |
| 11DS0640  | 0.249    | 0.099      |
| 11DS0639  | 0.249    | 0.099      |
| 11DS0638  | 0.249    | 0.099      |
| 11DS0637  | 0.249    | 0.099      |
| 11DS0636  | 0.249    | 0.099      |
| 11DS0635  | 0.249    | 0.099      |
| 11DS0634  | 0.249    | 0.099      |
| 11DS0633  | 0.249    | 0.099      |
| 11DS0632  | 0.249    | 0.099      |
| 11DS0631  | 0.249    | 0.099      |
| 11DS0630  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0629  | 0.249    | 0.099      |
| 11DS0628  | 0.249    | 0.099      |
| 11DS0627  | 0.249    | 0.5        |
| 11DS0626  | 0.249    | 0.099      |
| 11DS0625  | 0.249    | 0.099      |
| 11DS0624  | 0.249    | 0.099      |
| 11DS0623  | 0.249    | 0.099      |
| 11DS0622  | 0.249    | 0.099      |
| 11DS0620  | 0.249    | 0.099      |
| 11DS0619  | 0.249    | 0.099      |
| 11DS0618  | 0.7      | 0.3        |
| 11DS0617  | 0.8      | 0.099      |
| 11DS0616  | 0.8      | 0.099      |
| 11DS0615  | 0.249    | 0.099      |
| 11DS0614  | 0.6      | 0.099      |
| 11DS0613  | 0.249    | 0.099      |
| 11DS0612  | 0.249    | 0.099      |
| 11DS0611  | 0.249    | 0.099      |
| 11DS0610  | 0.6      | 0.099      |
| 11DS0609  | 0.249    | 0.099      |
| 11DS0608  | 0.249    | 0.099      |
| 11DS0607  | 0.249    | 0.099      |
| 11DS0606  | 0.249    | 0.099      |
| 11DS0605  | 0.249    | 0.099      |
| 11DS0604  | -100     | -100       |
| 11DS0603  | 0.249    | 0.099      |
| 11DS0602  | 0.249    | 0.099      |
| 11DS0600  | 0.249    | 0.099      |
| 11DS0599  | 0.249    | 0.099      |
| 11DS0598  | 0.249    | 0.099      |
| 11DS0597  | 0.249    | 0.099      |
| 11DS0596  | 0.249    | 0.099      |
| 11DS0595  | 0.5      | 0.099      |
| 11DS0594  | 0.7      | 0.099      |
| 11DS0593  | 0.6      | 0.099      |
| 11DS0592  | 0.249    | 0.099      |
| 11DS0591  | 0.5      | 0.099      |
| 11DS0590  | 0.249    | 0.099      |
| 11DS0589  | 0.249    | 0.099      |
| 11DS0588  | 0.6      | 0.099      |
| 11DS0587  | 0.249    | 0.099      |
| 11DS0586  | 0.249    | 0.099      |
| 11DS0585  | 0.249    | 0.099      |
| 11DS0584  | 0.249    | 0.099      |
| 11DS0583  | 0.249    | 0.2        |
| 11DS0582  | 0.6      | 0.6        |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0580  | 0.249    | 0.099      |
| 11DS0579  | 0.249    | 0.099      |
| 11DS0578  | 0.249    | 0.099      |
| 11DS0577  | 0.249    | 0.099      |
| 11DS0576  | 0.249    | 0.099      |
| 11DS0575  | 0.249    | 0.099      |
| 11DS0574  | 0.249    | 0.099      |
| 11DS0573  | 0.249    | 0.099      |
| 11DS0572  | 0.249    | 0.099      |
| 11DS0571  | 0.249    | 0.099      |
| 11DS0570  | 0.249    | 0.099      |
| 11DS0569  | 0.249    | 0.099      |
| 11DS0568  | 0.249    | 0.099      |
| 11DS0567  | 0.249    | 0.099      |
| 11DS0566  | 0.249    | 0.099      |
| 11DS0565  | 0.249    | 0.099      |
| 11DS0564  | 0.249    | 0.099      |
| 11DS0563  | 0.249    | 0.099      |
| 11DS0562  | 0.249    | 0.099      |
| 11DS0560  | 0.249    | 0.099      |
| 11DS0559  | 0.249    | 0.099      |
| 11DS0558  | 0.249    | 0.099      |
| 11DS0557  | 0.249    | 0.099      |
| 11DS0556  | 0.249    | 0.099      |
| 11DS0555  | 0.249    | 0.099      |
| 11DS0554  | 0.249    | 0.4        |
| 11DS0553  | 0.249    | 0.099      |
| 11DS0552  | 0.249    | 0.099      |
| 11DS0551  | 0.249    | 0.099      |
| 11DS0550  | 0.249    | 0.099      |
| 11DS0549  | 0.249    | 0.099      |
| 11DS0548  | 0.249    | 0.099      |
| 11DS0547  | 0.249    | 0.099      |
| 11DS0546  | 0.249    | 0.099      |
| 11DS0545  | 0.249    | 0.099      |
| 11DS0544  | 0.249    | 0.099      |
| 11DS0543  | 0.249    | 0.099      |
| 11DS0542  | 0.249    | 0.099      |
| 11DS0540  | 0.249    | 0.099      |
| 11DS0539  | 0.249    | 0.099      |
| 11DS0538  | 0.249    | 0.099      |
| 11DS0537  | 0.249    | 0.099      |
| 11DS0536  | 0.249    | 0.099      |
| 11DS0535  | 0.249    | 0.099      |
| 11DS0534  | 0.249    | 0.099      |
| 11DS0533  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0532  | 0.249    | 0.099      |
| 11DS0531  | 0.249    | 0.099      |
| 11DS0530  | 0.249    | 0.099      |
| 11DS0529  | 0.249    | 0.099      |
| 11DS0528  | 0.249    | 0.099      |
| 11DS0527  | 0.249    | 0.099      |
| 11DS0526  | 0.249    | 0.099      |
| 11DS0525  | 0.249    | 0.099      |
| 11DS0524  | 0.249    | 0.099      |
| 11DS0523  | 0.249    | 0.099      |
| 11DS0522  | 0.249    | 0.099      |
| 11DS0520  | 0.249    | 0.099      |
| 11DS0519  | 0.249    | 0.099      |
| 11DS0518  | 0.249    | 0.099      |
| 11DS0517  | 0.249    | 0.099      |
| 11DS0516  | 0.249    | 0.099      |
| 11DS0515  | 0.249    | 0.099      |
| 11DS0514  | 0.249    | 0.099      |
| 11DS0513  | 0.249    | 0.099      |
| 11DS0512  | 0.249    | 0.099      |
| 11DS0511  | 0.249    | 0.099      |
| 11DS0510  | 0.249    | 0.099      |
| 11DS0509  | 0.249    | 0.099      |
| 11DS0508  | 0.249    | 0.099      |
| 11DS0507  | 0.5      | 0.099      |
| 11DS0506  | 0.249    | 0.099      |
| 11DS0505  | 0.5      | 0.099      |
| 11DS0504  | 0.249    | 0.099      |
| 11DS0503  | -100     | -100       |
| 11DS0502  | 0.249    | 0.099      |
| 11DS0500  | 0.249    | 0.099      |
| 11DS0499  | 0.249    | 0.099      |
| 11DS0498  | 0.249    | 0.099      |
| 11DS0497  | 0.249    | 0.099      |
| 11DS0496  | 0.249    | 0.099      |
| 11DS0495  | 0.8      | 0.099      |
| 11DS0494  | 0.8      | 0.099      |
| 11DS0493  | 0.7      | 0.099      |
| 11DS0492  | 0.7      | 0.099      |
| 11DS0491  | 0.249    | 0.099      |
| 11DS0490  | 0.249    | 0.099      |
| 11DS0489  | 0.249    | 0.099      |
| 11DS0488  | 0.6      | 0.099      |
| 11DS0487  | 0.9      | 0.099      |
| 11DS0486  | 0.7      | 0.099      |
| 11DS0485  | 0.8      | 0.3        |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0484  | 0.249    | 0.099      |
| 11DS0483  | 0.249    | 0.099      |
| 11DS0482  | 0.249    | 0.099      |
| 11DS0377  | 1.1      | 0.6        |
| 11DS0376  | 2.4      | 1.3        |
| 11DS0375  | 0.8      | 0.099      |
| 11DS0374  | 0.249    | 0.099      |
| 11DS0373  | 0.6      | 0.099      |
| 11DS0372  | 1        | 1.4        |
| 11DS0371  | 0.5      | 0.099      |
| 11DS0370  | 0.249    | 0.099      |
| 11DS0369  | 0.249    | 0.099      |
| 11DS0368  | 0.249    | 0.2        |
| 11DS0367  | 1.5      | 3.3        |
| 11DS0366  | 1.4      | 0.5        |
| 11DS0365  | 2.4      | 0.6        |
| 11DS0364  | 0.249    | 0.099      |
| 11DS0363  | 0.249    | 0.099      |
| 11DS0362  | 0.9      | 0.7        |
| 11DS0360  | 2.5      | 1.9        |
| 11DS0359  | 0.8      | 0.7        |
| 11DS0358  | 0.249    | 0.099      |
| 11DS0357  | 1.1      | 0.099      |
| 11DS0356  | 0.249    | 0.099      |
| 11DS0355  | 0.249    | 0.099      |
| 11DS0354  | 0.249    | 0.099      |
| 11DS0353  | 0.249    | 0.099      |
| 11DS0352  | 0.249    | 0.099      |
| 11DS0351  | 0.249    | 0.099      |
| 11DS0350  | 0.249    | 0.099      |
| 11DS0349  | 0.249    | 0.099      |
| 11DS0348  | 0.249    | 0.099      |
| 11DS0347  | 0.249    | 0.099      |
| 11DS0346  | 0.5      | 0.5        |
| 11DS0345  | 0.7      | 0.9        |
| 11DS0344  | 0.7      | 0.3        |
| 11DS0343  | 1.4      | 0.3        |
| 11DS0342  | 2.2      | 0.6        |
| 11DS0340  | 0.249    | 0.099      |
| 11DS0339  | 0.249    | 0.099      |
| 11DS0338  | 0.249    | 0.099      |
| 11DS0337  | 0.249    | 0.099      |
| 11DS0336  | 0.249    | 0.099      |
| 11DS0335  | 0.249    | 0.099      |
| 11DS0334  | 0.249    | 0.099      |
| 11DS0333  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0332  | 0.249    | 0.099      |
| 11DS0331  | 0.249    | 0.099      |
| 11DS0330  | 0.249    | 0.099      |
| 11DS0329  | 0.249    | 0.099      |
| 11DS0328  | 0.249    | 0.2        |
| 11DS0327  | 0.249    | 1.1        |
| 11DS0326  | 0.249    | 0.099      |
| 11DS0325  | 0.8      | 1.4        |
| 11DS0324  | 1.5      | 2.2        |
| 11DS0323  | 1.3      | 0.8        |
| 11DS0322  | 0.8      | 0.7        |
| 11DS0320  | 1.5      | 0.6        |
| 11DS0319  | 0.249    | 0.2        |
| 11DS0318  | 0.249    | 0.099      |
| 11DS0317  | 0.249    | 0.2        |
| 11DS0316  | 0.8      | 0.5        |
| 11DS0315  | 0.249    | 0.099      |
| 11DS0314  | 0.249    | 0.099      |
| 11DS0313  | 0.249    | 0.099      |
| 11DS0312  | 0.249    | 0.099      |
| 11DS0311  | 1.6      | 3.9        |
| 11DS0310  | 0.249    | 0.099      |
| 11DS0309  | 0.249    | 0.099      |
| 11DS0308  | 0.249    | 0.099      |
| 11DS0307  | 0.249    | 0.099      |
| 11DS0306  | 0.9      | 0.2        |
| 11DS0305  | 1.1      | 0.3        |
| 11DS0304  | 0.249    | 0.099      |
| 11DS0303  | 0.7      | 0.2        |
| 11DS0302  | 0.8      | 0.099      |
| 11DS0300  | 0.249    | 0.099      |
| 11DS0299  | 1        | 0.099      |
| 11DS0298  | 0.249    | 0.099      |
| 11DS0297  | 0.249    | 0.099      |
| 11DS0296  | 0.249    | 0.3        |
| 11DS0295  | 0.8      | 0.5        |
| 11DS0294  | 4.3      | 7.8        |
| 11DS0293  | 4.6      | 8.6        |
| 11DS0292  | 0.8      | 0.3        |
| 11DS0291  | 0.249    | 0.099      |
| 11DS0290  | 0.7      | 0.5        |
| 11DS0289  | 0.249    | 0.099      |
| 11DS0288  | 0.249    | 0.099      |
| 11DS0287  | 0.249    | 0.099      |
| 11DS0286  | 0.249    | 0.099      |
| 11DS0285  | 0.7      | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0284  | 0.249    | 0.099      |
| 11DS0283  | 0.249    | 0.099      |
| 11DS0282  | 0.9      | 0.6        |
| 11DS0280  | 0.249    | 0.5        |
| 11DS0279  | 0.7      | 2.4        |
| 11DS0278  | 3.1      | 3.4        |
| 11DS0277  | 0.6      | 0.099      |
| 11DS0276  | 0.249    | 0.099      |
| 11DS0275  | 0.249    | 0.099      |
| 11DS0274  | 1        | 0.099      |
| 11DS0273  | 0.249    | 0.099      |
| 11DS0272  | 0.6      | 0.099      |
| 11DS0271  | 0.6      | 0.099      |
| 11DS0270  | 0.249    | 0.099      |
| 11DS0269  | 0.249    | 0.099      |
| 11DS0268  | 0.5      | 0.099      |
| 11DS0267  | 0.8      | 0.099      |
| 11DS0266  | 0.249    | 0.099      |
| 11DS0265  | 0.8      | 0.099      |
| 11DS0264  | 0.249    | 0.099      |
| 11DS0263  | 0.6      | 0.099      |
| 11DS0262  | 0.9      | 0.099      |
| 11DS0260  | 0.6      | 0.099      |
| 11DS0259  | 0.249    | 0.099      |
| 11DS0258  | 0.249    | 0.099      |
| 11DS0257  | 0.249    | 0.099      |
| 11DS0256  | 0.8      | 0.099      |
| 11DS0255  | 0.249    | 0.099      |
| 11DS0254  | 0.249    | 0.099      |
| 11DS0253  | 0.249    | 0.099      |
| 11DS0252  | 0.249    | 0.099      |
| 11DS0251  | 0.249    | 0.099      |
| 11DS0250  | 0.249    | 0.099      |
| 11DS0249  | 0.249    | 0.099      |
| 11DS0248  | 0.249    | 0.099      |
| 11DS0247  | 0.249    | 0.099      |
| 11DS0246  | 0.7      | 0.099      |
| 11DS0245  | 0.249    | 0.099      |
| 11DS0244  | 0.249    | 0.099      |
| 11DS0243  | 0.249    | 0.099      |
| 11DS0242  | 0.249    | 0.099      |
| 11DS0240  | 0.249    | 0.099      |
| 11DS0239  | 0.249    | 0.099      |
| 11DS0238  | 0.249    | 0.099      |
| 11DS0237  | 0.249    | 0.099      |
| 11DS0236  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0235  | 0.249    | 0.099      |
| 11DS0234  | 0.249    | 0.099      |
| 11DS0233  | 0.249    | 0.099      |
| 11DS0232  | 0.249    | 0.3        |
| 11DS0231  | 0.249    | 0.099      |
| 11DS0230  | 0.249    | 0.099      |
| 11DS0229  | 0.5      | 0.099      |
| 11DS0228  | 0.249    | 0.099      |
| 11DS0227  | 0.249    | 0.099      |
| 11DS0226  | 0.249    | 0.099      |
| 11DS0225  | 0.249    | 0.099      |
| 11DS0224  | 0.6      | 0.099      |
| 11DS0223  | 0.249    | 0.099      |
| 11DS0222  | 0.249    | 0.099      |
| 11DS0220  | 0.249    | 0.099      |
| 11DS0219  | 0.249    | 0.099      |
| 11DS0218  | 0.249    | 0.099      |
| 11DS0217  | 0.249    | 0.099      |
| 11DS0216  | 0.8      | 0.099      |
| 11DS0215  | 0.249    | 0.099      |
| 11DS0214  | 0.249    | 0.099      |
| 11DS0213  | 0.249    | 0.099      |
| 11DS0212  | 0.249    | 0.099      |
| 11DS0210  | 0.249    | 0.099      |
| 11DS0209  | 0.249    | 0.099      |
| 11DS0208  | 0.249    | 0.099      |
| 11DS0207  | 0.249    | 0.099      |
| 11DS0206  | 0.249    | 0.099      |
| 11DS0205  | 0.249    | 0.099      |
| 11DS0204  | 0.6      | 0.099      |
| 11DS0203  | 0.249    | 0.099      |
| 11DS0202  | 0.249    | 0.099      |
| 11DS0200  | 0.249    | 0.099      |
| 11DS0199  | 0.249    | 0.099      |
| 11DS0198  | 0.249    | 0.099      |
| 11DS0197  | 0.249    | 0.099      |
| 11DS0196  | 0.249    | 0.099      |
| 11DS0195  | 0.249    | 0.099      |
| 11DS0194  | 0.249    | 0.099      |
| 11DS0193  | 0.249    | 0.099      |
| 11DS0192  | 0.249    | 0.099      |
| 11DS0191  | 0.249    | 0.099      |
| 11DS0190  | 0.249    | 0.099      |
| 11DS0189  | 0.249    | 0.099      |
| 11DS0188  | 0.249    | 0.099      |
| 11DS0187  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0186  | 0.249    | 0.099      |
| 11DS0185  | 0.249    | 0.099      |
| 11DS0184  | 0.249    | 0.099      |
| 11DS0183  | 0.249    | 0.099      |
| 11DS0182  | 0.249    | 0.099      |
| 11DS0180  | 0.249    | 0.099      |
| 11DS0179  | 0.249    | 0.099      |
| 11DS0178  | 0.249    | 0.099      |
| 11DS0177  | 0.249    | 0.099      |
| 11DS0176  | 0.249    | 0.099      |
| 11DS0175  | 0.249    | 0.099      |
| 11DS0174  | 0.249    | 0.099      |
| 11DS0173  | 0.249    | 0.099      |
| 11DS0172  | 0.249    | 0.099      |
| 11DS0171  | 0.249    | 0.099      |
| 11DS0170  | 0.249    | 0.099      |
| 11DS0169  | 0.249    | 0.099      |
| 11DS0168  | 0.249    | 0.099      |
| 11DS0167  | 0.249    | 0.099      |
| 11DS0166  | 0.249    | 0.099      |
| 11DS0165  | 0.249    | 0.099      |
| 11DS0164  | 0.249    | 0.099      |
| 11DS0163  | 0.249    | 0.099      |
| 11DS0162  | 0.249    | 0.099      |
| 11DS0160  | 2.1      | 6.6        |
| 11DS0159  | 0.249    | 0.099      |
| 11DS0158  | 0.249    | 0.099      |
| 11DS0157  | 0.5      | 0.099      |
| 11DS0156  | 0.249    | 0.099      |
| 11DS0155  | 0.249    | 0.099      |
| 11DS0154  | 0.249    | 0.2        |
| 11DS0153  | 0.249    | 0.099      |
| 11DS0152  | 0.6      | 0.099      |
| 11DS0151  | 0.5      | 0.099      |
| 11DS0150  | 0.249    | 0.099      |
| 11DS0149  | 0.249    | 0.099      |
| 11DS0148  | 0.249    | 0.099      |
| 11DS0147  | 0.249    | 0.099      |
| 11DS0146  | 0.6      | 0.099      |
| 11DS0145  | 0.7      | 0.099      |
| 11DS0144  | 0.249    | 0.099      |
| 11DS0143  | 0.6      | 0.099      |
| 11DS0142  | 0.7      | 0.099      |
| 11DS0140  | 0.249    | 0.099      |
| 11DS0139  | 0.249    | 0.099      |
| 11DS0138  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0137  | 0.249    | 0.099      |
| 11DS0136  | 0.249    | 0.099      |
| 11DS0135  | 0.249    | 0.099      |
| 11DS0134  | 0.249    | 0.099      |
| 11DS0133  | 0.249    | 0.099      |
| 11DS0132  | 0.249    | 0.099      |
| 11DS0131  | 0.249    | 0.099      |
| 11DS0130  | 0.249    | 0.099      |
| 11DS0129  | 0.249    | 0.099      |
| 11DS0128  | 0.249    | 0.099      |
| 11DS0127  | 0.249    | 0.099      |
| 11DS0126  | 0.249    | 0.099      |
| 11DS0125  | 0.249    | 0.099      |
| 11DS0124  | 0.249    | 0.099      |
| 11DS0123  | 0.249    | 0.099      |
| 11DS0122  | 0.249    | 0.099      |
| 11DS0120  | 0.249    | 0.099      |
| 11DS0119  | 0.249    | 0.099      |
| 11DS0118  | 0.249    | 0.099      |
| 11DS0117  | 0.249    | 0.099      |
| 11DS0116  | 0.249    | 0.099      |
| 11DS0115  | 0.249    | 0.099      |
| 11DS0114  | 0.249    | 0.099      |
| 11DS0113  | 0.249    | 0.099      |
| 11DS0112  | 0.249    | 0.099      |
| 11DS0111  | 0.249    | 0.099      |
| 11DS0110  | 0.249    | 0.099      |
| 11DS0109  | 0.249    | 0.099      |
| 11DS0108  | 0.249    | 0.099      |
| 11DS0107  | 0.249    | 0.099      |
| 11DS0106  | 0.249    | 0.099      |
| 11DS0105  | 0.249    | 0.099      |
| 11DS0104  | 0.249    | 0.099      |
| 11DS0103  | 0.249    | 0.099      |
| 11DS0102  | 0.249    | 0.099      |
| 11DS0100  | 0.249    | 0.099      |
| 11DS0099  | 0.249    | 0.099      |
| 11DS0098  | 0.249    | 0.099      |
| 11DS0097  | 0.249    | 0.099      |
| 11DS0096  | 0.249    | 0.099      |
| 11DS0095  | 0.249    | 0.099      |
| 11DS0094  | 0.249    | 0.099      |
| 11DS0093  | 0.249    | 0.099      |
| 11DS0092  | 0.249    | 0.099      |
| 11DS0091  | 0.249    | 0.099      |
| 11DS0090  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0089  | 0.249    | 0.099      |
| 11DS0088  | 0.249    | 0.099      |
| 11DS0087  | 0.249    | 0.099      |
| 11DS0086  | 0.249    | 0.099      |
| 11DS0085  | 0.249    | 0.099      |
| 11DS0084  | 0.249    | 0.099      |
| 11DS0083  | 0.249    | 0.099      |
| 11DS0082  | 0.249    | 0.099      |
| 11DS0080  | 0.249    | 0.099      |
| 11DS0079  | 0.249    | 0.099      |
| 11DS0078  | 0.249    | 0.099      |
| 11DS0077  | 0.249    | 0.2        |
| 11DS0076  | 0.249    | 0.099      |
| 11DS0075  | 0.249    | 0.099      |
| 11DS0074  | 0.249    | 0.099      |
| 11DS0073  | 0.249    | 0.099      |
| 11DS0072  | 0.249    | 0.099      |
| 11DS0071  | 0.5      | 0.099      |
| 11DS0070  | 0.249    | 0.099      |
| 11DS0069  | 0.249    | 0.099      |
| 11DS0068  | 0.249    | 0.099      |
| 11DS0067  | 0.249    | 0.099      |
| 11DS0066  | 0.249    | 0.099      |
| 11DS0065  | 0.249    | 0.099      |
| 11DS0064  | 0.249    | 0.099      |
| 11DS0063  | 0.249    | 0.099      |
| 11DS0062  | 0.249    | 0.099      |
| 11DS0060  | 0.249    | 0.099      |
| 11DS0059  | 0.249    | 2.5        |
| 11DS0058  | 0.249    | 0.099      |
| 11DS0057  | 0.249    | 0.099      |
| 11DS0056  | 0.249    | 0.099      |
| 11DS0055  | 0.249    | 0.099      |
| 11DS0054  | 0.249    | 0.099      |
| 11DS0053  | 0.249    | 0.099      |
| 11DS0052  | 0.249    | 0.099      |
| 11DS0051  | 0.249    | 0.099      |
| 11DS0050  | 0.249    | 0.099      |
| 11DS0049  | 0.249    | 0.099      |
| 11DS0048  | 0.249    | 0.099      |
| 11DS0047  | 0.249    | 0.3        |
| 11DS0046  | 0.249    | 0.099      |
| 11DS0045  | 0.249    | 0.099      |
| 11DS0044  | 0.249    | 0.099      |
| 11DS0042  | 0.249    | 0.099      |
| 11DS0041  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11DS0040  | 0.249    | 0.099      |
| 11DS0039  | 0.249    | 0.099      |
| 11DS0038  | 0.249    | 0.099      |
| 11DS0037  | 0.249    | 0.3        |
| 11DS0036  | 0.249    | 0.099      |
| 11DS0035  | 0.249    | 0.099      |
| 11DS0034  | 0.249    | 0.099      |
| 11DS0033  | 0.249    | 0.099      |
| 11DS0032  | 0.249    | 0.099      |
| 11DS0031  | 0.249    | 0.2        |
| 11DS0030  | 0.249    | 0.099      |
| 11DS0029  | 0.249    | 0.099      |
| 11DS0028  | 0.249    | 0.099      |
| 11DS0027  | 0.249    | 0.2        |
| 11DS0026  | 0.249    | 0.2        |
| 11DS0025  | 0.249    | 0.099      |
| 11DS0024  | 0.249    | 0.099      |
| 11DS0023  | 0.249    | 0.099      |
| 11DS0021  | 0.8      | 0.099      |
| 11DS0020  | 0.249    | 0.2        |
| 11DS0019  | 0.249    | 0.2        |
| 11DS0018  | 0.249    | 0.2        |
| 11DS0017  | 0.249    | 0.099      |
| 11DS0016  | 0.249    | 0.099      |
| 11DS0015  | 0.249    | 0.099      |
| 11DS0014  | 0.249    | 0.099      |
| 11DS0013  | 0.249    | 0.3        |
| 11DS0012  | 0.249    | 0.2        |
| 11DS0011  | 0.249    | 0.099      |
| 11DS0010  | 0.249    | 0.099      |
| 11DS0009  | 0.249    | 0.2        |
| 11DS0008  | 0.249    | 0.099      |
| 11DS0007  | 0.249    | 0.3        |
| 11DS0006  | 0.6      | 0.4        |
| 11DS0005  | 0.249    | 0.7        |
| 11DS0004  | 0.249    | 0.3        |
| 11DS0003  | 0.249    | 0.2        |
| 11DS0002  | 0.249    | 0.3        |
| 11DS0001  | 0.249    | 0.3        |
| 11CB1277  | 0.5      | 0.099      |
| 11CB1276  | 0.249    | 0.099      |
| 11CB1275  | 0.249    | 0.099      |
| 11CB1274  | 0.249    | 0.099      |
| 11CB1273  | 0.249    | 0.099      |
| 11CB1272  | 0.249    | 0.099      |
| 11CB1271  | 0.7      | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB1270  | 0.6      | 0.2        |
| 11CB1269  | 0.249    | 0.099      |
| 11CB1268  | 0.249    | 0.099      |
| 11CB1267  | 0.249    | 0.099      |
| 11CB1266  | 0.249    | 0.099      |
| 11CB1265  | 0.249    | 0.099      |
| 11CB1264  | 0.249    | 0.099      |
| 11CB1263  | 0.249    | 0.099      |
| 11CB1262  | 0.249    | 0.099      |
| 11CB1260  | 0.9      | 0.099      |
| 11CB1259  | 0.7      | 0.3        |
| 11CB1258  | 0.249    | 0.099      |
| 11CB1257  | 0.249    | 0.099      |
| 11CB1256  | 0.249    | 0.2        |
| 11CB1255  | 0.9      | 0.2        |
| 11CB1254  | 1.3      | 0.2        |
| 11CB1253  | 0.249    | 0.3        |
| 11CB1252  | 0.8      | 0.2        |
| 11CB1251  | 0.249    | 0.099      |
| 11CB1250  | 0.7      | 0.099      |
| 11CB1249  | 0.7      | 0.099      |
| 11CB1248  | 0.7      | 0.2        |
| 11CB1247  | 1.3      | 0.2        |
| 11CB1246  | 1        | 0.099      |
| 11CB1245  | 0.249    | 0.099      |
| 11CB1244  | 0.249    | 0.099      |
| 11CB1243  | 0.249    | 0.099      |
| 11CB1242  | 0.249    | 0.099      |
| 11CB1240  | 0.249    | 0.099      |
| 11CB1239  | 0.249    | 0.099      |
| 11CB1238  | 0.249    | 0.099      |
| 11CB1237  | 0.249    | 0.099      |
| 11CB1236  | 0.249    | 0.099      |
| 11CB1235  | 0.249    | 0.099      |
| 11CB1234  | 0.249    | 0.099      |
| 11CB1233  | 0.249    | 0.099      |
| 11CB1232  | 0.249    | 0.099      |
| 11CB1219  | 0.249    | 0.099      |
| 11CB1218  | 0.249    | 0.099      |
| 11CB1217  | 0.249    | 0.099      |
| 11CB1216  | 0.249    | 0.099      |
| 11CB1215  | 0.6      | 0.099      |
| 11CB1214  | 0.249    | 0.099      |
| 11CB1213  | 0.249    | 0.099      |
| 11CB1212  | 0.6      | 0.099      |
| 11CB1211  | 0.6      | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB1210  | 0.249    | 0.099      |
| 11CB1209  | 0.5      | 0.099      |
| 11CB1207  | 0.249    | 0.099      |
| 11CB1206  | 0.249    | 0.099      |
| 11CB1205  | 0.249    | 0.099      |
| 11CB1204  | 0.249    | 0.099      |
| 11CB1203  | 0.249    | 0.099      |
| 11CB1202  | 0.249    | 0.099      |
| 11CB1201  | 0.249    | 0.099      |
| 11CB1199  | 0.249    | 0.099      |
| 11CB1198  | 0.249    | 0.099      |
| 11CB1197  | 0.249    | 0.099      |
| 11CB1196  | 0.249    | 0.099      |
| 11CB1195  | 0.249    | 0.099      |
| 11CB1194  | 0.249    | 0.099      |
| 11CB1193  | 0.249    | 0.099      |
| 11CB1192  | 0.249    | 0.099      |
| 11CB1191  | 0.249    | 0.099      |
| 11CB1190  | 0.249    | 0.099      |
| 11CB1189  | 0.249    | 0.099      |
| 11CB1188  | 0.6      | 0.099      |
| 11CB1187  | 0.7      | 0.099      |
| 11CB1186  | 0.249    | 0.099      |
| 11CB1185  | 0.249    | 0.099      |
| 11CB1184  | 0.249    | 0.099      |
| 11CB1183  | 0.249    | 0.099      |
| 11CB1182  | 0.249    | 0.099      |
| 11CB1181  | 0.249    | 0.099      |
| 11CB1179  | 0.7      | 0.099      |
| 11CB1178  | 0.6      | 0.099      |
| 11CB1177  | 0.8      | 0.099      |
| 11CB1176  | 0.249    | 0.099      |
| 11CB1175  | 0.249    | 0.099      |
| 11CB1174  | 0.8      | 0.099      |
| 11CB1173  | 0.249    | 0.099      |
| 11CB1172  | 1        | 0.099      |
| 11CB1171  | 0.249    | 0.099      |
| 11CB1170  | 0.7      | 0.099      |
| 11CB1169  | 0.249    | 0.099      |
| 11CB1168  | 0.249    | 0.099      |
| 11CB1167  | 0.249    | 0.099      |
| 11CB1166  | 0.7      | 0.099      |
| 11CB1165  | 0.249    | 0.099      |
| 11CB1164  | 0.5      | 0.099      |
| 11CB1163  | 0.5      | 0.099      |
| 11CB1162  | 0.7      | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB1161  | 0.249    | 0.099      |
| 11CB1159  | 0.249    | 0.099      |
| 11CB1158  | 0.249    | 0.099      |
| 11CB1157  | 0.7      | 0.099      |
| 11CB1156  | 0.249    | 0.099      |
| 11CB1155  | 0.249    | 0.099      |
| 11CB1154  | 0.249    | 0.099      |
| 11CB1153  | 0.249    | 0.099      |
| 11CB1152  | 0.6      | 0.099      |
| 11CB1151  | 0.249    | 0.099      |
| 11CB1150  | 0.249    | 0.099      |
| 11CB1149  | 0.249    | 0.099      |
| 11CB0705  | 0.5      | 0.099      |
| 11CB0704  | 0.249    | 0.099      |
| 11CB0703  | 0.249    | 0.099      |
| 11CB0702  | 0.249    | 0.099      |
| 11CB0700  | 0.249    | 0.099      |
| 11CB0699  | 0.249    | 0.099      |
| 11CB0698  | 0.249    | 0.099      |
| 11CB0697  | 0.249    | 0.099      |
| 11CB0696  | 0.249    | 0.099      |
| 11CB0695  | 0.5      | 0.099      |
| 11CB0694  | 0.249    | 0.099      |
| 11CB0693  | 0.249    | 0.099      |
| 11CB0692  | 0.6      | 0.099      |
| 11CB0691  | 0.7      | 0.099      |
| 11CB0690  | 0.249    | 0.099      |
| 11CB0689  | 0.249    | 0.099      |
| 11CB0688  | 0.249    | 0.099      |
| 11CB0687  | 0.249    | 0.099      |
| 11CB0686  | 0.249    | 0.099      |
| 11CB0685  | 0.249    | 0.099      |
| 11CB0684  | 0.249    | 0.099      |
| 11CB0683  | 0.249    | 0.099      |
| 11CB0682  | 0.249    | 0.099      |
| 11CB0680  | 0.249    | 0.099      |
| 11CB0679  | 0.6      | 0.099      |
| 11CB0678  | 0.249    | 0.099      |
| 11CB0677  | 0.249    | 0.099      |
| 11CB0676  | 0.5      | 0.099      |
| 11CB0675  | 0.6      | 0.099      |
| 11CB0674  | 0.249    | 0.099      |
| 11CB0673  | 0.5      | 0.099      |
| 11CB0672  | 0.249    | 0.099      |
| 11CB0671  | 0.249    | 0.099      |
| 11CB0670  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0669  | 0.249    | 0.099      |
| 11CB0668  | 1.2      | 0.099      |
| 11CB0667  | 0.249    | 0.099      |
| 11CB0666  | 0.249    | 0.099      |
| 11CB0665  | 0.249    | 0.099      |
| 11CB0664  | 0.8      | 0.099      |
| 11CB0663  | 0.249    | 0.099      |
| 11CB0662  | 0.249    | 0.099      |
| 11CB0660  | 0.249    | 0.3        |
| 11CB0659  | 0.8      | 0.2        |
| 11CB0658  | 0.249    | 0.099      |
| 11CB0657  | 0.249    | 0.099      |
| 11CB0656  | 0.249    | 0.099      |
| 11CB0655  | 0.249    | 0.099      |
| 11CB0654  | 0.6      | 0.099      |
| 11CB0653  | 0.249    | 0.099      |
| 11CB0652  | 0.249    | 0.099      |
| 11CB0651  | 0.249    | 0.099      |
| 11CB0650  | 0.249    | 0.099      |
| 11CB0649  | 0.249    | 0.099      |
| 11CB0648  | 0.249    | 0.099      |
| 11CB0647  | 0.249    | 0.099      |
| 11CB0646  | 0.249    | 0.099      |
| 11CB0645  | 0.249    | 0.099      |
| 11CB0644  | 0.249    | 0.099      |
| 11CB0643  | 0.249    | 0.099      |
| 11CB0642  | 0.249    | 0.099      |
| 11CB0640  | 0.249    | 0.099      |
| 11CB0639  | 0.249    | 0.099      |
| 11CB0638  | 0.249    | 0.099      |
| 11CB0637  | 0.249    | 0.099      |
| 11CB0636  | 0.249    | 0.099      |
| 11CB0635  | 0.249    | 0.099      |
| 11CB0634  | 0.249    | 0.099      |
| 11CB0633  | 0.5      | 0.099      |
| 11CB0632  | 0.249    | 0.099      |
| 11CB0631  | 0.6      | 0.099      |
| 11CB0630  | 0.249    | 0.099      |
| 11CB0629  | 0.249    | 0.099      |
| 11CB0628  | 0.249    | 0.099      |
| 11CB0627  | 0.6      | 0.099      |
| 11CB0626  | 0.249    | 0.099      |
| 11CB0625  | 0.249    | 0.099      |
| 11CB0624  | 0.249    | 0.099      |
| 11CB0623  | 0.249    | 0.099      |
| 11CB0622  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0620  | 0.249    | 0.099      |
| 11CB0619  | 0.249    | 0.099      |
| 11CB0618  | 0.249    | 0.099      |
| 11CB0617  | 0.249    | 0.099      |
| 11CB0616  | 0.249    | 0.099      |
| 11CB0615  | 0.249    | 0.099      |
| 11CB0614  | 0.249    | 0.099      |
| 11CB0613  | 0.249    | 0.099      |
| 11CB0612  | 0.249    | 0.099      |
| 11CB0611  | 0.249    | 0.099      |
| 11CB0610  | 0.7      | 0.099      |
| 11CB0609  | 0.249    | 0.3        |
| 11CB0608  | 0.249    | 0.099      |
| 11CB0607  | 0.7      | 0.099      |
| 11CB0606  | 0.249    | 0.099      |
| 11CB0605  | 0.8      | 0.099      |
| 11CB0604  | 0.5      | 0.099      |
| 11CB0603  | 0.7      | 0.099      |
| 11CB0602  | 0.249    | 0.099      |
| 11CB0600  | 0.249    | 0.099      |
| 11CB0599  | 0.249    | 0.099      |
| 11CB0598  | 0.6      | 0.099      |
| 11CB0597  | 0.249    | 0.099      |
| 11CB0596  | 0.249    | 0.099      |
| 11CB0595  | 0.249    | 0.099      |
| 11CB0594  | 0.249    | 0.099      |
| 11CB0593  | 0.249    | 0.099      |
| 11CB0592  | 0.249    | 0.099      |
| 11CB0591  | 0.5      | 0.099      |
| 11CB0590  | 0.249    | 0.099      |
| 11CB0589  | 0.249    | 0.099      |
| 11CB0588  | 0.249    | 0.099      |
| 11CB0587  | 0.249    | 0.099      |
| 11CB0586  | 0.249    | 0.099      |
| 11CB0585  | 0.249    | 0.099      |
| 11CB0584  | 0.249    | 0.099      |
| 11CB0583  | 0.249    | 0.099      |
| 11CB0582  | 0.249    | 0.099      |
| 11CB0580  | 0.249    | 0.099      |
| 11CB0579  | 0.249    | 0.099      |
| 11CB0578  | 0.249    | 0.099      |
| 11CB0577  | 0.249    | 0.099      |
| 11CB0576  | 0.249    | 0.099      |
| 11CB0575  | 0.249    | 0.099      |
| 11CB0574  | 0.249    | 0.099      |
| 11CB0573  | 0.6      | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0572  | 0.249    | 0.099      |
| 11CB0571  | 0.249    | 0.099      |
| 11CB0570  | 0.249    | 0.099      |
| 11CB0569  | 0.249    | 0.099      |
| 11CB0568  | 0.249    | 0.099      |
| 11CB0567  | 0.5      | 0.099      |
| 11CB0566  | 0.249    | 0.099      |
| 11CB0565  | 0.6      | 0.099      |
| 11CB0564  | 0.249    | 0.099      |
| 11CB0563  | 0.249    | 0.099      |
| 11CB0562  | 0.6      | 0.099      |
| 11CB0560  | 0.249    | 0.099      |
| 11CB0559  | 0.7      | 0.099      |
| 11CB0558  | 0.249    | 0.099      |
| 11CB0557  | 0.249    | 0.099      |
| 11CB0556  | 0.5      | 0.099      |
| 11CB0555  | 0.7      | 0.099      |
| 11CB0554  | 0.6      | 0.099      |
| 11CB0553  | 0.249    | 0.099      |
| 11CB0552  | 0.5      | 0.099      |
| 11CB0551  | 0.6      | 0.099      |
| 11CB0550  | 0.249    | 0.099      |
| 11CB0549  | 0.249    | 0.099      |
| 11CB0548  | 0.249    | 0.099      |
| 11CB0547  | 0.9      | 0.099      |
| 11CB0546  | 0.8      | 0.099      |
| 11CB0545  | 0.249    | 0.099      |
| 11CB0544  | 0.7      | 0.099      |
| 11CB0543  | 0.8      | 0.099      |
| 11CB0542  | 0.249    | 0.099      |
| 11CB0540  | 1        | 0.099      |
| 11CB0539  | 0.249    | 0.099      |
| 11CB0538  | 0.249    | 0.099      |
| 11CB0537  | 0.249    | 0.099      |
| 11CB0536  | 0.5      | 0.099      |
| 11CB0535  | 0.249    | 0.099      |
| 11CB0534  | 0.5      | 0.099      |
| 11CB0533  | 0.249    | 0.099      |
| 11CB0532  | 0.249    | 0.099      |
| 11CB0531  | 0.249    | 0.099      |
| 11CB0530  | 0.249    | 0.099      |
| 11CB0529  | 0.249    | 0.099      |
| 11CB0528  | 0.249    | 0.099      |
| 11CB0527  | 0.249    | 0.099      |
| 11CB0526  | 0.249    | 0.099      |
| 11CB0525  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0524  | 0.249    | 0.099      |
| 11CB0523  | 0.249    | 0.099      |
| 11CB0522  | 0.249    | 0.099      |
| 11CB0520  | 0.8      | 0.099      |
| 11CB0519  | 0.5      | 0.099      |
| 11CB0518  | 0.249    | 0.099      |
| 11CB0517  | 0.249    | 0.099      |
| 11CB0516  | 0.249    | 0.099      |
| 11CB0515  | 0.249    | 0.099      |
| 11CB0514  | 0.249    | 0.099      |
| 11CB0513  | 0.249    | 0.099      |
| 11CB0512  | 0.249    | 0.099      |
| 11CB0511  | 0.249    | 0.099      |
| 11CB0510  | 0.249    | 0.099      |
| 11CB0509  | 0.249    | 0.099      |
| 11CB0508  | 0.249    | 0.099      |
| 11CB0507  | 0.249    | 0.099      |
| 11CB0506  | 0.249    | 0.099      |
| 11CB0505  | 0.249    | 0.099      |
| 11CB0504  | 0.249    | 0.099      |
| 11CB0503  | 0.249    | 0.099      |
| 11CB0502  | 0.249    | 0.099      |
| 11CB0500  | 0.249    | 0.099      |
| 11CB0499  | 0.249    | 0.099      |
| 11CB0498  | 0.249    | 0.099      |
| 11CB0497  | 0.6      | 0.099      |
| 11CB0496  | 0.8      | 0.099      |
| 11CB0495  | 0.249    | 0.099      |
| 11CB0494  | 0.5      | 0.099      |
| 11CB0493  | 0.249    | 0.099      |
| 11CB0492  | 0.249    | 0.099      |
| 11CB0491  | 0.6      | 0.099      |
| 11CB0490  | 0.249    | 0.099      |
| 11CB0489  | 0.7      | 0.099      |
| 11CB0488  | 0.249    | 0.099      |
| 11CB0487  | 0.249    | 0.099      |
| 11CB0486  | 0.249    | 0.099      |
| 11CB0485  | 0.249    | 0.099      |
| 11CB0484  | 0.249    | 0.099      |
| 11CB0483  | 0.5      | 0.099      |
| 11CB0482  | 0.249    | 0.099      |
| 11CB0480  | 0.249    | 0.099      |
| 11CB0479  | 0.249    | 0.099      |
| 11CB0478  | 0.249    | 0.2        |
| 11CB0477  | 0.249    | 0.099      |
| 11CB0476  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0475  | 0.6      | 0.099      |
| 11CB0474  | 0.249    | 0.099      |
| 11CB0473  | 0.249    | 0.099      |
| 11CB0472  | 0.249    | 0.099      |
| 11CB0471  | 0.249    | 0.099      |
| 11CB0470  | 0.249    | 0.099      |
| 11CB0469  | 0.249    | 0.099      |
| 11CB0468  | 0.249    | 0.099      |
| 11CB0366  | 0.8      | 0.099      |
| 11CB0365  | 0.5      | 0.099      |
| 11CB0364  | 0.249    | 0.3        |
| 11CB0363  | 1.5      | 0.3        |
| 11CB0362  | 0.249    | 0.099      |
| 11CB0360  | 0.249    | 0.099      |
| 11CB0359  | 0.249    | 0.099      |
| 11CB0358  | 0.249    | 0.099      |
| 11CB0357  | 0.6      | 0.099      |
| 11CB0356  | 0.7      | 0.099      |
| 11CB0355  | 0.7      | 0.099      |
| 11CB0354  | 1.6      | 0.4        |
| 11CB0353  | 0.249    | 0.099      |
| 11CB0352  | 0.249    | 0.099      |
| 11CB0351  | 0.249    | 0.099      |
| 11CB0350  | 2.1      | 0.6        |
| 11CB0349  | 0.9      | 0.3        |
| 11CB0348  | 0.249    | 0.099      |
| 11CB0347  | 0.249    | 0.099      |
| 11CB0346  | 0.249    | 0.099      |
| 11CB0345  | 0.249    | 0.099      |
| 11CB0344  | 0.249    | 0.099      |
| 11CB0343  | 0.249    | 0.099      |
| 11CB0342  | 0.249    | 0.099      |
| 11CB0340  | 0.249    | 0.099      |
| 11CB0339  | 0.249    | 0.099      |
| 11CB0338  | 0.249    | 0.099      |
| 11CB0337  | 0.249    | 0.099      |
| 11CB0336  | 0.249    | 0.099      |
| 11CB0335  | 1.3      | 0.5        |
| 11CB0334  | 0.8      | 0.5        |
| 11CB0333  | 0.9      | 0.5        |
| 11CB0332  | 0.249    | 0.5        |
| 11CB0331  | 1.3      | 0.8        |
| 11CB0330  | 0.249    | 0.3        |
| 11CB0329  | 0.249    | 0.099      |
| 11CB0328  | 0.249    | 0.099      |
| 11CB0327  | 0.249    | 0.3        |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0326  | 0.7      | 0.5        |
| 11CB0325  | 0.6      | 0.099      |
| 11CB0324  | 0.249    | 0.099      |
| 11CB0323  | 0.5      | 0.099      |
| 11CB0322  | 0.249    | 0.099      |
| 11CB0320  | 0.249    | 0.099      |
| 11CB0319  | 0.249    | 0.099      |
| 11CB0318  | 0.249    | 0.099      |
| 11CB0317  | 0.6      | 0.099      |
| 11CB0316  | 1.3      | 1.2        |
| 11CB0315  | 2        | 3.5        |
| 11CB0314  | 4.9      | 2.2        |
| 11CB0313  | 1.8      | 0.8        |
| 11CB0312  | 0.249    | 0.099      |
| 11CB0311  | 0.249    | 0.099      |
| 11CB0310  | 0.249    | 0.099      |
| 11CB0309  | 0.249    | 0.099      |
| 11CB0308  | 0.249    | 0.099      |
| 11CB0307  | 0.249    | 0.2        |
| 11CB0306  | 0.249    | 0.6        |
| 11CB0305  | 0.7      | 0.3        |
| 11CB0304  | 1        | 0.099      |
| 11CB0303  | 0.7      | 0.099      |
| 11CB0302  | 0.249    | 0.099      |
| 11CB0300  | 0.249    | 0.099      |
| 11CB0299  | 0.249    | 0.099      |
| 11CB0298  | 0.249    | 0.099      |
| 11CB0297  | 0.249    | 0.099      |
| 11CB0296  | 0.249    | 0.099      |
| 11CB0295  | 0.249    | 0.099      |
| 11CB0294  | 0.249    | 0.099      |
| 11CB0293  | 2.3      | 7.4        |
| 11CB0292  | 0.249    | 0.099      |
| 11CB0291  | 0.249    | 0.099      |
| 11CB0290  | 0.249    | 0.099      |
| 11CB0289  | 0.249    | 0.099      |
| 11CB0288  | 0.249    | 0.099      |
| 11CB0287  | 0.8      | 0.3        |
| 11CB0286  | 0.249    | 0.099      |
| 11CB0285  | 0.6      | 0.099      |
| 11CB0284  | 0.6      | 0.099      |
| 11CB0283  | 0.249    | 0.099      |
| 11CB0282  | 0.249    | 0.099      |
| 11CB0281  | 0.249    | 0.099      |
| 11CB0280  | 0.249    | 0.099      |
| 11CB0279  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0278  | 0.249    | 0.099      |
| 11CB0277  | 0.249    | 0.2        |
| 11CB0276  | 0.249    | 0.5        |
| 11CB0275  | 0.7      | 0.099      |
| 11CB0274  | 0.8      | 0.099      |
| 11CB0273  | 0.249    | 0.099      |
| 11CB0272  | 0.249    | 0.099      |
| 11CB0271  | 0.249    | 0.099      |
| 11CB0270  | 0.7      | 0.5        |
| 11CB0269  | 0.249    | 0.099      |
| 11CB0268  | 0.249    | 0.099      |
| 11CB0267  | 0.249    | 0.099      |
| 11CB0266  | 0.249    | 0.099      |
| 11CB0265  | 0.249    | 0.099      |
| 11CB0264  | 0.249    | 0.099      |
| 11CB0263  | 0.249    | 0.099      |
| 11CB0262  | 1.3      | 0.4        |
| 11CB0261  | 1.1      | 0.4        |
| 11CB0259  | 0.7      | 3.1        |
| 11CB0258  | 0.249    | 0.6        |
| 11CB0257  | 0.249    | 0.2        |
| 11CB0256  | 0.249    | 0.099      |
| 11CB0255  | 0.249    | 0.099      |
| 11CB0253  | 0.249    | 0.099      |
| 11CB0252  | 0.249    | 0.099      |
| 11CB0251  | 0.249    | 0.099      |
| 11CB0250  | 1.2      | 0.099      |
| 11CB0249  | 0.249    | 0.099      |
| 11CB0248  | 0.249    | 0.099      |
| 11CB0247  | 0.249    | 0.099      |
| 11CB0246  | 0.249    | 0.099      |
| 11CB0245  | 0.249    | 0.099      |
| 11CB0244  | 0.249    | 0.099      |
| 11CB0243  | 0.249    | 0.099      |
| 11CB0242  | 0.249    | 0.099      |
| 11CB0240  | 0.249    | 0.099      |
| 11CB0239  | 0.249    | 0.099      |
| 11CB0238  | 0.249    | 0.099      |
| 11CB0237  | 0.249    | 0.099      |
| 11CB0236  | 0.249    | 0.099      |
| 11CB0235  | 0.249    | 0.099      |
| 11CB0234  | 0.249    | 0.099      |
| 11CB0233  | 0.249    | 0.099      |
| 11CB0232  | 0.249    | 0.099      |
| 11CB0231  | 0.249    | 0.099      |
| 11CB0230  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0229  | 0.249    | 0.099      |
| 11CB0228  | 0.249    | 0.099      |
| 11CB0227  | 0.249    | 0.099      |
| 11CB0226  | 0.7      | 0.099      |
| 11CB0225  | 0.249    | 0.099      |
| 11CB0224  | 0.249    | 0.099      |
| 11CB0223  | 0.249    | 0.099      |
| 11CB0222  | 0.249    | 0.099      |
| 11CB0221  | 0.5      | 0.099      |
| 11CB0219  | 0.249    | 0.099      |
| 11CB0218  | 0.5      | 0.099      |
| 11CB0217  | 0.9      | 0.099      |
| 11CB0216  | 0.249    | 0.099      |
| 11CB0215  | 0.6      | 0.099      |
| 11CB0214  | 0.9      | 0.3        |
| 11CB0213  | 0.249    | 0.099      |
| 11CB0212  | 0.249    | 0.099      |
| 11CB0211  | 0.249    | 0.099      |
| 11CB0210  | 0.249    | 0.099      |
| 11CB0209  | 0.7      | 0.099      |
| 11CB0208  | 0.249    | 0.099      |
| 11CB0207  | 0.249    | 0.099      |
| 11CB0206  | 0.249    | 0.099      |
| 11CB0205  | 0.249    | 0.099      |
| 11CB0204  | 1.2      | 0.099      |
| 11CB0203  | 0.249    | 0.099      |
| 11CB0202  | 0.249    | 0.099      |
| 11CB0201  | 0.249    | 0.099      |
| 11CB0200  | 0.249    | 0.099      |
| 11CB0199  | 0.9      | 0.099      |
| 11CB0198  | 0.9      | 0.099      |
| 11CB0197  | 0.249    | 0.099      |
| 11CB0196  | 0.249    | 0.099      |
| 11CB0195  | 0.7      | 0.099      |
| 11CB0194  | 0.7      | 0.099      |
| 11CB0193  | 0.249    | 0.099      |
| 11CB0192  | 0.249    | 0.099      |
| 11CB0191  | 1        | 0.2        |
| 11CB0190  | 0.249    | 0.099      |
| 11CB0189  | 1.1      | 0.099      |
| 11CB0188  | 0.249    | 0.099      |
| 11CB0187  | 0.6      | 0.099      |
| 11CB0186  | 0.5      | 0.099      |
| 11CB0185  | 0.249    | 0.099      |
| 11CB0184  | 0.249    | 0.099      |
| 11CB0183  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0182  | 0.249    | 0.099      |
| 11CB0180  | 0.249    | 0.099      |
| 11CB0179  | 0.249    | 0.099      |
| 11CB0178  | 0.249    | 0.099      |
| 11CB0177  | 0.249    | 0.099      |
| 11CB0176  | 0.249    | 0.099      |
| 11CB0175  | 0.249    | 0.099      |
| 11CB0174  | 0.249    | 0.2        |
| 11CB0173  | 0.249    | 0.099      |
| 11CB0172  | 0.249    | 0.099      |
| 11CB0171  | 0.249    | 0.099      |
| 11CB0170  | 0.249    | 0.099      |
| 11CB0169  | 0.249    | 0.099      |
| 11CB0168  | 0.249    | 0.099      |
| 11CB0167  | 0.249    | 0.099      |
| 11CB0166  | 0.249    | 0.099      |
| 11CB0165  | 0.5      | 0.099      |
| 11CB0164  | 0.249    | 0.099      |
| 11CB0163  | 0.249    | 0.099      |
| 11CB0162  | 0.5      | 0.099      |
| 11CB0161  | 0.249    | 0.099      |
| 11CB0160  | 0.6      | 0.099      |
| 11CB0159  | 0.7      | 0.099      |
| 11CB0158  | 0.249    | 0.099      |
| 11CB0157  | 0.6      | 0.099      |
| 11CB0156  | 0.249    | 0.099      |
| 11CB0155  | 0.249    | 0.099      |
| 11CB0154  | 0.249    | 0.099      |
| 11CB0153  | 0.7      | 0.099      |
| 11CB0152  | 0.249    | 0.099      |
| 11CB0151  | 0.249    | 0.099      |
| 11CB0150  | 0.249    | 0.099      |
| 11CB0149  | 0.249    | 0.099      |
| 11CB0148  | 0.249    | 0.099      |
| 11CB0147  | 0.249    | 0.099      |
| 11CB0146  | 0.249    | 0.099      |
| 11CB0145  | 0.249    | 0.099      |
| 11CB0144  | 0.249    | 0.099      |
| 11CB0143  | 0.249    | 0.099      |
| 11CB0142  | 0.249    | 0.099      |
| 11CB0141  | 0.249    | 0.099      |
| 11CB0140  | 0.249    | 0.099      |
| 11CB0139  | 0.249    | 0.099      |
| 11CB0138  | 0.249    | 0.099      |
| 11CB0137  | 0.249    | 0.099      |
| 11CB0136  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0135  | 0.249    | 0.099      |
| 11CB0134  | 0.249    | 0.099      |
| 11CB0133  | 0.249    | 0.099      |
| 11CB0132  | 0.249    | 0.099      |
| 11CB0131  | 0.249    | 0.099      |
| 11CB0130  | 0.249    | 0.099      |
| 11CB0129  | 0.249    | 0.099      |
| 11CB0128  | 0.249    | 0.099      |
| 11CB0127  | 0.249    | 0.099      |
| 11CB0126  | 0.249    | 0.099      |
| 11CB0125  | 0.249    | 0.099      |
| 11CB0124  | 0.249    | 0.099      |
| 11CB0123  | 0.249    | 0.099      |
| 11CB0122  | 0.249    | 0.099      |
| 11CB0121  | 0.249    | 0.099      |
| 11CB0120  | 0.249    | 0.099      |
| 11CB0119  | 0.249    | 0.099      |
| 11CB0118  | 0.249    | 0.099      |
| 11CB0117  | 0.249    | 0.099      |
| 11CB0116  | 0.249    | 0.099      |
| 11CB0115  | 0.249    | 0.099      |
| 11CB0114  | 0.249    | 0.099      |
| 11CB0113  | 0.249    | 0.099      |
| 11CB0112  | 0.249    | 0.099      |
| 11CB0111  | 0.249    | 0.099      |
| 11CB0110  | 0.249    | 0.099      |
| 11CB0109  | 0.249    | 0.099      |
| 11CB0108  | 0.249    | 0.099      |
| 11CB0107  | 0.249    | 0.099      |
| 11CB0106  | 0.249    | 0.099      |
| 11CB0105  | 0.249    | 0.099      |
| 11CB0104  | 0.249    | 0.099      |
| 11CB0103  | 0.249    | 0.099      |
| 11CB0102  | 0.249    | 0.099      |
| 11CB0101  | 0.249    | 0.099      |
| 11CB0100  | 0.249    | 0.099      |
| 11CB0099  | 0.249    | 0.099      |
| 11CB0098  | 0.249    | 0.099      |
| 11CB0097  | 0.249    | 0.099      |
| 11CB0096  | 0.249    | 0.099      |
| 11CB0095  | 0.249    | 0.099      |
| 11CB0094  | 0.249    | 0.099      |
| 11CB0093  | 0.249    | 0.099      |
| 11CB0092  | 0.249    | 0.099      |
| 11CB0091  | 0.249    | 0.099      |
| 11CB0090  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0089  | 0.249    | 0.099      |
| 11CB0088  | 0.249    | 0.099      |
| 11CB0087  | 0.249    | 0.099      |
| 11CB0086  | 0.249    | 0.099      |
| 11CB0085  | 0.249    | 0.099      |
| 11CB0084  | 0.249    | 0.099      |
| 11CB0083  | 0.249    | 0.099      |
| 11CB0082  | 0.249    | 0.099      |
| 11CB0081  | 0.249    | 0.099      |
| 11CB0080  | 0.5      | 0.099      |
| 11CB0079  | 0.249    | 0.099      |
| 11CB0078  | 0.249    | 0.099      |
| 11CB0077  | 0.249    | 0.099      |
| 11CB0076  | 0.6      | 0.099      |
| 11CB0075  | 0.249    | 0.099      |
| 11CB0074  | 0.249    | 0.099      |
| 11CB0073  | 0.7      | 0.099      |
| 11CB0072  | 0.249    | 0.099      |
| 11CB0071  | 0.249    | 0.099      |
| 11CB0070  | 0.249    | 0.099      |
| 11CB0069  | 0.249    | 0.099      |
| 11CB0068  | 0.249    | 0.099      |
| 11CB0067  | 0.249    | 0.099      |
| 11CB0066  | 0.249    | 0.099      |
| 11CB0065  | 0.249    | 0.099      |
| 11CB0064  | 0.249    | 0.099      |
| 11CB0063  | 0.5      | 0.099      |
| 11CB0062  | 0.6      | 0.099      |
| 11CB0061  | 0.249    | 0.099      |
| 11CB0060  | 0.249    | 0.099      |
| 11CB0059  | 0.249    | 0.099      |
| 11CB0058  | 0.5      | 0.099      |
| 11CB0057  | 0.249    | 0.099      |
| 11CB0056  | 0.249    | 0.099      |
| 11CB0055  | 0.7      | 0.099      |
| 11CB0054  | 0.249    | 0.099      |
| 11CB0053  | 0.6      | 0.099      |
| 11CB0052  | 0.249    | 0.099      |
| 11CB0051  | 0.249    | 0.099      |
| 11CB0050  | 0.249    | 0.099      |
| 11CB0049  | 0.249    | 0.099      |
| 11CB0048  | 0.249    | 0.099      |
| 11CB0047  | 0.5      | 0.099      |
| 11CB0046  | 0.6      | 0.099      |
| 11CB0045  | 0.249    | 0.099      |
| 11CB0044  | 0.6      | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11CB0042  | 0.249    | 0.099      |
| 11CB0041  | 0.249    | 0.099      |
| 11CB0040  | 0.249    | 0.099      |
| 11CB0039  | 0.249    | 0.099      |
| 11CB0038  | 0.5      | 0.099      |
| 11CB0037  | 0.6      | 0.099      |
| 11CB0036  | 0.249    | 0.099      |
| 11CB0035  | 0.249    | 0.099      |
| 11CB0034  | 0.6      | 0.099      |
| 11CB0033  | 0.8      | 0.099      |
| 11CB0032  | 0.6      | 0.099      |
| 11CB0031  | 0.249    | 0.099      |
| 11CB0030  | 0.249    | 0.099      |
| 11CB0029  | 0.8      | 0.099      |
| 11CB0028  | 0.249    | 0.099      |
| 11CB0027  | 0.249    | 0.099      |
| 11CB0026  | 0.249    | 0.099      |
| 11CB0025  | 1        | 0.099      |
| 11CB0024  | 0.7      | 0.099      |
| 11CB0023  | 0.249    | 0.099      |
| 11CB0022  | 0.249    | 0.099      |
| 11CB0020  | 0.6      | 0.099      |
| 11CB0019  | 0.6      | 0.099      |
| 11CB0018  | 0.249    | 0.099      |
| 11CB0017  | 0.249    | 0.099      |
| 11CB0016  | 0.249    | 0.099      |
| 11CB0015  | 0.249    | 0.099      |
| 11CB0014  | 0.249    | 0.099      |
| 11CB0013  | 0.249    | 0.099      |
| 11CB0012  | 1.1      | 0.099      |
| 11CB0011  | 1.1      | 0.099      |
| 11CB0010  | 0.249    | 0.099      |
| 11CB0009  | 0.249    | 0.099      |
| 11CB0008  | 0.249    | 0.099      |
| 11CB0007  | 0.6      | 0.099      |
| 11CB0006  | 0.249    | 0.099      |
| 11CB0005  | 0.7      | 0.099      |
| 11CB0004  | 0.249    | 0.099      |
| 11CB0003  | 0.249    | 0.099      |
| 11CB0002  | 0.249    | 0.099      |
| 11CB0001  | 0.249    | 0.099      |
| 11BH0604  | 0.249    | 0.099      |
| 11BH0603  | 0.249    | 0.099      |
| 11BH0602  | 0.249    | 0.099      |
| 11BH0601  | 0.249    | 0.099      |
| 11BH0600  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11BH0599  | 0.249    | 0.099      |
| 11BH0598  | 0.249    | 0.099      |
| 11BH0597  | 0.249    | 0.099      |
| 11BH0596  | 0.249    | 0.099      |
| 11BH0595  | 0.8      | 0.099      |
| 11BH0594  | 0.249    | 0.099      |
| 11BH0593  | 0.249    | 0.099      |
| 11BH0592  | 0.249    | 0.099      |
| 11BH0591  | 0.249    | 0.099      |
| 11BH0590  | 0.249    | 0.099      |
| 11BH0589  | 0.249    | 0.099      |
| 11BH0588  | 0.249    | 0.099      |
| 11BH0587  | 0.249    | 0.099      |
| 11BH0586  | 0.249    | 0.099      |
| 11BH0585  | 0.249    | 0.099      |
| 11BH0584  | 0.249    | 0.099      |
| 11BH0583  | 0.249    | 0.099      |
| 11BH0582  | 0.249    | 0.099      |
| 11BH0581  | 0.249    | 0.099      |
| 11BH0580  | 0.249    | 0.099      |
| 11BH0579  | 0.249    | 0.099      |
| 11BH0578  | 0.249    | 0.099      |
| 11BH0577  | 0.249    | 0.099      |
| 11BH0576  | 0.249    | 0.3        |
| 11BH0575  | 0.249    | 0.099      |
| 11BH0489  | 0.249    | 0.099      |
| 11BH0488  | 0.249    | 0.099      |
| 11BH0487  | 0.249    | 0.099      |
| 11BH0486  | 0.249    | 0.099      |
| 11BH0485  | 0.249    | 0.099      |
| 11BH0484  | 0.249    | 0.099      |
| 11BH0483  | 0.249    | 0.099      |
| 11BH0482  | 0.249    | 0.099      |
| 11BH0481  | 0.249    | 0.099      |
| 11BH0480  | 0.249    | 0.099      |
| 11BH0479  | 0.249    | 0.099      |
| 11BH0478  | 0.249    | 0.099      |
| 11BH0477  | 0.249    | 0.099      |
| 11BH0476  | 0.249    | 0.099      |
| 11BH0475  | 0.249    | 0.099      |
| 11BH0474  | 0.249    | 0.099      |
| 11BH0473  | 0.249    | 0.099      |
| 11BH0472  | 0.249    | 0.099      |
| 11BH0471  | 0.249    | 0.099      |
| 11BH0470  | 0.249    | 0.099      |
| 11BH0469  | 0.249    | 0.099      |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11BH0468  | 0.249    | 0.099      |
| 11BH0467  | 0.6      | 0.099      |
| 11BH0466  | 0.5      | 0.5        |
| 11BH0465  | 1.1      | 0.4        |
| 11BH0464  | 0.249    | 0.099      |
| 11BH0463  | 0.8      | 0.099      |
| 11BH0462  | 0.7      | 0.099      |
| 11BH0461  | 0.6      | 0.099      |
| 11BH0460  | 0.249    | 0.099      |
| 11BH0459  | 1.1      | 0.099      |
| 11BH0458  | 0.7      | 0.4        |
| 11BH0457  | 0.9      | 0.099      |
| 11BH0456  | 1.1      | 0.099      |
| 11BH0455  | 0.6      | 0.099      |
| 11BH0454  | 0.8      | 0.099      |
| 11BH0453  | 1        | 0.6        |
| 11BH0452  | 0.7      | 0.099      |
| 11BH0451  | 0.249    | 0.099      |
| 11BH0450  | 0.249    | 0.4        |
| 11BH0449  | 0.249    | 0.099      |
| 11BH0448  | 0.249    | 0.099      |
| 11BH0447  | 0.249    | 0.099      |
| 11BH0446  | 0.249    | 0.099      |
| 11BH0445  | 0.6      | 0.099      |
| 11BH0444  | 0.6      | 0.099      |
| 11BH0443  | 0.249    | 0.099      |
| 11BH0442  | 0.249    | 0.099      |
| 11BH0441  | 0.249    | 0.099      |
| 11BH0440  | 0.249    | 0.099      |
| 11BH0439  | 0.249    | 0.099      |
| 11BH0438  | 0.249    | 0.3        |
| 11BH0437  | 0.249    | 0.099      |
| 11BH0436  | 0.249    | 0.099      |
| 11BH0435  | 0.249    | 0.099      |
| 11BH0434  | 0.249    | 0.099      |
| 11BH0433  | 0.249    | 0.099      |
| 11BH0432  | 0.249    | 0.099      |
| 11BH0431  | 0.249    | 0.099      |
| 11BH0430  | 0.249    | 0.099      |
| 11BH0429  | 0.249    | 0.099      |
| 11BH0428  | 0.249    | 0.3        |
| 11BH0427  | 0.249    | 0.099      |
| 11BH0426  | 0.249    | 0.099      |
| 11BH0425  | 0.249    | 0.3        |
| 11BH0424  | 0.249    | 0.099      |
| 11BH0423  | 1        | 1.1        |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11BH0422  | 0.249    | 0.099      |
| 11BH0421  | 0.249    | 0.099      |
| 11BH0420  | 0.6      | 0.099      |
| 11BH0419  | 0.249    | 0.099      |
| 11BH0418  | 0.249    | 0.099      |
| 11BH0417  | 0.249    | 0.3        |
| 11BH0416  | 0.5      | 0.099      |
| 11BH0415  | 0.249    | 0.099      |
| 11BH0414  | 0.249    | 0.099      |
| 11BH0413  | 0.249    | 0.099      |
| 11BH0412  | 0.249    | 0.099      |
| 11BH0411  | 0.249    | 0.6        |
| 11BH0410  | 0.5      | 0.099      |
| 11BH0409  | 0.249    | 1.1        |
| 11BH0408  | 0.249    | 0.099      |
| 11BH0407  | 0.5      | 0.3        |
| 11BH0406  | 0.249    | 0.099      |
| 11BH0405  | 0.249    | 0.099      |
| 11BH0404  | 0.249    | 0.099      |
| 11BH0403  | 0.249    | 0.099      |
| 11BH0402  | 0.5      | 0.099      |
| 11BH0401  | 0.249    | 0.099      |
| 11BH0400  | 0.249    | 0.099      |
| 11BH0399  | 0.249    | 0.099      |
| 11BH0398  | 0.249    | 0.099      |
| 11BH0397  | 0.6      | 0.099      |
| 11BH0396  | 0.249    | 0.099      |
| 11BH0395  | 0.249    | 0.099      |
| 11BH0394  | 0.249    | 0.099      |
| 11BH0393  | 0.6      | 0.099      |
| 11BH0392  | 0.249    | 0.099      |
| 11BH0391  | 0.249    | 0.099      |
| 11BH0390  | 0.249    | 0.099      |
| 11BH0389  | 0.249    | 0.099      |
| 11BH0388  | 0.249    | 0.6        |
| 11BH0387  | 0.249    | 0.099      |
| 11BH0386  | 0.8      | 0.099      |
| 11BH0385  | 0.6      | 0.099      |
| 11BH0384  | 0.249    | 0.099      |
| 11BH0383  | 0.249    | 0.099      |
| 11BH0382  | 0.249    | 0.5        |
| 11BH0381  | 0.7      | 0.099      |
| 11BH0380  | 0.6      | 0.099      |
| 11BH0379  | 0.249    | 0.099      |
| 11BH0378  | 0.8      | 0.2        |
| 11BH0377  | 0.7      | 0.2        |



| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11BH0376  | 0.249    | 0.099      |
| 11BH0375  | 0.249    | 0.099      |
| 11BH0374  | 0.5      | 0.099      |
| 11BH0373  | 0.6      | 0.099      |
| 11BH0372  | 0.5      | 0.099      |
| 11BH0371  | 0.249    | 0.099      |
| 11BH0370  | 0.249    | 0.099      |
| 11BH0369  | 0.249    | 0.099      |
| 11BH0368  | 0.249    | 0.099      |
| 11BH0367  | 0.249    | 0.099      |
| 11BH0366  | 0.249    | 0.099      |
| 11BH0365  | 0.249    | 0.099      |
| 11BH0364  | 0.249    | 0.099      |
| 11BH0363  | 0.7      | 0.099      |
| 11BH0362  | 0.8      | 0.099      |
| 11BH0361  | 0.249    | 0.099      |
| 11BH0360  | 0.249    | 0.099      |
| 11BH0359  | 0.249    | 0.099      |
| 11BH0358  | 0.249    | 0.099      |
| 11BH0357  | 0.5      | 0.099      |
| 11BH0356  | 0.249    | 0.099      |
| 11BH0355  | 0.249    | 0.099      |
| 11BH0354  | 0.249    | 0.099      |
| 11BH0353  | 0.249    | 0.099      |
| 11BH0352  | 0.249    | 0.099      |
| 11BH0351  | 0.249    | 0.099      |
| 11BH0350  | 0.249    | 0.099      |
| 11BH0349  | 0.249    | 0.099      |
| 11BH0348  | 0.249    | 0.099      |
| 11BH0347  | 0.249    | 0.099      |
| 11BH0346  | 0.249    | 0.099      |
| 11BH0345  | 0.249    | 0.099      |
| 11BH0344  | 0.249    | 0.5        |
| 11BH0343  | 0.8      | 0.2        |
| 11BH0342  | 0.249    | 0.099      |
| 11BH0341  | 0.249    | 0.099      |
| 11BH0340  | 0.249    | 0.099      |
| 11BH0339  | 0.249    | 0.099      |
| 11BH0338  | 0.249    | 0.099      |
| 11BH0337  | 0.249    | 0.099      |
| 11BH0336  | 0.249    | 0.099      |
| 11BH0335  | 0.249    | 0.099      |
| 11AN0582  | 0.249    | 0.099      |
| 11AN0580  | 0.249    | 0.5        |
| 11AN0579  | 0.5      | 0.099      |
| 11AN0578  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11AN0577  | 0.249    | 0.099      |
| 11AN0576  | 1.2      | 0.099      |
| 11AN0575  | 0.6      | 0.099      |
| 11AN0574  | 0.249    | 0.099      |
| 11AN0573  | 0.249    | 0.099      |
| 11AN0572  | 0.7      | 0.099      |
| 11AN0571  | 0.249    | 0.099      |
| 11AN0570  | 0.249    | 0.099      |
| 11AN0569  | 0.6      | 0.099      |
| 11AN0568  | 0.6      | 0.099      |
| 11AN0567  | 0.249    | 0.099      |
| 11AN0566  | 0.6      | 0.099      |
| 11AN0565  | 0.9      | 0.099      |
| 11AN0564  | 0.249    | 0.099      |
| 11AN0563  | 0.7      | 0.099      |
| 11AN0562  | 0.249    | 0.099      |
| 11AN0560  | 0.249    | 0.099      |
| 11AN0559  | 0.249    | 0.099      |
| 11AN0558  | 0.249    | 0.099      |
| 11AN0557  | 0.249    | 0.099      |
| 11AN0556  | 0.6      | 0.099      |
| 11AN0555  | 0.249    | 0.099      |
| 11AN0554  | 0.5      | 0.099      |
| 11AN0553  | 0.6      | 0.099      |
| 11AN0552  | 1.8      | 0.099      |
| 11AN0551  | 1.1      | 0.099      |
| 11AN0550  | 0.6      | 0.099      |
| 11AN0549  | 0.8      | 0.099      |
| 11AN0548  | 0.249    | 0.099      |
| 11AN0547  | 0.249    | 0.099      |
| 11AN0546  | 0.249    | 0.099      |
| 11AN0545  | 0.249    | 0.099      |
| 11AN0544  | 0.249    | 0.099      |
| 11AN0543  | 0.249    | 0.099      |
| 11AN0542  | 0.249    | 0.099      |
| 11AN0541  | 0.249    | 0.099      |
| 11AN0540  | 0.249    | 0.099      |
| 11AN0539  | 0.249    | 0.099      |
| 11AN0538  | 0.249    | 0.099      |
| 11AN0537  | 0.249    | 0.099      |
| 11AN0536  | 0.249    | 0.099      |
| 11AN0535  | 0.249    | 0.099      |
| 11AN0534  | 0.249    | 0.099      |
| 11AN0533  | 0.249    | 0.099      |
| 11AN0532  | 0.249    | 0.099      |
| 11AN0531  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11AN0530  | 0.249    | 0.099      |
| 11AN0529  | 0.249    | 0.099      |
| 11AN0528  | 0.249    | 0.099      |
| 11AN0527  | 0.249    | 0.099      |
| 11AN0526  | 0.249    | 0.099      |
| 11AN0525  | 0.249    | 0.099      |
| 11AN0524  | 0.249    | 0.099      |
| 11AN0523  | 0.249    | 0.099      |
| 11AN0522  | 0.9      | 0.099      |
| 11AN0520  | 0.7      | 0.099      |
| 11AN0519  | 0.9      | 0.099      |
| 11AN0518  | 0.249    | 0.099      |
| 11AN0517  | 1        | 0.099      |
| 11AN0516  | 0.9      | 0.099      |
| 11AN0515  | 0.9      | 0.099      |
| 11AN0514  | 0.8      | 0.099      |
| 11AN0513  | 0.6      | 0.099      |
| 11AN0512  | 1        | 0.099      |
| 11AN0511  | 0.7      | 0.099      |
| 11AN0510  | 0.9      | 0.099      |
| 11AN0509  | 0.8      | 0.099      |
| 11AN0508  | 0.6      | 0.099      |
| 11AN0507  | 0.7      | 0.099      |
| 11AN0506  | 0.8      | 0.099      |
| 11AN0505  | 1.1      | 0.099      |
| 11AN0504  | 0.7      | 0.099      |
| 11AN0503  | 0.249    | 0.099      |
| 11AN0502  | 0.7      | 0.099      |
| 11AN0501  | 0.6      | 0.099      |
| 11AN0500  | 0.8      | 0.099      |
| 11AN0498  | 0.8      | 0.099      |
| 11AN0497  | 0.249    | 0.099      |
| 11AN0496  | 0.6      | 0.099      |
| 11AN0495  | 0.249    | 0.099      |
| 11AN0494  | 0.249    | 0.099      |
| 11AN0493  | 0.249    | 0.099      |
| 11AN0492  | 0.8      | 0.099      |
| 11AN0491  | 0.9      | 0.099      |
| 11AN0490  | 1.8      | 0.099      |
| 11AN0489  | 0.9      | 0.099      |
| 11AN0488  | 0.5      | 0.099      |
| 11AN0487  | 0.249    | 0.099      |
| 11AN0486  | 0.249    | 0.099      |
| 11AN0485  | 0.249    | 0.099      |
| 11AN0484  | 0.249    | 0.099      |
| 11AN0483  | 0.249    | 0.099      |

| Sample No | Se_ppm_0 | Te_ppm_0_2 |
|-----------|----------|------------|
| 11AN0482  | 0.249    | 0.099      |
| 11AN0480  | 0.249    | 0.099      |
| 11AN0479  | 0.249    | 0.099      |
| 11AN0478  | 0.249    | 0.099      |
| 11AN0477  | 0.249    | 0.099      |
| 11AN0476  | 0.249    | 0.099      |
| 11AN0475  | 0.249    | 0.099      |
| 11AN0474  | 0.249    | 0.099      |
| 11AN0473  | 0.249    | 0.099      |
| 11AN0472  | 0.249    | 0.099      |
| 11AN0471  | 0.249    | 0.099      |
| 11AN0470  | 0.249    | 0.099      |
| 11AN0469  | 0.249    | 0.099      |
| 11AN0468  | 0.249    | 0.099      |
| 11AN0467  | 0.249    | 0.099      |
| 11AN0466  | 0.249    | 0.099      |
| 11AN0465  | 0.249    | 0.099      |
| 11AN0464  | 0.249    | 0.099      |
| 11AN0463  | 0.249    | 0.099      |
| 11AN0462  | 0.249    | 0.099      |
| 11AN0461  | 0.249    | 0.099      |
| 11AN0460  | 0.249    | 0.099      |
| 11AN0458  | 0.249    | 0.099      |
| 11AN0457  | 0.249    | 0.099      |
| 11AN0456  | 0.249    | 0.099      |
| 11AN0454  | 0.249    | 0.099      |
| 11AN0453  | 0.249    | 0.099      |
| 11AN0452  | 0.249    | 0.099      |
| 11AN0451  | 0.249    | 0.099      |
| 11AN0450  | 0.249    | 0.099      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|---------|------------|-----------|----------|-----------|-----------|
| 11GR0001A | Alberta Creek | 636552 | 6986999 | WHI11001444-001 | 0.86    | 20.47    | 4.64     | 35.5     | 89       | 14.3      | 11.2      | 8.8      | 2044    | 1.78       | 4.3       | 1.1      | 14.3      | 0.8       |
| 11GR0002A | Alberta Creek | 636498 | 6987003 | WHI11001444-002 | 0.49    | 25       | 4.43     | 39.2     | 107      | 9.2       | 10.4      | 6.6      | 1050    | 1.44       | 2.8       | 2        | 9.2       | 0.5       |
| 11GR0005A | Alberta Creek | 636200 | 6986998 | WHI11001444-003 | 0.49    | 22.21    | 6.82     | 70.5     | 99       | 20        | 14.8      | 8.3      | 536     | 2.31       | 4         | 1.1      | 20        | 1.6       |
| 11GR0006A | Alberta Creek | 636154 | 6986901 | WHI11001444-004 | 0.48    | 19.54    | 6.24     | 40.5     | 113      | 70.1      | 10.5      | 5        | 380     | 1.57       | 2.7       | 0.9      | 70.1      | 1.1       |
| 11GR0007A | Alberta Creek | 636200 | 6986900 | WHI11001444-005 | 0.4     | 24.88    | 3.36     | 19.2     | 162      | 45.7      | 6.3       | 3.1      | 137     | 1.09       | 1.4       | 1.2      | 45.7      | 0.4       |
| 11GR0010A | Alberta Creek | 636351 | 6986895 | WHI11001444-006 | 0.79    | 48.16    | 5.05     | 38.7     | 232      | 17.9      | 12.7      | 7.6      | 1769    | 1.69       | 2.6       | 2.5      | 17.9      | 0.7       |
| 11GR0011A | Alberta Creek | 636393 | 6986899 | WHI11001444-007 | 0.47    | 22.46    | 6.9      | 50       | 128      | 18.5      | 12.8      | 7.8      | 511     | 2.02       | 3.6       | 1.2      | 18.5      | 1.2       |
| 11GR0012A | Alberta Creek | 636445 | 6986896 | WHI11001444-008 | 0.42    | 25.98    | 1.86     | 37.3     | 101      | 12.2      | 8         | 3.1      | 553     | 0.74       | 1.1       | 1        | 12.2      | 0.3       |
| 11GR0013A | Alberta Creek | 636500 | 6986900 | WHI11001444-009 | 0.38    | 19.8     | 3.37     | 36.5     | 94       | 10.3      | 9.7       | 5.6      | 630     | 1.45       | 1.9       | 1.4      | 10.3      | 0.5       |
| 11GR0014A | Alberta Creek | 636548 | 6986903 | WHI11001444-010 | 0.92    | 13.1     | 3.8      | 32.2     | 71       | 7.9       | 8         | 13.2     | 1835    | 2.12       | 6.6       | 0.7      | 7.9       | 0.4       |
| 11GR0015A | Alberta Creek | 636605 | 6986802 | WHI11001444-011 | 0.7     | 19.41    | 4.19     | 34.6     | 80       | 10.9      | 11.3      | 5.9      | 880     | 1.55       | 2.8       | 0.8      | 10.9      | 0.5       |
| 11GR0016A | Alberta Creek | 636549 | 6986795 | WHI11001444-012 | 0.77    | 28.32    | 4.7      | 39.1     | 94       | 22.8      | 15.3      | 7.5      | 1885    | 1.87       | 2.8       | 1.9      | 22.8      | 0.8       |
| 11GR0017A | Alberta Creek | 636498 | 6986797 | WHI11001444-013 | 0.47    | 31.4     | 2.65     | 16.7     | 113      | 20.9      | 11.9      | 5.4      | 1141    | 0.97       | 1.4       | 4.7      | 20.9      | 0.7       |
| 11GR0018A | Alberta Creek | 636449 | 6986794 | WHI11001444-014 | 0.15    | 21.93    | 6.1      | 57.2     | 101      | 24        | 15.3      | 7        | 243     | 1.87       | 2.1       | 2        | 24        | 3         |
| 11GR0030A | Alberta Creek | 636503 | 6986705 | WHI11001444-027 | 0.36    | 30.34    | 2.88     | 17.5     | 116      | 15.4      | 13.2      | 5.1      | 822     | 1.04       | 2         | 3.4      | 15.4      | 0.7       |
| 11GR0031A | Alberta Creek | 636545 | 6986697 | WHI11001444-015 | 0.7     | 20.74    | 5.85     | 43       | 100      | 10.7      | 11.7      | 9.1      | 1716    | 2.24       | 4.7       | 1.4      | 10.7      | 1.1       |
| 11GR0032A | Alberta Creek | 636601 | 6986702 | WHI11001444-016 | 1.13    | 20.29    | 3.57     | 38.6     | 81       | 8         | 12        | 11.5     | 2653    | 1.64       | 4.3       | 0.7      | 8         | 0.6       |
| 11GR0033A | Alberta Creek | 636599 | 6986599 | WHI11001444-017 | 0.8     | 24.52    | 2.34     | 18.1     | 126      | 9.6       | 11.9      | 4.6      | 829     | 0.97       | 1.9       | 0.7      | 9.6       | 0.5       |
| 11GR0034A | Alberta Creek | 636600 | 6986552 | WHI11001444-018 | 0.63    | 21.94    | 4.67     | 27.6     | 138      | 19.4      | 12.9      | 5        | 344     | 1.54       | 2.1       | 0.9      | 19.4      | 0.6       |
| 11GR0036A | Alberta Creek | 636602 | 6986447 | WHI11001444-019 | 0.64    | 20.28    | 5.77     | 59.5     | 66       | 5.2       | 14.8      | 9.9      | 728     | 2.21       | 4         | 0.8      | 5.2       | 1.6       |
| 11GR0037A | Alberta Creek | 636595 | 6986396 | WHI11001444-020 | 0.84    | 24.84    | 4.13     | 35.8     | 103      | 7         | 15.1      | 9.5      | 1231    | 1.72       | 2.7       | 0.8      | 7         | 0.7       |
| 11GR0039A | Alberta Creek | 636553 | 6986599 | WHI11001444-021 | 0.5     | 14.99    | 4.3      | 37.3     | 76       | 8.1       | 9.9       | 5.3      | 316     | 1.56       | 2.1       | 0.6      | 8.1       | 1         |
| 11GR0049A | Alberta Creek | 636498 | 6986498 | WHI11001444-022 | 0.5     | 31.23    | 3.81     | 26.5     | 186      | 22.3      | 15.3      | 3.9      | 205     | 1.37       | 1.6       | 0.8      | 22.3      | 1         |
| 11GR0051A | Alberta Creek | 636553 | 6986504 | WHI11001444-023 | 0.53    | 37.06    | 5.21     | 38.8     | 140      | 10.7      | 26.2      | 8.7      | 601     | 2.39       | 3.4       | 1.3      | 10.7      | 1.8       |
| 11GR0053A | Alberta Creek | 636650 | 6986498 | WHI11001444-024 | 1.51    | 21.46    | 3.63     | 21.5     | 141      | 9.2       | 11.7      | 6.2      | 1104    | 1.15       | 2.1       | 0.7      | 9.2       | 0.3       |
| 11GR0054A | Alberta Creek | 636704 | 6986455 | WHI11001444-025 | 0.49    | 18.36    | 2.78     | 23.1     | 71       | 3.6       | 9.4       | 3.9      | 280     | 1.2        | 2.7       | 1.6      | 3.6       | 0.3       |
| 11GR0055A | Alberta Creek | 636694 | 6986412 | WHI11001444-026 | 0.44    | 17.38    | 2.47     | 15.4     | 79       | 6.2       | 6.6       | 3.3      | 322     | 0.83       | 2.3       | 1        | 6.2       | 0.2       |
| 11JM0672A | Alberta Creek | 635499 | 6987996 | WHI11001434-001 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100    | -100       | -100      | -100     | -100      | -100      |
| 11JM0673A | Alberta Creek | 635498 | 6988046 | WHI11001434-002 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100    | -100       | -100      | -100     | -100      | -100      |
| 11JM0674A | Alberta Creek | 635498 | 6988079 | WHI11001434-003 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100    | -100       | -100      | -100     | -100      | -100      |
| 11JM0675A | Alberta Creek | 635402 | 6988047 | WHI11001434-004 | 1.31    | 16.67    | 4.8      | 80.7     | 43       | 3.1       | 16.9      | 9.2      | 893     | 2.12       | 2.2       | 0.7      | 3.1       | 0.8       |
| 11JM0676A | Alberta Creek | 635404 | 6988002 | WHI11001434-005 | 1.23    | 17.74    | 4.26     | 58.3     | 73       | 4.5       | 18.3      | 8.8      | 1318    | 1.87       | 2.6       | 0.6      | 4.5       | 0.7       |
| 11JM0677A | Alberta Creek | 635400 | 6987949 | WHI11001434-006 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100    | -100       | -100      | -100     | -100      | -100      |
| 11AN0583a | Alberta Creek | 633664 | 6987879 | WHI11001851-045 | 1.67    | 30.87    | 6.61     | 52.3     | 99       | 2.5       | 17.2      | 8.3      | 554     | 1.87       | 4         | 1.1      | 2.5       | 0.5       |
| 11AN0584a | Alberta Creek | 633662 | 6987929 | WHI11001851-046 | 1.12    | 23.56    | 3.06     | 42       | 65       | 0.099     | 16.8      | 5.6      | 833     | 1.02       | 2.9       | 0.9      | 0.099     | 0.3       |
| 11AN0585a | Alberta Creek | 633660 | 6987979 | WHI11001851-047 | 2.52    | 13.63    | 1.9      | 50.5     | 64       | 1.6       | 6.3       | 2.4      | 207     | 0.58       | 1.5       | 0.3      | 1.6       | 0.2       |
| 11AN0586a | Alberta Creek | 633657 | 6988029 | WHI11001851-048 | 1.77    | 7.77     | 4.82     | 23.9     | 58       | 10.6      | 4         | 2        | 62      | 1.08       | 2         | 0.2      | 10.6      | 0.7       |
| 11AN0587a | Alberta Creek | 633655 | 6988079 | WHI11001851-049 | 0.76    | 8.59     | 5.6      | 17.1     | 116      | 1.1       | 4.6       | 1.7      | 53      | 0.96       | 2.4       | 0.3      | 1.1       | 0.3       |
| 11AN0588a | Alberta Creek | 633653 | 6988129 | WHI11001851-050 | 0.98    | 8.37     | 3.91     | 24.8     | 137      | 0.5       | 4.6       | 2.3      | 140     | 0.99       | 2         | 0.3      | 0.5       | 0.2       |
| 11AN0589a | Alberta Creek | 633651 | 6988179 | WHI11001851-051 | 0.6     | 16.43    | 1.74     | 14.3     | 138      | 1.7       | 4.3       | 1.3      | 34      | 0.62       | 1.1       | 0.5      | 1.7       | 0.5       |
| 11AN0590a | Alberta Creek | 633751 | 6988183 | WHI11001851-052 | 0.64    | 8.77     | 5.28     | 56.3     | 199      | 1.1       | 5.7       | 3.6      | 391     | 1.31       | 2.8       | 0.2      | 1.1       | 0.2       |
| 11AN0591a | Alberta Creek | 633753 | 6988133 | WHI11001851-053 | 0.38    | 12.57    | 5.74     | 12.7     | 169      | 1         | 4.7       | 1.7      | 27      | 0.73       | 1.2       | 0.7      | 1         | 0.049     |
| 11AN0592a | Alberta Creek | 633753 | 6988083 | WHI11001851-054 | 1.67    | 5.77     | 3.43     | 53.3     | 165      | 2         | 3.5       | 2.9      | 141     | 1.1        | 1.2       | 0.2      | 2         | 0.2       |
| 11AN0593a | Alberta Creek | 633757 | 6988033 | WHI11001851-055 | 4.56    | 20.44    | 6.76     | 106.7    | 202      | 0.9       | 8.4       | 8        | 1877    | 1.59       | 2.8       | 0.3      | 0.9       | 0.4       |
| 11AN0594a | Alberta Creek | 633759 | 6987983 | WHI11001851-056 | 1.08    | 15.55    | 5.2      | 91.9     | 53       | 1         | 13.3      | 9        | 495     | 2.36       | 3.7       | 0.5      | 1         | 0.8       |
| 11AN0595a | Alberta Creek | 633761 | 6987933 | WHI11001851-057 | 1.17    | 19.65    | 3.81     | 72.5     | 56       | 6.1       | 12.3      | 5.4      | 370     | 1.1        | 2.3       | 0.7      | 6.1       | 0.3       |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11AN0596a | Alberta Creek | 633763 | 6987883 | WHI11001851-058 | 3.68    | 24.77    | 5.98     | 47.5     | 60       | 2.5      | 13.4     | 6.5      | 427     | 1.54       | 3.7      | 1.3     | 2.5      | 0.4      |
| 11AN0597a | Alberta Creek | 633874 | 6987638 | WHI11001851-059 | 0.92    | 31.97    | 4.25     | 32.4     | 355      | 1        | 14.6     | 6.1      | 339     | 1.35       | 2        | 0.7     | 1        | 0.3      |
| 11AN0598a | Alberta Creek | 633872 | 6987688 | WHI11001851-060 | 0.92    | 32.35    | 1.53     | 43.1     | 91       | 2.1      | 12.5     | 2.4      | 457     | 0.23       | 1.1      | 1.2     | 2.1      | 0.049    |
| 11AN0599a | Alberta Creek | 633870 | 6987738 | WHI11001851-061 | 1.84    | 30.99    | 1.84     | 11.4     | 108      | 1.6      | 11.1     | 6.8      | 861     | 0.75       | 2.2      | 2.3     | 1.6      | 0.049    |
| 11AN0600a | Alberta Creek | 633868 | 6987788 | WHI11001851-062 | 2.72    | 30.21    | 1.39     | 85.9     | 118      | 1.8      | 16.5     | 3.7      | 1653    | 0.32       | 1.4      | 0.7     | 1.8      | 0.049    |
| 11AN0602a | Alberta Creek | 633866 | 6987838 | WHI11001851-064 | 1.9     | 25.56    | 5.08     | 62.2     | 62       | 2        | 13.5     | 5.1      | 487     | 1.17       | 3.2      | 0.8     | 2        | 0.3      |
| 11AN0603a | Alberta Creek | 633863 | 6987888 | WHI11001851-065 | 1.23    | 26.27    | 4.13     | 41.2     | 71       | 3.6      | 12.5     | 5.5      | 375     | 1.22       | 2.9      | 0.7     | 3.6      | 0.3      |
| 11AN0604a | Alberta Creek | 633861 | 6987938 | WHI11001851-066 | 1.35    | 17.01    | 5.47     | 64       | 47       | 4.9      | 15.2     | 7.6      | 433     | 1.7        | 3.1      | 0.8     | 4.9      | 0.9      |
| 11CB1279a | Alberta Creek | 633473 | 6987671 | WHI11001851-002 | 20.07   | 37.61    | 3.03     | 26.1     | 347      | 6.4      | 15.9     | 14       | 3279    | 1.29       | 3.8      | 0.3     | 6.4      | 0.2      |
| 11CB1280a | Alberta Creek | 633471 | 6987720 | WHI11001851-003 | 23.74   | 44.99    | 5.94     | 28.7     | 368      | 9.4      | 21       | 18.4     | 2693    | 1.82       | 5.8      | 0.4     | 9.4      | 0.3      |
| 11CB1282a | Alberta Creek | 633467 | 6987773 | WHI11001851-005 | 12.49   | 31.78    | 1.48     | 21.4     | 188      | 3.2      | 14.2     | 5.9      | 2213    | 0.44       | 1.3      | 0.2     | 3.2      | 0.1      |
| 11CB1283a | Alberta Creek | 633463 | 6987821 | WHI11001851-006 | 12.23   | 30.81    | 1.75     | 19.8     | 186      | 5.8      | 13.8     | 6.3      | 2299    | 0.58       | 1.3      | 0.2     | 5.8      | 0.1      |
| 11CB1284a | Alberta Creek | 633463 | 6987867 | WHI11001851-007 | 21.47   | 43.16    | 7.34     | 21.2     | 293      | 9.3      | 18.5     | 9.4      | 708     | 1.54       | 3.9      | 0.4     | 9.3      | 0.4      |
| 11CB1285a | Alberta Creek | 633457 | 6987918 | WHI11001851-008 | 17.43   | 44.52    | 2.52     | 14       | 352      | 5.1      | 19       | 14.4     | 1726    | 1.48       | 3.9      | 0.3     | 5.1      | 0.2      |
| 11CB1286a | Alberta Creek | 633454 | 6987969 | WHI11001851-009 | 22.04   | 40.37    | 2.39     | 17.8     | 383      | 4.7      | 17.2     | 17.2     | 2747    | 1.38       | 3.6      | 0.3     | 4.7      | 0.2      |
| 11CB1287a | Alberta Creek | 633456 | 6988019 | WHI11001851-010 | 7.63    | 36.52    | 2.14     | 14.7     | 372      | 3.1      | 15.8     | 15.8     | 1295    | 1.33       | 3.7      | 0.3     | 3.1      | 0.2      |
| 11CB1288a | Alberta Creek | 633456 | 6988071 | WHI11001851-011 | 7.66    | 42.47    | 2.94     | 18       | 403      | 4.4      | 18.2     | 12.5     | 1300    | 1.26       | 3.2      | 0.4     | 4.4      | 0.2      |
| 11CB1289a | Alberta Creek | 633453 | 6988121 | WHI11001851-012 | 26.74   | 43.18    | 4.15     | 19.4     | 419      | 6.1      | 20.4     | 20.2     | 3190    | 1.69       | 4.7      | 0.4     | 6.1      | 0.3      |
| 11CB1290a | Alberta Creek | 633451 | 6988171 | WHI11001851-013 | 16.9    | 45.17    | 4.53     | 22.7     | 330      | 6.5      | 19.6     | 15.1     | 1611    | 1.57       | 4.7      | 0.3     | 6.5      | 0.2      |
| 11CB1291a | Alberta Creek | 633567 | 6987724 | WHI11001851-014 | 22.86   | 47.37    | 4.27     | 18       | 422      | 6.7      | 22.1     | 18.2     | 1980    | 1.92       | 4.3      | 0.4     | 6.7      | 0.3      |
| 11CB1292a | Alberta Creek | 633565 | 6987772 | WHI11001851-015 | 3.3     | 25.97    | 3.09     | 48.9     | 77       | 1.9      | 19       | 6.2      | 929     | 1.01       | 1.9      | 0.5     | 1.9      | 0.2      |
| 11CB1293a | Alberta Creek | 633565 | 6987825 | WHI11001851-016 | 3.53    | 26.15    | 3.53     | 51.4     | 77       | 1.4      | 19.3     | 7        | 1218    | 1.09       | 2        | 0.5     | 1.4      | 0.2      |
| 11CB1294a | Alberta Creek | 633565 | 6987870 | WHI11001851-017 | 1.68    | 16.49    | 2.49     | 38       | 58       | 1.4      | 9.7      | 6        | 1554    | 0.72       | 2.9      | 0.4     | 1.4      | 0.1      |
| 11CB1295a | Alberta Creek | 633561 | 6987925 | WHI11001851-018 | 2.41    | 18.79    | 3.22     | 39.2     | 93       | 1.9      | 13.2     | 10.4     | 2132    | 1.14       | 4.2      | 0.5     | 1.9      | 0.2      |
| 11CB1296a | Alberta Creek | 633557 | 6987971 | WHI11001851-019 | 1.61    | 18.53    | 3.14     | 41.7     | 70       | 1.8      | 10       | 4.8      | 1481    | 0.91       | 2.9      | 0.5     | 1.8      | 0.3      |
| 11CB1297a | Alberta Creek | 633557 | 6988025 | WHI11001851-020 | 1.65    | 20.3     | 3.52     | 43.9     | 79       | 1.8      | 11.4     | 5.3      | 1500    | 1.04       | 3.4      | 0.6     | 1.8      | 0.3      |
| 11CB1298a | Alberta Creek | 633550 | 6988076 | WHI11001851-021 | 1.26    | 16.72    | 5.57     | 53.4     | 109      | 1.8      | 10.6     | 7.1      | 703     | 1.62       | 3.1      | 0.6     | 1.8      | 0.6      |
| 11CB1299a | Alberta Creek | 633553 | 6988125 | WHI11001851-022 | 1.22    | 16.24    | 5.09     | 52       | 109      | 0.8      | 10.1     | 6.9      | 661     | 1.55       | 2.9      | 0.5     | 0.8      | 0.6      |
| 11CB1300a | Alberta Creek | 633551 | 6988175 | WHI11001851-023 | 1.21    | 16.47    | 5.28     | 50.8     | 97       | 1.3      | 10.2     | 7.3      | 656     | 1.62       | 3        | 0.5     | 1.3      | 0.7      |
| 11CB1315a | Alberta Creek | 633476 | 6987620 | WHI11001851-038 | 7.58    | 85.26    | 5.09     | 77.7     | 177      | 12       | 42.8     | 17.5     | 705     | 2.73       | 2.6      | 0.7     | 12       | 0.8      |
| 11AN0605a | Alberta Creek | 633976 | 6987592 | WHI11001851-067 | 1.06    | 23.25    | 4.32     | 22.8     | 105      | 1.2      | 10.1     | 5.4      | 884     | 0.93       | 2        | 0.5     | 1.2      | 0.2      |
| 11AN0606a | Alberta Creek | 633974 | 6987642 | WHI11001851-068 | 0.82    | 20.8     | 1.93     | 68.6     | 62       | 1.8      | 7.7      | 2.1      | 782     | 0.22       | 1.2      | 1.2     | 1.8      | 0.049    |
| 11AN0607a | Alberta Creek | 633972 | 6987692 | WHI11001851-069 | 1.27    | 21.33    | 5.4      | 55.5     | 83       | 3.3      | 17       | 8.1      | 804     | 1.65       | 3.9      | 0.5     | 3.3      | 0.5      |
| 11AN0608a | Alberta Creek | 633970 | 6987742 | WHI11001851-070 | 0.94    | 24.84    | 5.14     | 79.7     | 85       | 1.5      | 12.6     | 6        | 871     | 1.29       | 3.5      | 0.5     | 1.5      | 0.3      |
| 11AN0609a | Alberta Creek | 633968 | 6987792 | WHI11001851-071 | 1.18    | 23.65    | 6.97     | 64       | 88       | 2.6      | 15.9     | 7.9      | 524     | 1.7        | 4.3      | 0.9     | 2.6      | 0.6      |
| 11AN0610a | Alberta Creek | 633965 | 6987842 | WHI11001851-072 | 0.59    | 28.2     | 6.86     | 66.1     | 84       | 3.3      | 19       | 7.4      | 198     | 1.95       | 3.1      | 1.4     | 3.3      | 1        |
| 11AN0611a | Alberta Creek | 633963 | 6987892 | WHI11001851-073 | 2.38    | 26.58    | 5.76     | 59.9     | 83       | 2.2      | 20.1     | 10.4     | 4332    | 1.96       | 4.6      | 1.3     | 2.2      | 0.7      |
| 11AN0612a | Alberta Creek | 633961 | 6987942 | WHI11001851-074 | 1.26    | 20.53    | 4.32     | 73.9     | 63       | 1.8      | 15.4     | 7.6      | 1334    | 1.6        | 3.2      | 0.6     | 1.8      | 0.5      |
| 11AN0613a | Alberta Creek | 633959 | 6987992 | WHI11001851-075 | 2.52    | 12.82    | 4.11     | 69       | 46       | 1.2      | 7.2      | 7        | 465     | 2.15       | 2.2      | 0.7     | 1.2      | 0.9      |
| 11AN0614a | Alberta Creek | 633957 | 6988042 | WHI11001851-076 | 4.61    | 31.63    | 2.45     | 30.8     | 75       | 0.9      | 12.3     | 5.6      | 3055    | 1.21       | 2.4      | 0.8     | 0.9      | 0.4      |
| 11AN0615a | Alberta Creek | 633955 | 6988092 | WHI11001851-077 | 0.9     | 18.1     | 3.74     | 33.8     | 233      | 1.7      | 9.4      | 5.4      | 248     | 1.76       | 2.1      | 1.2     | 1.7      | 0.9      |
| 11AN0616a | Alberta Creek | 633953 | 6988142 | WHI11001851-078 | 0.75    | 12.45    | 6.87     | 44.4     | 384      | 2        | 8.5      | 7.2      | 604     | 2.03       | 2.4      | 0.5     | 2        | 0.9      |
| 11AN0617a | Alberta Creek | 633951 | 6988192 | WHI11001851-079 | 0.85    | 17.16    | 8.1      | 58.3     | 298      | 3.8      | 14.7     | 9        | 332     | 2.88       | 4.3      | 1.1     | 3.8      | 2.3      |
| 11AN0618a | Alberta Creek | 633851 | 6988187 | WHI11001851-080 | 0.61    | 8.63     | 6.16     | 57.5     | 71       | 1        | 9.9      | 10.4     | 966     | 2.56       | 2.4      | 0.4     | 1        | 1.7      |
| 11AN0619a | Alberta Creek | 633853 | 6988137 | WHI11001851-081 | 1.65    | 13.99    | 6.72     | 38.4     | 651      | 2.2      | 9.5      | 11       | 1160    | 1.72       | 2.3      | 1.1     | 2.2      | 0.7      |
| 11AN0620a | Alberta Creek | 633855 | 6988087 | WHI11001851-082 | 1.36    | 14.11    | 3.47     | 40.1     | 175      | 0.8      | 5.4      | 3.3      | 1403    | 1.07       | 1.9      | 0.2     | 0.8      | 0.2      |



| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|---------|----------|----------|
| 11AN0622a | Alberta Creek | 633857 | 6988037 | WHI11001851-084 | 1.12    | 20.75    | 6.07     | 49.9     | 107      | 1.4      | 12       | 7.2      | 275      | 2.37       | 3.4      | 0.6     | 1.4      | 1.4      |
| 11AN0623a | Alberta Creek | 633859 | 6987987 | WHI11001851-085 | 1.18    | 20.03    | 6.28     | 66       | 81       | 1.8      | 18.1     | 9.6      | 463      | 2.13       | 3.9      | 0.8     | 1.8      | 0.9      |
| 11CB1302a | Alberta Creek | 633376 | 6987567 | WHI11001851-025 | 7.41    | 77.28    | 4.68     | 66.8     | 144      | 7.8      | 41.5     | 15.7     | 588      | 2.67       | 2.7      | 0.6     | 7.8      | 0.8      |
| 11CB1303a | Alberta Creek | 633374 | 6987617 | WHI11001851-026 | 6.99    | 77.64    | 4.57     | 68.6     | 152      | 6.7      | 40.9     | 15.3     | 544      | 2.75       | 2.7      | 0.6     | 6.7      | 0.8      |
| 11CB1304a | Alberta Creek | 633372 | 6987667 | WHI11001851-027 | 6.87    | 61.82    | 4.04     | 68.2     | 113      | 8.6      | 38.2     | 14.2     | 459      | 2.62       | 2.4      | 0.5     | 8.6      | 0.8      |
| 11CB1305a | Alberta Creek | 633370 | 6987717 | WHI11001851-028 | 7.99    | 76.92    | 4.5      | 69.9     | 151      | 11.8     | 42.7     | 15.9     | 561      | 2.83       | 3        | 0.6     | 11.8     | 0.8      |
| 11CB1306a | Alberta Creek | 633368 | 6987767 | WHI11001851-029 | 6.49    | 69.21    | 4.15     | 60.6     | 131      | 8        | 36.7     | 14.1     | 500      | 2.44       | 2.5      | 0.6     | 8        | 0.7      |
| 11CB1307a | Alberta Creek | 633366 | 6987817 | WHI11001851-030 | 6.39    | 70.57    | 4.28     | 56.7     | 136      | 6.2      | 35.8     | 13.4     | 518      | 2.35       | 2.4      | 0.6     | 6.2      | 0.6      |
| 11CB1308a | Alberta Creek | 633363 | 6987867 | WHI11001851-031 | 7.49    | 79.19    | 4.6      | 66.7     | 151      | 6.8      | 41.4     | 15.6     | 611      | 2.68       | 2.5      | 0.6     | 6.8      | 0.7      |
| 11CB1309a | Alberta Creek | 633361 | 6987917 | WHI11001851-032 | 7.01    | 81.47    | 4.63     | 65.6     | 170      | 10.6     | 40.9     | 15.1     | 625      | 2.56       | 2.8      | 0.7     | 10.6     | 0.7      |
| 11CB1310a | Alberta Creek | 633359 | 6987966 | WHI11001851-033 | 6.72    | 77.08    | 4.48     | 63.8     | 152      | 6.7      | 38.4     | 14.9     | 604      | 2.47       | 2.5      | 0.6     | 6.7      | 0.7      |
| 11CB1311a | Alberta Creek | 633357 | 6988016 | WHI11001851-034 | 7.26    | 79.65    | 4.77     | 68.3     | 157      | 6.3      | 42       | 16.6     | 635      | 2.7        | 2.7      | 0.6     | 6.3      | 0.7      |
| 11CB1312a | Alberta Creek | 633279 | 6987513 | WHI11001851-035 | 6.92    | 77.37    | 4.58     | 62.4     | 149      | 6.4      | 37.9     | 15.2     | 603      | 2.44       | 2.5      | 0.6     | 6.4      | 0.7      |
| 11CB1313a | Alberta Creek | 633276 | 6987562 | WHI11001851-036 | 6.96    | 71.44    | 4.36     | 64.3     | 148      | 10.8     | 38.2     | 14.9     | 546      | 2.57       | 2.4      | 0.6     | 10.8     | 0.7      |
| 11CB1314a | Alberta Creek | 633274 | 6987612 | WHI11001851-037 | 7.58    | 80.1     | 5.34     | 73.2     | 165      | 9.3      | 42.6     | 16.3     | 599      | 2.82       | 2.7      | 0.7     | 9.3      | 0.8      |
| 11CB1316a | Alberta Creek | 633270 | 6987712 | WHI11001851-039 | 7.66    | 83.72    | 5.08     | 73.8     | 182      | 8.1      | 44.1     | 17.3     | 705      | 2.82       | 2.8      | 0.7     | 8.1      | 0.7      |
| 11CB1317a | Alberta Creek | 633268 | 6987762 | WHI11001851-040 | 7.14    | 77.92    | 5        | 71.3     | 160      | 10.6     | 42       | 16.7     | 681      | 2.73       | 2.8      | 0.7     | 10.6     | 0.8      |
| 11CB1318a | Alberta Creek | 633266 | 6987812 | WHI11001851-041 | 6.84    | 69.22    | 4.49     | 64.8     | 145      | 10.4     | 36.8     | 15.3     | 611      | 2.47       | 2.3      | 0.6     | 10.4     | 0.6      |
| 11CB1319a | Alberta Creek | 633264 | 6987862 | WHI11001851-042 | 7.07    | 75.78    | 4.45     | 69.1     | 150      | 8.4      | 40.1     | 16       | 642      | 2.57       | 2.5      | 0.6     | 8.4      | 0.7      |
| 11CB1320a | Alberta Creek | 633262 | 6987912 | WHI11001851-043 | 6.98    | 74.56    | 4.7      | 69.8     | 145      | 11.8     | 40.4     | 16.1     | 633      | 2.63       | 2.7      | 0.6     | 11.8     | 0.7      |
| 11CB1321a | Alberta Creek | 633258 | 6988012 | WHI11001851-044 | 7.51    | 78.04    | 4.86     | 70.5     | 160      | 6.8      | 43.1     | 17.7     | 718      | 2.76       | 3        | 0.6     | 6.8      | 0.8      |
| 11CB1073a | Skookum Main  | 623333 | 6990586 | WHI11001434-007 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11CB1074a | Skookum Main  | 623330 | 6990633 | WHI11001434-008 | 1.02    | 14.77    | 5.87     | 25.2     | 481      | 1.2      | 8.8      | 3.2      | 695      | 0.91       | 1.4      | 0.2     | 1.2      | 0.4      |
| 11CB1075a | Skookum Main  | 623335 | 6990685 | WHI11001434-009 | 0.71    | 15.52    | 3.51     | 271.7    | 194      | 0.9      | 7.7      | 2.9      | 7391     | 0.52       | 1.2      | 0.2     | 0.9      | 0.2      |
| 11CB1076a | Skookum Main  | 623327 | 6990740 | WHI11001434-010 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11CB1077a | Skookum Main  | 623327 | 6990786 | WHI11001434-011 | 0.55    | 20.59    | 7.7      | 66.8     | 237      | 0.9      | 6.9      | 2.9      | 999      | 1.03       | 1.1      | 0.6     | 0.9      | 0.6      |
| 11CB1078a | Skookum Main  | 623329 | 6990833 | WHI11001434-012 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11CB1079a | Skookum Main  | 623326 | 6990883 | WHI11001434-013 | 0.9     | 36.77    | 6.94     | 133.1    | 446      | 2.1      | 14.5     | 5.7      | 2277     | 1.02       | 0.9      | 1       | 2.1      | 0.049    |
| 11CB1080a | Skookum Main  | 623322 | 6990935 | WHI11001434-014 | 0.72    | 13.4     | 5.2      | 51       | 205      | 2.2      | 10       | 10.4     | 667      | 1.95       | 2.7      | 1.3     | 2.2      | 0.2      |
| 11CB1082a | Skookum Main  | 623317 | 6990975 | WHI11001434-016 | 0.67    | 31.69    | 6.05     | 46.4     | 231      | 1.6      | 14.2     | 6.8      | 312      | 1.59       | 2.5      | 1.6     | 1.6      | 0.1      |
| 11CB1083a | Skookum Main  | 623318 | 6991031 | WHI11001434-017 | 0.56    | 35.42    | 5.15     | 43.9     | 238      | 2.2      | 16.8     | 7.8      | 326      | 1.64       | 2.5      | 1.8     | 2.2      | 0.1      |
| 11CB1084a | Skookum Main  | 623316 | 6991081 | WHI11001434-018 | 0.67    | 33.45    | 7.56     | 58.4     | 243      | 2.3      | 16.8     | 8.2      | 335      | 2.29       | 3.9      | 1.8     | 2.3      | 0.4      |
| 11CB1085a | Skookum Main  | 623317 | 6991122 | WHI11001434-019 | 0.76    | 15.16    | 5.36     | 60.9     | 90       | 1.8      | 16.8     | 7.1      | 311      | 1.79       | 5.1      | 0.5     | 1.8      | 1.9      |
| 11CB1086a | Skookum Main  | 623081 | 6989366 | WHI11001434-020 | 0.78    | 18.63    | 3.82     | 64.1     | 522      | 1.4      | 9.7      | 2.9      | 534      | 0.61       | 1.3      | 0.2     | 1.4      | 0.049    |
| 11CB1087a | Skookum Main  | 623082 | 6989424 | WHI11001434-021 | 1       | 16.79    | 5.16     | 80.9     | 323      | 1.4      | 8.4      | 3.1      | 1390     | 0.72       | 1.8      | 0.2     | 1.4      | 0.049    |
| 11CB1088a | Skookum Main  | 623076 | 6989473 | WHI11001434-022 | 1.19    | 44.25    | 9.64     | 127      | 1187     | 1        | 23.1     | 7        | 1751     | 1.7        | 3        | 1.1     | 1        | 0.6      |
| 11CB1089a | Skookum Main  | 623075 | 6989522 | WHI11001434-023 | 0.97    | 46.56    | 6.41     | 143.1    | 1246     | 1.1      | 17.9     | 4.3      | 1182     | 1.02       | 2        | 1.3     | 1.1      | 0.049    |
| 11CB1090a | Skookum Main  | 623078 | 6989577 | WHI11001434-024 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11CB1091a | Skookum Main  | 623071 | 6989620 | WHI11001434-025 | 0.92    | 16.31    | 3.48     | 45.9     | 450      | 3        | 7        | 2.2      | 98       | 0.58       | 1.3      | 0.2     | 3        | 0.049    |
| 11CB1092a | Skookum Main  | 623068 | 6989674 | WHI11001434-026 | 0.98    | 16.92    | 6.45     | 50.9     | 213      | 1.4      | 13.6     | 5.2      | 178      | 1.84       | 3.9      | 0.5     | 1.4      | 0.3      |
| 11CB1093a | Skookum Main  | 623071 | 6989729 | WHI11001434-027 | 0.87    | 13.69    | 5.03     | 33       | 288      | 1.8      | 8.1      | 3.6      | 184      | 1.43       | 2.6      | 0.5     | 1.8      | 0.4      |
| 11CB1094a | Skookum Main  | 623068 | 6989769 | WHI11001434-028 | 0.61    | 25.46    | 3.98     | 28       | 272      | 2.3      | 8.3      | 3.1      | 136      | 0.88       | 1.8      | 0.6     | 2.3      | 0.049    |
| 11CB1095a | Skookum Main  | 623067 | 6989829 | WHI11001434-029 | 0.7     | 16.84    | 2.64     | 25.6     | 295      | 2.7      | 8.8      | 2.5      | 86       | 1.06       | 2.3      | 1.4     | 2.7      | 0.3      |
| 11CB1096a | Skookum Main  | 623062 | 6989870 | WHI11001434-030 | 0.59    | 16.55    | 3.45     | 72.1     | 290      | 5.9      | 9.2      | 3.6      | 728      | 1.45       | 2.9      | 1.5     | 5.9      | 1.2      |
| 11CB1097a | Skookum Main  | 623060 | 6989920 | WHI11001434-031 | 0.66    | 16.1     | 3.95     | 39.1     | 266      | 3.3      | 9.8      | 4.1      | 134      | 1.75       | 3.2      | 1.4     | 3.3      | 1.5      |
| 11CB1098a | Skookum Main  | 623058 | 6989970 | WHI11001434-032 | 0.62    | 16.46    | 3.9      | 37.9     | 267      | 2.8      | 10.6     | 4.4      | 125      | 1.84       | 3.7      | 1.5     | 2.8      | 1.6      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11CB1099a | Skookum Main  | 623065 | 6990020 | WHI11001434-033 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB1100a | Skookum Main  | 623065 | 6990072 | WHI11001223-117 | 0.59    | 9.75     | 2.97     | 24.8     | 222      | 2.2      | 5.5      | 2.8      | 84      | 1.07       | 1        | 0.6     | 2.2      | 0.5      |
| 11CB1102a | Skookum Main  | 623048 | 6990115 | WHI11001223-119 | 0.81    | 12.8     | 4.75     | 61.4     | 201      | 2.3      | 10.9     | 7.1      | 295     | 2.49       | 2.4      | 0.7     | 2.3      | 2        |
| 11CB1103a | Skookum Main  | 623049 | 6990172 | WHI11001223-120 | 1.45    | 22.51    | 7.05     | 89.8     | 612      | 0.5      | 14.9     | 11.2     | 947     | 3.11       | 2.8      | 1.2     | 0.5      | 3.1      |
| 11CB1104a | Skookum Main  | 623049 | 6990219 | WHI11001223-121 | 0.99    | 34.03    | 6.94     | 63       | 450      | 2.3      | 12.5     | 12.7     | 1171    | 2.65       | 2.1      | 2.7     | 2.3      | 1.7      |
| 11CB1105a | Skookum Main  | 623050 | 6990271 | WHI11001223-122 | 1.2     | 19.89    | 6.97     | 42.5     | 249      | 1.7      | 9.6      | 4.1      | 190     | 2.01       | 2.3      | 1       | 1.7      | 0.4      |
| 11CB1106a | Skookum Main  | 623059 | 6990327 | WHI11001223-123 | 1.43    | 19.44    | 6.28     | 48.1     | 534      | 0.6      | 11.1     | 7.8      | 3895    | 1.29       | 1.1      | 0.5     | 0.6      | 0.049    |
| 11CB1107a | Skookum Main  | 623044 | 6990370 | WHI11001223-124 | 1.7     | 22.48    | 4.44     | 26.9     | 429      | 1.1      | 7.7      | 3        | 122     | 1.53       | 1.8      | 0.8     | 1.1      | 0.4      |
| 11CB1108a | Skookum Main  | 623037 | 6990413 | WHI11001223-125 | 1.37    | 29.66    | 6.12     | 48.2     | 1003     | 4.9      | 10.1     | 10.1     | 1262    | 2.42       | 2.4      | 1.6     | 4.9      | 1.1      |
| 11CB1109a | Skookum Main  | 623039 | 6990470 | WHI11001223-126 | 1.36    | 34.68    | 6.57     | 56.8     | 985      | 4.1      | 11.8     | 10.8     | 1581    | 2.65       | 3.1      | 1.6     | 4.1      | 1.4      |
| 11CB1110a | Skookum Main  | 623037 | 6990520 | WHI11001223-127 | 1.41    | 29.06    | 5.45     | 39.7     | 844      | 2.8      | 10.2     | 9.2      | 1677    | 2.02       | 2        | 1.4     | 2.8      | 0.8      |
| 11CB1111a | Skookum Main  | 623035 | 6990570 | WHI11001223-128 | 1.53    | 26.95    | 5.5      | 40.5     | 795      | 2.8      | 9.2      | 8.8      | 2096    | 1.84       | 1.9      | 1.3     | 2.8      | 0.6      |
| 11CB1112a | Skookum Main  | 623043 | 6990624 | WHI11001223-129 | 0.47    | 17.08    | 6.2      | 50.2     | 87       | 2.8      | 11.1     | 5.9      | 527     | 1.61       | 2.4      | 0.6     | 2.8      | 0.7      |
| 11CB1113a | Skookum Main  | 623032 | 6990670 | WHI11001223-130 | 0.37    | 15.66    | 4.9      | 40.8     | 70       | 2.4      | 9.8      | 4.8      | 440     | 1.28       | 1.8      | 0.5     | 2.4      | 0.5      |
| 11CB1114a | Skookum Main  | 623030 | 6990720 | WHI11001224-208 | 0.36    | 16.94    | 4.76     | 42.7     | 99       | 2.2      | 10.9     | 5.2      | 501     | 1.25       | 1.5      | 0.5     | 2.2      | 0.5      |
| 11CB1115a | Skookum Main  | 623030 | 6990770 | WHI11001224-209 | 0.36    | 18.36    | 5.65     | 45.6     | 91       | 2.8      | 12.4     | 5.9      | 569     | 1.48       | 1.7      | 0.5     | 2.8      | 0.6      |
| 11CB1116a | Skookum Main  | 623030 | 6990822 | WHI11001224-210 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB1117a | Skookum Main  | 623022 | 6990870 | WHI11001224-211 | 0.41    | 24.47    | 3.44     | 42.5     | 185      | 2.6      | 11       | 5.8      | 530     | 1.2        | 2.3      | 2.5     | 2.6      | 0.4      |
| 11CB1118a | Skookum Main  | 623022 | 6990920 | WHI11001224-212 | 0.39    | 25.07    | 3.67     | 47.5     | 190      | 2.8      | 12.3     | 6.3      | 535     | 1.41       | 2.3      | 2.3     | 2.8      | 0.5      |
| 11CB1119a | Skookum Main  | 623020 | 6990970 | WHI11001224-213 | 0.38    | 26.1     | 3.25     | 39.3     | 187      | 4.1      | 11.1     | 4.8      | 422     | 1.06       | 1.5      | 2.9     | 4.1      | 0.3      |
| 11CB1120a | Skookum Main  | 623017 | 6991021 | WHI11001224-214 | 1.07    | 27.49    | 5.26     | 56.2     | 85       | 2.8      | 18.5     | 10.1     | 636     | 1.64       | 4.5      | 0.5     | 2.8      | 0.9      |
| 11CB1122A | Skookum Main  | 623116 | 6991070 | WHI11001224-216 | 0.86    | 37.01    | 4.02     | 32.8     | 116      | 5.7      | 22.6     | 7        | 292     | 1.47       | 7.1      | 0.5     | 5.7      | 0.5      |
| 11CB1123a | Skookum Main  | 623116 | 6991120 | WHI11001224-217 | 0.82    | 32.49    | 4.1      | 34.9     | 127      | 3.8      | 18.6     | 6.2      | 244     | 1.14       | 2.2      | 0.5     | 3.8      | 0.5      |
| 11CB1124a | Skookum Main  | 623116 | 6991122 | WHI11001224-218 | 0.46    | 16.83    | 6.45     | 76.3     | 87       | 3.5      | 19.9     | 9.4      | 852     | 2.03       | 4.6      | 0.6     | 3.5      | 2.2      |
| 11AN0001A | Skookum North | 626463 | 6990049 | WHI11001133-102 | 1.13    | 16.24    | 7.22     | 25.9     | 762      | 0.4      | 12.3     | 4.4      | 145     | 1.01       | 1.6      | 0.5     | 0.4      | 0.049    |
| 11AN0002A | Skookum North | 626456 | 6990158 | WHI11001133-103 | 0.89    | 17.69    | 7.43     | 145.7    | 279      | 0.099    | 16       | 7.8      | 4118    | 1.38       | 2.7      | 0.2     | 0.099    | 0.1      |
| 11AN0003A | Skookum North | 626450 | 6990252 | WHI11001133-104 | 1.01    | 16.49    | 5.51     | 20.4     | 139      | 0.4      | 10.4     | 3.5      | 68      | 0.97       | 1.8      | 0.3     | 0.4      | 0.049    |
| 11AN0004A | Skookum North | 626447 | 6990352 | WHI11001133-105 | 2.32    | 19.21    | 8.51     | 31.5     | 442      | 1.6      | 10.5     | 3.2      | 120     | 0.97       | 1.8      | 0.5     | 1.6      | 0.049    |
| 11CB0706A | Skookum North | 626556 | 6990006 | WHI11001133-001 | 1.78    | 22.07    | 17.38    | 53.6     | 1573     | 8.7      | 15.1     | 40       | 3062    | 2.55       | 3.7      | 1       | 8.7      | 1.1      |
| 11CB0707A | Skookum North | 626556 | 6990108 | WHI11001133-002 | 1.12    | 11.93    | 8.37     | 56.9     | 268      | 2.2      | 10.7     | 8.4      | 880     | 2.38       | 4.5      | 0.2     | 2.2      | 1.2      |
| 11CB0708A | Skookum North | 626553 | 6990215 | WHI11001133-003 | 0.88    | 15.9     | 7.84     | 73.3     | 635      | 2.9      | 8.3      | 4.6      | 932     | 1.11       | 2.5      | 0.3     | 2.9      | 1.5      |
| 11CB0709A | Skookum North | 626548 | 6990307 | WHI11001133-004 | 0.82    | 17.84    | 4.6      | 34.6     | 430      | 2.6      | 10.9     | 2.2      | 114     | 0.65       | 1.2      | 0.2     | 2.6      | 0.049    |
| 11CB0710A | Skookum North | 626538 | 6990409 | WHI11001133-005 | 1.07    | 43.79    | 6.9      | 182.2    | 1602     | 2.8      | 23.8     | 8.6      | 1493    | 1.03       | 1.7      | 0.7     | 2.8      | 0.2      |
| 11DS0715A | Skookum North | 626561 | 6990052 | WHI11001134-102 | 1.02    | 16.23    | 11.06    | 72.4     | 291      | 2.8      | 15.1     | 12       | 2111    | 2          | 5        | 0.3     | 2.8      | 0.3      |
| 11DS0716A | Skookum North | 626554 | 6990160 | WHI11001134-103 | 0.99    | 27.05    | 11.12    | 20.5     | 517      | 0.4      | 17       | 4.6      | 70      | 1.06       | 2        | 0.5     | 0.4      | 0.049    |
| 11DS0717A | Skookum North | 626552 | 6990255 | WHI11001134-104 | 0.99    | 25.1     | 6.1      | 69       | 917      | 0.3      | 13.9     | 3.8      | 154     | 0.65       | 1.4      | 0.2     | 0.3      | 0.049    |
| 11DS0718A | Skookum North | 626548 | 6990353 | WHI11001134-105 | 1.12    | 20.1     | 6.6      | 32.7     | 636      | 0.6      | 10.8     | 3        | 66      | 0.79       | 1.3      | 0.3     | 0.6      | 0.049    |
| 11TB0743A | Skookum North | 626454 | 6990102 | WHI11001134-001 | 1.1     | 15.88    | 9.48     | 26.8     | 508      | 2.3      | 14.7     | 2.7      | 105     | 0.84       | 1.7      | 0.4     | 2.3      | 0.049    |
| 11TB0744A | Skookum North | 626452 | 6990203 | WHI11001134-002 | 1.26    | 15.55    | 9.6      | 22.2     | 479      | 1.4      | 10.6     | 3        | 77      | 0.85       | 2.5      | 0.3     | 1.4      | 0.049    |
| 11TB0745A | Skookum North | 626447 | 6990301 | WHI11001134-003 | 1.31    | 26.33    | 7.72     | 40.9     | 814      | 0.9      | 17.8     | 4.3      | 158     | 1.11       | 1.7      | 0.8     | 0.9      | 0.049    |
| 11TB0746A | Skookum North | 626442 | 6990406 | WHI11001134-004 | 5.63    | 13.61    | 6.57     | 27.9     | 298      | 2.4      | 7.4      | 5.3      | 382     | 0.8        | 1.5      | 2.3     | 2.4      | 0.3      |
| 11AN0005A | Skookum North | 626446 | 6990454 | WHI11001133-106 | 2.23    | 12.46    | 1.39     | 20.9     | 109      | 0.099    | 6        | 2.4      | 134     | 0.38       | 0.8      | 0.8     | 0.099    | 0.2      |
| 11AN0006A | Skookum North | 626437 | 6990547 | WHI11001133-107 | 3.51    | 33.82    | 6        | 32.8     | 121      | 1.2      | 17.9     | 5.1      | 103     | 1.22       | 1.7      | 0.7     | 1.2      | 0.7      |
| 11AN0007A | Skookum North | 626435 | 6990649 | WHI11001133-108 | 1.61    | 31.89    | 4.18     | 23.6     | 271      | 1.1      | 8.5      | 3.2      | 109     | 1.05       | 0.7      | 1.8     | 1.1      | 0.5      |
| 11AN0008A | Skookum North | 626435 | 6990751 | WHI11001133-109 | 6.32    | 22.39    | 6.75     | 57.4     | 265      | 4.1      | 10.1     | 9.9      | 1562    | 1.99       | 3.3      | 3.5     | 4.1      | 1.7      |
| 11AN0009A | Skookum North | 626428 | 6990852 | WHI11001133-110 | 3.46    | 17.77    | 5.99     | 36.2     | 273      | 3.1      | 7.4      | 3.6      | 121     | 1.85       | 3        | 1.4     | 3.1      | 0.7      |



| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11AN0010A | Skookum North | 626424 | 6990952 | WHI11001133-111 | 1.32    | 8.72     | 5.37     | 49.6     | 99       | 2.9       | 8         | 4.6      | 192       | 1.8        | 2.4       | 0.7      | 2.9       | 1.4       |
| 11AN0011A | Skookum North | 626419 | 6991053 | WHI11001133-112 | 0.83    | 10.25    | 6.51     | 21.3     | 189      | 1.7       | 14.5      | 3.2      | 94        | 1.15       | 2.4       | 0.2      | 1.7       | 0.6       |
| 11AN0012A | Skookum North | 626416 | 6991150 | WHI11001133-113 | 0.78    | 11.32    | 7.41     | 22.4     | 197      | 1.3       | 5.6       | 1.5      | 56        | 0.85       | 1.2       | 0.5      | 1.3       | 0.2       |
| 11AN0013A | Skookum North | 626408 | 6991254 | WHI11001133-114 | 0.42    | 27.47    | 2.98     | 16.2     | 240      | 0.7       | 18.2      | 6.4      | 111       | 1.41       | 1.3       | 0.2      | 0.7       | 0.049     |
| 11AN0014A | Skookum North | 626414 | 6991357 | WHI11001133-115 | 0.45    | 35.45    | 7.8      | 22       | 252      | 1.1       | 17        | 3.2      | 63        | 1.19       | 1.7       | 1.2      | 1.1       | 0.2       |
| 11AN0015A | Skookum North | 626404 | 6991454 | WHI11001133-116 | 0.55    | 8.49     | 6.53     | 28.9     | 66       | 1.5       | 7.3       | 3.4      | 113       | 1.42       | 3         | 0.3      | 1.5       | 0.7       |
| 11AN0016A | Skookum North | 626405 | 6991553 | WHI11001133-117 | 0.46    | 10.27    | 5.13     | 20.4     | 366      | 1.2       | 5.4       | 1.7      | 43        | 0.7        | 0.7       | 0.3      | 1.2       | 0.049     |
| 11AN0017A | Skookum North | 626397 | 6991652 | WHI11001133-118 | 0.65    | 6.95     | 6.2      | 18       | 165      | 1         | 5.3       | 2        | 80        | 1          | 2.7       | 0.2      | 1         | 0.049     |
| 11AN0018A | Skookum North | 626394 | 6991752 | WHI11001133-119 | 0.49    | 6.91     | 6.54     | 15.7     | 77       | 0.9       | 5.7       | 2        | 54        | 1.05       | 2.9       | 0.2      | 0.9       | 0.049     |
| 11AN0019A | Skookum North | 626391 | 6991872 | WHI11001133-120 | 0.84    | 7.73     | 7.1      | 86.1     | 88       | 1.3       | 10.6      | 7.7      | 1223      | 2.46       | 2.6       | 0.2      | 1.3       | 1.2       |
| 11AN0020A | Skookum North | 626385 | 6991956 | WHI11001133-121 | 0.6     | 8.43     | 6.64     | 27.6     | 153      | 1.1       | 6.7       | 3        | 213       | 1.26       | 3         | 0.3      | 1.1       | 0.049     |
| 11AN0022A | Skookum North | 626382 | 6992051 | WHI11001133-123 | 0.6     | 10.78    | 7.64     | 30.7     | 171      | 2.5       | 9.7       | 4.8      | 155       | 1.58       | 3.5       | 0.7      | 2.5       | 0.4       |
| 11AN0023A | Skookum North | 626377 | 6992148 | WHI11001133-124 | 0.56    | 14.11    | 5.83     | 29.6     | 371      | 2.5       | 10.8      | 4.8      | 117       | 1.9        | 4.6       | 1.6      | 2.5       | 0.2       |
| 11AN0024A | Skookum North | 626375 | 6992251 | WHI11001133-125 | 0.61    | 5.51     | 6.34     | 13.7     | 74       | 1.6       | 4.8       | 1.5      | 58        | 0.93       | 3.2       | 0.3      | 1.6       | 0.4       |
| 11AN0025A | Skookum North | 626371 | 6992351 | WHI11001133-126 | 0.58    | 15.87    | 5.65     | 15.4     | 38       | 1.1       | 4.9       | 1.8      | 50        | 0.96       | 1.4       | 0.5      | 1.1       | 0.2       |
| 11CB0711A | Skookum North | 626538 | 6990509 | WHI11001133-006 | 3.4     | 33.1     | 7.14     | 24.8     | 1671     | 5.1       | 8.4       | 5.1      | 286       | 1.26       | 1.2       | 2.3      | 5.1       | 0.2       |
| 11CB0712A | Skookum North | 626535 | 6990608 | WHI11001133-007 | 0.87    | 18.3     | 4.93     | 24.9     | 341      | 1.9       | 7.8       | 2.1      | 53        | 0.68       | 1.1       | 0.3      | 1.9       | 0.049     |
| 11CB0713A | Skookum North | 626534 | 6990708 | WHI11001133-008 | 1.6     | 38.84    | 3.19     | 28.6     | 356      | 3.2       | 9.2       | 2.3      | 198       | 0.77       | 1         | 19.4     | 3.2       | 0.2       |
| 11CB0714A | Skookum North | 626527 | 6990812 | WHI11001133-009 | 1.61    | 13.92    | 4.12     | 33.1     | 205      | 3.7       | 6.8       | 6        | 278       | 1.02       | 1         | 2.9      | 3.7       | 0.8       |
| 11CB0715A | Skookum North | 626527 | 6990908 | WHI11001133-010 | 1.92    | 8.71     | 3.06     | 23.3     | 174      | 3.8       | 6.2       | 4.2      | 153       | 1.68       | 1.5       | 1.1      | 3.8       | 0.4       |
| 11CB0716A | Skookum North | 626523 | 6991000 | WHI11001133-011 | 0.73    | 34.2     | 8.42     | 23.3     | 498      | 2.7       | 12.7      | 2.9      | 60        | 1.04       | 1.3       | 0.9      | 2.7       | 0.049     |
| 11CB0717A | Skookum North | 626521 | 6991115 | WHI11001133-012 | 1.13    | 17.13    | 4.62     | 12.8     | 221      | 2.1       | 10.2      | 1.9      | 52        | 0.8        | 1.5       | 0.3      | 2.1       | 0.049     |
| 11CB0718A | Skookum North | 626520 | 6991207 | WHI11001133-013 | 0.63    | 13.37    | 5.69     | 15.7     | 159      | 3.8       | 6         | 2.2      | 32        | 1.03       | 1.6       | 1.1      | 3.8       | 0.049     |
| 11CB0719A | Skookum North | 626510 | 6991311 | WHI11001133-014 | 0.51    | 32.66    | 4.73     | 15.8     | 122      | 1.7       | 13.7      | 4.1      | 57        | 1.16       | 1.2       | 1        | 1.7       | 0.049     |
| 11CB0720A | Skookum North | 626508 | 6991415 | WHI11001133-015 | 0.88    | 14.53    | 6.88     | 17.4     | 128      | 2.6       | 8.1       | 3        | 45        | 1.07       | 2.1       | 0.8      | 2.6       | 0.049     |
| 11CB0722A | Skookum North | 626503 | 6991516 | WHI11001133-017 | 0.82    | 12.53    | 5.95     | 17.9     | 431      | 1.3       | 8.2       | 2.7      | 43        | 1          | 2         | 0.4      | 1.3       | 0.049     |
| 11CB0723A | Skookum North | 626500 | 6991606 | WHI11001133-018 | 0.9     | 13.82    | 5.99     | 15.2     | 475      | 2.5       | 7.1       | 2.3      | 36        | 0.88       | 1.3       | 0.5      | 2.5       | 0.049     |
| 11CB0724A | Skookum North | 626495 | 6991710 | WHI11001133-019 | 0.6     | 19.34    | 7.71     | 22.9     | 230      | 1.7       | 5.6       | 2.2      | 64        | 0.66       | 0.9       | 0.6      | 1.7       | 0.049     |
| 11CB0725A | Skookum North | 626488 | 6991830 | WHI11001133-020 | 0.8     | 9.3      | 5.44     | 20.3     | 451      | 1         | 5.9       | 9.1      | 1389      | 0.75       | 1.3       | 0.2      | 1         | 0.049     |
| 11CB0726A | Skookum North | 626487 | 6991909 | WHI11001133-021 | 0.6     | 25.16    | 4.8      | 51.7     | 282      | 1.8       | 7.2       | 2        | 216       | 0.61       | 0.9       | 0.2      | 1.8       | 0.049     |
| 11CB0727A | Skookum North | 626483 | 6992004 | WHI11001133-022 | 0.5     | 19.35    | 4.43     | 14.6     | 180      | 1.7       | 6.3       | 1.5      | 33        | 0.55       | 0.8       | 0.3      | 1.7       | 0.049     |
| 11CB0728A | Skookum North | 626482 | 6992103 | WHI11001133-023 | 0.67    | 17.84    | 5.73     | 14.4     | 378      | 6.3       | 8         | 2.9      | 34        | 1.04       | 1.3       | 1.1      | 6.3       | 0.049     |
| 11CB0729A | Skookum North | 626476 | 6992205 | WHI11001133-024 | 0.62    | 14.58    | 5.69     | 16.5     | 379      | 0.6       | 6.4       | 2.3      | 34        | 0.84       | 0.9       | 0.9      | 0.6       | 0.049     |
| 11CB0730A | Skookum North | 626472 | 6992305 | WHI11001133-025 | 0.67    | 18.53    | 5.86     | 14       | 374      | 1.5       | 8.4       | 2.8      | 36        | 1.03       | 1.3       | 1.1      | 1.5       | 0.049     |
| 11CB0731A | Skookum North | 626467 | 6992362 | WHI11001133-026 | 0.56    | 7.59     | 5.77     | 13.2     | 106      | 1.5       | 3.5       | 1.3      | 40        | 0.72       | 1.9       | 0.2      | 1.5       | 0.1       |
| 11DS0719A | Skookum North | 626543 | 6990457 | WHI11001134-106 | 1.66    | 46.02    | 7.95     | 61.6     | 713      | 0.099     | 20.5      | 6.3      | 206       | 1.16       | 2         | 1.1      | 0.099     | 0.049     |
| 11DS0720A | Skookum North | 626542 | 6990560 | WHI11001134-107 | 1.08    | 26.8     | 7.07     | 22       | 457      | 0.4       | 10        | 2.6      | 43        | 0.79       | 1.2       | 0.5      | 0.4       | 0.049     |
| 11DS0721A | Skookum North | 626534 | 6990654 | WHI11001134-108 | 1.62    | 18.9     | 6.23     | 23.5     | 782      | 1.4       | 7.9       | 4.2      | 66        | 1.25       | 1.4       | 2.4      | 1.4       | 0.4       |
| 11DS0722A | Skookum North | 626531 | 6990752 | WHI11001134-109 | 1.94    | 15.58    | 1.97     | 21.8     | 92       | 0.7       | 5.1       | 2.6      | 655       | 0.37       | 0.5       | 3.9      | 0.7       | 0.5       |
| 11DS0723A | Skookum North | 626526 | 6990860 | WHI11001134-110 | 1.28    | 11.61    | 5.29     | 21.4     | 242      | 1.7       | 7.6       | 3.8      | 117       | 1.78       | 1.7       | 2.5      | 1.7       | 1.6       |
| 11DS0724A | Skookum North | 626522 | 6990954 | WHI11001134-111 | 0.59    | 31.69    | 5.15     | 27.2     | 311      | 2.4       | 10.7      | 2.1      | 58        | 0.6        | 0.7       | 0.8      | 2.4       | 0.049     |
| 11DS0725A | Skookum North | 626522 | 6991063 | WHI11001134-112 | 1.12    | 26.9     | 6.78     | 16.6     | 439      | 2.2       | 14.6      | 2.7      | 51        | 0.73       | 1.2       | 0.3      | 2.2       | 0.049     |
| 11DS0726A | Skookum North | 626518 | 6991154 | WHI11001134-113 | 0.46    | 35.48    | 5.01     | 11.2     | 240      | 2         | 13.3      | 2.3      | 29        | 0.87       | 0.7       | 1.3      | 2         | 0.049     |
| 11DS0727A | Skookum North | 626511 | 6991262 | WHI11001134-114 | 0.82    | 23.38    | 5.6      | 14.3     | 263      | 1.7       | 7.9       | 2.5      | 28        | 0.88       | 1.2       | 2.3      | 1.7       | 0.049     |
| 11DS0728A | Skookum North | 626509 | 6991355 | WHI11001134-115 | 0.64    | 18.35    | 4.72     | 9.2      | 157      | 1.8       | 8.8       | 2.1      | 24        | 0.71       | 0.8       | 0.6      | 1.8       | 0.049     |
| 11DS0729A | Skookum North | 626503 | 6991460 | WHI11001134-116 | 0.74    | 28.64    | 7.16     | 23.5     | 572      | 1.6       | 10.9      | 2.8      | 75        | 0.75       | 0.7       | 1.1      | 1.6       | 0.049     |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|---------|------------|-----------|----------|-----------|-----------|
| 11DS0730A | Skookum North | 626496 | 6991555 | WHI11001134-117 | 0.77    | 20.06    | 9.02     | 35.4     | 244      | 0.7       | 8.9       | 2.5      | 66      | 0.79       | 1.4       | 0.3      | 0.7       | 0.049     |
| 11DS0731A | Skookum North | 626504 | 6991661 | WHI11001134-118 | 0.91    | 21.25    | 5.64     | 15       | 89       | 2.1       | 11.1      | 2.4      | 43      | 0.75       | 1.2       | 0.3      | 2.1       | 0.049     |
| 11DS0732A | Skookum North | 626495 | 6991760 | WHI11001134-119 | 0.9     | 20.59    | 5.26     | 22.9     | 212      | 1.3       | 8.6       | 2.2      | 39      | 0.73       | 1.2       | 0.3      | 1.3       | 0.049     |
| 11DS0733A | Skookum North | 626489 | 6991863 | WHI11001134-120 | 1.19    | 16.49    | 7.14     | 83.9     | 387      | 1.3       | 10.6      | 13.5     | 5248    | 0.91       | 1.8       | 0.2      | 1.3       | 0.049     |
| 11DS0734A | Skookum North | 626488 | 6991955 | WHI11001134-121 | 0.54    | 29.49    | 4.91     | 15.1     | 175      | 1.2       | 11.4      | 2.2      | 34      | 0.71       | 0.7       | 0.4      | 1.2       | 0.049     |
| 11DS0735A | Skookum North | 626482 | 6992055 | WHI11001134-122 | 0.71    | 31.64    | 10.27    | 28.6     | 140      | 1.6       | 11.7      | 3.4      | 98      | 1.2        | 1.8       | 1.3      | 1.6       | 0.049     |
| 11DS0736A | Skookum North | 626483 | 6992161 | WHI11001134-123 | 0.66    | 17.26    | 5.59     | 21       | 298      | 1.5       | 9.5       | 6.1      | 108     | 1.17       | 1.6       | 1.2      | 1.5       | 0.049     |
| 11DS0737A | Skookum North | 626483 | 6992255 | WHI11001134-124 | 1.15    | 21.2     | 4.64     | 67.8     | 477      | 0.8       | 10.3      | 4.2      | 3357    | 0.73       | 1.4       | 0.2      | 0.8       | 0.049     |
| 11TB0747A | Skookum North | 626443 | 6990497 | WHI11001134-005 | 1.23    | 21.87    | 5.39     | 42.8     | 131      | 0.8       | 9.1       | 2.4      | 111     | 0.92       | 1.9       | 2.3      | 0.8       | 0.049     |
| 11TB0748A | Skookum North | 626462 | 6990588 | WHI11001134-006 | 1.26    | 18.14    | 7.64     | 22.4     | 249      | 0.7       | 8.9       | 2.4      | 71      | 0.92       | 1.7       | 0.4      | 0.7       | 0.049     |
| 11TB0749A | Skookum North | 626427 | 6990705 | WHI11001134-007 | 2.76    | 15.11    | 8.5      | 59.6     | 217      | 2         | 8.5       | 4.8      | 210     | 1.97       | 2.6       | 1.1      | 2         | 3         |
| 11TB0750A | Skookum North | 626423 | 6990808 | WHI11001134-008 | 2.26    | 7.23     | 2.13     | 17.3     | 90       | 0.099     | 4.8       | 2.3      | 85      | 0.61       | 1.2       | 0.6      | 0.099     | 1.3       |
| 11TB0751A | Skookum North | 626422 | 6990906 | WHI11001134-009 | 1.05    | 17.76    | 5.75     | 30.6     | 260      | 2.2       | 8.6       | 3.2      | 113     | 1.31       | 2.1       | 2.9      | 2.2       | 0.5       |
| 11TB0752A | Skookum North | 626420 | 6991006 | WHI11001134-010 | 0.79    | 23.07    | 7.11     | 19.6     | 505      | 0.7       | 8.4       | 4.2      | 58      | 1.06       | 2         | 0.7      | 0.7       | 0.049     |
| 11TB0753A | Skookum North | 626412 | 6991100 | WHI11001134-011 | 1.44    | 10.68    | 7.01     | 22.2     | 715      | 0.099     | 6.6       | 2.7      | 98      | 1.15       | 3.4       | 0.3      | 0.099     | 0.049     |
| 11TB0754A | Skookum North | 626411 | 6991198 | WHI11001134-012 | 1.01    | 18.73    | 8.76     | 16.1     | 121      | 2.1       | 7.8       | 1.6      | 70      | 0.73       | 1.6       | 1        | 2.1       | 0.049     |
| 11TB0755A | Skookum North | 626403 | 6991303 | WHI11001134-013 | 0.76    | 67.7     | 4.9      | 27.5     | 525      | 1.3       | 30        | 8.4      | 146     | 1.55       | 1.4       | 1.6      | 1.3       | 0.049     |
| 11TB0756A | Skookum North | 626409 | 6991400 | WHI11001134-014 | 0.65    | 19.67    | 4.78     | 64.2     | 211      | 1.3       | 17.6      | 13.5     | 645     | 2.39       | 2.6       | 1.3      | 1.3       | 1.4       |
| 11TB0780A | Skookum North | 626395 | 6991515 | WHI11001134-038 | 0.91    | 16.05    | 12.82    | 45.4     | 216      | 3.1       | 10.1      | 12.3     | 1303    | 1.25       | 2.2       | 0.5      | 3.1       | 0.2       |
| 11TB0782A | Skookum North | 626400 | 6991608 | WHI11001134-040 | 1.07    | 16.4     | 7.32     | 26.3     | 196      | 1.1       | 9.1       | 3.6      | 74      | 1.1        | 2.9       | 0.3      | 1.1       | 0.049     |
| 11TB0783A | Skookum North | 626394 | 6991709 | WHI11001134-041 | 0.84    | 16.43    | 6.29     | 15.5     | 403      | 0.6       | 6.4       | 2.7      | 45      | 0.75       | 0.9       | 0.3      | 0.6       | 0.049     |
| 11TB0784A | Skookum North | 626392 | 6991815 | WHI11001134-042 | 1.1     | 9.86     | 8.9      | 42.2     | 132      | 1.1       | 11.6      | 5.4      | 391     | 2.28       | 5         | 0.3      | 1.1       | 1.7       |
| 11TB0785A | Skookum North | 626390 | 6991903 | WHI11001134-043 | 1.38    | 12.91    | 8.28     | 34.4     | 278      | 1.1       | 9.6       | 9.2      | 4905    | 1.46       | 1.8       | 0.2      | 1.1       | 0.049     |
| 11TB0786A | Skookum North | 626382 | 6992000 | WHI11001134-044 | 0.82    | 12.52    | 7.03     | 24.9     | 140      | 0.5       | 8.3       | 2.7      | 89      | 1.3        | 3.4       | 0.3      | 0.5       | 0.049     |
| 11TB0787A | Skookum North | 626380 | 6992093 | WHI11001134-045 | 0.58    | 14.13    | 6.75     | 16.9     | 145      | 2.2       | 5.6       | 1.7      | 56      | 0.86       | 2.2       | 0.5      | 2.2       | 0.049     |
| 11TB0788A | Skookum North | 626371 | 6992199 | WHI11001134-046 | 0.61    | 12.7     | 3.31     | 50.7     | 59       | 0.3       | 6.4       | 2.7      | 122     | 0.5        | 1.2       | 0.1      | 0.3       | 0.049     |
| 11TB0789A | Skookum North | 626371 | 6992304 | WHI11001134-047 | 1.28    | 15.79    | 6.67     | 18.1     | 196      | 0.9       | 8.8       | 2.7      | 68      | 0.96       | 1.9       | 0.4      | 0.9       | 0.049     |
| 11AN0026A | Skookum North | 626260 | 6990003 | WHI11001133-127 | 0.92    | 13.79    | 7.38     | 26.6     | 384      | 0.8       | 7.2       | 3.5      | 77      | 1.17       | 1.8       | 0.4      | 0.8       | 0.049     |
| 11AN0027A | Skookum North | 626259 | 6990048 | WHI11001133-128 | 0.84    | 15.91    | 5.94     | 22.4     | 142      | 1.1       | 6.5       | 1.6      | 57      | 0.92       | 2.4       | 0.2      | 1.1       | 0.049     |
| 11AN0028A | Skookum North | 626257 | 6990095 | WHI11001133-129 | 0.66    | 14.52    | 6.44     | 14.6     | 98       | 0.9       | 9         | 1.9      | 40      | 0.99       | 1.6       | 0.3      | 0.9       | 0.049     |
| 11AN0029A | Skookum North | 626255 | 6990145 | WHI11001133-130 | 0.75    | 14.46    | 6.55     | 16.6     | 176      | 1.5       | 6.5       | 1.9      | 41      | 0.98       | 1.7       | 0.4      | 1.5       | 0.049     |
| 11AN0030A | Skookum North | 626250 | 6990198 | WHI11001133-131 | 0.9     | 23.59    | 7.75     | 24.3     | 100      | 1.6       | 9.9       | 3.3      | 162     | 1.43       | 2.3       | 0.6      | 1.6       | 0.1       |
| 11AN0031A | Skookum North | 626251 | 6990245 | WHI11001133-132 | 1.05    | 13.09    | 7.46     | 31.8     | 134      | 1.5       | 13        | 3.9      | 109     | 1.34       | 3.6       | 0.4      | 1.5       | 0.049     |
| 11AN0032A | Skookum North | 626251 | 6990298 | WHI11001133-133 | 8.51    | 24.68    | 6.07     | 33.2     | 245      | 3.4       | 21.8      | 13.8     | 3587    | 1.72       | 3.2       | 1        | 3.4       | 0.5       |
| 11AN0033A | Skookum North | 626247 | 6990345 | WHI11001133-134 | 2.99    | 14.38    | 4.82     | 46.1     | 122      | 1.6       | 10.3      | 3.9      | 185     | 1.42       | 3.1       | 0.5      | 1.6       | 0.7       |
| 11AN0034A | Skookum North | 626245 | 6990395 | WHI11001133-135 | 2.73    | 24.29    | 7.09     | 60.7     | 180      | 7.5       | 18.2      | 8.7      | 706     | 2.33       | 3.6       | 2.6      | 7.5       | 4.4       |
| 11AN0035A | Skookum North | 626246 | 6990442 | WHI11001133-136 | 1.98    | 18.46    | 4.68     | 36.5     | 143      | 3         | 11        | 10.7     | 878     | 1.99       | 3.4       | 2.3      | 3         | 1.9       |
| 11AN0036A | Skookum North | 626241 | 6990495 | WHI11001133-137 | 2.24    | 15.7     | 5.2      | 51       | 133      | 3.7       | 10.7      | 7.7      | 640     | 1.86       | 2.9       | 1.1      | 3.7       | 2.6       |
| 11AN0037A | Skookum North | 626240 | 6990551 | WHI11001133-138 | 3.5     | 12.93    | 6.85     | 67.7     | 127      | 8.5       | 11.4      | 7.8      | 840     | 2.18       | 3.3       | 5.2      | 8.5       | 5.3       |
| 11AN0038A | Skookum North | 626237 | 6990595 | WHI11001133-139 | 2.92    | 13.95    | 7.8      | 41.6     | 160      | 3.8       | 8.5       | 3.8      | 158     | 1.66       | 2.2       | 1.1      | 3.8       | 2.2       |
| 11AN0039A | Skookum North | 626235 | 6990648 | WHI11001133-140 | 1.68    | 28.54    | 5.34     | 26.3     | 375      | 1.9       | 10.5      | 3.7      | 114     | 1.54       | 1.8       | 2.6      | 1.9       | 0.9       |
| 11AN0040A | Skookum North | 626233 | 6990695 | WHI11001133-141 | 2.11    | 18.01    | 5.97     | 46.7     | 127      | 1.9       | 11.2      | 4.1      | 195     | 1.56       | 1.8       | 1        | 1.9       | 2.8       |
| 11AN0042A | Skookum North | 626232 | 6990744 | WHI11001133-143 | 4.05    | 18.72    | 5.72     | 33.9     | 192      | 1.7       | 9         | 3.8      | 136     | 1.54       | 2.7       | 1.1      | 1.7       | 1.1       |
| 11AN0043A | Skookum North | 626230 | 6990794 | WHI11001133-144 | 2.34    | 14.83    | 6.05     | 37.4     | 179      | 1.8       | 7.8       | 3.6      | 126     | 1.94       | 2.5       | 1.3      | 1.8       | 1.4       |
| 11AN0044A | Skookum North | 626228 | 6990844 | WHI11001133-145 | 1.74    | 11.49    | 5.97     | 25.5     | 173      | 4.3       | 6.1       | 2.9      | 93      | 1.92       | 1.9       | 1.1      | 4.3       | 0.9       |
| 11AN0045A | Skookum North | 626226 | 6990898 | WHI11001133-146 | 1.07    | 15.59    | 6.03     | 38.9     | 133      | 3.2       | 9.6       | 5.1      | 189     | 1.79       | 2.2       | 1.3      | 3.2       | 1.4       |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|---------|----------|----------|
| 11AN0046A | Skookum North | 626224 | 6990954 | WHI11001133-147 | 0.78     | 22.95    | 8.12     | 31       | 255      | 1.8      | 7.1      | 2.7      | 223      | 1.56       | 1.7      | 1.7     | 1.8      | 1.4      |
| 11AN0047A | Skookum North | 626222 | 6990994 | WHI11001133-148 | 0.95     | 7.67     | 4.47     | 49.7     | 81       | 1.6      | 7.3      | 4.3      | 170      | 1.93       | 2.5      | 0.9     | 1.6      | 2.9      |
| 11AN0048A | Skookum North | 626220 | 6991044 | WHI11001133-149 | 0.64     | 16.54    | 7.36     | 31.7     | 312      | 3.7      | 7.6      | 2.6      | 66       | 1.56       | 1.9      | 1.9     | 3.7      | 0.4      |
| 11AN0049A | Skookum North | 626218 | 6991094 | WHI11001133-150 | 0.83     | 22.68    | 6.24     | 20       | 227      | 2.4      | 8.5      | 2.4      | 39       | 1.35       | 1.1      | 3.1     | 2.4      | 0.6      |
| 11AN0050A | Skookum North | 626214 | 6991148 | WHI11001133-151 | 0.69     | 17.21    | 7.53     | 19       | 207      | 0.7      | 6.7      | 3        | 36       | 1.01       | 1.6      | 1       | 0.7      | 0.3      |
| 11AN0051A | Skookum North | 626215 | 6991194 | WHI11001133-152 | 0.89     | 12.4     | 7.05     | 18.8     | 211      | 1.5      | 7.4      | 2.1      | 49       | 1.16       | 2.3      | 0.9     | 1.5      | 0.3      |
| 11CB0732A | Skookum North | 626355 | 6989993 | WHI11001133-027 | 0.95     | 18.84    | 5.35     | 36       | 582      | 1.1      | 15.9     | 5.2      | 324      | 0.81       | 1.3      | 0.3     | 1.1      | 0.049    |
| 11CB0733A | Skookum North | 626357 | 6990050 | WHI11001133-028 | 0.97     | 16.66    | 8.4      | 53.4     | 306      | 2        | 10.9     | 4.5      | 417      | 1.3        | 1.7      | 0.4     | 2        | 1.2      |
| 11CB0734A | Skookum North | 626357 | 6990099 | WHI11001133-029 | 0.82     | 27.89    | 10.11    | 122.6    | 1068     | 0.099    | 24.3     | 7.2      | 2457     | 1.56       | 2.2      | 0.5     | 0.099    | 0.2      |
| 11CB0735A | Skookum North | 626352 | 6990146 | WHI11001133-030 | 0.88     | 23.1     | 6.44     | 59.1     | 820      | 0.2      | 14.1     | 4.4      | 678      | 1.03       | 1.2      | 0.4     | 0.2      | 0.049    |
| 11CB0736A | Skookum North | 626354 | 6990197 | WHI11001133-031 | 0.94     | 22.79    | 6.72     | 29.7     | 443      | 1        | 15.4     | 3.5      | 83       | 0.78       | 1        | 0.3     | 1        | 0.049    |
| 11CB0737A | Skookum North | 626352 | 6990247 | WHI11001133-032 | 1.3      | 22.79    | 6.91     | 75.5     | 438      | 0.8      | 9.8      | 2.9      | 839      | 1.2        | 1.8      | 0.4     | 0.8      | 1.1      |
| 11CB0738A | Skookum North | 626345 | 6990303 | WHI11001133-033 | 2.44     | 18.59    | 9.07     | 91.3     | 512      | 2.8      | 9.7      | 3.6      | 1014     | 1.36       | 2.3      | 0.7     | 2.8      | 2.8      |
| 11CB0739A | Skookum North | 626350 | 6990350 | WHI11001133-034 | 5        | 31.21    | 14.99    | 103.2    | 807      | 6.3      | 21.9     | 9.1      | 495      | 3.96       | 8.2      | 1.5     | 6.3      | 7.9      |
| 11CB0740A | Skookum North | 626345 | 6990398 | WHI11001133-035 | 5.36     | 29.17    | 14.35    | 96.1     | 669      | 7.5      | 21.8     | 9.1      | 364      | 3.98       | 9        | 1.4     | 7.5      | 8.6      |
| 11CB0742A | Skookum North | 626373 | 6990448 | WHI11001133-037 | 5.38     | 29.46    | 16.07    | 110.8    | 746      | 8.2      | 21.5     | 9.7      | 559      | 4.16       | 8.7      | 1.4     | 8.2      | 8.8      |
| 11CB0743A | Skookum North | 626341 | 6990498 | WHI11001133-038 | 7.29     | 10.96    | 5.14     | 38.1     | 153      | 5.1      | 6.8      | 17.6     | 1375     | 1.28       | 1.4      | 2.5     | 5.1      | 1.4      |
| 11CB0744A | Skookum North | 626338 | 6990552 | WHI11001133-039 | 2.19     | 10.66    | 3.12     | 23.7     | 122      | 1.3      | 5.6      | 3.3      | 139      | 0.91       | 0.7      | 1.2     | 1.3      | 0.6      |
| 11CB0745A | Skookum North | 626339 | 6990597 | WHI11001133-040 | 3.49     | 13.04    | 2.33     | 17.6     | 102      | 1.2      | 4.8      | 9.5      | 521      | 0.9        | 1        | 1       | 1.2      | 0.6      |
| 11CB0746A | Skookum North | 626331 | 6990648 | WHI11001133-041 | 1.49     | 23.96    | 5.58     | 80.7     | 150      | 1        | 9.4      | 2.9      | 344      | 0.94       | 1        | 0.4     | 1        | 0.1      |
| 11CB0747A | Skookum North | 626336 | 6990706 | WHI11001133-042 | 2.63     | 20.92    | 2.72     | 24.9     | 219      | 2.8      | 6.2      | 5        | 247      | 1.05       | 0.8      | 2.1     | 2.8      | 0.9      |
| 11CB0748A | Skookum North | 626331 | 6990745 | WHI11001133-043 | 2.79     | 16.17    | 3.83     | 23.3     | 212      | 1.1      | 5.3      | 4.2      | 176      | 1.39       | 1.5      | 1.3     | 1.1      | 0.4      |
| 11CB0749A | Skookum North | 626332 | 6990800 | WHI11001133-044 | 3.4      | 17.14    | 6.35     | 44.2     | 210      | 1.4      | 8.4      | 8.8      | 350      | 1.94       | 2.3      | 1.5     | 1.4      | 1.3      |
| 11CB0750A | Skookum North | 626329 | 6990852 | WHI11001133-045 | 1.76     | 37.49    | 6.74     | 37       | 167      | 0.9      | 13.8     | 8.8      | 221      | 1.67       | 2.1      | 1.7     | 0.9      | 0.7      |
| 11CB0751A | Skookum North | 626328 | 6990901 | WHI11001133-046 | 2.15     | 52.07    | 16.78    | 47.4     | 422      | 1.4      | 18.3     | 35.9     | 3248     | 2.52       | 4.9      | 6.4     | 1.4      | 1        |
| 11CB0752A | Skookum North | 626325 | 6990956 | WHI11001345-248 | 0.93     | 19.88    | 4.43     | 25.1     | 309      | 0.099    | 8.3      | 2.3      | 80       | 0.76       | 1.1      | 2       | 0.099    | 0.1      |
| 11CB0753A | Skookum North | 626328 | 6991007 | WHI11001133-047 | 0.84     | 19.92    | 8.75     | 18.4     | 223      | 1        | 7        | 1.8      | 57       | 0.94       | 1.6      | 0.8     | 1        | 0.2      |
| 11CB0754A | Skookum North | 626323 | 6991049 | WHI11001133-048 | 1.05     | 31.88    | 7.32     | 25.7     | 712      | 1.8      | 8        | 2.3      | 59       | 0.81       | 0.9      | 1.2     | 1.8      | 0.2      |
| 11CB0755A | Skookum North | 626318 | 6991099 | WHI11001133-049 | 1.03     | 20.87    | 8.59     | 16.9     | 92       | 1.2      | 10       | 2.4      | 49       | 1.05       | 1.8      | 1.4     | 1.2      | 0.049    |
| 11CB0756A | Skookum North | 626317 | 6991151 | WHI11001133-050 | 0.91     | 16.5     | 7.2      | 18.8     | 669      | 1.4      | 5.8      | 2        | 43       | 0.85       | 1.4      | 0.7     | 1.4      | 0.049    |
| 11CB0757A | Skookum North | 626317 | 6991206 | WHI11001133-051 | 0.9      | 38.42    | 11.84    | 30.6     | 158      | 1.5      | 10.9     | 2.8      | 71       | 1.64       | 2.8      | 2.5     | 1.5      | 0.6      |
| 11CB0758A | Skookum North | 626314 | 6991255 | WHI11001133-052 | 0.83     | 24.76    | 7.77     | 15       | 176      | 0.5      | 8.8      | 2.1      | 42       | 1.21       | 2        | 0.9     | 0.5      | 0.2      |
| 11DS0738A | Skookum North | 626164 | 6989995 | WHI11001134-125 | 1.12     | 16.91    | 5.76     | 29.9     | 1021     | 0.8      | 8.7      | 2.4      | 139      | 0.71       | 1.4      | 0.4     | 0.8      | 0.049    |
| 11DS0739A | Skookum North | 626150 | 6990040 | WHI11001134-126 | 1.04     | 17.87    | 6.57     | 31.3     | 549      | 0.7      | 12.1     | 3.8      | 117      | 0.71       | 1.3      | 0.4     | 0.7      | 0.049    |
| 11DS0740A | Skookum North | 626156 | 6990091 | WHI11001134-127 | 1.34     | 36.83    | 6.53     | 35.7     | 623      | 0.8      | 22.8     | 6.5      | 199      | 1.05       | 1.6      | 0.7     | 0.8      | 0.049    |
| 11DS0741A | Skookum North | 626153 | 6990143 | WHI11001134-128 | 0.99     | 30.82    | 7.11     | 29.1     | 732      | 0.4      | 16.1     | 3.7      | 86       | 0.88       | 1.3      | 0.4     | 0.4      | 0.049    |
| 11DS0742A | Skookum North | 626157 | 6990190 | WHI11001134-129 | 1.3      | 26.34    | 6.32     | 23.6     | 517      | 1        | 12.5     | 3.7      | 81       | 0.86       | 1.7      | 0.3     | 1        | 0.049    |
| 11DS0743A | Skookum North | 626152 | 6990246 | WHI11001134-130 | 1.37     | 39.19    | 7.52     | 34.1     | 782      | 1.6      | 19.4     | 7.4      | 132      | 1.31       | 1.7      | 1.2     | 1.6      | 0.1      |
| 11DS0744A | Skookum North | 626152 | 6990290 | WHI11001134-131 | 1.47     | 14.31    | 3.52     | 41.8     | 133      | 1.2      | 7.7      | 5.1      | 715      | 0.93       | 1.9      | 0.4     | 1.2      | 0.4      |
| 11DS0745A | Skookum North | 626145 | 6990337 | WHI11001134-132 | 2.66     | 39.01    | 6.65     | 45.7     | 322      | 6.6      | 14.7     | 8.7      | 291      | 2          | 3.6      | 1.3     | 6.6      | 1.1      |
| 11DS0746A | Skookum North | 626152 | 6990392 | WHI11001134-133 | 1.02     | 68.71    | 7.26     | 48       | 372      | 2.8      | 20.3     | 7.1      | 357      | 1.3        | 1.4      | 1.3     | 2.8      | 0.3      |
| 11DS0747A | Skookum North | 626145 | 6990442 | WHI11001134-134 | 4.24     | 23.8     | 6.18     | 33       | 292      | 4.7      | 8.8      | 12.8     | 532      | 1.85       | 2.7      | 1.8     | 4.7      | 1.6      |
| 11DS0748A | Skookum North | 626139 | 6990493 | WHI11001134-135 | 2.66     | 18.27    | 4.28     | 26.1     | 179      | 2.8      | 6.9      | 3.5      | 114      | 1.38       | 2        | 1.1     | 2.8      | 1        |
| 11DS0749A | Skookum North | 626140 | 6990540 | WHI11001134-136 | 2.13     | 17.4     | 4.58     | 32.7     | 228      | 3        | 8.1      | 4.3      | 124      | 1.67       | 2.5      | 1.2     | 3        | 0.7      |
| 11DS0750A | Skookum North | 626135 | 6990591 | WHI11001134-137 | 1.66     | 18.48    | 6.94     | 48.1     | 160      | 2.4      | 12.6     | 10.4     | 345      | 2.23       | 3.5      | 1.2     | 2.4      | 1.8      |
| 11DS0751A | Skookum North | 626135 | 6990636 | WHI11001134-138 | 1.8      | 16.22    | 5.3      | 28.4     | 253      | 1.5      | 8.4      | 5.6      | 155      | 1.64       | 2.6      | 1.1     | 1.5      | 0.5      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11DS0752A | Skookum North | 626135 | 6990688 | WHI11001134-139 | 1.3     | 15.53    | 5.36     | 32.9     | 171      | 1.6      | 8.6      | 5.8      | 222     | 1.96       | 2.8      | 0.9     | 1.6      | 1        |
| 11DS0753A | Skookum North | 626134 | 6990741 | WHI11001134-140 | 4.55    | 13.31    | 2.78     | 15.5     | 58       | 0.3      | 4.3      | 3        | 71      | 0.93       | 0.5      | 1.3     | 0.3      | 1.5      |
| 11DS0754A | Skookum North | 626131 | 6990790 | WHI11001134-141 | 2.7     | 25.6     | 5.59     | 26.1     | 250      | 2.4      | 7.8      | 3.6      | 84      | 1.49       | 2.1      | 1.8     | 2.4      | 1.1      |
| 11DS0755A | Skookum North | 626129 | 6990841 | WHI11001134-142 | 2.75    | 19.7     | 8.31     | 42.9     | 169      | 1        | 11.4     | 5.1      | 138     | 2.35       | 3.2      | 1.5     | 1        | 2.6      |
| 11DS0756A | Skookum North | 626125 | 6990887 | WHI11001134-143 | 2.18    | 17.48    | 5.92     | 25.7     | 374      | 1        | 6        | 4.3      | 120     | 1.7        | 1.9      | 1.9     | 1        | 0.8      |
| 11DS0757A | Skookum North | 626123 | 6990939 | WHI11001134-144 | 1.23    | 46.9     | 10.26    | 31       | 338      | 0.8      | 12.6     | 14.2     | 394     | 1.7        | 2.4      | 3.1     | 0.8      | 0.6      |
| 11DS0758A | Skookum North | 626118 | 6990989 | WHI11001134-145 | 1.22    | 12.65    | 4.01     | 25.9     | 173      | 5.3      | 6.4      | 4.1      | 149     | 1.06       | 1.4      | 1.6     | 5.3      | 0.2      |
| 11DS0759A | Skookum North | 626120 | 6991045 | WHI11001134-146 | 0.86    | 12.21    | 4.81     | 27       | 203      | 4.6      | 8.6      | 9.3      | 584     | 1.49       | 1.7      | 2.1     | 4.6      | 0.7      |
| 11DS0760A | Skookum North | 626114 | 6991086 | WHI11001134-147 | 1.1     | 26.12    | 5.1      | 20.4     | 293      | 3        | 8.9      | 2.7      | 88      | 1.06       | 2.1      | 3.1     | 3        | 0.5      |
| 11DS0762A | Skookum North | 626114 | 6991140 | WHI11001134-149 | 0.93    | 16.69    | 6        | 28.9     | 208      | 4.3      | 10.1     | 3.6      | 72      | 1.64       | 3.1      | 1.3     | 4.3      | 0.5      |
| 11TB0757A | Skookum North | 626058 | 6989987 | WHI11001134-015 | 1.45    | 13.79    | 7.53     | 22.5     | 911      | 0.099    | 8.6      | 2.7      | 97      | 0.58       | 1.4      | 0.3     | 0.099    | 0.049    |
| 11TB0758A | Skookum North | 626059 | 6990030 | WHI11001134-016 | 2.02    | 19.74    | 8.03     | 27       | 297      | 8.7      | 18.5     | 3.9      | 118     | 1.38       | 2.7      | 0.3     | 8.7      | 0.049    |
| 11TB0759A | Skookum North | 626060 | 6990086 | WHI11001134-017 | 1.49    | 18.9     | 8.75     | 31.8     | 337      | 0.5      | 10.5     | 2.7      | 195     | 0.82       | 2.2      | 0.3     | 0.5      | 0.049    |
| 11TB0760A | Skookum North | 626051 | 6990137 | WHI11001134-018 | 1.03    | 12.57    | 7.57     | 52.3     | 217      | 1.1      | 7.8      | 2.5      | 102     | 1.28       | 3.7      | 0.3     | 1.1      | 0.049    |
| 11TB0762A | Skookum North | 626049 | 6990185 | WHI11001134-020 | 2.6     | 36.1     | 9.72     | 35.7     | 563      | 2.8      | 15.9     | 6.2      | 110     | 1.54       | 2.9      | 1.2     | 2.8      | 0.049    |
| 11TB0763A | Skookum North | 626049 | 6990243 | WHI11001134-021 | 2.26    | 17.29    | 4.24     | 30.4     | 325      | 1        | 12.1     | 5.1      | 136     | 1.36       | 2.8      | 0.7     | 1        | 0.4      |
| 11TB0764A | Skookum North | 626049 | 6990290 | WHI11001134-022 | 2.52    | 58.37    | 7.22     | 42       | 644      | 2.6      | 19.6     | 16.1     | 1071    | 2.23       | 3.8      | 2.5     | 2.6      | 0.4      |
| 11TB0765A | Skookum North | 626045 | 6990338 | WHI11001134-023 | 1.75    | 36.16    | 7.87     | 56.9     | 116      | 2.2      | 26.8     | 13.8     | 534     | 2.37       | 3.5      | 1.9     | 2.2      | 1.9      |
| 11TB0766A | Skookum North | 626043 | 6990383 | WHI11001134-024 | 2.47    | 27.41    | 5.39     | 47.4     | 73       | 1.8      | 15.4     | 11.1     | 530     | 2.04       | 3.8      | 1.2     | 1.8      | 1.6      |
| 11TB0767A | Skookum North | 626039 | 6990444 | WHI11001134-025 | 4.27    | 22.66    | 4.78     | 45.2     | 169      | 1.3      | 12.8     | 12.2     | 1574    | 1.76       | 3.1      | 1.5     | 1.3      | 0.6      |
| 11TB0768A | Skookum North | 626041 | 6990487 | WHI11001134-026 | 1.82    | 14.13    | 6.44     | 31.7     | 160      | 2        | 8.5      | 5        | 161     | 1.32       | 2.2      | 0.9     | 2        | 0.3      |
| 11TB0769A | Skookum North | 626040 | 6990541 | WHI11001134-027 | 1.71    | 17.36    | 7.17     | 43.1     | 202      | 3.6      | 13.5     | 6.8      | 210     | 1.86       | 3.5      | 0.9     | 3.6      | 0.6      |
| 11TB0770A | Skookum North | 626036 | 6990581 | WHI11001134-028 | 1.78    | 20.81    | 8.4      | 53.3     | 207      | 4.3      | 14.2     | 7.6      | 203     | 2.35       | 4.3      | 1.4     | 4.3      | 1.3      |
| 11TB0771A | Skookum North | 626038 | 6990640 | WHI11001134-029 | 2.04    | 14.08    | 5.85     | 38.7     | 112      | 1.6      | 8.9      | 5.8      | 196     | 1.59       | 3.1      | 0.9     | 1.6      | 0.8      |
| 11TB0772A | Skookum North | 626035 | 6990687 | WHI11001134-030 | 1.58    | 12.42    | 4.46     | 32.4     | 92       | 1.1      | 8        | 6.7      | 208     | 1.39       | 2.1      | 0.9     | 1.1      | 0.9      |
| 11TB0773A | Skookum North | 626036 | 6990740 | WHI11001134-031 | 1.2     | 14.16    | 7.2      | 42.1     | 119      | 3.5      | 13.1     | 5.8      | 183     | 1.68       | 3.2      | 0.9     | 3.5      | 1.4      |
| 11TB0774A | Skookum North | 626033 | 6990786 | WHI11001134-032 | 1.16    | 18.71    | 6.08     | 40.4     | 122      | 0.6      | 13.5     | 6.6      | 214     | 1.64       | 2.6      | 0.9     | 0.6      | 0.9      |
| 11TB0775A | Skookum North | 626027 | 6990844 | WHI11001134-033 | 1.18    | 14.59    | 5.74     | 32.7     | 309      | 1.3      | 6.5      | 2.5      | 89      | 0.93       | 1.6      | 0.4     | 1.3      | 0.2      |
| 11TB0776A | Skookum North | 626027 | 6990890 | WHI11001134-034 | 1.4     | 34.64    | 9.46     | 47.6     | 412      | 3.7      | 18.1     | 23.6     | 1638    | 2.83       | 3.8      | 2.6     | 3.7      | 3.5      |
| 11TB0777A | Skookum North | 626029 | 6990935 | WHI11001134-035 | 1.71    | 20.2     | 7.14     | 40.2     | 218      | 3.4      | 10.7     | 7.1      | 210     | 1.61       | 2.3      | 2.3     | 3.4      | 1.4      |
| 11TB0778A | Skookum North | 626022 | 6990997 | WHI11001134-036 | 1.32    | 29.67    | 7.43     | 32.6     | 588      | 0.6      | 10       | 6.4      | 216     | 1.21       | 2.1      | 2.7     | 0.6      | 0.3      |
| 11TB0779A | Skookum North | 626016 | 6991035 | WHI11001134-037 | 1.57    | 12.46    | 8.06     | 55.5     | 128      | 3.1      | 12.3     | 12       | 364     | 1.86       | 2.4      | 1.2     | 3.1      | 2.8      |
| 11TB0790A | Skookum North | 626016 | 6991092 | WHI11001134-048 | 1.21    | 17.03    | 4.94     | 20.3     | 200      | 1.2      | 6        | 2.2      | 71      | 0.88       | 1.1      | 1.2     | 1.2      | 1.2      |
| 11TB0791A | Skookum North | 626017 | 6991137 | WHI11001134-049 | 1.58    | 31.01    | 7.6      | 34.4     | 305      | 3.2      | 10.9     | 6        | 141     | 1.42       | 2        | 2.2     | 3.2      | 1.3      |
| 11AN0052A | Skookum North | 626213 | 6991244 | WHI11001133-153 | 1.44    | 21.66    | 8.2      | 36       | 456      | 2.3      | 11.5     | 12.4     | 1156    | 1.47       | 2.1      | 2.6     | 2.3      | 0.7      |
| 11AN0053A | Skookum North | 626216 | 6991293 | WHI11001133-154 | 1.01    | 9.57     | 6.84     | 21.5     | 82       | 1.2      | 6.1      | 2.4      | 89      | 1.41       | 4.5      | 0.3     | 1.2      | 0.2      |
| 11AN0054A | Skookum North | 626209 | 6991344 | WHI11001133-155 | 0.65    | 21.16    | 6.7      | 16.9     | 282      | 1.5      | 6.5      | 2.1      | 47      | 1.09       | 1.5      | 1       | 1.5      | 0.1      |
| 11AN0055A | Skookum North | 626208 | 6991400 | WHI11001133-156 | 0.92    | 18.5     | 6.21     | 40.7     | 356      | 2.1      | 16.6     | 7.2      | 357     | 1.9        | 2.1      | 1.1     | 2.1      | 0.7      |
| 11AN0056A | Skookum North | 626201 | 6991446 | WHI11001133-157 | 0.53    | 18.1     | 6.7      | 60       | 156      | 1.5      | 15.6     | 18.5     | 1639    | 2.47       | 2.9      | 0.8     | 1.5      | 2.3      |
| 11AN0057A | Skookum North | 626201 | 6991494 | WHI11001133-158 | 0.44    | 13.99    | 1.88     | 28.6     | 112      | 0.8      | 5.5      | 2.9      | 421     | 0.63       | 1        | 0.3     | 0.8      | 0.3      |
| 11AN0058A | Skookum North | 626201 | 6991553 | WHI11001133-159 | 0.7     | 7.64     | 7.41     | 47.2     | 115      | 0.9      | 10.2     | 6.5      | 323     | 2.49       | 4.7      | 0.4     | 0.9      | 1.7      |
| 11AN0059A | Skookum North | 626200 | 6991594 | WHI11001133-160 | 0.47    | 10.53    | 4.22     | 44.6     | 198      | 0.5      | 6.5      | 3.7      | 208     | 1.48       | 1.2      | 0.5     | 0.5      | 0.7      |
| 11AN0060A | Skookum North | 626208 | 6991651 | WHI11001133-161 | 0.66    | 12.75    | 6.84     | 53.1     | 160      | 1.1      | 12.4     | 9.4      | 939     | 2.49       | 3.9      | 0.8     | 1.1      | 1.8      |
| 11AN0062A | Skookum North | 626199 | 6991704 | WHI11001133-163 | 0.8     | 6.96     | 7.27     | 53.4     | 95       | 1.2      | 9        | 6.5      | 475     | 2.53       | 4.8      | 0.3     | 1.2      | 1.1      |
| 11AN0063A | Skookum North | 626185 | 6991738 | WHI11001133-164 | 0.78    | 8.11     | 7.37     | 48.9     | 102      | 0.2      | 11.6     | 7.3      | 875     | 2.35       | 5.1      | 0.5     | 0.2      | 2.1      |
| 11AN0064A | Skookum North | 626193 | 6991794 | WHI11001133-165 | 0.99    | 11.86    | 7.25     | 41.8     | 263      | 3.8      | 10.7     | 7.7      | 1174    | 2.25       | 4        | 0.4     | 3.8      | 1.3      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11AN0065A | Skookum North | 626195 | 6991848 | WHI11001133-166 | 0.73    | 7.83     | 6.79     | 43.3     | 148      | 1.9      | 9.9      | 5.8      | 612     | 1.94       | 3.5      | 0.2     | 1.9      | 0.9      |
| 11AN0066A | Skookum North | 626190 | 6991894 | WHI11001133-167 | 0.78    | 9.64     | 7.11     | 108.3    | 180      | 3.8      | 8.6      | 7.3      | 1430    | 2.35       | 2.7      | 0.2     | 3.8      | 0.3      |
| 11AN0067A | Skookum North | 626186 | 6991944 | WHI11001133-168 | 0.69    | 6.99     | 8.86     | 26.9     | 99       | 1.2      | 7.4      | 3.5      | 122     | 1.79       | 4.3      | 0.2     | 1.2      | 0.7      |
| 11AN0068A | Skookum North | 626185 | 6991994 | WHI11001133-169 | 0.5     | 6.63     | 6.2      | 11.3     | 64       | 1.9      | 3.4      | 1.4      | 38      | 0.78       | 2.7      | 0.2     | 1.9      | 0.1      |
| 11AN0069A | Skookum North | 626182 | 6992044 | WHI11001133-170 | 0.43    | 6.12     | 3.89     | 20.7     | 27       | 1.3      | 3.2      | 2.4      | 117     | 1.04       | 1.2      | 0.2     | 1.3      | 0.049    |
| 11AN0070A | Skookum North | 626180 | 6992094 | WHI11001133-171 | 0.56    | 8.61     | 4.83     | 35       | 171      | 2.7      | 6.8      | 14.2     | 1030    | 1.38       | 2.1      | 0.8     | 2.7      | 0.049    |
| 11AN0071A | Skookum North | 626178 | 6992144 | WHI11001133-172 | 0.24    | 10.35    | 3.24     | 13.1     | 460      | 2        | 4.7      | 1.4      | 47      | 0.9        | 0.5      | 1.1     | 2        | 0.049    |
| 11AN0072A | Skookum North | 626179 | 6992194 | WHI11001133-173 | 0.84    | 10.06    | 4.44     | 21.1     | 319      | 1.8      | 7.6      | 10.4     | 479     | 1.14       | 1        | 1.2     | 1.8      | 0.049    |
| 11AN0073A | Skookum North | 626174 | 6992244 | WHI11001133-174 | 0.89    | 30.69    | 3.22     | 31.2     | 604      | 1.4      | 27.5     | 35.9     | 3327    | 2.22       | 3.5      | 1.2     | 1.4      | 0.2      |
| 11AN0074A | Skookum North | 626173 | 6992294 | WHI11001133-175 | 1.3     | 9.57     | 5.29     | 36.5     | 340      | 2.3      | 7.9      | 11.1     | 701     | 1.55       | 2.5      | 1       | 2.3      | 0.2      |
| 11AN0075A | Skookum North | 626171 | 6992347 | WHI11001133-176 | 0.71    | 13.48    | 6.03     | 42.8     | 140      | 3        | 14.1     | 19       | 850     | 2.69       | 4.7      | 1       | 3        | 1.6      |
| 11CB0759A | Skookum North | 626312 | 6991302 | WHI11001133-053 | 0.98    | 23.77    | 4.21     | 23.8     | 422      | 1        | 12.3     | 6        | 74      | 1.06       | 1.5      | 0.4     | 1        | 0.049    |
| 11CB0760A | Skookum North | 626311 | 6991351 | WHI11001133-054 | 1.32    | 40.64    | 9.33     | 44.1     | 471      | 3        | 21.4     | 9.8      | 237     | 2.41       | 3        | 1.7     | 3        | 0.9      |
| 11CB0762A | Skookum North | 626304 | 6991401 | WHI11001133-056 | 0.68    | 17.66    | 2.02     | 21.7     | 208      | 1.5      | 11.4     | 4.2      | 314     | 0.73       | 0.049    | 1.3     | 1.5      | 1.8      |
| 11CB0763A | Skookum North | 626306 | 6991448 | WHI11001133-057 | 0.59    | 11.54    | 2.8      | 25.3     | 338      | 1.4      | 7.1      | 4.1      | 834     | 0.76       | 0.2      | 1.1     | 1.4      | 0.3      |
| 11CB0764A | Skookum North | 626307 | 6991501 | WHI11001133-058 | 1.34    | 9.98     | 4.09     | 53.5     | 507      | 1.4      | 7.2      | 2.2      | 150     | 0.81       | 0.9      | 0.3     | 1.4      | 0.1      |
| 11CB0765A | Skookum North | 626297 | 6991547 | WHI11001133-059 | 1.11    | 13.82    | 5.72     | 57       | 826      | 1.2      | 10.9     | 5.8      | 328     | 1.61       | 2.3      | 0.6     | 1.2      | 0.2      |
| 11CB0766A | Skookum North | 626305 | 6991614 | WHI11001133-060 | 1.16    | 8.84     | 2.84     | 28.9     | 536      | 0.3      | 6.2      | 2        | 151     | 0.51       | 0.8      | 0.2     | 0.3      | 0.049    |
| 11CB0767A | Skookum North | 626296 | 6991666 | WHI11001133-061 | 0.67    | 8.48     | 6.47     | 96.3     | 216      | 0.7      | 5.8      | 8.2      | 1069    | 0.95       | 2.1      | 0.2     | 0.7      | 0.1      |
| 11CB0768A | Skookum North | 626293 | 6991701 | WHI11001133-062 | 1.26    | 11.05    | 16.47    | 47.3     | 329      | 1        | 10.5     | 15.4     | 3388    | 1.41       | 1.6      | 0.4     | 1        | 0.2      |
| 11CB0769A | Skookum North | 626296 | 6991758 | WHI11001133-063 | 1       | 22.46    | 5.69     | 47.3     | 716      | 0.4      | 15.5     | 7.8      | 4227    | 1.45       | 2.3      | 0.2     | 0.4      | 0.3      |
| 11CB0770A | Skookum North | 626296 | 6991799 | WHI11001133-064 | 1.11    | 9.44     | 8.76     | 38.8     | 392      | 5.1      | 10.1     | 12.1     | 2660    | 1.85       | 3.4      | 0.3     | 5.1      | 0.2      |
| 11CB0771A | Skookum North | 626285 | 6991855 | WHI11001133-065 | 0.82    | 9.61     | 5.69     | 94.2     | 536      | 0.5      | 7.5      | 12.2     | 3155    | 0.96       | 1.5      | 0.1     | 0.5      | 0.1      |
| 11CB0772A | Skookum North | 626290 | 6991903 | WHI11001133-066 | 0.84    | 11.32    | 11.96    | 98.4     | 218      | 0.9      | 11.4     | 7.8      | 1726    | 1.45       | 2        | 0.1     | 0.9      | 0.3      |
| 11CB0773A | Skookum North | 626281 | 6991947 | WHI11001133-067 | 1.12    | 9.33     | 5.98     | 19.6     | 241      | 1.3      | 6        | 1.9      | 101     | 0.97       | 2.4      | 0.2     | 1.3      | 0.049    |
| 11CB0774A | Skookum North | 626285 | 6992000 | WHI11001133-068 | 0.88    | 13.58    | 6.75     | 17.6     | 111      | 0.7      | 7.1      | 2.2      | 71      | 1.11       | 2.7      | 0.3     | 0.7      | 0.049    |
| 11CB0775A | Skookum North | 626287 | 6992047 | WHI11001133-069 | 0.54    | 17.87    | 5.65     | 14.5     | 101      | 1        | 6.6      | 1.7      | 48      | 0.94       | 1        | 0.5     | 1        | 0.049    |
| 11CB0776A | Skookum North | 626281 | 6992099 | WHI11001133-070 | 0.47    | 15.16    | 4.6      | 22.9     | 248      | 2.2      | 6.9      | 3.1      | 336     | 0.87       | 0.8      | 0.9     | 2.2      | 0.049    |
| 11CB0777A | Skookum North | 626276 | 6992145 | WHI11001133-071 | 0.83    | 15.21    | 6.37     | 23.3     | 279      | 1.1      | 8.7      | 3.4      | 56      | 0.99       | 1.4      | 1       | 1.1      | 0.049    |
| 11CB0778A | Skookum North | 626275 | 6992191 | WHI11001133-072 | 0.56    | 13       | 3.6      | 14.1     | 190      | 0.6      | 4.9      | 1.6      | 54      | 0.6        | 0.8      | 0.2     | 0.6      | 0.049    |
| 11CB0779A | Skookum North | 626278 | 6992249 | WHI11001133-073 | 0.82    | 17.34    | 6.04     | 17       | 384      | 1.8      | 7.9      | 2.8      | 53      | 0.89       | 1.8      | 0.4     | 1.8      | 0.049    |
| 11CB0780A | Skookum North | 626274 | 6992291 | WHI11001133-074 | 0.64    | 12.23    | 4.93     | 15       | 314      | 0.7      | 5.6      | 3.1      | 57      | 1.02       | 1.4      | 1       | 0.7      | 0.1      |
| 11CB0782A | Skookum North | 626271 | 6992347 | WHI11001133-076 | 0.71    | 13.39    | 5.19     | 19.8     | 302      | 0.099    | 6.9      | 3.5      | 81      | 1.25       | 1.7      | 1       | 0.099    | 0.2      |
| 11DS0763A | Skookum North | 626114 | 6991192 | WHI11001134-150 | 1.25    | 29.05    | 6.4      | 43.4     | 432      | 3.6      | 16.2     | 12.7     | 1373    | 2.27       | 3.7      | 2.5     | 3.6      | 1.3      |
| 11DS0764A | Skookum North | 626115 | 6991238 | WHI11001134-151 | 1.46    | 12.29    | 4.6      | 26.9     | 232      | 3        | 7.8      | 4.5      | 230     | 1.33       | 1.7      | 2.1     | 3        | 0.5      |
| 11DS0765A | Skookum North | 626116 | 6991292 | WHI11001134-152 | 0.54    | 13.27    | 5.29     | 24.6     | 180      | 2.4      | 10.7     | 4.7      | 148     | 0.77       | 1.2      | 0.2     | 2.4      | 0.049    |
| 11DS0766A | Skookum North | 626106 | 6991341 | WHI11001134-153 | 0.54    | 17.36    | 5.97     | 15.3     | 218      | 1.2      | 5.9      | 1.5      | 26      | 0.63       | 1.2      | 0.4     | 1.2      | 0.049    |
| 11DS0767A | Skookum North | 626108 | 6991391 | WHI11001134-154 | 0.89    | 12.38    | 4.98     | 18.1     | 306      | 0.8      | 7.6      | 2.7      | 52      | 0.61       | 1.3      | 0.3     | 0.8      | 0.049    |
| 11DS0768A | Skookum North | 626106 | 6991438 | WHI11001134-155 | 0.69    | 17.02    | 6.05     | 15.9     | 228      | 1.2      | 7        | 2.5      | 36      | 0.69       | 1.1      | 0.4     | 1.2      | 0.049    |
| 11DS0769A | Skookum North | 626103 | 6991482 | WHI11001134-156 | 0.95    | 16.14    | 4.57     | 43.8     | 184      | 2.9      | 8.8      | 7.9      | 1859    | 1.33       | 2.9      | 0.6     | 2.9      | 0.2      |
| 11DS0770A | Skookum North | 626104 | 6991537 | WHI11001134-157 | 0.46    | 12.26    | 3.24     | 40.5     | 127      | 1.9      | 7.1      | 6.6      | 968     | 1.53       | 2.5      | 0.5     | 1.9      | 0.3      |
| 11DS0771A | Skookum North | 626100 | 6991587 | WHI11001134-158 | 0.41    | 11.8     | 2.01     | 25.9     | 150      | 2        | 5.2      | 3.6      | 257     | 0.84       | 1.3      | 0.9     | 2        | 0.2      |
| 11DS0772A | Skookum North | 626091 | 6991646 | WHI11001134-159 | 0.64    | 10.18    | 5.89     | 63.9     | 183      | 1.3      | 10.1     | 11.9     | 2100    | 2.16       | 2.4      | 0.2     | 1.3      | 0.3      |
| 11DS0773A | Skookum North | 626096 | 6991689 | WHI11001134-160 | 0.9     | 15.76    | 6.92     | 92.8     | 465      | 0.4      | 11.9     | 12.2     | 4962    | 1.83       | 2.9      | 0.2     | 0.4      | 0.049    |
| 11DS0774A | Skookum North | 626098 | 6991741 | WHI11001134-161 | 0.77    | 11.81    | 6.57     | 142.8    | 264      | 0.099    | 9.6      | 12       | 2088    | 1.88       | 3.3      | 0.2     | 0.099    | 0.049    |
| 11DS0775A | Skookum North | 626101 | 6991792 | WHI11001134-162 | 0.64    | 10.84    | 6.38     | 75.6     | 128      | 1.7      | 10       | 11.1     | 2142    | 1.57       | 2.7      | 0.2     | 1.7      | 0.3      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11DS0776A | Skookum North | 626094 | 6991848 | WHI11001134-163 | 0.58    | 12.46    | 6.39     | 96       | 257      | 1.2      | 8.9      | 10       | 2371    | 1.11       | 1.6      | 0.1     | 1.2      | 0.049    |
| 11DS0777A | Skookum North | 626092 | 6991895 | WHI11001134-164 | 0.47    | 14.92    | 4.49     | 143.1    | 284      | 1.3      | 6.6      | 9        | 2611    | 0.7        | 1.3      | 0.049   | 1.3      | 0.049    |
| 11DS0778A | Skookum North | 626085 | 6991945 | WHI11001134-165 | 0.61    | 13.36    | 6.03     | 251      | 196      | 1.2      | 9.4      | 12.2     | 5166    | 0.87       | 1.6      | 0.1     | 1.2      | 0.049    |
| 11DS0779A | Skookum North | 626085 | 6991987 | WHI11001134-166 | 0.93    | 15.05    | 5.05     | 20.3     | 684      | 0.7      | 9.7      | 2.9      | 56      | 0.64       | 1.4      | 0.2     | 0.7      | 0.049    |
| 11DS0780A | Skookum North | 626085 | 6992040 | WHI11001134-167 | 0.87    | 11.84    | 5.34     | 14.9     | 159      | 0.8      | 6.9      | 2        | 47      | 0.75       | 1.7      | 0.3     | 0.8      | 0.049    |
| 11DS0782A | Skookum North | 626081 | 6992093 | WHI11001134-169 | 0.94    | 14.37    | 7.46     | 16.2     | 419      | 1.4      | 6.9      | 1.9      | 46      | 0.93       | 1.8      | 0.5     | 1.4      | 0.049    |
| 11DS0783A | Skookum North | 626075 | 6992144 | WHI11001134-170 | 0.56    | 11.74    | 6.06     | 15.8     | 382      | 0.4      | 6.9      | 2.2      | 43      | 0.83       | 1        | 0.5     | 0.4      | 0.049    |
| 11DS0784A | Skookum North | 626078 | 6992192 | WHI11001134-171 | 0.58    | 12.55    | 6.08     | 13.7     | 130      | 1.2      | 4.6      | 1.6      | 37      | 0.6        | 0.9      | 0.4     | 1.2      | 0.049    |
| 11DS0785A | Skookum North | 626074 | 6992240 | WHI11001134-172 | 0.81    | 11.93    | 7.66     | 25.5     | 454      | 2.1      | 9        | 3.9      | 84      | 1.43       | 2.9      | 0.7     | 2.1      | 0.049    |
| 11DS0786A | Skookum North | 626074 | 6992289 | WHI11001134-173 | 0.67    | 9        | 4.95     | 15       | 429      | 0.5      | 5.1      | 1.9      | 32      | 0.61       | 1        | 0.4     | 0.5      | 0.049    |
| 11TB0792A | Skookum North | 626012 | 6991087 | WHI11001134-050 | 1.43    | 19.52    | 6.91     | 29.4     | 1594     | 1.7      | 8.2      | 3.4      | 92      | 0.97       | 1.6      | 1.3     | 1.7      | 0.2      |
| 11TB0793A | Skookum North | 626011 | 6991189 | WHI11001134-051 | 0.79    | 19.01    | 5.02     | 30.4     | 145      | 1.2      | 10.6     | 4.6      | 106     | 1.12       | 1.3      | 2.1     | 1.2      | 1.6      |
| 11TB0794A | Skookum North | 626013 | 6991237 | WHI11001134-052 | 0.91    | 14.41    | 7.22     | 58.8     | 105      | 1        | 12.2     | 9.5      | 415     | 2.11       | 2.5      | 0.9     | 1        | 2.7      |
| 11TB0796A | Skookum North | 626011 | 6991347 | WHI11001134-053 | 1.17    | 11.42    | 7.37     | 32.7     | 117      | 2.7      | 7.7      | 3.1      | 132     | 1.26       | 3.6      | 0.3     | 2.7      | 0.1      |
| 11TB0797A | Skookum North | 626004 | 6991390 | WHI11001134-054 | 1       | 19.33    | 8.31     | 29.4     | 366      | 1        | 8.2      | 4.6      | 186     | 1.76       | 3.6      | 0.8     | 1        | 0.1      |
| 11TB0798A | Skookum North | 626004 | 6991447 | WHI11001134-055 | 1.1     | 11.23    | 5.86     | 31       | 537      | 1.5      | 8.2      | 3.9      | 190     | 1.5        | 2.7      | 0.5     | 1.5      | 0.049    |
| 11TB0799A | Skookum North | 626002 | 6991496 | WHI11001134-056 | 1.04    | 14.09    | 5.97     | 28.8     | 489      | 0.099    | 8        | 3.7      | 146     | 0.94       | 1.5      | 0.4     | 0.099    | 0.049    |
| 11TB0800A | Skookum North | 625998 | 6991535 | WHI11001134-057 | 0.65    | 18.85    | 6.41     | 69.7     | 129      | 2.3      | 18.2     | 16       | 1361    | 2.52       | 3        | 1.1     | 2.3      | 1.7      |
| 11TB0802A | Skookum North | 625996 | 6991592 | WHI11001134-059 | 0.69    | 14.03    | 6        | 125.3    | 342      | 0.3      | 11.4     | 14.1     | 1777    | 1.98       | 2.2      | 0.3     | 0.3      | 0.5      |
| 11TB0803A | Skookum North | 625997 | 6991636 | WHI11001134-060 | 0.78    | 11.13    | 7.1      | 51.6     | 203      | 1.8      | 14.7     | 9.2      | 286     | 2.38       | 4.7      | 0.4     | 1.8      | 1.5      |
| 11TB0804A | Skookum North | 625992 | 6991690 | WHI11001134-061 | 1.17    | 12.87    | 8.29     | 62.4     | 351      | 0.7      | 12.5     | 12.6     | 1433    | 2.68       | 3.6      | 0.9     | 0.7      | 0.9      |
| 11TB0805A | Skookum North | 625985 | 6991738 | WHI11001134-062 | 1.13    | 12.06    | 8.25     | 61.7     | 164      | 1.7      | 15.6     | 10.3     | 706     | 2.65       | 4        | 0.3     | 1.7      | 1.1      |
| 11TB0806A | Skookum North | 625992 | 6991781 | WHI11001134-063 | 0.88    | 17.27    | 7.75     | 73.8     | 265      | 0.3      | 17.6     | 15.4     | 2683    | 2.67       | 3        | 0.3     | 0.3      | 1.4      |
| 11TB0807A | Skookum North | 625991 | 6991838 | WHI11001134-064 | 0.96    | 10.93    | 8.41     | 73.5     | 72       | 0.4      | 16.7     | 10.7     | 643     | 2.85       | 4.4      | 0.3     | 0.4      | 2        |
| 11TB0808A | Skookum North | 625987 | 6991886 | WHI11001134-065 | 1.02    | 10.05    | 7.77     | 67.9     | 79       | 1        | 14.9     | 9.3      | 705     | 2.71       | 4.5      | 0.3     | 1        | 1.3      |
| 11TB0809A | Skookum North | 625990 | 6991938 | WHI11001134-066 | 1.2     | 11.72    | 8.44     | 44.9     | 185      | 0.7      | 13.9     | 7.2      | 590     | 2.16       | 4.4      | 0.3     | 0.7      | 1.3      |
| 11TB0810A | Skookum North | 625978 | 6991988 | WHI11001134-067 | 1.22    | 14.5     | 10.77    | 110.4    | 203      | 0.5      | 10.5     | 12.6     | 3164    | 1.08       | 2.2      | 0.2     | 0.5      | 0.049    |
| 11TB0811A | Skookum North | 625983 | 6992039 | WHI11001134-068 | 0.94    | 15.05    | 4.75     | 24.9     | 366      | 0.6      | 6.2      | 2.4      | 72      | 0.74       | 1.5      | 0.2     | 0.6      | 0.049    |
| 11TB0812A | Skookum North | 625974 | 6992086 | WHI11001134-069 | 1.28    | 19.96    | 5        | 19.2     | 654      | 0.2      | 11.4     | 3.6      | 71      | 0.75       | 1.6      | 0.3     | 0.2      | 0.049    |
| 11TB0813A | Skookum North | 625974 | 6992137 | WHI11001134-070 | 1.02    | 11.38    | 4.85     | 28.7     | 181      | 0.9      | 7.7      | 4.3      | 123     | 1.29       | 2.3      | 0.3     | 0.9      | 0.1      |
| 11TB0814A | Skookum North | 625977 | 6992185 | WHI11001134-071 | 0.97    | 14.7     | 6.27     | 28.9     | 359      | 1.1      | 8        | 3.7      | 80      | 1.12       | 2        | 0.5     | 1.1      | 0.049    |
| 11TB0815A | Skookum North | 625976 | 6992231 | WHI11001134-072 | 0.92    | 15.73    | 7.07     | 30.5     | 408      | 1.7      | 11.9     | 5.2      | 141     | 1.55       | 2.5      | 0.9     | 1.7      | 0.2      |
| 11TB0816A | Skookum North | 625972 | 6992288 | WHI11001134-073 | 0.89    | 10.14    | 6.98     | 22       | 268      | 5.3      | 6.2      | 2.9      | 129     | 1.23       | 2.6      | 0.3     | 5.3      | 0.3      |
| 11TB0817A | Skookum North | 625971 | 6992315 | WHI11001134-074 | 0.69    | 14.27    | 5.01     | 15.5     | 134      | 2.3      | 6.6      | 2.4      | 55      | 0.74       | 1        | 0.3     | 2.3      | 0.049    |
| 11TB0818A | Skookum North | 626071 | 6992336 | WHI11001134-075 | 0.93    | 9.43     | 5.74     | 19.2     | 653      | 4.1      | 6.9      | 2.6      | 82      | 0.93       | 1.5      | 0.6     | 4.1      | 0.1      |
| 11AN0076A | Skookum North | 625959 | 6990034 | WHI11001133-177 | 25.39   | 23.2     | 9.04     | 27.7     | 771      | 8.4      | 16.6     | 24.1     | 2059    | 4.64       | 15.2     | 2.7     | 8.4      | 0.6      |
| 11AN0077A | Skookum North | 625955 | 6990134 | WHI11001133-178 | 1.55    | 13.6     | 7.05     | 40.8     | 257      | 3.9      | 14.2     | 4.4      | 120     | 2.03       | 4        | 1.1     | 3.9      | 1        |
| 11AN0078A | Skookum North | 625951 | 6990233 | WHI11001133-179 | 4.38    | 19.33    | 7.28     | 43.3     | 308      | 1.9      | 15       | 8.5      | 299     | 2.55       | 4.2      | 1.9     | 1.9      | 1        |
| 11AN0079A | Skookum North | 625947 | 6990333 | WHI11001133-180 | 1.5     | 20.11    | 5.13     | 34.8     | 180      | 1.6      | 11.4     | 5.2      | 182     | 1.63       | 2.6      | 0.6     | 1.6      | 0.5      |
| 11AN0080A | Skookum North | 625943 | 6990433 | WHI11001133-181 | 3.02    | 15.82    | 5.45     | 39.7     | 97       | 5.3      | 11.2     | 12.7     | 598     | 1.91       | 3.1      | 0.7     | 5.3      | 0.6      |
| 11AN0082A | Skookum North | 625938 | 6990538 | WHI11001133-183 | 1.54    | 11.88    | 4.48     | 31.6     | 134      | 1.7      | 8.1      | 3.5      | 95      | 1.28       | 1.9      | 0.5     | 1.7      | 0.8      |
| 11AN0083A | Skookum North | 625943 | 6990635 | WHI11001133-184 | 1.2     | 8.53     | 5.23     | 37.1     | 77       | 2.8      | 7.2      | 4.1      | 120     | 1.53       | 3.1      | 0.4     | 2.8      | 1.5      |
| 11AN0084A | Skookum North | 625937 | 6990730 | WHI11001133-185 | 1.06    | 11.65    | 6.26     | 39.1     | 119      | 0.9      | 8.6      | 5.4      | 191     | 1.68       | 3.4      | 0.6     | 0.9      | 1.4      |
| 11AN0085A | Skookum North | 625925 | 6990830 | WHI11001133-186 | 0.85    | 21       | 6.02     | 29.9     | 303      | 1.1      | 9.1      | 3        | 84      | 1.28       | 1.4      | 2       | 1.1      | 0.5      |
| 11AN0086A | Skookum North | 625924 | 6990933 | WHI11001133-187 | 0.63    | 28.48    | 5.58     | 24.4     | 236      | 2.3      | 9.6      | 5        | 381     | 1.33       | 1.7      | 5.6     | 2.3      | 0.8      |
| 11AN0087A | Skookum North | 625918 | 6991038 | WHI11001133-188 | 0.88    | 21.7     | 6.43     | 25       | 148      | 0.099    | 6.6      | 2.5      | 88      | 1.06       | 2.1      | 1.2     | 0.099    | 0.1      |



| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11AN0088A | Skookum North | 625922 | 6991140 | WHI11001133-189 | 1.19    | 25.03    | 8.08     | 19.5     | 139      | 0.099    | 7.5      | 2.1      | 51      | 1.17       | 1.9      | 1.7     | 0.099    | 0.4      |
| 11AN0089A | Skookum North | 625915 | 6991241 | WHI11001133-190 | 1.02    | 12.18    | 8.22     | 23.4     | 246      | 0.5      | 8.7      | 121.1    | 10000.1 | 1.75       | 1.3      | 1.9     | 0.5      | 0.4      |
| 11AN0090A | Skookum North | 625916 | 6991342 | WHI11001133-191 | 0.59    | 4.6      | 8.1      | 24.9     | 140      | 0.099    | 5.4      | 3.4      | 176     | 1.33       | 2.5      | 0.3     | 0.099    | 0.8      |
| 11AN0091A | Skookum North | 625902 | 6991441 | WHI11001133-192 | 0.49    | 11.26    | 3.71     | 15       | 420      | 2.5      | 4.6      | 1.5      | 46      | 0.62       | 0.7      | 0.3     | 2.5      | 0.049    |
| 11AN0092A | Skookum North | 625898 | 6991531 | WHI11001133-193 | 0.6     | 13.01    | 3.24     | 29.2     | 88       | 0.2      | 6.7      | 6.5      | 947     | 1.01       | 1.4      | 0.5     | 0.2      | 0.1      |
| 11DS0787A | Skookum North | 625868 | 6992341 | WHI11001134-174 | 0.65    | 16.67    | 6.68     | 15.3     | 374      | 0.4      | 7.3      | 1.6      | 26      | 0.65       | 1        | 0.3     | 0.4      | 0.049    |
| 11DS0788A | Skookum North | 625876 | 6992285 | WHI11001134-175 | 0.83    | 15.54    | 9.39     | 32.8     | 219      | 0.7      | 10.6     | 8.1      | 904     | 1.43       | 2.3      | 0.3     | 0.7      | 0.049    |
| 11DS0789A | Skookum North | 625877 | 6992232 | WHI11001134-176 | 0.82    | 13.52    | 6.38     | 14.4     | 427      | 0.4      | 8.7      | 2.8      | 40      | 0.7        | 1.4      | 0.2     | 0.4      | 0.049    |
| 11DS0790A | Skookum North | 625872 | 6992181 | WHI11001134-177 | 0.75    | 11.31    | 12.09    | 36.7     | 231      | 0.3      | 8        | 4.1      | 402     | 0.96       | 1.5      | 0.2     | 0.3      | 0.049    |
| 11DS0791A | Skookum North | 625879 | 6992131 | WHI11001134-178 | 0.76    | 16.52    | 5.98     | 22.1     | 77       | 0.3      | 9.5      | 5.4      | 46      | 0.75       | 1.1      | 0.2     | 0.3      | 0.049    |
| 11DS0792A | Skookum North | 625882 | 6992086 | WHI11001134-179 | 0.67    | 17.01    | 5.04     | 14.2     | 251      | 0.3      | 8.6      | 2.2      | 29      | 0.51       | 1        | 0.1     | 0.3      | 0.049    |
| 11DS0793A | Skookum North | 625880 | 6992032 | WHI11001134-180 | 0.56    | 13.4     | 6.41     | 64.9     | 179      | 0.4      | 8.7      | 7.4      | 727     | 0.81       | 1.3      | 0.1     | 0.4      | 0.049    |
| 11DS0794A | Skookum North | 625883 | 6991975 | WHI11001134-181 | 0.91    | 11.62    | 8.56     | 46.3     | 189      | 1.9      | 12.1     | 8.6      | 580     | 1.22       | 1.8      | 0.2     | 1.9      | 0.049    |
| 11DS0795A | Skookum North | 625884 | 6991929 | WHI11001134-182 | 0.85    | 10.99    | 7.72     | 118.4    | 163      | 1.3      | 9.6      | 7.3      | 3880    | 1.12       | 1.4      | 0.1     | 1.3      | 0.1      |
| 11DS0796A | Skookum North | 625887 | 6991889 | WHI11001134-183 | 0.61    | 12.66    | 6.95     | 89.8     | 232      | 1.3      | 8.7      | 9.3      | 3519    | 0.96       | 1.2      | 0.1     | 1.3      | 0.1      |
| 11DS0797A | Skookum North | 625893 | 6991835 | WHI11001134-184 | 0.73    | 13.89    | 8.88     | 87.7     | 171      | 1        | 14.9     | 12.4     | 2171    | 1.9        | 3.4      | 0.3     | 1        | 0.5      |
| 11DS0798A | Skookum North | 625890 | 6991782 | WHI11001134-185 | 0.84    | 12.17    | 7.03     | 171.9    | 143      | 0.6      | 9.3      | 9.7      | 3056    | 1.07       | 1.6      | 0.1     | 0.6      | 0.2      |
| 11DS0799A | Skookum North | 625892 | 6991734 | WHI11001134-186 | 0.86    | 13.15    | 8.77     | 85.3     | 354      | 1.2      | 14.1     | 12.7     | 2351    | 1.84       | 3        | 0.2     | 1.2      | 0.3      |
| 11DS0800A | Skookum North | 625893 | 6991682 | WHI11001134-187 | 0.78    | 15.95    | 7.13     | 96.3     | 404      | 0.4      | 15.5     | 11.9     | 3906    | 1.25       | 1.7      | 0.3     | 0.4      | 0.2      |
| 11TB0819A | Skookum North | 625957 | 6990085 | WHI11001134-076 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11TB0820A | Skookum North | 625957 | 6990185 | WHI11001134-077 | 1.65    | 25.35    | 7.8      | 63.3     | 224      | 5.9      | 19.5     | 9.8      | 279     | 2.66       | 4.7      | 1.1     | 5.9      | 1.2      |
| 11TB0822A | Skookum North | 625946 | 6990288 | WHI11001134-079 | 3.54    | 28.32    | 6.59     | 51.4     | 190      | 2.1      | 15.6     | 17.3     | 599     | 2.46       | 4.5      | 1.4     | 2.1      | 0.9      |
| 11TB0823A | Skookum North | 625935 | 6990388 | WHI11001134-080 | 2.4     | 11.87    | 2.44     | 33.7     | 203      | 0.5      | 5.1      | 4.3      | 163     | 0.75       | 1.2      | 0.3     | 0.5      | 0.3      |
| 11TB0824A | Skookum North | 625939 | 6990490 | WHI11001134-081 | 1.3     | 18.45    | 6.68     | 49.6     | 111      | 1.9      | 13.1     | 7.3      | 277     | 1.95       | 3.5      | 0.8     | 1.9      | 1.6      |
| 11TB0825A | Skookum North | 625938 | 6990586 | WHI11001134-082 | 1.11    | 19.37    | 6.91     | 37.2     | 202      | 1.9      | 11.2     | 11.2     | 294     | 1.74       | 2.5      | 2.3     | 1.9      | 2.1      |
| 11TB0826A | Skookum North | 625938 | 6990685 | WHI11001134-083 | 1.06    | 18.17    | 6.95     | 42.3     | 239      | 1.7      | 11.6     | 5.1      | 110     | 1.84       | 3.5      | 1.5     | 1.7      | 1.4      |
| 11TB0827A | Skookum North | 625938 | 6990783 | WHI11001134-084 | 0.97    | 22.41    | 9.05     | 23.3     | 208      | 0.6      | 9.6      | 2        | 69      | 0.92       | 2        | 1.9     | 0.6      | 1.1      |
| 11TB0828A | Skookum North | 625929 | 6990898 | WHI11001134-085 | 0.86    | 16.07    | 5.75     | 25.1     | 213      | 1.1      | 7.7      | 2.5      | 76      | 0.68       | 2.2      | 1.1     | 1.1      | 0.3      |
| 11TB0829A | Skookum North | 625925 | 6990987 | WHI11001134-086 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11TB0830A | Skookum North | 625927 | 6991084 | WHI11001134-087 | 2.48    | 21.9     | 8.69     | 85.3     | 144      | 0.8      | 12.8     | 9.2      | 361     | 2.81       | 4.5      | 1.8     | 0.8      | 5.8      |
| 11TB0831A | Skookum North | 625912 | 6991187 | WHI11001134-088 | 1.01    | 13.93    | 7.56     | 42.3     | 100      | 1.9      | 11.6     | 4.9      | 154     | 2.22       | 5.5      | 0.8     | 1.9      | 1        |
| 11TB0832A | Skookum North | 625913 | 6991292 | WHI11001134-089 | 1.21    | 13.07    | 8.57     | 46.4     | 107      | 1.9      | 11.3     | 6.4      | 431     | 2.34       | 3.8      | 0.7     | 1.9      | 1.1      |
| 11TB0833A | Skookum North | 625916 | 6991388 | WHI11001134-090 | 1.09    | 17.21    | 5.94     | 17.2     | 307      | 0.099    | 7.2      | 2.3      | 57      | 0.82       | 2.1      | 0.2     | 0.099    | 0.049    |
| 11TB0834A | Skookum North | 625894 | 6991483 | WHI11001134-091 | 0.99    | 11.17    | 8.57     | 29.1     | 220      | 0.8      | 7.6      | 3.3      | 135     | 1.7        | 3.9      | 0.4     | 0.8      | 0.2      |
| 11TB0835A | Skookum North | 625897 | 6991588 | WHI11001134-092 | 0.58    | 17.03    | 3.1      | 14.4     | 60       | 2        | 8.1      | 1.8      | 192     | 0.44       | 1.5      | 0.5     | 2        | 0.3      |
| 11TB0836A | Skookum North | 625887 | 6991650 | WHI11001134-093 | 0.96    | 13.67    | 6.31     | 46       | 392      | 1.6      | 10.5     | 6.9      | 926     | 1.75       | 3.1      | 0.3     | 1.6      | 0.6      |
| 11TB0837A | Skookum North | 625958 | 6989991 | WHI11001134-094 | 1.28    | 35.08    | 7.84     | 55.2     | 456      | 0.5      | 15       | 4.3      | 333     | 0.88       | 1.6      | 0.5     | 0.5      | 0.049    |
| 11AN0093A | Skookum North | 625856 | 6989975 | WHI11001133-194 | 1.1     | 16.64    | 7.73     | 16.4     | 212      | 1.8      | 7.6      | 2.9      | 42      | 1.09       | 1.8      | 0.5     | 1.8      | 0.1      |
| 11AN0094A | Skookum North | 625858 | 6990030 | WHI11001133-195 | 1.91    | 9.68     | 4.94     | 22.9     | 225      | 0.6      | 8.4      | 3.1      | 105     | 0.94       | 1.9      | 0.5     | 0.6      | 0.049    |
| 11AN0095A | Skookum North | 625856 | 6990080 | WHI11001133-196 | 4.01    | 15.51    | 6.3      | 35       | 259      | 2.5      | 11.4     | 8.6      | 961     | 1.17       | 1.7      | 1.9     | 2.5      | 0.1      |
| 11AN0096A | Skookum North | 625854 | 6990130 | WHI11001133-197 | 2.39    | 13.06    | 6.59     | 42.8     | 155      | 9.4      | 13.4     | 6.9      | 771     | 1.44       | 2.6      | 3.1     | 9.4      | 1.2      |
| 11AN0097A | Skookum North | 625853 | 6990180 | WHI11001133-198 | 8.36    | 10.6     | 7        | 43.4     | 215      | 7.4      | 11.8     | 13.6     | 1865    | 1.89       | 3.4      | 3.5     | 7.4      | 0.7      |
| 11AN0098A | Skookum North | 625847 | 6990230 | WHI11001133-199 | 10.05   | 12.88    | 6.67     | 55.9     | 161      | 10.1     | 13.9     | 14.3     | 3283    | 1.9        | 3.8      | 3.8     | 10.1     | 1.6      |
| 11AN0099A | Skookum North | 625842 | 6990281 | WHI11001133-200 | 4.31    | 15.29    | 7.47     | 46.8     | 166      | 6.1      | 14.1     | 11       | 777     | 2.04       | 3.6      | 3.8     | 6.1      | 1.9      |
| 11AN0100A | Skookum North | 625847 | 6990330 | WHI11001133-201 | 2.34    | 13.16    | 3.93     | 27.5     | 209      | 1.7      | 9.6      | 5        | 150     | 1.42       | 2        | 1.2     | 1.7      | 0.2      |
| 11AN0102A | Skookum North | 625841 | 6990378 | WHI11001203-104 | 1.31    | 14.43    | 7.26     | 43.3     | 87       | 3.7      | 14.4     | 6.9      | 148     | 2.11       | 4.2      | 0.8     | 3.7      | 1.9      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11AN0103A | Skookum North | 625844 | 6990430 | WHI11001203-105 | 2.77     | 9.5      | 3.52     | 25.6     | 147      | 1.3       | 7.2       | 3.4      | 80        | 1.17       | 1.8       | 0.5      | 1.3       | 0.7       |
| 11AN0104A | Skookum North | 625842 | 6990480 | WHI11001203-106 | 1.24     | 14.75    | 6.11     | 39.7     | 145      | 2.1       | 11.8      | 5.2      | 144       | 1.75       | 3.1       | 0.9      | 2.1       | 1.3       |
| 11AN0105A | Skookum North | 625840 | 6990530 | WHI11001203-107 | 1.06     | 13.44    | 5.04     | 35.3     | 149      | 5.5       | 6.8       | 4        | 131       | 1.7        | 2.6       | 0.7      | 5.5       | 1.5       |
| 11AN0106A | Skookum North | 625838 | 6990580 | WHI11001203-108 | 1.27     | 14.67    | 4.74     | 17       | 393      | 1.1       | 4.4       | 1.5      | 46        | 0.72       | 1         | 0.7      | 1.1       | 0.1       |
| 11AN0107A | Skookum North | 625836 | 6990629 | WHI11001203-109 | 0.96     | 17.59    | 8.94     | 24.3     | 188      | 3.1       | 18.5      | 3.6      | 76        | 1.19       | 1.9       | 1.1      | 3.1       | 0.3       |
| 11AN0108A | Skookum North | 625834 | 6990679 | WHI11001203-110 | 0.68     | 10.86    | 7.07     | 13.4     | 120      | 2.2       | 3.3       | 1.4      | 41        | 0.8        | 1.8       | 0.4      | 2.2       | 0.1       |
| 11AN0109A | Skookum North | 625832 | 6990729 | WHI11001203-111 | 0.85     | 49.79    | 8.68     | 14.8     | 353      | 0.099     | 9.8       | 1.7      | 31        | 0.88       | 1.5       | 1.5      | 0.099     | 0.5       |
| 11AN0110A | Skookum North | 625832 | 6990779 | WHI11001203-112 | 0.68     | 14.35    | 7.58     | 14.9     | 68       | 1.3       | 4.8       | 1.7      | 48        | 0.92       | 2         | 0.7      | 1.3       | 0.8       |
| 11AN0111A | Skookum North | 625828 | 6990829 | WHI11001203-113 | 0.56     | 17.55    | 6.37     | 17.6     | 121      | 0.4       | 4.7       | 2.2      | 66        | 1.11       | 1.9       | 0.7      | 0.4       | 0.4       |
| 11AN0112A | Skookum North | 625826 | 6990879 | WHI11001203-114 | 0.72     | 26.33    | 6.53     | 15.1     | 216      | 0.3       | 7.7       | 2.9      | 44        | 0.97       | 1.4       | 1.5      | 0.3       | 0.4       |
| 11AN0113A | Skookum North | 625824 | 6990929 | WHI11001203-115 | 0.67     | 21.99    | 5.04     | 14.8     | 147      | 0.3       | 5.9       | 2.2      | 32        | 0.67       | 0.9       | 0.8      | 0.3       | 0.2       |
| 11AN0114A | Skookum North | 625821 | 6990979 | WHI11001203-116 | 0.71     | 34.13    | 6.48     | 19.5     | 171      | 1.1       | 8         | 3.3      | 79        | 1.23       | 2         | 1        | 1.1       | 0.1       |
| 11AN0115A | Skookum North | 625820 | 6991029 | WHI11001203-117 | 0.85     | 35.79    | 5.31     | 37.1     | 141      | 0.4       | 10.8      | 6.5      | 207       | 2.09       | 3.3       | 0.5      | 0.4       | 0.6       |
| 11AN0116A | Skookum North | 625818 | 6991079 | WHI11001203-118 | 0.75     | 29.02    | 5.43     | 24.6     | 328      | 1         | 9.9       | 4        | 77        | 1.36       | 1.9       | 1.6      | 1         | 0.3       |
| 11AN0117A | Skookum North | 625816 | 6991129 | WHI11001203-119 | 0.57     | 16.68    | 3.32     | 21.8     | 213      | 1.3       | 9.8       | 5.7      | 162       | 1.11       | 1.3       | 2.8      | 1.3       | 0.7       |
| 11AN0118A | Skookum North | 625815 | 6991179 | WHI11001203-120 | 1.49     | 13.88    | 6.31     | 34       | 202      | 7.9       | 8.9       | 3.7      | 116       | 1.36       | 1.5       | 1.3      | 7.9       | 0.6       |
| 11CB0783A | Skookum North | 625655 | 6989973 | WHI11001133-077 | 3.5      | 27.61    | 8.73     | 38.9     | 620      | 3.2       | 12.8      | 4.5      | 209       | 1.72       | 2.5       | 1.3      | 3.2       | 3.2       |
| 11CB0784A | Skookum North | 625661 | 6990024 | WHI11001133-078 | 2.59     | 37.59    | 8.63     | 195.2    | 1083     | 0.6       | 17.7      | 5.2      | 1987      | 1.39       | 2.2       | 1        | 0.6       | 2.3       |
| 11CB0785A | Skookum North | 625658 | 6990072 | WHI11001133-079 | 1.97     | 17       | 3.71     | 44.9     | 245      | 0.2       | 10        | 3.5      | 346       | 0.66       | 1.4       | 0.7      | 0.2       | 0.049     |
| 11CB0786A | Skookum North | 625654 | 6990121 | WHI11001133-080 | 1.36     | 32.59    | 7.51     | 161.2    | 1247     | 0.099     | 18.1      | 5.1      | 2557      | 0.86       | 1.6       | 0.3      | 0.099     | 0.1       |
| 11CB0787A | Skookum North | 625653 | 6990171 | WHI11001133-081 | 3.36     | 33.69    | 10.07    | 42       | 344      | 5.1       | 17.6      | 6.9      | 459       | 1.6        | 3.5       | 2.1      | 5.1       | 1.5       |
| 11CB0788A | Skookum North | 625651 | 6990232 | WHI11001133-082 | 4        | 16.59    | 6.33     | 17.3     | 150      | 2.3       | 8.5       | 8.6      | 561       | 1.01       | 1.1       | 1.8      | 2.3       | 1.1       |
| 11CB0789A | Skookum North | 625649 | 6990267 | WHI11001133-083 | 5.77     | 11.99    | 3.86     | 25.5     | 83       | 0.9       | 8         | 8.6      | 505       | 1.04       | 1.9       | 1.2      | 0.9       | 0.7       |
| 11CB0790A | Skookum North | 625648 | 6990330 | WHI11001133-084 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11CB0791A | Skookum North | 625646 | 6990373 | WHI11001133-085 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11CB0792A | Skookum North | 625646 | 6990418 | WHI11001133-086 | 2.77     | 14.29    | 2.49     | 17.5     | 174      | 0.099     | 7.1       | 8.1      | 420       | 1.17       | 1.2       | 1.7      | 0.099     | 1         |
| 11CB0793A | Skookum North | 625641 | 6990474 | WHI11001133-087 | 1.55     | 17.6     | 5.12     | 28.8     | 93       | 0.099     | 8.5       | 4.2      | 253       | 0.71       | 1.3       | 0.8      | 0.099     | 0.6       |
| 11CB0794A | Skookum North | 625643 | 6990522 | WHI11001133-088 | 1.59     | 29.34    | 7.25     | 34.9     | 220      | 3.7       | 10.9      | 5.2      | 134       | 1.49       | 3.1       | 1.5      | 3.7       | 0.3       |
| 11CB0795A | Skookum North | 625634 | 6990577 | WHI11001133-089 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11CB0796A | Skookum North | 625634 | 6990617 | WHI11001133-090 | 1.42     | 25.02    | 4.86     | 28.9     | 158      | 0.9       | 11.8      | 5.5      | 105       | 1.25       | 1.7       | 1.6      | 0.9       | 0.2       |
| 11CB0797A | Skookum North | 625645 | 6990633 | WHI11001133-091 | 1.06     | 9.45     | 5.01     | 22       | 79       | 0.7       | 9         | 4.8      | 98        | 0.98       | 1.7       | 0.9      | 0.7       | 0.4       |
| 11CB0798A | Skookum North | 625631 | 6990724 | WHI11001133-092 | 1.18     | 20.01    | 4.7      | 25.5     | 267      | 3.2       | 10.7      | 5        | 64        | 0.95       | 1.3       | 1.6      | 3.2       | 0.4       |
| 11CB0799A | Skookum North | 625626 | 6990791 | WHI11001133-093 | 1.01     | 28.85    | 7.73     | 35.4     | 429      | 0.3       | 13.1      | 4.8      | 120       | 1.5        | 3.1       | 1.2      | 0.3       | 1.1       |
| 11CB0800A | Skookum North | 625622 | 6990826 | WHI11001133-094 | 0.98     | 14.48    | 4.16     | 23       | 231      | 0.9       | 8         | 3.3      | 70        | 1.06       | 1.4       | 1        | 0.9       | 0.3       |
| 11CB0802A | Skookum North | 625630 | 6990865 | WHI11001133-096 | 0.84     | 17.35    | 3.59     | 33.1     | 121      | 0.7       | 7.6       | 2.3      | 152       | 0.59       | 1.4       | 0.2      | 0.7       | 0.049     |
| 11CB0803A | Skookum North | 625622 | 6990934 | WHI11001133-097 | 0.57     | 11.78    | 5.86     | 16.3     | 114      | 0.5       | 4.3       | 1.3      | 36        | 0.6        | 1.1       | 0.4      | 0.5       | 0.1       |
| 11CB0804A | Skookum North | 625625 | 6990975 | WHI11001133-098 | 0.87     | 11.73    | 3.54     | 16.6     | 63       | 0.8       | 4.6       | 1.3      | 39        | 0.57       | 0.9       | 0.2      | 0.8       | 0.049     |
| 11CB0805A | Skookum North | 625621 | 6991023 | WHI11001133-099 | 0.7      | 8.58     | 4.63     | 18.9     | 68       | 0.099     | 6.7       | 2.2      | 64        | 0.64       | 1.9       | 0.2      | 0.099     | 0.049     |
| 11CB0806A | Skookum North | 625626 | 6991073 | WHI11001133-100 | 0.6      | 34.79    | 10.33    | 20.5     | 127      | 0.5       | 10.4      | 3.8      | 47        | 1.34       | 2         | 1.8      | 0.5       | 0.2       |
| 11CB0807A | Skookum North | 625617 | 6991120 | WHI11001133-101 | 0.83     | 12.56    | 3.42     | 19.2     | 253      | 0.3       | 7.8       | 2.1      | 83        | 0.66       | 0.9       | 1.2      | 0.3       | 0.1       |
| 11CB0808A | Skookum North | 625618 | 6991171 | WHI11001203-001 | 1.13     | 21.84    | 12.84    | 26.8     | 143      | 4.8       | 8.4       | 2.9      | 91        | 1.3        | 2.7       | 1.2      | 4.8       | 0.3       |
| 11CB0809A | Skookum North | 625623 | 6991216 | WHI11001203-002 | 1.21     | 13.04    | 6.95     | 19.8     | 401      | 1.4       | 7.3       | 3.7      | 52        | 1.08       | 2         | 0.9      | 1.4       | 0.2       |
| 11DS0802A | Skookum North | 625761 | 6989975 | WHI11001134-189 | 0.99     | 18.86    | 8.11     | 22.9     | 230      | 0.9       | 10.7      | 2.5      | 75        | 0.86       | 1.6       | 0.3      | 0.9       | 0.049     |
| 11DS0803A | Skookum North | 625762 | 6990027 | WHI11001134-190 | 1.72     | 18.64    | 8.93     | 32       | 666      | 2.6       | 16.6      | 4.1      | 124       | 1.65       | 3.3       | 0.8      | 2.6       | 0.2       |
| 11DS0804A | Skookum North | 625760 | 6990077 | WHI11001134-191 | 1.6      | 20.87    | 8.37     | 23.3     | 148      | 2.8       | 12.1      | 2.2      | 52        | 0.95       | 1.7       | 0.3      | 2.8       | 0.049     |
| 11DS0805A | Skookum North | 625754 | 6990130 | WHI11001134-192 | 7.16     | 20.68    | 8.67     | 44.5     | 372      | 21.7      | 22        | 7.6      | 602       | 2.25       | 3.9       | 7.8      | 21.7      | 0.9       |



| Sample No | Area          | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|---------|----------|----------|
| 11DS0806A | Skookum North | 625754 | 6990173 | WHI11001134-193 | 14.36    | 13.46    | 6.79     | 30.1     | 247      | 14.1     | 15.2     | 20.3     | 3360     | 2.36       | 3.4      | 3.5     | 14.1     | 0.9      |
| 11DS0807A | Skookum North | 625749 | 6990227 | WHI11001134-194 | 2.25     | 12.31    | 4.89     | 23.7     | 163      | 11.4     | 9.2      | 2.8      | 224      | 0.75       | 1.5      | 1.5     | 11.4     | 0.7      |
| 11DS0808A | Skookum North | 625749 | 6990276 | WHI11001134-195 | 8.09     | 11.08    | 18.08    | 25.4     | 152      | 8.6      | 18       | 17.4     | 1152     | 1.4        | 1.4      | 2.1     | 8.6      | 0.4      |
| 11DS0809A | Skookum North | 625747 | 6990326 | WHI11001134-196 | 5.75     | 7.03     | 5.98     | 25.7     | 120      | 8.5      | 7.9      | 4.6      | 144      | 1.47       | 2.1      | 1.1     | 8.5      | 0.7      |
| 11DS0810A | Skookum North | 625745 | 6990374 | WHI11001134-197 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0811A | Skookum North | 625745 | 6990424 | WHI11001134-198 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0812A | Skookum North | 625744 | 6990465 | WHI11001134-199 | 3.03     | 12.36    | 6.17     | 29.2     | 87       | 4.6      | 9.7      | 7.3      | 247      | 1.56       | 2.3      | 1.7     | 4.6      | 0.7      |
| 11DS0813A | Skookum North | 625738 | 6990525 | WHI11001134-200 | 2.04     | 12.13    | 9.02     | 32.1     | 193      | 2.9      | 9.5      | 4.9      | 91       | 1.42       | 2.3      | 1.1     | 2.9      | 0.3      |
| 11DS0814A | Skookum North | 625739 | 6990574 | WHI11001134-201 | 1.41     | 15.29    | 5.92     | 24.7     | 291      | 2.8      | 7.3      | 3.4      | 66       | 1.01       | 1.6      | 1       | 2.8      | 0.1      |
| 11DS0815A | Skookum North | 625731 | 6990629 | WHI11001183-001 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0815A | Skookum North | 625731 | 6990629 | WHI11001183-001 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0816A | Skookum North | 625736 | 6990679 | WHI11001183-002 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0816A | Skookum North | 625736 | 6990679 | WHI11001183-002 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0817A | Skookum North | 625732 | 6990727 | WHI11001183-003 | 0.82     | 11.99    | 3.05     | 15.1     | 417      | 2        | 5.9      | 2.1      | 28       | 0.59       | 1.6      | 0.3     | 2        | 0.049    |
| 11DS0817A | Skookum North | 625732 | 6990727 | WHI11001183-003 | 0.82     | 11.99    | 3.05     | 15.1     | 417      | 2        | 5.9      | 2.1      | 28       | 0.59       | 1.6      | 0.3     | 2        | 0.049    |
| 11DS0818A | Skookum North | 625733 | 6990780 | WHI11001183-004 | 0.9      | 13.75    | 6.46     | 14.4     | 776      | 3.4      | 8.8      | 2.2      | 59       | 0.72       | 1.7      | 0.4     | 3.4      | 0.049    |
| 11DS0818A | Skookum North | 625733 | 6990780 | WHI11001183-004 | 0.9      | 13.75    | 6.46     | 14.4     | 776      | 3.4      | 8.8      | 2.2      | 59       | 0.72       | 1.7      | 0.4     | 3.4      | 0.049    |
| 11DS0819A | Skookum North | 625726 | 6990825 | WHI11001183-005 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0819A | Skookum North | 625726 | 6990825 | WHI11001183-005 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0820A | Skookum North | 625727 | 6990877 | WHI11001183-006 | 0.89     | 10.56    | 7.41     | 13.5     | 90       | 3.2      | 6.3      | 1.8      | 37       | 0.75       | 1.6      | 0.3     | 3.2      | 0.049    |
| 11DS0820A | Skookum North | 625727 | 6990877 | WHI11001183-006 | 0.89     | 10.56    | 7.41     | 13.5     | 90       | 3.2      | 6.3      | 1.8      | 37       | 0.75       | 1.6      | 0.3     | 3.2      | 0.049    |
| 11DS0822A | Skookum North | 625727 | 6990929 | WHI11001183-008 | 0.65     | 14.2     | 6.44     | 10.5     | 282      | 2.2      | 5.7      | 1.4      | 37       | 0.67       | 1        | 0.3     | 2.2      | 0.049    |
| 11DS0822A | Skookum North | 625727 | 6990929 | WHI11001183-008 | 0.65     | 14.2     | 6.44     | 10.5     | 282      | 2.2      | 5.7      | 1.4      | 37       | 0.67       | 1        | 0.3     | 2.2      | 0.049    |
| 11DS0823A | Skookum North | 625725 | 6990978 | WHI11001183-009 | 0.67     | 14.78    | 6.65     | 12.9     | 221      | 2.3      | 4.2      | 1.1      | 32       | 0.74       | 1.4      | 0.7     | 2.3      | 0.049    |
| 11DS0823A | Skookum North | 625725 | 6990978 | WHI11001183-009 | 0.67     | 14.78    | 6.65     | 12.9     | 221      | 2.3      | 4.2      | 1.1      | 32       | 0.74       | 1.4      | 0.7     | 2.3      | 0.049    |
| 11DS0824A | Skookum North | 625719 | 6991031 | WHI11001183-010 | 0.68     | 11.07    | 8.04     | 11.6     | 377      | 3.4      | 6.3      | 2.4      | 30       | 0.7        | 1.3      | 0.5     | 3.4      | 0.049    |
| 11DS0824A | Skookum North | 625719 | 6991031 | WHI11001183-010 | 0.68     | 11.07    | 8.04     | 11.6     | 377      | 3.4      | 6.3      | 2.4      | 30       | 0.7        | 1.3      | 0.5     | 3.4      | 0.049    |
| 11DS0825A | Skookum North | 625722 | 6991077 | WHI11001183-011 | 1.03     | 16.03    | 5.38     | 13.8     | 304      | 3        | 7        | 2.1      | 39       | 0.76       | 1        | 1.7     | 3        | 0.049    |
| 11DS0825A | Skookum North | 625722 | 6991077 | WHI11001183-011 | 1.03     | 16.03    | 5.38     | 13.8     | 304      | 3        | 7        | 2.1      | 39       | 0.76       | 1        | 1.7     | 3        | 0.049    |
| 11DS0826A | Skookum North | 625720 | 6991127 | WHI11001183-012 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0826A | Skookum North | 625720 | 6991127 | WHI11001183-012 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0827A | Skookum North | 625717 | 6991176 | WHI11001183-013 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0827A | Skookum North | 625717 | 6991176 | WHI11001183-013 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11TB0838A | Skookum North | 625555 | 6989969 | WHI11001134-095 | 0.93     | 18.88    | 8.01     | 17.3     | 178      | 0.5      | 7.8      | 1.7      | 116      | 0.74       | 0.9      | 0.4     | 0.5      | 0.049    |
| 11TB0839A | Skookum North | 625554 | 6990019 | WHI11001134-096 | 1.78     | 41       | 14.14    | 44.8     | 385      | 2.8      | 20.8     | 5.9      | 162      | 1.51       | 3.5      | 1.3     | 2.8      | 0.2      |
| 11TB0840A | Skookum North | 625555 | 6990071 | WHI11001134-097 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11TB0842A | Skookum North | 625553 | 6990119 | WHI11001134-099 | 2.47     | 37.82    | 12.23    | 43.3     | 156      | 2        | 18.7     | 6.7      | 128      | 1.75       | 10.2     | 1.7     | 2        | 0.6      |
| 11TB0843A | Skookum North | 625555 | 6990169 | WHI11001134-100 | 3.57     | 26.2     | 7.87     | 52.9     | 236      | 7.4      | 16.6     | 5.8      | 244      | 1.76       | 5.2      | 2.1     | 7.4      | 2.4      |
| 11TB0844A | Skookum North | 625555 | 6990220 | WHI11001134-101 | 4.06     | 19.56    | 9.4      | 52.2     | 178      | 3.8      | 14.5     | 6.4      | 241      | 1.69       | 3.5      | 1.4     | 3.8      | 0.5      |
| 11TB0845A | Skookum North | 625555 | 6990269 | WHI11001183-098 | 1.81     | 13.59    | 3.54     | 39.3     | 120      | 1        | 6.1      | 2.4      | 437      | 0.64       | 1.2      | 0.7     | 1        | 0.1      |
| 11TB0845A | Skookum North | 625555 | 6990269 | WHI11001183-098 | 1.81     | 13.59    | 3.54     | 39.3     | 120      | 1        | 6.1      | 2.4      | 437      | 0.64       | 1.2      | 0.7     | 1        | 0.1      |
| 11TB0846A | Skookum North | 625551 | 6990321 | WHI11001183-099 | 1.5      | 25.43    | 6.21     | 36.8     | 226      | 1        | 14.5     | 5.4      | 212      | 1.1        | 1.9      | 1       | 1        | 0.3      |
| 11TB0846A | Skookum North | 625551 | 6990321 | WHI11001183-099 | 1.5      | 25.43    | 6.21     | 36.8     | 226      | 1        | 14.5     | 5.4      | 212      | 1.1        | 1.9      | 1       | 1        | 0.3      |
| 11TB0890A | Skookum North | 625545 | 6990524 | WHI11001183-141 | 1.09     | 12.4     | 4.81     | 31.2     | 104      | 1.9      | 8.2      | 3.7      | 123      | 0.93       | 2.2      | 0.5     | 1.9      | 0.2      |
| 11TB0890A | Skookum North | 625545 | 6990524 | WHI11001183-141 | 1.09     | 12.4     | 4.81     | 31.2     | 104      | 1.9      | 8.2      | 3.7      | 123      | 0.93       | 2.2      | 0.5     | 1.9      | 0.2      |
| 11TB0891A | Skookum North | 625542 | 6990571 | WHI11001183-142 | 0.95     | 13.15    | 6.36     | 35       | 189      | 2.5      | 9.7      | 4.3      | 127      | 1.44       | 2.6      | 1.2     | 2.5      | 0.9      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11TB0891A | Skookum North | 625542 | 6990571 | WHI11001183-142 | 0.95    | 13.15    | 6.36     | 35       | 189      | 2.5       | 9.7       | 4.3      | 127       | 1.44       | 2.6       | 1.2      | 2.5       | 0.9       |
| 11TB0892A | Skookum North | 625542 | 6990620 | WHI11001183-143 | 1.22    | 10.61    | 6.48     | 34.3     | 209      | 2.8       | 9.7       | 4        | 132       | 1.31       | 3.4       | 0.8      | 2.8       | 0.9       |
| 11TB0892A | Skookum North | 625542 | 6990620 | WHI11001183-143 | 1.22    | 10.61    | 6.48     | 34.3     | 209      | 2.8       | 9.7       | 4        | 132       | 1.31       | 3.4       | 0.8      | 2.8       | 0.9       |
| 11TB0893A | Skookum North | 625536 | 6990672 | WHI11001183-144 | 0.87    | 15.59    | 7.69     | 45.8     | 233      | 3.4       | 15.7      | 8.4      | 268       | 2.16       | 5.1       | 1.9      | 3.4       | 1.6       |
| 11TB0893A | Skookum North | 625536 | 6990672 | WHI11001183-144 | 0.87    | 15.59    | 7.69     | 45.8     | 233      | 3.4       | 15.7      | 8.4      | 268       | 2.16       | 5.1       | 1.9      | 3.4       | 1.6       |
| 11TB0894A | Skookum North | 625537 | 6990722 | WHI11001183-145 | 1.05    | 10.25    | 4.38     | 30       | 127      | 2.3       | 9.4       | 3.6      | 121       | 1.44       | 2.7       | 1.2      | 2.3       | 0.6       |
| 11TB0894A | Skookum North | 625537 | 6990722 | WHI11001183-145 | 1.05    | 10.25    | 4.38     | 30       | 127      | 2.3       | 9.4       | 3.6      | 121       | 1.44       | 2.7       | 1.2      | 2.3       | 0.6       |
| 11TB0895A | Skookum North | 625531 | 6990770 | WHI11001183-146 | 0.63    | 9.11     | 2.55     | 15.6     | 307      | 1.9       | 5.8       | 3.1      | 44        | 0.58       | 1.4       | 0.6      | 1.9       | 0.5       |
| 11TB0895A | Skookum North | 625531 | 6990770 | WHI11001183-146 | 0.63    | 9.11     | 2.55     | 15.6     | 307      | 1.9       | 5.8       | 3.1      | 44        | 0.58       | 1.4       | 0.6      | 1.9       | 0.5       |
| 11TB0896A | Skookum North | 625526 | 6990813 | WHI11001183-147 | 1.11    | 9.29     | 4.6      | 32       | 58       | 1.6       | 10.6      | 3.9      | 107       | 1.34       | 2.1       | 0.9      | 1.6       | 1.1       |
| 11TB0896A | Skookum North | 625526 | 6990813 | WHI11001183-147 | 1.11    | 9.29     | 4.6      | 32       | 58       | 1.6       | 10.6      | 3.9      | 107       | 1.34       | 2.1       | 0.9      | 1.6       | 1.1       |
| 11TB0897A | Skookum North | 625526 | 6990864 | WHI11001183-148 | 0.98    | 14.29    | 6.4      | 80.2     | 118      | 2.5       | 15.7      | 12.8     | 2600      | 1.68       | 3.1       | 0.3      | 2.5       | 0.7       |
| 11TB0897A | Skookum North | 625526 | 6990864 | WHI11001183-148 | 0.98    | 14.29    | 6.4      | 80.2     | 118      | 2.5       | 15.7      | 12.8     | 2600      | 1.68       | 3.1       | 0.3      | 2.5       | 0.7       |
| 11TB0898A | Skookum North | 625520 | 6990924 | WHI11001183-149 | 1.66    | 24.04    | 7.06     | 38       | 215      | 2.7       | 14.8      | 6        | 134       | 2.45       | 4.7       | 2.7      | 2.7       | 2.5       |
| 11TB0898A | Skookum North | 625520 | 6990924 | WHI11001183-149 | 1.66    | 24.04    | 7.06     | 38       | 215      | 2.7       | 14.8      | 6        | 134       | 2.45       | 4.7       | 2.7      | 2.7       | 2.5       |
| 11TB0899A | Skookum North | 625522 | 6990970 | WHI11001183-150 | 1.1     | 10.3     | 3.03     | 18.2     | 74       | 0.7       | 6.2       | 2.5      | 114       | 0.79       | 1.3       | 0.5      | 0.7       | 0.2       |
| 11TB0899A | Skookum North | 625522 | 6990970 | WHI11001183-150 | 1.1     | 10.3     | 3.03     | 18.2     | 74       | 0.7       | 6.2       | 2.5      | 114       | 0.79       | 1.3       | 0.5      | 0.7       | 0.2       |
| 11TB0900A | Skookum North | 625517 | 6991020 | WHI11001183-151 | 1.05    | 12.25    | 4.09     | 10.5     | 134      | 1.2       | 5.6       | 1.3      | 40        | 0.54       | 0.8       | 0.5      | 1.2       | 0.049     |
| 11TB0900A | Skookum North | 625517 | 6991020 | WHI11001183-151 | 1.05    | 12.25    | 4.09     | 10.5     | 134      | 1.2       | 5.6       | 1.3      | 40        | 0.54       | 0.8       | 0.5      | 1.2       | 0.049     |
| 11TB0902A | Skookum North | 625514 | 6991075 | WHI11001183-153 | 0.61    | 13.99    | 5.49     | 19.5     | 99       | 5.1       | 5.3       | 1.4      | 39        | 0.61       | 0.9       | 0.2      | 5.1       | 0.049     |
| 11TB0902A | Skookum North | 625514 | 6991075 | WHI11001183-153 | 0.61    | 13.99    | 5.49     | 19.5     | 99       | 5.1       | 5.3       | 1.4      | 39        | 0.61       | 0.9       | 0.2      | 5.1       | 0.049     |
| 11TB0903A | Skookum North | 625512 | 6991173 | WHI11001183-154 | 0.68    | 13.33    | 4.86     | 14.4     | 69       | 1.8       | 5.7       | 1.8      | 58        | 0.78       | 1         | 0.2      | 1.8       | 0.049     |
| 11TB0903A | Skookum North | 625512 | 6991173 | WHI11001183-154 | 0.68    | 13.33    | 4.86     | 14.4     | 69       | 1.8       | 5.7       | 1.8      | 58        | 0.78       | 1         | 0.2      | 1.8       | 0.049     |
| 11TB0903A | Skookum North | 625514 | 6991122 | WHI11001183-154 | 0.68    | 13.33    | 4.86     | 14.4     | 69       | 1.8       | 5.7       | 1.8      | 58        | 0.78       | 1         | 0.2      | 1.8       | 0.049     |
| 11TB0903A | Skookum North | 625514 | 6991122 | WHI11001183-154 | 0.68    | 13.33    | 4.86     | 14.4     | 69       | 1.8       | 5.7       | 1.8      | 58        | 0.78       | 1         | 0.2      | 1.8       | 0.049     |
| 11AN0119A | Skookum North | 625813 | 6991229 | WHI11001203-121 | 0.63    | 15.8     | 3.29     | 36.6     | 122      | 0.4       | 12.8      | 10.8     | 2388      | 1.82       | 1.9       | 2.9      | 0.4       | 0.7       |
| 11AN0120A | Skookum North | 625820 | 6991283 | WHI11001203-122 | 0.87    | 11.8     | 6.28     | 30.1     | 105      | 0.9       | 8.2       | 3.6      | 116       | 1.69       | 2.9       | 0.5      | 0.9       | 0.049     |
| 11AN0122A | Skookum North | 625818 | 6991333 | WHI11001203-124 | 0.61    | 13.46    | 5.2      | 75.7     | 163      | 0.099     | 9.1       | 8.2      | 1389      | 2.33       | 3.1       | 0.2      | 0.099     | 0.3       |
| 11AN0123A | Skookum North | 625809 | 6991370 | WHI11001203-125 | 1.03    | 21.47    | 8.4      | 36.6     | 347      | 0.7       | 10.6      | 4.5      | 123       | 1.73       | 2.8       | 0.5      | 0.7       | 0.2       |
| 11AN0124A | Skookum North | 625813 | 6991431 | WHI11001203-126 | 0.82    | 11.26    | 5.83     | 22.7     | 253      | 0.099     | 6         | 2.5      | 66        | 0.96       | 1.4       | 0.5      | 0.099     | 0.049     |
| 11AN0125A | Skookum North | 625810 | 6991476 | WHI11001203-127 | 0.79    | 9.71     | 5.62     | 23.7     | 166      | 1.4       | 6         | 3        | 107       | 1.24       | 3         | 0.3      | 1.4       | 0.1       |
| 11AN0126A | Skookum North | 625801 | 6991529 | WHI11001203-128 | 0.55    | 15.85    | 4.1      | 76.6     | 68       | 0.9       | 11.8      | 7.6      | 822       | 1.47       | 2.3       | 0.5      | 0.9       | 0.7       |
| 11AN0127A | Skookum North | 625805 | 6991589 | WHI11001203-129 | 0.58    | 8.22     | 3.98     | 33.6     | 277      | 0.5       | 5.8       | 4.9      | 1103      | 0.92       | 1.5       | 0.2      | 0.5       | 0.2       |
| 11AN0128A | Skookum North | 625798 | 6991638 | WHI11001203-130 | 1.02    | 13.03    | 7.56     | 37       | 548      | 0.099     | 11.2      | 8.5      | 877       | 1.42       | 2.2       | 0.5      | 0.099     | 0.2       |
| 11AN0129A | Skookum North | 625800 | 6991687 | WHI11001203-131 | 0.8     | 13.2     | 9.02     | 66.1     | 1150     | 1.1       | 18.1      | 7.9      | 1713      | 1.84       | 3         | 0.6      | 1.1       | 1.2       |
| 11AN0130A | Skookum North | 625788 | 6991739 | WHI11001203-132 | 0.96    | 11.85    | 14.83    | 76.8     | 638      | 1         | 14.1      | 13.9     | 595       | 3.39       | 4.4       | 0.3      | 1         | 1.8       |
| 11AN0131A | Skookum North | 625789 | 6991796 | WHI11001203-133 | 0.97    | 12.25    | 8.11     | 54.1     | 460      | 1.3       | 15.6      | 15.3     | 2376      | 2.16       | 2.9       | 0.2      | 1.3       | 0.4       |
| 11AN0132A | Skookum North | 625789 | 6991833 | WHI11001203-134 | 0.93    | 8.96     | 6.92     | 77.8     | 158      | 0.6       | 11        | 9.9      | 2225      | 1.8        | 3.1       | 0.2      | 0.6       | 0.3       |
| 11AN0133A | Skookum North | 625791 | 6991879 | WHI11001203-135 | 0.85    | 9.91     | 6.5      | 115.7    | 152      | 0.6       | 12.1      | 7.4      | 1855      | 1.47       | 2.2       | 0.2      | 0.6       | 0.5       |
| 11AN0134A | Skookum North | 625792 | 6991932 | WHI11001203-136 | 0.69    | 11.77    | 7.54     | 136.6    | 81       | 3         | 12.5      | 10.1     | 3141      | 1.76       | 1.8       | 0.2      | 3         | 0.4       |
| 11AN0135A | Skookum North | 625793 | 6991987 | WHI11001203-137 | 0.82    | 13       | 7.44     | 21.6     | 453      | 0.2       | 5.6       | 2.5      | 159       | 0.78       | 1.2       | 0.4      | 0.2       | 0.1       |
| 11AN0136A | Skookum North | 625782 | 6992029 | WHI11001203-138 | 1.02    | 28.9     | 9.14     | 48.9     | 245      | 1         | 16.1      | 14.6     | 717       | 1.94       | 2.6       | 1.2      | 1         | 0.2       |
| 11AN0137A | Skookum North | 625780 | 6992079 | WHI11001203-139 | 0.79    | 11.14    | 8.53     | 31.2     | 176      | 1         | 6.9       | 4.3      | 279       | 1.22       | 2.5       | 0.3      | 1         | 0.2       |
| 11AN0138A | Skookum North | 625780 | 6992135 | WHI11001203-140 | 0.8     | 6.74     | 7.54     | 24.4     | 249      | 2.7       | 5.6       | 3.8      | 142       | 0.98       | 1.7       | 0.3      | 2.7       | 1         |
| 11AN0139A | Skookum North | 625777 | 6992179 | WHI11001203-141 | 0.76    | 7.8      | 6.75     | 20       | 159      | 0.4       | 6         | 3.1      | 74        | 1.02       | 2.3       | 0.2      | 0.4       | 0.2       |
| 11AN0140A | Skookum North | 625772 | 6992237 | WHI11001203-142 | 0.69    | 12       | 6.05     | 27.1     | 69       | 1         | 7         | 4.8      | 290       | 1.08       | 0.8       | 0.2      | 1         | 0.8       |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11AN0142A | Skookum North | 625775 | 6992290 | WHI11001203-144 | 1       | 17.92    | 8.05     | 99.1     | 205      | 0.5      | 13.2     | 16.4     | 8099    | 2          | 1.9      | 0.3     | 0.5      | 0.4      |
| 11AN0143A | Skookum North | 625770 | 6992336 | WHI11001203-145 | 0.94    | 6.62     | 6.91     | 29.9     | 66       | 10.8     | 7.2      | 2.8      | 196     | 1.51       | 3.4      | 0.3     | 10.8     | 0.7      |
| 11CB0810A | Skookum North | 625613 | 6991262 | WHI11001203-003 | 1.37    | 10.97    | 5.56     | 15.9     | 184      | 0.6      | 6.6      | 1.9      | 49      | 0.8        | 1.3      | 0.5     | 0.6      | 0.049    |
| 11CB0811A | Skookum North | 625609 | 6991323 | WHI11001203-004 | 0.99    | 13.08    | 6.7      | 20.4     | 356      | 1.5      | 6.8      | 2.3      | 51      | 1.09       | 1.4      | 0.9     | 1.5      | 0.049    |
| 11CB0812A | Skookum North | 625609 | 6991373 | WHI11001203-005 | 0.91    | 19.44    | 7.89     | 24.1     | 412      | 0.5      | 7.6      | 2.3      | 74      | 0.93       | 1.1      | 0.9     | 0.5      | 0.049    |
| 11CB0813A | Skookum North | 625609 | 6991419 | WHI11001203-006 | 0.66    | 15.74    | 7.58     | 45.4     | 342      | 2.1      | 10.7     | 5.6      | 160     | 1.72       | 2.9      | 1       | 2.1      | 0.1      |
| 11CB0814A | Skookum North | 625606 | 6991467 | WHI11001203-007 | 1.32    | 9.28     | 5.53     | 28.6     | 118      | 1.2      | 7.3      | 4.6      | 479     | 0.88       | 0.5      | 0.7     | 1.2      | 0.4      |
| 11CB0815A | Skookum North | 625601 | 6991521 | WHI11001203-008 | 1.58    | 9.23     | 5.34     | 31       | 110      | 4.1      | 6.7      | 9.7      | 866     | 1.03       | 1.4      | 0.7     | 4.1      | 0.3      |
| 11CB0816A | Skookum North | 625597 | 6991572 | WHI11001203-009 | 0.41    | 16.13    | 33.38    | 40       | 132      | 1.2      | 8.3      | 3        | 1537    | 0.55       | 0.5      | 1       | 1.2      | 0.2      |
| 11CB0817A | Skookum North | 625601 | 6991623 | WHI11001203-010 | 0.66    | 7.79     | 6.81     | 90.1     | 155      | 0.6      | 7.5      | 4.8      | 2005    | 1.14       | 2.1      | 0.2     | 0.6      | 0.3      |
| 11CB0818A | Skookum North | 625598 | 6991677 | WHI11001203-011 | 0.75    | 7.42     | 7.15     | 42.7     | 537      | 0.099    | 8.9      | 8.4      | 1964    | 1.07       | 1.5      | 0.2     | 0.099    | 0.2      |
| 11CB0819A | Skookum North | 625572 | 6991735 | WHI11001203-012 | 0.78    | 9.72     | 7.58     | 33.4     | 227      | 0.9      | 9.8      | 6.7      | 1122    | 1.61       | 1.9      | 0.2     | 0.9      | 0.2      |
| 11CB0820A | Skookum North | 625596 | 6991777 | WHI11001203-013 | 1       | 8.8      | 7.38     | 57.7     | 243      | 0.099    | 11       | 9.7      | 2388    | 1.47       | 2.5      | 0.2     | 0.099    | 0.3      |
| 11CB0822A | Skookum North | 625582 | 6991849 | WHI11001203-015 | 1.4     | 14.01    | 6.35     | 39       | 484      | 0.6      | 8.2      | 4.9      | 338     | 0.89       | 1.2      | 0.3     | 0.6      | 0.049    |
| 11CB0823A | Skookum North | 625594 | 6991880 | WHI11001203-016 | 1.43    | 13.5     | 8.52     | 66.9     | 332      | 3.3      | 12.4     | 9.2      | 2621    | 1.61       | 3        | 0.4     | 3.3      | 0.4      |
| 11CB0824A | Skookum North | 625586 | 6991929 | WHI11001203-017 | 1.08    | 10.08    | 7.46     | 67       | 498      | 0.7      | 11.1     | 8.4      | 3240    | 1.69       | 2        | 0.2     | 0.7      | 0.6      |
| 11CB0825A | Skookum North | 625590 | 6991977 | WHI11001203-018 | 1.24    | 15.49    | 5.6      | 26.3     | 462      | 0.099    | 7.6      | 5.7      | 1890    | 0.79       | 1.2      | 0.2     | 0.099    | 0.049    |
| 11CB0826A | Skookum North | 625588 | 6992032 | WHI11001203-019 | 1.77    | 14.04    | 6.53     | 40.4     | 1204     | 0.8      | 11.8     | 15.2     | 2547    | 1.26       | 2.2      | 0.9     | 0.8      | 0.2      |
| 11CB0827A | Skookum North | 625573 | 6992086 | WHI11001203-020 | 1.37    | 17.99    | 6.74     | 34.6     | 464      | 0.3      | 13.6     | 11       | 299     | 1.59       | 2.5      | 1.4     | 0.3      | 0.4      |
| 11CB0828A | Skookum North | 625584 | 6992134 | WHI11001203-021 | 1.24    | 22.37    | 5.82     | 23.1     | 359      | 3.3      | 12.1     | 11.1     | 1102    | 1.44       | 4        | 2.3     | 3.3      | 0.6      |
| 11CB0829A | Skookum North | 625577 | 6992171 | WHI11001203-022 | 1.31    | 26.86    | 7.13     | 32.2     | 498      | 4.9      | 16.7     | 17.1     | 1595    | 2.17       | 5.6      | 3.2     | 4.9      | 1        |
| 11CB0830A | Skookum North | 625575 | 6992221 | WHI11001203-023 | 1.47    | 27.26    | 7.85     | 31.8     | 520      | 4.1      | 17.8     | 15.2     | 1306    | 2.19       | 6.2      | 3.1     | 4.1      | 1        |
| 11CB0831A | Skookum North | 625568 | 6992279 | WHI11001203-024 | 0.91    | 13.95    | 8.4      | 47.8     | 607      | 0.099    | 11       | 11.8     | 2240    | 1.8        | 1.6      | 0.2     | 0.099    | 0.5      |
| 11CB0832A | Skookum North | 625572 | 6992325 | WHI11001203-025 | 1.22    | 18.89    | 6.74     | 36.7     | 440      | 1.6      | 13.7     | 12.9     | 1581    | 1.57       | 2.7      | 1.5     | 1.6      | 0.3      |
| 11DS0828A | Skookum North | 625714 | 6991227 | WHI11001183-014 | 0.61    | 18.68    | 7.45     | 23.1     | 407      | 1.6      | 6.3      | 1.7      | 40      | 0.79       | 0.9      | 1.1     | 1.6      | 0.3      |
| 11DS0828A | Skookum North | 625714 | 6991227 | WHI11001183-014 | 0.61    | 18.68    | 7.45     | 23.1     | 407      | 1.6      | 6.3      | 1.7      | 40      | 0.79       | 0.9      | 1.1     | 1.6      | 0.3      |
| 11DS0829A | Skookum North | 625714 | 6991281 | WHI11001183-015 | 1.18    | 16.17    | 5.87     | 20.5     | 525      | 2        | 7.5      | 3        | 52      | 0.94       | 1.2      | 1.2     | 2        | 0.049    |
| 11DS0829A | Skookum North | 625714 | 6991281 | WHI11001183-015 | 1.18    | 16.17    | 5.87     | 20.5     | 525      | 2        | 7.5      | 3        | 52      | 0.94       | 1.2      | 1.2     | 2        | 0.049    |
| 11DS0830A | Skookum North | 625708 | 6991326 | WHI11001183-016 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS0830A | Skookum North | 625708 | 6991326 | WHI11001183-016 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS0831A | Skookum North | 625709 | 6991379 | WHI11001183-017 | 1.29    | 14.76    | 2.48     | 14.5     | 119      | 2.1      | 7.2      | 11.1     | 1273    | 0.87       | 1.1      | 1       | 2.1      | 0.4      |
| 11DS0831A | Skookum North | 625709 | 6991379 | WHI11001183-017 | 1.29    | 14.76    | 2.48     | 14.5     | 119      | 2.1      | 7.2      | 11.1     | 1273    | 0.87       | 1.1      | 1       | 2.1      | 0.4      |
| 11DS0832A | Skookum North | 625706 | 6991427 | WHI11001183-018 | 0.55    | 7.39     | 2.87     | 39.9     | 62       | 2.7      | 4.9      | 3.6      | 220     | 1.06       | 1.6      | 0.2     | 2.7      | 0.2      |
| 11DS0832A | Skookum North | 625706 | 6991427 | WHI11001183-018 | 0.55    | 7.39     | 2.87     | 39.9     | 62       | 2.7      | 4.9      | 3.6      | 220     | 1.06       | 1.6      | 0.2     | 2.7      | 0.2      |
| 11DS0833A | Skookum North | 625703 | 6991474 | WHI11001183-019 | 0.94    | 14.46    | 6.59     | 21.3     | 395      | 1.6      | 7.6      | 2.6      | 88      | 1.08       | 2        | 0.4     | 1.6      | 0.049    |
| 11DS0833A | Skookum North | 625703 | 6991474 | WHI11001183-019 | 0.94    | 14.46    | 6.59     | 21.3     | 395      | 1.6      | 7.6      | 2.6      | 88      | 1.08       | 2        | 0.4     | 1.6      | 0.049    |
| 11DS0834A | Skookum North | 625702 | 6991532 | WHI11001183-020 | 0.74    | 29.85    | 2.52     | 15       | 654      | 4.9      | 12       | 5        | 828     | 0.86       | 1.4      | 1.6     | 4.9      | 0.3      |
| 11DS0834A | Skookum North | 625702 | 6991532 | WHI11001183-020 | 0.74    | 29.85    | 2.52     | 15       | 654      | 4.9      | 12       | 5        | 828     | 0.86       | 1.4      | 1.6     | 4.9      | 0.3      |
| 11DS0835A | Skookum North | 625702 | 6991571 | WHI11001183-021 | 0.45    | 16.35    | 6.11     | 18.5     | 329      | 1.4      | 6.2      | 2.3      | 49      | 0.65       | 1        | 0.6     | 1.4      | 0.049    |
| 11DS0835A | Skookum North | 625702 | 6991571 | WHI11001183-021 | 0.45    | 16.35    | 6.11     | 18.5     | 329      | 1.4      | 6.2      | 2.3      | 49      | 0.65       | 1        | 0.6     | 1.4      | 0.049    |
| 11DS0836A | Skookum North | 625701 | 6991629 | WHI11001183-022 | 0.68    | 8.52     | 5.22     | 75.8     | 195      | 0.6      | 9.7      | 6        | 2212    | 1.52       | 2.7      | 0.2     | 0.6      | 0.4      |
| 11DS0836A | Skookum North | 625701 | 6991629 | WHI11001183-022 | 0.68    | 8.52     | 5.22     | 75.8     | 195      | 0.6      | 9.7      | 6        | 2212    | 1.52       | 2.7      | 0.2     | 0.6      | 0.4      |
| 11DS0837A | Skookum North | 625698 | 6991678 | WHI11001183-023 | 0.86    | 23.1     | 3.69     | 16.3     | 1358     | 6.6      | 12.7     | 6.5      | 1160    | 1.22       | 1.4      | 1.9     | 6.6      | 0.2      |
| 11DS0837A | Skookum North | 625698 | 6991678 | WHI11001183-023 | 0.86    | 23.1     | 3.69     | 16.3     | 1358     | 6.6      | 12.7     | 6.5      | 1160    | 1.22       | 1.4      | 1.9     | 6.6      | 0.2      |
| 11DS0838A | Skookum North | 625694 | 6991726 | WHI11001183-024 | 0.68    | 10.42    | 6.84     | 81.5     | 449      | 1.4      | 11.3     | 10.3     | 2446    | 1.88       | 2.4      | 0.2     | 1.4      | 0.4      |
| 11DS0838A | Skookum North | 625694 | 6991726 | WHI11001183-024 | 0.68    | 10.42    | 6.84     | 81.5     | 449      | 1.4      | 11.3     | 10.3     | 2446    | 1.88       | 2.4      | 0.2     | 1.4      | 0.4      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11DS0839A | Skookum North | 625692 | 6991775 | WHI11001183-025 | 0.84    | 10.53    | 7.32     | 87.4     | 428      | 1.6      | 10.5     | 8        | 1893    | 1.61       | 2.8      | 0.2     | 1.6      | 0.4      |
| 11DS0839A | Skookum North | 625692 | 6991775 | WHI11001183-025 | 0.84    | 10.53    | 7.32     | 87.4     | 428      | 1.6      | 10.5     | 8        | 1893    | 1.61       | 2.8      | 0.2     | 1.6      | 0.4      |
| 11DS0840A | Skookum North | 625693 | 6991821 | WHI11001183-026 | 0.53    | 11.47    | 7.03     | 140.1    | 420      | 0.6      | 9.6      | 8.9      | 2709    | 1.77       | 1.6      | 0.1     | 0.6      | 0.2      |
| 11DS0840A | Skookum North | 625693 | 6991821 | WHI11001183-026 | 0.53    | 11.47    | 7.03     | 140.1    | 420      | 0.6      | 9.6      | 8.9      | 2709    | 1.77       | 1.6      | 0.1     | 0.6      | 0.2      |
| 11DS0842A | Skookum North | 625694 | 6991887 | WHI11001183-028 | 0.96    | 12.6     | 3.88     | 25.4     | 793      | 0.2      | 7.9      | 3.1      | 335     | 0.72       | 1.4      | 0.2     | 0.2      | 0.049    |
| 11DS0842A | Skookum North | 625694 | 6991887 | WHI11001183-028 | 0.96    | 12.6     | 3.88     | 25.4     | 793      | 0.2      | 7.9      | 3.1      | 335     | 0.72       | 1.4      | 0.2     | 0.2      | 0.049    |
| 11DS0843A | Skookum North | 625687 | 6991931 | WHI11001183-029 | 0.77    | 11.96    | 6.56     | 80.5     | 213      | 0.3      | 10.3     | 8.8      | 3247    | 1.18       | 2.3      | 0.2     | 0.3      | 0.2      |
| 11DS0843A | Skookum North | 625687 | 6991931 | WHI11001183-029 | 0.77    | 11.96    | 6.56     | 80.5     | 213      | 0.3      | 10.3     | 8.8      | 3247    | 1.18       | 2.3      | 0.2     | 0.3      | 0.2      |
| 11DS0844A | Skookum North | 625681 | 6992028 | WHI11001183-030 | 1.11    | 14.41    | 4.74     | 146.4    | 202      | 0.5      | 10.6     | 7.7      | 4866    | 0.78       | 1.6      | 0.2     | 0.5      | 0.049    |
| 11DS0844A | Skookum North | 625681 | 6992028 | WHI11001183-030 | 1.11    | 14.41    | 4.74     | 146.4    | 202      | 0.5      | 10.6     | 7.7      | 4866    | 0.78       | 1.6      | 0.2     | 0.5      | 0.049    |
| 11DS0845A | Skookum North | 625688 | 6991981 | WHI11001183-031 | 0.68    | 12.29    | 5.38     | 68.3     | 142      | 1.6      | 9        | 8.4      | 1793    | 0.98       | 1.8      | 0.2     | 1.6      | 0.049    |
| 11DS0845A | Skookum North | 625688 | 6991981 | WHI11001183-031 | 0.68    | 12.29    | 5.38     | 68.3     | 142      | 1.6      | 9        | 8.4      | 1793    | 0.98       | 1.8      | 0.2     | 1.6      | 0.049    |
| 11DS0846A | Skookum North | 625677 | 6992078 | WHI11001183-199 | 0.94    | 12.21    | 5.75     | 60.4     | 863      | 5.2      | 9.2      | 7.7      | 2188    | 1.34       | 2.2      | 0.5     | 5.2      | 0.3      |
| 11DS0846A | Skookum North | 625677 | 6992078 | WHI11001183-032 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS0846A | Skookum North | 625677 | 6992078 | WHI11001183-199 | 0.94    | 12.21    | 5.75     | 60.4     | 863      | 5.2      | 9.2      | 7.7      | 2188    | 1.34       | 2.2      | 0.5     | 5.2      | 0.3      |
| 11DS0846A | Skookum North | 625677 | 6992078 | WHI11001183-032 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS0847A | Skookum North | 625672 | 6992128 | WHI11001183-033 | 0.83    | 10.69    | 4.82     | 33.1     | 322      | 0.8      | 7.9      | 7.6      | 547     | 1.23       | 2.1      | 0.8     | 0.8      | 0.2      |
| 11DS0847A | Skookum North | 625672 | 6992128 | WHI11001183-033 | 0.83    | 10.69    | 4.82     | 33.1     | 322      | 0.8      | 7.9      | 7.6      | 547     | 1.23       | 2.1      | 0.8     | 0.8      | 0.2      |
| 11DS0848A | Skookum North | 625680 | 6992178 | WHI11001183-034 | 0.95    | 8.91     | 4.51     | 25       | 212      | 0.5      | 6.9      | 4.1      | 218     | 1.04       | 1.8      | 0.2     | 0.5      | 0.1      |
| 11DS0848A | Skookum North | 625680 | 6992178 | WHI11001183-034 | 0.95    | 8.91     | 4.51     | 25       | 212      | 0.5      | 6.9      | 4.1      | 218     | 1.04       | 1.8      | 0.2     | 0.5      | 0.1      |
| 11DS0849A | Skookum North | 625681 | 6992229 | WHI11001183-035 | 0.58    | 10.54    | 5.38     | 62       | 118      | 1.2      | 8.9      | 8.4      | 2387    | 1.21       | 2        | 0.2     | 1.2      | 0.2      |
| 11DS0849A | Skookum North | 625681 | 6992229 | WHI11001183-035 | 0.58    | 10.54    | 5.38     | 62       | 118      | 1.2      | 8.9      | 8.4      | 2387    | 1.21       | 2        | 0.2     | 1.2      | 0.2      |
| 11DS0850A | Skookum North | 625672 | 6992275 | WHI11001183-036 | 0.64    | 12.1     | 6.15     | 56       | 135      | 0.3      | 9.1      | 15.7     | 3482    | 1.03       | 1.5      | 0.1     | 0.3      | 0.1      |
| 11DS0850A | Skookum North | 625672 | 6992275 | WHI11001183-036 | 0.64    | 12.1     | 6.15     | 56       | 135      | 0.3      | 9.1      | 15.7     | 3482    | 1.03       | 1.5      | 0.1     | 0.3      | 0.1      |
| 11DS0851A | Skookum North | 625666 | 6992325 | WHI11001183-037 | 0.7     | 15.5     | 8.03     | 85.2     | 250      | 0.7      | 12.1     | 18.5     | 4866    | 1.39       | 1.9      | 0.2     | 0.7      | 0.1      |
| 11DS0851A | Skookum North | 625666 | 6992325 | WHI11001183-037 | 0.7     | 15.5     | 8.03     | 85.2     | 250      | 0.7      | 12.1     | 18.5     | 4866    | 1.39       | 1.9      | 0.2     | 0.7      | 0.1      |
| 11TB0850A | Skookum North | 625506 | 6991220 | WHI11001183-102 | 0.72    | 19.08    | 5.6      | 14.4     | 395      | 0.4      | 6.1      | 2        | 45      | 0.81       | 1.3      | 0.3     | 0.4      | 0.049    |
| 11TB0850A | Skookum North | 625506 | 6991220 | WHI11001183-102 | 0.72    | 19.08    | 5.6      | 14.4     | 395      | 0.4      | 6.1      | 2        | 45      | 0.81       | 1.3      | 0.3     | 0.4      | 0.049    |
| 11TB0851A | Skookum North | 625510 | 6991273 | WHI11001183-103 | 0.67    | 15.88    | 5.41     | 14.7     | 132      | 0.5      | 6.9      | 2.4      | 70      | 1.03       | 1.9      | 0.8     | 0.5      | 0.2      |
| 11TB0851A | Skookum North | 625510 | 6991273 | WHI11001183-103 | 0.67    | 15.88    | 5.41     | 14.7     | 132      | 0.5      | 6.9      | 2.4      | 70      | 1.03       | 1.9      | 0.8     | 0.5      | 0.2      |
| 11TB0852A | Skookum North | 625517 | 6991318 | WHI11001183-104 | 0.96    | 17.97    | 5.96     | 31       | 617      | 4.2      | 10.7     | 5.2      | 137     | 1.58       | 3.1      | 1.1     | 4.2      | 0.2      |
| 11TB0852A | Skookum North | 625517 | 6991318 | WHI11001183-104 | 0.96    | 17.97    | 5.96     | 31       | 617      | 4.2      | 10.7     | 5.2      | 137     | 1.58       | 3.1      | 1.1     | 4.2      | 0.2      |
| 11TB0853A | Skookum North | 625513 | 6991368 | WHI11001183-105 | 0.77    | 12.1     | 4.23     | 15.4     | 296      | 0.6      | 5.9      | 2.3      | 72      | 1.1        | 1.7      | 0.6     | 0.6      | 0.049    |
| 11TB0853A | Skookum North | 625513 | 6991368 | WHI11001183-105 | 0.77    | 12.1     | 4.23     | 15.4     | 296      | 0.6      | 5.9      | 2.3      | 72      | 1.1        | 1.7      | 0.6     | 0.6      | 0.049    |
| 11TB0854A | Skookum North | 625511 | 6991416 | WHI11001183-106 | 0.72    | 16.91    | 5.19     | 17.1     | 302      | 1.4      | 7.7      | 3.1      | 63      | 1.03       | 1.5      | 0.7     | 1.4      | 0.049    |
| 11TB0854A | Skookum North | 625511 | 6991416 | WHI11001183-106 | 0.72    | 16.91    | 5.19     | 17.1     | 302      | 1.4      | 7.7      | 3.1      | 63      | 1.03       | 1.5      | 0.7     | 1.4      | 0.049    |
| 11TB0855A | Skookum North | 625506 | 6991469 | WHI11001183-107 | 0.72    | 16.31    | 4.89     | 19       | 355      | 0.8      | 6.4      | 2.1      | 82      | 0.97       | 1.4      | 0.8     | 0.8      | 0.049    |
| 11TB0855A | Skookum North | 625506 | 6991469 | WHI11001183-107 | 0.72    | 16.31    | 4.89     | 19       | 355      | 0.8      | 6.4      | 2.1      | 82      | 0.97       | 1.4      | 0.8     | 0.8      | 0.049    |
| 11TB0856A | Skookum North | 625502 | 6991518 | WHI11001183-108 | 1.5     | 17.76    | 6.27     | 60.2     | 158      | 1.8      | 12.7     | 19       | 1198    | 2.23       | 3.6      | 1.8     | 1.8      | 2        |
| 11TB0856A | Skookum North | 625502 | 6991518 | WHI11001183-108 | 1.5     | 17.76    | 6.27     | 60.2     | 158      | 1.8      | 12.7     | 19       | 1198    | 2.23       | 3.6      | 1.8     | 1.8      | 2        |
| 11TB0857A | Skookum North | 625501 | 6991571 | WHI11001183-109 | 0.53    | 19.24    | 2.33     | 25.6     | 113      | 1.6      | 8.8      | 3.5      | 316     | 0.85       | 1.7      | 2.1     | 1.6      | 0.3      |
| 11TB0857A | Skookum North | 625501 | 6991571 | WHI11001183-109 | 0.53    | 19.24    | 2.33     | 25.6     | 113      | 1.6      | 8.8      | 3.5      | 316     | 0.85       | 1.7      | 2.1     | 1.6      | 0.3      |
| 11TB0858A | Skookum North | 625494 | 6991619 | WHI11001183-110 | 0.69    | 11.54    | 1.91     | 26       | 105      | 2.7      | 8        | 4        | 1354    | 0.67       | 1.1      | 1.3     | 2.7      | 0.2      |
| 11TB0858A | Skookum North | 625494 | 6991619 | WHI11001183-110 | 0.69    | 11.54    | 1.91     | 26       | 105      | 2.7      | 8        | 4        | 1354    | 0.67       | 1.1      | 1.3     | 2.7      | 0.2      |
| 11TB0859A | Skookum North | 625497 | 6991667 | WHI11001183-111 | 0.42    | 11.07    | 3.24     | 22.7     | 151      | 2.4      | 8        | 4.5      | 340     | 1.23       | 1.5      | 1.1     | 2.4      | 0.5      |
| 11TB0859A | Skookum North | 625497 | 6991667 | WHI11001183-111 | 0.42    | 11.07    | 3.24     | 22.7     | 151      | 2.4      | 8        | 4.5      | 340     | 1.23       | 1.5      | 1.1     | 2.4      | 0.5      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11TB0860A | Skookum North | 625497 | 6991728 | WHI11001183-112 | 1.2     | 10.22    | 8.07     | 34.3     | 201      | 2.3      | 10.4     | 4.8      | 269     | 2.07       | 5.9      | 0.3     | 2.3      | 1.8      |
| 11TB0860A | Skookum North | 625497 | 6991728 | WHI11001183-112 | 1.2     | 10.22    | 8.07     | 34.3     | 201      | 2.3      | 10.4     | 4.8      | 269     | 2.07       | 5.9      | 0.3     | 2.3      | 1.8      |
| 11TB0862A | Skookum North | 625493 | 6991773 | WHI11001183-114 | 1.21    | 14.4     | 6.89     | 53.7     | 382      | 2        | 11.5     | 14.1     | 989     | 3.24       | 5.3      | 0.9     | 2        | 1.8      |
| 11TB0862A | Skookum North | 625493 | 6991773 | WHI11001183-114 | 1.21    | 14.4     | 6.89     | 53.7     | 382      | 2        | 11.5     | 14.1     | 989     | 3.24       | 5.3      | 0.9     | 2        | 1.8      |
| 11TB0863A | Skookum North | 625491 | 6991828 | WHI11001183-115 | 0.6     | 15.48    | 3.3      | 16.1     | 294      | 2.9      | 10.9     | 9.1      | 622     | 0.99       | 2.5      | 1.1     | 2.9      | 0.3      |
| 11TB0863A | Skookum North | 625491 | 6991828 | WHI11001183-115 | 0.6     | 15.48    | 3.3      | 16.1     | 294      | 2.9      | 10.9     | 9.1      | 622     | 0.99       | 2.5      | 1.1     | 2.9      | 0.3      |
| 11TB0864A | Skookum North | 625483 | 6991868 | WHI11001183-116 | 0.77    | 10.45    | 5.83     | 27.8     | 232      | 0.3      | 6.5      | 3.1      | 103     | 1.29       | 1.7      | 0.2     | 0.3      | 0.049    |
| 11TB0864A | Skookum North | 625483 | 6991868 | WHI11001183-116 | 0.77    | 10.45    | 5.83     | 27.8     | 232      | 0.3      | 6.5      | 3.1      | 103     | 1.29       | 1.7      | 0.2     | 0.3      | 0.049    |
| 11TB0865A | Skookum North | 625480 | 6991920 | WHI11001183-117 | 0.73    | 11.74    | 4.41     | 51.1     | 192      | 2.1      | 11.3     | 7.1      | 486     | 1.61       | 3.2      | 0.6     | 2.1      | 0.5      |
| 11TB0865A | Skookum North | 625480 | 6991920 | WHI11001183-117 | 0.73    | 11.74    | 4.41     | 51.1     | 192      | 2.1      | 11.3     | 7.1      | 486     | 1.61       | 3.2      | 0.6     | 2.1      | 0.5      |
| 11TB0866A | Skookum North | 625472 | 6991977 | WHI11001183-118 | 0.65    | 20.73    | 11.99    | 58.2     | 230      | 3.3      | 17.6     | 11.2     | 858     | 2.2        | 4.3      | 1.3     | 3.3      | 1.3      |
| 11TB0866A | Skookum North | 625472 | 6991977 | WHI11001183-118 | 0.65    | 20.73    | 11.99    | 58.2     | 230      | 3.3      | 17.6     | 11.2     | 858     | 2.2        | 4.3      | 1.3     | 3.3      | 1.3      |
| 11TB0867A | Skookum North | 625472 | 6992016 | WHI11001183-119 | 0.79    | 8.99     | 5.95     | 48.5     | 252      | 0.099    | 10.7     | 7.3      | 363     | 2.14       | 3.4      | 0.4     | 0.099    | 0.7      |
| 11TB0867A | Skookum North | 625472 | 6992016 | WHI11001183-119 | 0.79    | 8.99     | 5.95     | 48.5     | 252      | 0.099    | 10.7     | 7.3      | 363     | 2.14       | 3.4      | 0.4     | 0.099    | 0.7      |
| 11TB0868A | Skookum North | 625474 | 6992067 | WHI11001183-120 | 0.95    | 12.29    | 7.27     | 79.9     | 211      | 1.4      | 12.2     | 10.9     | 1966    | 2.02       | 3        | 0.2     | 1.4      | 0.5      |
| 11TB0868A | Skookum North | 625474 | 6992067 | WHI11001183-120 | 0.95    | 12.29    | 7.27     | 79.9     | 211      | 1.4      | 12.2     | 10.9     | 1966    | 2.02       | 3        | 0.2     | 1.4      | 0.5      |
| 11TB0869A | Skookum North | 625477 | 6992118 | WHI11001183-121 | 1.01    | 8.7      | 8.28     | 72       | 214      | 0.5      | 12.6     | 9.6      | 1525    | 2.06       | 3.2      | 0.2     | 0.5      | 0.9      |
| 11TB0869A | Skookum North | 625477 | 6992118 | WHI11001183-121 | 1.01    | 8.7      | 8.28     | 72       | 214      | 0.5      | 12.6     | 9.6      | 1525    | 2.06       | 3.2      | 0.2     | 0.5      | 0.9      |
| 11TB0870A | Skookum North | 625477 | 6992171 | WHI11001183-122 | 0.85    | 9.93     | 7.38     | 75.2     | 258      | 1.2      | 12.2     | 13.1     | 2663    | 1.99       | 2.4      | 0.2     | 1.2      | 0.4      |
| 11TB0870A | Skookum North | 625477 | 6992171 | WHI11001183-122 | 0.85    | 9.93     | 7.38     | 75.2     | 258      | 1.2      | 12.2     | 13.1     | 2663    | 1.99       | 2.4      | 0.2     | 1.2      | 0.4      |
| 11TB0871A | Skookum North | 625477 | 6992215 | WHI11001183-123 | 1.02    | 11.48    | 6.37     | 95.3     | 906      | 0.7      | 10.2     | 12.2     | 3666    | 1.23       | 1.6      | 0.2     | 0.7      | 0.4      |
| 11TB0871A | Skookum North | 625477 | 6992215 | WHI11001183-123 | 1.02    | 11.48    | 6.37     | 95.3     | 906      | 0.7      | 10.2     | 12.2     | 3666    | 1.23       | 1.6      | 0.2     | 0.7      | 0.4      |
| 11TB0872A | Skookum North | 625478 | 6992263 | WHI11001183-124 | 1.16    | 11.25    | 8.73     | 78.4     | 731      | 0.3      | 13.2     | 13.9     | 4481    | 2.03       | 2.3      | 0.2     | 0.3      | 0.4      |
| 11TB0872A | Skookum North | 625478 | 6992263 | WHI11001183-124 | 1.16    | 11.25    | 8.73     | 78.4     | 731      | 0.3      | 13.2     | 13.9     | 4481    | 2.03       | 2.3      | 0.2     | 0.3      | 0.4      |
| 11AN0144A | Skookum North | 625271 | 6992310 | WHI11001203-146 | 0.69    | 10.47    | 8.38     | 44.7     | 209      | 4.6      | 10.9     | 6.5      | 460     | 1.85       | 3.2      | 0.5     | 4.6      | 0.9      |
| 11AN0145A | Skookum North | 625277 | 6992260 | WHI11001203-147 | 0.59    | 11.73    | 6.6      | 35.6     | 143      | 2.2      | 7.6      | 4.6      | 694     | 1.26       | 1.8      | 0.4     | 2.2      | 0.4      |
| 11AN0146A | Skookum North | 625279 | 6992210 | WHI11001203-148 | 0.82    | 12.34    | 6.34     | 41.5     | 131      | 1.1      | 9.6      | 5.2      | 1412    | 1.44       | 2        | 0.2     | 1.1      | 0.6      |
| 11AN0147A | Skookum North | 625282 | 6992163 | WHI11001203-149 | 0.69    | 8.17     | 6.73     | 29.3     | 172      | 1.2      | 8.3      | 4.7      | 210     | 1.47       | 3.3      | 0.2     | 1.2      | 0.5      |
| 11AN0148A | Skookum North | 625282 | 6992106 | WHI11001203-150 | 0.61    | 8.9      | 5.78     | 19.3     | 90       | 1.3      | 6.1      | 2.6      | 280     | 1.01       | 1.3      | 0.2     | 1.3      | 0.2      |
| 11AN0149A | Skookum North | 625281 | 6992060 | WHI11001203-151 | 0.53    | 7.31     | 5.3      | 23.1     | 230      | 0.099    | 4.6      | 2.5      | 202     | 1.01       | 1.1      | 0.2     | 0.099    | 0.049    |
| 11AN0150A | Skookum North | 625284 | 6992010 | WHI11001203-152 | 0.63    | 10.67    | 6.02     | 22.4     | 219      | 1.6      | 6.5      | 3        | 125     | 1.15       | 1.4      | 0.2     | 1.6      | 0.5      |
| 11AN0151A | Skookum North | 625285 | 6991960 | WHI11001203-153 | 0.59    | 11.81    | 11.63    | 112.6    | 1912     | 2.5      | 13.3     | 11.2     | 1364    | 2.75       | 3        | 0.2     | 2.5      | 0.5      |
| 11AN0152A | Skookum North | 625288 | 6991910 | WHI11001203-154 | 0.5     | 9.45     | 6.67     | 108.5    | 271      | 0.8      | 11.9     | 11.8     | 2185    | 2.16       | 2        | 0.2     | 0.8      | 0.9      |
| 11AN0153A | Skookum North | 625289 | 6991860 | WHI11001203-155 | 0.6     | 10.24    | 5.16     | 158.9    | 228      | 0.099    | 6.4      | 7.7      | 2380    | 1.3        | 1.3      | 0.1     | 0.099    | 0.2      |
| 11AN0154A | Skookum North | 625290 | 6991810 | WHI11001203-156 | 0.85    | 8.16     | 7.52     | 48.4     | 151      | 1.6      | 12.4     | 9.8      | 594     | 2.18       | 3.3      | 0.2     | 1.6      | 1.2      |
| 11AN0155A | Skookum North | 625292 | 6991760 | WHI11001203-157 | 0.49    | 15.32    | 4.33     | 22.5     | 162      | 2.4      | 7.6      | 4        | 200     | 0.97       | 0.6      | 20.2    | 2.4      | 0.2      |
| 11AN0156A | Skookum North | 625299 | 6991710 | WHI11001203-158 | 0.53    | 16.55    | 2.51     | 41.8     | 114      | 1.1      | 9.9      | 3.6      | 371     | 0.77       | 1.4      | 0.5     | 1.1      | 0.3      |
| 11AN0157A | Skookum North | 625300 | 6991653 | WHI11001203-159 | 0.86    | 22.77    | 5.3      | 33.6     | 258      | 2.6      | 11.7     | 14.3     | 594     | 1.85       | 2.9      | 1.3     | 2.6      | 0.3      |
| 11AN0158A | Skookum North | 625299 | 6991610 | WHI11001203-160 | 1.86    | 16.83    | 5.48     | 69.8     | 134      | 2.8      | 14.5     | 29.4     | 3481    | 4.45       | 10       | 1.6     | 2.8      | 2.7      |
| 11AN0159A | Skookum North | 625305 | 6991555 | WHI11001203-161 | 0.88    | 11.75    | 5.64     | 42.3     | 169      | 0.7      | 9.4      | 7.7      | 745     | 1.75       | 2.8      | 0.8     | 0.7      | 0.4      |
| 11AN0160A | Skookum North | 625307 | 6991506 | WHI11001203-162 | 0.68    | 10.66    | 5.34     | 44.6     | 168      | 0.099    | 9.3      | 5.3      | 187     | 1.84       | 2.3      | 0.7     | 0.099    | 0.3      |
| 11AN0162A | Skookum North | 625306 | 6991460 | WHI11001203-164 | 0.51    | 8.94     | 5.67     | 50.9     | 96       | 0.3      | 10.2     | 6.5      | 220     | 2.26       | 3.1      | 0.5     | 0.3      | 0.8      |
| 11AN0163A | Skookum North | 625321 | 6991404 | WHI11001203-165 | 0.81    | 10.84    | 3.97     | 13.8     | 232      | 0.5      | 5.7      | 1.8      | 41      | 0.78       | 1.2      | 0.4     | 0.5      | 0.049    |
| 11AN0164A | Skookum North | 625311 | 6991360 | WHI11001203-166 | 0.75    | 9.24     | 5.02     | 16       | 120      | 0.099    | 4.6      | 1.9      | 70      | 0.88       | 1.1      | 0.4     | 0.099    | 0.049    |
| 11AN0165A | Skookum North | 625317 | 6991307 | WHI11001203-167 | 0.58    | 12.84    | 4.71     | 10.1     | 65       | 0.099    | 4.7      | 1.7      | 32      | 0.73       | 1.1      | 0.4     | 0.099    | 0.049    |
| 11AN0166A | Skookum North | 625320 | 6991257 | WHI11001203-168 | 0.53    | 14.57    | 7.5      | 18.3     | 87       | 0.4      | 5.6      | 1.9      | 58      | 1.09       | 2.3      | 0.3     | 0.4      | 0.049    |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|---------|----------|----------|
| 11AN0167A | Skookum North | 625314 | 6991210 | WHI11001203-169 | 0.78    | 8.61     | 6.06     | 16.8     | 122      | 0.099    | 5.3      | 2        | 51       | 1.05       | 2.5      | 0.2     | 0.099    | 0.2      |
| 11CB0833A | Skookum North | 625359 | 6989965 | WHI11001203-026 | 3.44    | 41.6     | 16.83    | 149.4    | 966      | 2.1      | 28.2     | 8.6      | 961      | 2.58       | 5.3      | 1.9     | 2.1      | 4.3      |
| 11CB0834A | Skookum North | 625359 | 6990015 | WHI11001203-027 | 4.5     | 28.24    | 12.38    | 55.2     | 370      | 8.7      | 20.7     | 14.2     | 1375     | 2.1        | 4.1      | 3.1     | 8.7      | 2.4      |
| 11CB0835A | Skookum North | 625356 | 6990067 | WHI11001203-028 | 2.34    | 14.21    | 8.43     | 42.1     | 255      | 3.5      | 9.2      | 4        | 233      | 1.13       | 1.8      | 0.7     | 3.5      | 1.5      |
| 11CB0836A | Skookum North | 625356 | 6990116 | WHI11001203-029 | 3.5     | 11.42    | 8.02     | 41       | 113      | 4.1      | 8.9      | 5.1      | 222      | 1.41       | 2.3      | 0.8     | 4.1      | 1.7      |
| 11CB0837A | Skookum North | 625353 | 6990163 | WHI11001203-030 | 1.92    | 11.2     | 7.12     | 31.9     | 215      | 1.6      | 7.7      | 3.3      | 104      | 1.55       | 2.6      | 1.2     | 1.6      | 0.9      |
| 11CB0838A | Skookum North | 625354 | 6990211 | WHI11001203-031 | 1.35    | 35.14    | 8.41     | 120.6    | 268      | 0.7      | 17       | 5.8      | 2511     | 0.96       | 1.4      | 1.5     | 0.7      | 0.2      |
| 11CB0839A | Skookum North | 625349 | 6990259 | WHI11001203-032 | 1.09    | 13.9     | 8.26     | 32.2     | 200      | 2.8      | 10.1     | 3.9      | 243      | 1.61       | 1.8      | 2.1     | 2.8      | 1.3      |
| 11CB0840A | Skookum North | 625349 | 6990310 | WHI11001203-033 | 1.79    | 19.14    | 12.32    | 45.2     | 172      | 3.1      | 11.4     | 3.8      | 172      | 2.2        | 3.9      | 1.4     | 3.1      | 6.4      |
| 11CB0842A | Skookum North | 625348 | 6990370 | WHI11001203-035 | 1.28    | 30.1     | 9.68     | 29.1     | 300      | 2.3      | 14.9     | 5.2      | 129      | 1.52       | 2.6      | 2.2     | 2.3      | 0.3      |
| 11CB0843A | Skookum North | 625348 | 6990413 | WHI11001203-036 | 1.42    | 34.48    | 5.57     | 177.7    | 189      | 6.8      | 12.1     | 4.5      | 4045     | 0.96       | 1.3      | 0.2     | 6.8      | 0.1      |
| 11CB0844A | Skookum North | 625345 | 6990462 | WHI11001203-037 | 0.82    | 23.22    | 6.83     | 22.2     | 168      | 1.6      | 8.8      | 2        | 73       | 0.95       | 2.1      | 0.5     | 1.6      | 0.1      |
| 11CB0845A | Skookum North | 625343 | 6990513 | WHI11001203-038 | 0.84    | 17.54    | 6.72     | 39.1     | 224      | 0.8      | 11.9     | 2.8      | 330      | 0.79       | 1.6      | 0.2     | 0.8      | 0.049    |
| 11CB0846A | Skookum North | 625337 | 6990563 | WHI11001203-039 | 0.66    | 18.9     | 6.79     | 32.5     | 237      | 0.8      | 8.8      | 2.3      | 428      | 0.76       | 1.6      | 0.5     | 0.8      | 0.1      |
| 11CB0847A | Skookum North | 625339 | 6990617 | WHI11001203-040 | 1.08    | 38.95    | 10.97    | 72.2     | 593      | 0.4      | 25.3     | 9.7      | 1268     | 1.59       | 3.4      | 1.6     | 0.4      | 2.4      |
| 11CB0848A | Skookum North | 625333 | 6990665 | WHI11001203-041 | 0.75    | 34.13    | 9.74     | 318.8    | 483      | 0.3      | 23.4     | 6.9      | 5645     | 1.41       | 3.3      | 1.1     | 0.3      | 2.3      |
| 11CB0849A | Skookum North | 625333 | 6990712 | WHI11001203-042 | 0.94    | 17.66    | 9.37     | 41.6     | 269      | 1.8      | 24.3     | 13.4     | 458      | 2.13       | 4.1      | 2.7     | 1.8      | 2.6      |
| 11CB0850A | Skookum North | 625330 | 6990759 | WHI11001203-043 | 0.71    | 20.62    | 9.76     | 44.8     | 182      | 2.5      | 19.5     | 8        | 377      | 1.81       | 3.9      | 3.5     | 2.5      | 2.7      |
| 11CB0851A | Skookum North | 625330 | 6990814 | WHI11001203-044 | 0.8     | 13.73    | 5.55     | 19.4     | 98       | 0.6      | 10.2     | 2.1      | 66       | 0.82       | 1.4      | 1.4     | 0.6      | 1        |
| 11CB0852A | Skookum North | 625329 | 6990864 | WHI11001203-045 | 0.9     | 15.45    | 8.95     | 46.7     | 138      | 1.4      | 14.4     | 7.3      | 321      | 1.78       | 4.4      | 2.3     | 1.4      | 2.9      |
| 11CB0853A | Skookum North | 625326 | 6990909 | WHI11001203-046 | 0.94    | 36.6     | 10.45    | 29.4     | 281      | 0.4      | 23.1     | 6.7      | 184      | 1.34       | 2        | 4.7     | 0.4      | 0.4      |
| 11CB0854A | Skookum North | 625325 | 6990964 | WHI11001203-047 | 0.93    | 31.87    | 11.56    | 33.6     | 204      | 0.7      | 18.4     | 5.8      | 128      | 1.33       | 2.8      | 4.3     | 0.7      | 0.5      |
| 11CB0855A | Skookum North | 625323 | 6991007 | WHI11001203-048 | 1.1     | 15.12    | 3.9      | 25.4     | 150      | 0.7      | 9.4      | 2        | 258      | 0.57       | 1.1      | 2.7     | 0.7      | 0.5      |
| 11CB0856A | Skookum North | 625323 | 6991070 | WHI11001203-049 | 0.35    | 15.38    | 4.29     | 39.9     | 63       | 0.8      | 11.2     | 6.1      | 306      | 1.66       | 2.9      | 0.6     | 0.8      | 1.2      |
| 11CB0857A | Skookum North | 625314 | 6991129 | WHI11001203-050 | 0.91    | 11.27    | 6.61     | 52.8     | 199      | 0.099    | 11.1     | 8.9      | 4575     | 0.85       | 1.9      | 0.2     | 0.099    | 0.049    |
| 11CB0858A | Skookum North | 625314 | 6991167 | WHI11001203-051 | 2.16    | 10.69    | 8.26     | 44.2     | 1056     | 0.4      | 6.9      | 9.4      | 6919     | 0.68       | 1.9      | 0.2     | 0.4      | 0.049    |
| 11DS0852A | Skookum North | 625374 | 6992312 | WHI11001183-038 | 0.72    | 15.73    | 5.72     | 18.1     | 412      | 0.9      | 12.5     | 4.2      | 421      | 0.66       | 0.9      | 0.3     | 0.9      | 0.049    |
| 11DS0852A | Skookum North | 625374 | 6992312 | WHI11001183-038 | 0.72    | 15.73    | 5.72     | 18.1     | 412      | 0.9      | 12.5     | 4.2      | 421      | 0.66       | 0.9      | 0.3     | 0.9      | 0.049    |
| 11DS0853A | Skookum North | 625373 | 6992263 | WHI11001183-039 | 0.99    | 11.68    | 5.43     | 38.8     | 269      | 0.6      | 9.2      | 4.9      | 2118     | 0.71       | 1.3      | 0.2     | 0.6      | 0.049    |
| 11DS0853A | Skookum North | 625373 | 6992263 | WHI11001183-039 | 0.99    | 11.68    | 5.43     | 38.8     | 269      | 0.6      | 9.2      | 4.9      | 2118     | 0.71       | 1.3      | 0.2     | 0.6      | 0.049    |
| 11DS0854A | Skookum North | 625375 | 6992212 | WHI11001183-040 | 1.25    | 11.65    | 5.87     | 148.9    | 337      | 0.6      | 9.9      | 7.9      | 4363     | 1.07       | 1.6      | 0.1     | 0.6      | 0.1      |
| 11DS0854A | Skookum North | 625375 | 6992212 | WHI11001183-040 | 1.25    | 11.65    | 5.87     | 148.9    | 337      | 0.6      | 9.9      | 7.9      | 4363     | 1.07       | 1.6      | 0.1     | 0.6      | 0.1      |
| 11DS0855A | Skookum North | 625380 | 6992160 | WHI11001183-041 | 0.94    | 16.39    | 7.53     | 197.7    | 591      | 1.3      | 14.7     | 27.4     | 10000.1  | 1.24       | 1.4      | 0.2     | 1.3      | 0.049    |
| 11DS0855A | Skookum North | 625380 | 6992160 | WHI11001183-041 | 0.94    | 16.39    | 7.53     | 197.7    | 591      | 1.3      | 14.7     | 27.4     | 10000.1  | 1.24       | 1.4      | 0.2     | 1.3      | 0.049    |
| 11DS0856A | Skookum North | 625381 | 6992115 | WHI11001183-042 | 0.77    | 11.87    | 6.09     | 153      | 405      | 0.4      | 10       | 14.5     | 3158     | 0.92       | 1.4      | 0.1     | 0.4      | 0.049    |
| 11DS0856A | Skookum North | 625381 | 6992115 | WHI11001183-042 | 0.77    | 11.87    | 6.09     | 153      | 405      | 0.4      | 10       | 14.5     | 3158     | 0.92       | 1.4      | 0.1     | 0.4      | 0.049    |
| 11DS0857A | Skookum North | 625380 | 6992064 | WHI11001183-043 | 0.86    | 10.38    | 7.68     | 90.1     | 186      | 1.4      | 12.1     | 8.7      | 1875     | 1.81       | 2.3      | 0.2     | 1.4      | 0.049    |
| 11DS0857A | Skookum North | 625380 | 6992064 | WHI11001183-043 | 0.86    | 10.38    | 7.68     | 90.1     | 186      | 1.4      | 12.1     | 8.7      | 1875     | 1.81       | 2.3      | 0.2     | 1.4      | 0.049    |
| 11DS0858A | Skookum North | 625380 | 6992015 | WHI11001183-044 | 0.72    | 10.56    | 5.58     | 102.7    | 153      | 0.4      | 8.2      | 8.2      | 1244     | 1.23       | 1.5      | 0.1     | 0.4      | 0.2      |
| 11DS0858A | Skookum North | 625380 | 6992015 | WHI11001183-044 | 0.72    | 10.56    | 5.58     | 102.7    | 153      | 0.4      | 8.2      | 8.2      | 1244     | 1.23       | 1.5      | 0.1     | 0.4      | 0.2      |
| 11DS0859A | Skookum North | 625382 | 6991964 | WHI11001183-045 | 0.69    | 10.6     | 6.65     | 102.5    | 160      | 1.6      | 11       | 9.6      | 2232     | 1.4        | 1.9      | 0.2     | 1.6      | 0.3      |
| 11DS0859A | Skookum North | 625382 | 6991964 | WHI11001183-045 | 0.69    | 10.6     | 6.65     | 102.5    | 160      | 1.6      | 11       | 9.6      | 2232     | 1.4        | 1.9      | 0.2     | 1.6      | 0.3      |
| 11DS0860A | Skookum North | 625383 | 6991919 | WHI11001183-046 | 0.65    | 10.17    | 5.47     | 118.3    | 244      | 0.3      | 10       | 11.6     | 3031     | 0.89       | 2.2      | 0.1     | 0.3      | 0.1      |
| 11DS0860A | Skookum North | 625383 | 6991919 | WHI11001183-046 | 0.65    | 10.17    | 5.47     | 118.3    | 244      | 0.3      | 10       | 11.6     | 3031     | 0.89       | 2.2      | 0.1     | 0.3      | 0.1      |
| 11DS0862A | Skookum North | 625388 | 6991868 | WHI11001183-048 | 0.61    | 12.26    | 2.15     | 19.1     | 128      | 1.3      | 7.7      | 2.6      | 175      | 0.65       | 1.6      | 0.4     | 1.3      | 0.3      |
| 11DS0862A | Skookum North | 625388 | 6991868 | WHI11001183-048 | 0.61    | 12.26    | 2.15     | 19.1     | 128      | 1.3      | 7.7      | 2.6      | 175      | 0.65       | 1.6      | 0.4     | 1.3      | 0.3      |



| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11DS0863A | Skookum North | 625391 | 6991814 | WHI11001183-049 | 1.07    | 10.3     | 5.01     | 19.4     | 202      | 0.9       | 5.7       | 2.3      | 109       | 0.6        | 1.2       | 0.3      | 0.9       | 0.049     |
| 11DS0863A | Skookum North | 625391 | 6991814 | WHI11001183-049 | 1.07    | 10.3     | 5.01     | 19.4     | 202      | 0.9       | 5.7       | 2.3      | 109       | 0.6        | 1.2       | 0.3      | 0.9       | 0.049     |
| 11DS0864A | Skookum North | 625391 | 6991768 | WHI11001183-050 | 0.87    | 47.91    | 9.68     | 39.3     | 1572     | 1.7       | 14.4      | 16.9     | 275       | 1.21       | 1.1       | 2.2      | 1.7       | 0.1       |
| 11DS0864A | Skookum North | 625391 | 6991768 | WHI11001183-050 | 0.87    | 47.91    | 9.68     | 39.3     | 1572     | 1.7       | 14.4      | 16.9     | 275       | 1.21       | 1.1       | 2.2      | 1.7       | 0.1       |
| 11DS0865A | Skookum North | 625384 | 6991712 | WHI11001183-051 | 0.97    | 14.81    | 3.62     | 34.8     | 276      | 1         | 6.8       | 2.8      | 158       | 1.24       | 1.7       | 0.5      | 1         | 0.1       |
| 11DS0865A | Skookum North | 625384 | 6991712 | WHI11001183-051 | 0.97    | 14.81    | 3.62     | 34.8     | 276      | 1         | 6.8       | 2.8      | 158       | 1.24       | 1.7       | 0.5      | 1         | 0.1       |
| 11DS0866A | Skookum North | 625394 | 6991666 | WHI11001183-052 | 0.49    | 17.01    | 5.67     | 18.9     | 567      | 0.7       | 7.7       | 4.2      | 107       | 0.91       | 1.3       | 0.6      | 0.7       | 0.049     |
| 11DS0866A | Skookum North | 625394 | 6991666 | WHI11001183-052 | 0.49    | 17.01    | 5.67     | 18.9     | 567      | 0.7       | 7.7       | 4.2      | 107       | 0.91       | 1.3       | 0.6      | 0.7       | 0.049     |
| 11DS0867A | Skookum North | 625403 | 6991618 | WHI11001183-053 | 0.45    | 14.02    | 9.99     | 64.8     | 161      | 2         | 42        | 12.1     | 920       | 2.68       | 2.2       | 0.9      | 2         | 1.1       |
| 11DS0867A | Skookum North | 625403 | 6991618 | WHI11001183-053 | 0.45    | 14.02    | 9.99     | 64.8     | 161      | 2         | 42        | 12.1     | 920       | 2.68       | 2.2       | 0.9      | 2         | 1.1       |
| 11DS0868A | Skookum North | 625397 | 6991558 | WHI11001183-054 | 0.88    | 13.12    | 8.07     | 36.5     | 198      | 7.3       | 9.2       | 8.8      | 528       | 1.64       | 2.6       | 1.1      | 7.3       | 0.2       |
| 11DS0868A | Skookum North | 625397 | 6991558 | WHI11001183-054 | 0.88    | 13.12    | 8.07     | 36.5     | 198      | 7.3       | 9.2       | 8.8      | 528       | 1.64       | 2.6       | 1.1      | 7.3       | 0.2       |
| 11DS0869A | Skookum North | 625401 | 6991511 | WHI11001183-055 | 0.6     | 16.48    | 5.91     | 20.7     | 167      | 1.5       | 8.1       | 3.3      | 91        | 1.17       | 1.9       | 1        | 1.5       | 0.049     |
| 11DS0869A | Skookum North | 625401 | 6991511 | WHI11001183-055 | 0.6     | 16.48    | 5.91     | 20.7     | 167      | 1.5       | 8.1       | 3.3      | 91        | 1.17       | 1.9       | 1        | 1.5       | 0.049     |
| 11DS0870A | Skookum North | 625406 | 6991469 | WHI11001183-056 | 0.78    | 11.93    | 3.87     | 16.6     | 363      | 1.2       | 5.3       | 2        | 65        | 0.76       | 1.4       | 0.5      | 1.2       | 0.049     |
| 11DS0870A | Skookum North | 625406 | 6991469 | WHI11001183-056 | 0.78    | 11.93    | 3.87     | 16.6     | 363      | 1.2       | 5.3       | 2        | 65        | 0.76       | 1.4       | 0.5      | 1.2       | 0.049     |
| 11DS0871A | Skookum North | 625405 | 6991416 | WHI11001183-057 | 0.76    | 10.86    | 4.75     | 22.7     | 408      | 0.8       | 7.2       | 2.8      | 95        | 1.11       | 2         | 0.7      | 0.8       | 0.049     |
| 11DS0871A | Skookum North | 625405 | 6991416 | WHI11001183-057 | 0.76    | 10.86    | 4.75     | 22.7     | 408      | 0.8       | 7.2       | 2.8      | 95        | 1.11       | 2         | 0.7      | 0.8       | 0.049     |
| 11DS0872A | Skookum North | 625405 | 6991362 | WHI11001183-058 | 0.61    | 18.31    | 5.21     | 11.4     | 127      | 0.5       | 6.4       | 1.7      | 47        | 0.86       | 1.6       | 0.7      | 0.5       | 0.049     |
| 11DS0872A | Skookum North | 625405 | 6991362 | WHI11001183-058 | 0.61    | 18.31    | 5.21     | 11.4     | 127      | 0.5       | 6.4       | 1.7      | 47        | 0.86       | 1.6       | 0.7      | 0.5       | 0.049     |
| 11DS0873A | Skookum North | 625409 | 6991319 | WHI11001183-059 | 0.65    | 11.32    | 4.73     | 15.6     | 285      | 0.4       | 5.2       | 1.6      | 114       | 0.7        | 1.1       | 0.3      | 0.4       | 0.049     |
| 11DS0873A | Skookum North | 625409 | 6991319 | WHI11001183-059 | 0.65    | 11.32    | 4.73     | 15.6     | 285      | 0.4       | 5.2       | 1.6      | 114       | 0.7        | 1.1       | 0.3      | 0.4       | 0.049     |
| 11DS0874A | Skookum North | 625409 | 6991264 | WHI11001183-200 | 0.8     | 13.13    | 4.22     | 14.9     | 534      | 0.8       | 6.2       | 1.9      | 32        | 0.61       | 1.1       | 0.3      | 0.8       | 0.049     |
| 11DS0874A | Skookum North | 625409 | 6991264 | WHI11001183-200 | 0.8     | 13.13    | 4.22     | 14.9     | 534      | 0.8       | 6.2       | 1.9      | 32        | 0.61       | 1.1       | 0.3      | 0.8       | 0.049     |
| 11DS0875A | Skookum North | 625412 | 6991213 | WHI11001183-060 | 0.58    | 20.89    | 4.06     | 12.9     | 413      | 0.5       | 8         | 2.3      | 36        | 0.68       | 1.3       | 0.2      | 0.5       | 0.049     |
| 11DS0875A | Skookum North | 625412 | 6991213 | WHI11001183-060 | 0.58    | 20.89    | 4.06     | 12.9     | 413      | 0.5       | 8         | 2.3      | 36        | 0.68       | 1.3       | 0.2      | 0.5       | 0.049     |
| 11DS0876A | Skookum North | 625412 | 6991163 | WHI11001183-061 | 0.81    | 11.3     | 4.87     | 14.1     | 352      | 0.5       | 4.5       | 1.7      | 37        | 0.6        | 1.3       | 0.2      | 0.5       | 0.049     |
| 11DS0876A | Skookum North | 625412 | 6991163 | WHI11001183-061 | 0.81    | 11.3     | 4.87     | 14.1     | 352      | 0.5       | 4.5       | 1.7      | 37        | 0.6        | 1.3       | 0.2      | 0.5       | 0.049     |
| 11DS0877A | Skookum North | 625420 | 6991112 | WHI11001183-062 | 0.93    | 11.88    | 7.71     | 49       | 119      | 1.2       | 11.4      | 8.9      | 1425      | 2.37       | 3.4       | 0.3      | 1.2       | 0.8       |
| 11DS0877A | Skookum North | 625420 | 6991112 | WHI11001183-062 | 0.93    | 11.88    | 7.71     | 49       | 119      | 1.2       | 11.4      | 8.9      | 1425      | 2.37       | 3.4       | 0.3      | 1.2       | 0.8       |
| 11TB0874A | Skookum North | 625458 | 6989961 | WHI11001183-125 | 5.87    | 54.02    | 22.74    | 118.1    | 1014     | 22.5      | 18.1      | 11       | 2038      | 1.92       | 2.9       | 4.7      | 22.5      | 1.7       |
| 11TB0874A | Skookum North | 625458 | 6989961 | WHI11001183-125 | 5.87    | 54.02    | 22.74    | 118.1    | 1014     | 22.5      | 18.1      | 11       | 2038      | 1.92       | 2.9       | 4.7      | 22.5      | 1.7       |
| 11TB0875A | Skookum North | 625454 | 6990023 | WHI11001183-126 | 1.75    | 26.62    | 10.36    | 30.4     | 477      | 1.4       | 8.1       | 2.7      | 131       | 1.12       | 2.1       | 1.1      | 1.4       | 0.2       |
| 11TB0875A | Skookum North | 625454 | 6990023 | WHI11001183-126 | 1.75    | 26.62    | 10.36    | 30.4     | 477      | 1.4       | 8.1       | 2.7      | 131       | 1.12       | 2.1       | 1.1      | 1.4       | 0.2       |
| 11TB0876A | Skookum North | 625451 | 6990070 | WHI11001183-127 | 1.3     | 16.49    | 4.31     | 37       | 229      | 4.3       | 7.2       | 1.7      | 129       | 0.79       | 1.5       | 0.5      | 4.3       | 0.049     |
| 11TB0876A | Skookum North | 625451 | 6990070 | WHI11001183-127 | 1.3     | 16.49    | 4.31     | 37       | 229      | 4.3       | 7.2       | 1.7      | 129       | 0.79       | 1.5       | 0.5      | 4.3       | 0.049     |
| 11TB0877A | Skookum North | 625451 | 6990120 | WHI11001183-128 | 1.34    | 30.03    | 7.26     | 39.8     | 819      | 0.9       | 13.2      | 3.5      | 189       | 0.84       | 1.4       | 1.4      | 0.9       | 0.2       |
| 11TB0877A | Skookum North | 625451 | 6990120 | WHI11001183-128 | 1.34    | 30.03    | 7.26     | 39.8     | 819      | 0.9       | 13.2      | 3.5      | 189       | 0.84       | 1.4       | 1.4      | 0.9       | 0.2       |
| 11TB0878A | Skookum North | 625443 | 6990166 | WHI11001183-129 | 0.9     | 15.68    | 7.48     | 33.5     | 1321     | 0.8       | 8.7       | 2.8      | 60        | 0.75       | 1.7       | 0.3      | 0.8       | 0.049     |
| 11TB0878A | Skookum North | 625443 | 6990166 | WHI11001183-129 | 0.9     | 15.68    | 7.48     | 33.5     | 1321     | 0.8       | 8.7       | 2.8      | 60        | 0.75       | 1.7       | 0.3      | 0.8       | 0.049     |
| 11TB0880A | Skookum North | 625453 | 6990220 | WHI11001183-131 | 2.16    | 14.01    | 5.03     | 29.4     | 154      | 1.2       | 8         | 3.5      | 130       | 1.27       | 2.9       | 1.1      | 1.2       | 0.8       |
| 11TB0880A | Skookum North | 625453 | 6990220 | WHI11001183-131 | 2.16    | 14.01    | 5.03     | 29.4     | 154      | 1.2       | 8         | 3.5      | 130       | 1.27       | 2.9       | 1.1      | 1.2       | 0.8       |
| 11TB0882A | Skookum North | 625447 | 6990264 | WHI11001183-133 | 1.99    | 36.82    | 8.88     | 41.6     | 373      | 2.1       | 17.3      | 6.4      | 224       | 1.56       | 2.4       | 3.1      | 2.1       | 0.4       |
| 11TB0882A | Skookum North | 625447 | 6990264 | WHI11001183-133 | 1.99    | 36.82    | 8.88     | 41.6     | 373      | 2.1       | 17.3      | 6.4      | 224       | 1.56       | 2.4       | 3.1      | 2.1       | 0.4       |
| 11TB0883A | Skookum North | 625444 | 6990315 | WHI11001183-134 | 1.7     | 18.01    | 8.88     | 61.8     | 297      | 49        | 9.3       | 4.9      | 421       | 1.56       | 2.4       | 1.6      | 49        | 1.6       |
| 11TB0883A | Skookum North | 625444 | 6990315 | WHI11001183-134 | 1.7     | 18.01    | 8.88     | 61.8     | 297      | 49        | 9.3       | 4.9      | 421       | 1.56       | 2.4       | 1.6      | 49        | 1.6       |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11TB0884A | Skookum North | 625443 | 6990362 | WHI11001183-135 | 1.52    | 14.45    | 5.27     | 30.4     | 146      | 1.1      | 9.9      | 4.4      | 156     | 1.34       | 2.7      | 1.3     | 1.1      | 0.5      |
| 11TB0884A | Skookum North | 625443 | 6990362 | WHI11001183-135 | 1.52    | 14.45    | 5.27     | 30.4     | 146      | 1.1      | 9.9      | 4.4      | 156     | 1.34       | 2.7      | 1.3     | 1.1      | 0.5      |
| 11TB0885A | Skookum North | 625439 | 6990421 | WHI11001183-136 | 1.01    | 27.86    | 5.4      | 78.4     | 216      | 0.9      | 12       | 3.1      | 122     | 1.13       | 1.7      | 0.3     | 0.9      | 0.049    |
| 11TB0885A | Skookum North | 625439 | 6990421 | WHI11001183-136 | 1.01    | 27.86    | 5.4      | 78.4     | 216      | 0.9      | 12       | 3.1      | 122     | 1.13       | 1.7      | 0.3     | 0.9      | 0.049    |
| 11TB0886A | Skookum North | 625440 | 6990474 | WHI11001183-137 | 0.89    | 12.35    | 7.17     | 34.9     | 88       | 2.1      | 6.5      | 2.4      | 139     | 1.15       | 1.6      | 0.3     | 2.1      | 0.3      |
| 11TB0886A | Skookum North | 625440 | 6990474 | WHI11001183-137 | 0.89    | 12.35    | 7.17     | 34.9     | 88       | 2.1      | 6.5      | 2.4      | 139     | 1.15       | 1.6      | 0.3     | 2.1      | 0.3      |
| 11TB0887A | Skookum North | 625448 | 6990156 | WHI11001183-138 | 0.73    | 19.89    | 4.6      | 36.9     | 224      | 2.5      | 9        | 2.9      | 517     | 0.74       | 1.1      | 0.3     | 2.5      | 0.049    |
| 11TB0887A | Skookum North | 625448 | 6990156 | WHI11001183-138 | 0.73    | 19.89    | 4.6      | 36.9     | 224      | 2.5      | 9        | 2.9      | 517     | 0.74       | 1.1      | 0.3     | 2.5      | 0.049    |
| 11TB0888A | Skookum North | 625442 | 6990566 | WHI11001183-139 | 1.47    | 26.8     | 7.44     | 39.5     | 303      | 4.2      | 18.7     | 13.1     | 1061    | 2.27       | 4.5      | 7       | 4.2      | 3.2      |
| 11TB0888A | Skookum North | 625442 | 6990566 | WHI11001183-139 | 1.47    | 26.8     | 7.44     | 39.5     | 303      | 4.2      | 18.7     | 13.1     | 1061    | 2.27       | 4.5      | 7       | 4.2      | 3.2      |
| 11TB0889A | Skookum North | 625434 | 6990611 | WHI11001183-140 | 1.03    | 12.33    | 5.88     | 22.3     | 67       | 1.5      | 6.2      | 2        | 100     | 1.2        | 3.4      | 0.4     | 1.5      | 0.1      |
| 11TB0889A | Skookum North | 625434 | 6990611 | WHI11001183-140 | 1.03    | 12.33    | 5.88     | 22.3     | 67       | 1.5      | 6.2      | 2        | 100     | 1.2        | 3.4      | 0.4     | 1.5      | 0.1      |
| 11TB0904A | Skookum North | 625438 | 6990667 | WHI11001183-155 | 0.55    | 12.19    | 6.18     | 19.3     | 84       | 1.8      | 5.8      | 2.4      | 72      | 1.05       | 2.2      | 0.3     | 1.8      | 0.1      |
| 11TB0904A | Skookum North | 625438 | 6990667 | WHI11001183-155 | 0.55    | 12.19    | 6.18     | 19.3     | 84       | 1.8      | 5.8      | 2.4      | 72      | 1.05       | 2.2      | 0.3     | 1.8      | 0.1      |
| 11TB0905A | Skookum North | 625437 | 6990714 | WHI11001183-156 | 0.85    | 14.36    | 5.41     | 37.5     | 163      | 3.5      | 14.6     | 4.5      | 153     | 1.52       | 2.8      | 2.3     | 3.5      | 3.6      |
| 11TB0905A | Skookum North | 625437 | 6990714 | WHI11001183-156 | 0.85    | 14.36    | 5.41     | 37.5     | 163      | 3.5      | 14.6     | 4.5      | 153     | 1.52       | 2.8      | 2.3     | 3.5      | 3.6      |
| 11TB0906A | Skookum North | 625423 | 6990771 | WHI11001183-157 | 0.87    | 15.34    | 5.09     | 30.9     | 97       | 1.2      | 12.3     | 4.8      | 135     | 1.43       | 2.5      | 1.8     | 1.2      | 1.2      |
| 11TB0906A | Skookum North | 625423 | 6990771 | WHI11001183-157 | 0.87    | 15.34    | 5.09     | 30.9     | 97       | 1.2      | 12.3     | 4.8      | 135     | 1.43       | 2.5      | 1.8     | 1.2      | 1.2      |
| 11TB0907A | Skookum North | 625434 | 6990857 | WHI11001183-158 | 0.69    | 10.57    | 4.28     | 25.7     | 128      | 0.9      | 8.9      | 3.3      | 89      | 1.28       | 2.9      | 1.3     | 0.9      | 1        |
| 11TB0907A | Skookum North | 625434 | 6990857 | WHI11001183-158 | 0.69    | 10.57    | 4.28     | 25.7     | 128      | 0.9      | 8.9      | 3.3      | 89      | 1.28       | 2.9      | 1.3     | 0.9      | 1        |
| 11TB0908A | Skookum North | 625429 | 6990816 | WHI11001183-159 | 0.77    | 18.21    | 5.99     | 35.7     | 211      | 2.1      | 12.3     | 4.9      | 115     | 1.5        | 3.4      | 2       | 2.1      | 1.3      |
| 11TB0908A | Skookum North | 625429 | 6990816 | WHI11001183-159 | 0.77    | 18.21    | 5.99     | 35.7     | 211      | 2.1      | 12.3     | 4.9      | 115     | 1.5        | 3.4      | 2       | 2.1      | 1.3      |
| 11TB0909A | Skookum North | 625425 | 6990920 | WHI11001183-160 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11TB0909A | Skookum North | 625425 | 6990920 | WHI11001183-160 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11TB0910A | Skookum North | 625419 | 6990965 | WHI11001183-161 | 1.24    | 13.08    | 8.23     | 53.4     | 210      | 0.7      | 13.1     | 10.3     | 2230    | 1.86       | 3.2      | 0.5     | 0.7      | 1.4      |
| 11TB0910A | Skookum North | 625419 | 6990965 | WHI11001183-161 | 1.24    | 13.08    | 8.23     | 53.4     | 210      | 0.7      | 13.1     | 10.3     | 2230    | 1.86       | 3.2      | 0.5     | 0.7      | 1.4      |
| 11TB0911A | Skookum North | 625419 | 6991022 | WHI11001183-162 | 0.82    | 10.03    | 6.42     | 23.5     | 58       | 1.3      | 5.2      | 2        | 99      | 1.09       | 1.9      | 0.6     | 1.3      | 0.049    |
| 11TB0911A | Skookum North | 625419 | 6991022 | WHI11001183-162 | 0.82    | 10.03    | 6.42     | 23.5     | 58       | 1.3      | 5.2      | 2        | 99      | 1.09       | 1.9      | 0.6     | 1.3      | 0.049    |
| 11TB0912A | Skookum North | 625431 | 6991076 | WHI11001183-163 | 0.96    | 9.68     | 7.68     | 34.5     | 215      | 0.6      | 8        | 6.9      | 3667    | 0.82       | 0.7      | 0.5     | 0.6      | 0.2      |
| 11TB0912A | Skookum North | 625431 | 6991076 | WHI11001183-163 | 0.96    | 9.68     | 7.68     | 34.5     | 215      | 0.6      | 8        | 6.9      | 3667    | 0.82       | 0.7      | 0.5     | 0.6      | 0.2      |
| 11AN0168A | Skookum North | 625080 | 6989450 | WHI11001203-170 | 1.07    | 17.55    | 5.64     | 19.2     | 902      | 2.5      | 7.4      | 1.9      | 39      | 0.59       | 0.9      | 0.5     | 2.5      | 0.049    |
| 11AN0169A | Skookum North | 625079 | 6989500 | WHI11001203-171 | 14.56   | 25.7     | 4.75     | 28.2     | 400      | 52.4     | 29       | 7.1      | 1710    | 1.48       | 2.4      | 3       | 52.4     | 0.7      |
| 11AN0170A | Skookum North | 625076 | 6989550 | WHI11001203-172 | 1.22    | 11.77    | 6.37     | 22.8     | 269      | 0.099    | 5.1      | 1.7      | 62      | 0.74       | 1.3      | 0.4     | 0.099    | 0.1      |
| 11AN0171A | Skookum North | 625078 | 6989610 | WHI11001203-173 | 1.52    | 16.39    | 7.75     | 57.3     | 474      | 47.1     | 7.5      | 2.6      | 539     | 1.21       | 2.3      | 0.3     | 47.1     | 0.1      |
| 11AN0172A | Skookum North | 625078 | 6989660 | WHI11001203-174 | 1.8     | 20.47    | 11.91    | 44.7     | 848      | 16.7     | 8.9      | 3.2      | 215     | 1.5        | 1.7      | 0.6     | 16.7     | 0.5      |
| 11AN0173A | Skookum North | 625081 | 6989704 | WHI11001203-175 | 1.46    | 18.29    | 8.6      | 25.3     | 578      | 3.4      | 11.2     | 2.5      | 98      | 0.77       | 0.9      | 1       | 3.4      | 0.2      |
| 11AN0174A | Skookum North | 625068 | 6989750 | WHI11001203-176 | 1.79    | 12.22    | 5.21     | 19.5     | 154      | 0.9      | 5.5      | 1.2      | 128     | 0.51       | 0.4      | 0.3     | 0.9      | 0.049    |
| 11AN0175A | Skookum North | 625066 | 6989800 | WHI11001203-177 | 2.14    | 19.59    | 7.41     | 33.8     | 246      | 0.099    | 7        | 2        | 99      | 0.81       | 0.9      | 0.3     | 0.099    | 0.049    |
| 11AN0176A | Skookum North | 625064 | 6989850 | WHI11001203-178 | 3.34    | 28.87    | 6.32     | 45.3     | 531      | 6.3      | 8.1      | 3.3      | 292     | 1.26       | 2.1      | 1       | 6.3      | 0.7      |
| 11AN0177A | Skookum North | 625060 | 6989900 | WHI11001203-179 | 4.47    | 29.32    | 11.42    | 52.3     | 415      | 2.7      | 14.9     | 6        | 684     | 1.61       | 2.4      | 1.4     | 2.7      | 1.7      |
| 11AN0178A | Skookum North | 625062 | 6989950 | WHI11001203-180 | 1.34    | 20.11    | 3.62     | 44.1     | 337      | 0.099    | 14.5     | 2.4      | 275     | 0.59       | 1        | 0.6     | 0.099    | 0.1      |
| 11AN0179A | Skookum North | 625059 | 6990000 | WHI11001203-181 | 1.22    | 40.46    | 12.56    | 40.2     | 891      | 3.4      | 25       | 5.7      | 185     | 1.78       | 2.8      | 1.6     | 3.4      | 0.7      |
| 11AN0180A | Skookum North | 625060 | 6990050 | WHI11001203-182 | 1.47    | 33.37    | 7.31     | 39.3     | 371      | 1.4      | 17.7     | 6.5      | 410     | 1.52       | 3.7      | 0.8     | 1.4      | 0.3      |
| 11AN0182A | Skookum North | 625061 | 6990101 | WHI11001203-184 | 1.69    | 28.57    | 12.63    | 34.2     | 570      | 2.2      | 12.3     | 4.2      | 158     | 1.8        | 3.8      | 1.1     | 2.2      | 1.1      |
| 11AN0183A | Skookum North | 625061 | 6990147 | WHI11001203-185 | 2.43    | 34.31    | 11.66    | 44.8     | 599      | 3.7      | 11.4     | 5.5      | 125     | 2.01       | 3.2      | 3       | 3.7      | 1.8      |
| 11AN0184A | Skookum North | 625052 | 6990200 | WHI11001203-186 | 1.05    | 18.55    | 11.94    | 61.7     | 186      | 2.8      | 13.2     | 5.6      | 147     | 1.89       | 4.3      | 1.5     | 2.8      | 4.8      |



| Sample No | Area          | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|---------|----------|----------|
| 11AN0185A | Skookum North | 625048 | 6990250 | WHI11001203-187 | 1.57     | 17.18    | 8.79     | 40.3     | 234      | 4.4      | 11.2     | 4.9      | 131      | 1.75       | 3.9      | 1.5     | 4.4      | 2        |
| 11AN0186A | Skookum North | 625047 | 6990349 | WHI11001203-188 | 1.64     | 16.52    | 8.29     | 44.1     | 193      | 4.4      | 11.6     | 4.5      | 115      | 1.85       | 4        | 1.3     | 4.4      | 1.8      |
| 11AN0187A | Skookum North | 625050 | 6990304 | WHI11001203-189 | 1.7      | 13.63    | 8.92     | 33.1     | 235      | 5.8      | 8.6      | 3.4      | 76       | 1.78       | 4.9      | 1.4     | 5.8      | 0.8      |
| 11CB0859A | Skookum North | 625279 | 6989462 | WHI11001203-052 | 0.88     | 29.17    | 7.18     | 31       | 667      | 0.3      | 14.8     | 5.4      | 942      | 0.92       | 1.4      | 0.3     | 0.3      | 0.049    |
| 11CB0860A | Skookum North | 625276 | 6989515 | WHI11001203-053 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11CB0862A | Skookum North | 625280 | 6989580 | WHI11001203-055 | 3.74     | 63.42    | 14.16    | 51.3     | 1357     | 7.9      | 18.6     | 14       | 2384     | 1.17       | 2.2      | 3.7     | 7.9      | 0.3      |
| 11CB0863A | Skookum North | 625277 | 6989634 | WHI11001203-056 | 1.2      | 21.42    | 9.01     | 63.7     | 675      | 9.6      | 8.5      | 2.3      | 132      | 0.82       | 1.7      | 0.2     | 9.6      | 0.049    |
| 11CB0864A | Skookum North | 625273 | 6989722 | WHI11001203-057 | 3.09     | 73.4     | 72.65    | 76.5     | 2688     | 10.5     | 30.9     | 10.3     | 471      | 2.05       | 3.7      | 2.6     | 10.5     | 0.3      |
| 11CB0865A | Skookum North | 625282 | 6989653 | WHI11001203-058 | 1.24     | 35.81    | 9        | 46       | 1081     | 3.8      | 20.3     | 8.6      | 1975     | 0.96       | 1.5      | 1.3     | 3.8      | 0.1      |
| 11CB0866A | Skookum North | 625267 | 6989757 | WHI11001203-059 | 1.33     | 32.8     | 13.17    | 292.3    | 917      | 2.4      | 12.4     | 4        | 2973     | 1.19       | 2        | 0.6     | 2.4      | 1.8      |
| 11CB0867A | Skookum North | 625270 | 6989808 | WHI11001203-060 | 1.45     | 42.49    | 14.55    | 96       | 1471     | 1.3      | 15.9     | 5        | 722      | 1.39       | 2        | 0.8     | 1.3      | 0.049    |
| 11CB0868A | Skookum North | 625267 | 6989861 | WHI11001203-061 | 2.5      | 28.18    | 15.71    | 59.5     | 1003     | 3.7      | 11.2     | 3.9      | 294      | 2.05       | 3.9      | 1.5     | 3.7      | 4.7      |
| 11CB0869A | Skookum North | 625265 | 6989913 | WHI11001203-062 | 4.1      | 35.74    | 13.36    | 55.3     | 925      | 3.1      | 15.2     | 4.7      | 294      | 2.24       | 4.4      | 2.1     | 3.1      | 5.5      |
| 11CB0870A | Skookum North | 625260 | 6989959 | WHI11001203-063 | 1.63     | 33.38    | 7.28     | 160.7    | 1063     | 0.5      | 14.7     | 3.6      | 1305     | 1.19       | 2.4      | 1.4     | 0.5      | 3.9      |
| 11CB0871A | Skookum North | 625260 | 6990010 | WHI11001203-064 | 3.25     | 55.38    | 15.08    | 140.9    | 1227     | 1.3      | 36       | 10.4     | 1017     | 3.12       | 4.8      | 4.2     | 1.3      | 6.6      |
| 11CB0872A | Skookum North | 625257 | 6990056 | WHI11001203-065 | 2.02     | 27.53    | 9.13     | 42.7     | 517      | 6.8      | 17.2     | 5.1      | 240      | 2.02       | 3.1      | 4.8     | 6.8      | 1.7      |
| 11CB0873A | Skookum North | 625253 | 6990106 | WHI11001203-066 | 2.52     | 22.55    | 9.97     | 58.1     | 200      | 4.3      | 19       | 8.8      | 368      | 2.27       | 3.8      | 4       | 4.3      | 3.7      |
| 11CB0874A | Skookum North | 625245 | 6990158 | WHI11001203-067 | 1.91     | 15.05    | 5.77     | 28.6     | 262      | 4.5      | 11.1     | 3.3      | 109      | 1.71       | 3.1      | 2.5     | 4.5      | 1.4      |
| 11CB0875A | Skookum North | 625251 | 6990207 | WHI11001203-068 | 2.38     | 12.07    | 8.1      | 39.1     | 184      | 4.6      | 8        | 4.2      | 148      | 1.6        | 2.9      | 1       | 4.6      | 1.3      |
| 11CB0876A | Skookum North | 625253 | 6990257 | WHI11001203-069 | 1.34     | 12.78    | 7.89     | 38.9     | 171      | 2.9      | 8.3      | 3.9      | 105      | 1.85       | 4.1      | 1.3     | 2.9      | 1.1      |
| 11CB0877A | Skookum North | 625250 | 6990307 | WHI11001203-070 | 1.46     | 13.91    | 4.4      | 20.7     | 219      | 2        | 6.2      | 3        | 100      | 1.72       | 3.4      | 1.3     | 2        | 0.5      |
| 11CB0878A | Skookum North | 625245 | 6990359 | WHI11001203-071 | 1.33     | 16.21    | 6.9      | 36.2     | 124      | 1.7      | 11.2     | 4.5      | 141      | 1.45       | 3        | 1       | 1.7      | 1.4      |
| 11CB0879A | Skookum North | 625241 | 6990408 | WHI11001203-072 | 1.18     | 11.16    | 3.29     | 22.9     | 128      | 1.3      | 10.1     | 3.3      | 87       | 0.88       | 1.2      | 1.3     | 1.3      | 0.9      |
| 11CB0880A | Skookum North | 625242 | 6990457 | WHI11001203-073 | 0.88     | 31.31    | 6.67     | 79.9     | 475      | 5.9      | 17.5     | 6.1      | 1997     | 1.19       | 1.9      | 0.8     | 5.9      | 0.2      |
| 11DS0879A | Skookum North | 624979 | 6989499 | WHI11001183-063 | 0.76     | 20.26    | 6.97     | 32.8     | 1069     | 0.5      | 9.2      | 3        | 78       | 0.61       | 1        | 0.2     | 0.5      | 0.049    |
| 11DS0879A | Skookum North | 624979 | 6989499 | WHI11001183-063 | 0.76     | 20.26    | 6.97     | 32.8     | 1069     | 0.5      | 9.2      | 3        | 78       | 0.61       | 1        | 0.2     | 0.5      | 0.049    |
| 11DS0880A | Skookum North | 624976 | 6989547 | WHI11001183-064 | 3.46     | 12.73    | 2.24     | 19.6     | 155      | 4        | 7.3      | 1.3      | 149      | 0.39       | 1        | 0.7     | 4        | 0.3      |
| 11DS0880A | Skookum North | 624976 | 6989547 | WHI11001183-064 | 3.46     | 12.73    | 2.24     | 19.6     | 155      | 4        | 7.3      | 1.3      | 149      | 0.39       | 1        | 0.7     | 4        | 0.3      |
| 11DS0882A | Skookum North | 624975 | 6989600 | WHI11001183-066 | 2.78     | 31.55    | 11.69    | 76.1     | 572      | 14.8     | 14.4     | 10.4     | 1046     | 2.06       | 2.8      | 2.3     | 14.8     | 2.4      |
| 11DS0882A | Skookum North | 624975 | 6989600 | WHI11001183-066 | 2.78     | 31.55    | 11.69    | 76.1     | 572      | 14.8     | 14.4     | 10.4     | 1046     | 2.06       | 2.8      | 2.3     | 14.8     | 2.4      |
| 11DS0883A | Skookum North | 624974 | 6989644 | WHI11001183-067 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0883A | Skookum North | 624974 | 6989644 | WHI11001183-067 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11DS0884A | Skookum North | 624970 | 6989692 | WHI11001183-068 | 1.25     | 20.67    | 9.27     | 40.8     | 548      | 13.5     | 9.8      | 6        | 626      | 1.2        | 1.8      | 3.2     | 13.5     | 0.9      |
| 11DS0884A | Skookum North | 624970 | 6989692 | WHI11001183-068 | 1.25     | 20.67    | 9.27     | 40.8     | 548      | 13.5     | 9.8      | 6        | 626      | 1.2        | 1.8      | 3.2     | 13.5     | 0.9      |
| 11DS0885A | Skookum North | 624971 | 6989745 | WHI11001183-069 | 5.4      | 46.07    | 6.78     | 23.5     | 397      | 10.5     | 12.3     | 5.3      | 385      | 1.07       | 1.7      | 3.4     | 10.5     | 0.7      |
| 11DS0885A | Skookum North | 624971 | 6989745 | WHI11001183-069 | 5.4      | 46.07    | 6.78     | 23.5     | 397      | 10.5     | 12.3     | 5.3      | 385      | 1.07       | 1.7      | 3.4     | 10.5     | 0.7      |
| 11DS0886A | Skookum North | 624965 | 6989798 | WHI11001183-070 | 4.39     | 32.49    | 5.94     | 41.8     | 363      | 5.6      | 9.1      | 4.9      | 774      | 1.16       | 1.5      | 1.9     | 5.6      | 0.9      |
| 11DS0886A | Skookum North | 624965 | 6989798 | WHI11001183-070 | 4.39     | 32.49    | 5.94     | 41.8     | 363      | 5.6      | 9.1      | 4.9      | 774      | 1.16       | 1.5      | 1.9     | 5.6      | 0.9      |
| 11DS0887A | Skookum North | 624965 | 6989850 | WHI11001183-071 | 4.72     | 35.35    | 7.3      | 23.7     | 332      | 6.6      | 6.6      | 1.8      | 79       | 0.79       | 1.3      | 1.4     | 6.6      | 0.049    |
| 11DS0887A | Skookum North | 624965 | 6989850 | WHI11001183-071 | 4.72     | 35.35    | 7.3      | 23.7     | 332      | 6.6      | 6.6      | 1.8      | 79       | 0.79       | 1.3      | 1.4     | 6.6      | 0.049    |
| 11DS0888A | Skookum North | 624961 | 6989895 | WHI11001183-072 | 1.37     | 22.59    | 4.68     | 70.6     | 402      | 0.099    | 10.7     | 2.8      | 799      | 0.76       | 1.2      | 0.4     | 0.099    | 0.049    |
| 11DS0888A | Skookum North | 624961 | 6989895 | WHI11001183-072 | 1.37     | 22.59    | 4.68     | 70.6     | 402      | 0.099    | 10.7     | 2.8      | 799      | 0.76       | 1.2      | 0.4     | 0.099    | 0.049    |
| 11DS0889A | Skookum North | 624964 | 6989949 | WHI11001183-073 | 1.66     | 38.45    | 9.16     | 33.3     | 467      | 6.9      | 20.4     | 8.8      | 466      | 1.51       | 2.8      | 14      | 6.9      | 1.6      |
| 11DS0889A | Skookum North | 624964 | 6989949 | WHI11001183-073 | 1.66     | 38.45    | 9.16     | 33.3     | 467      | 6.9      | 20.4     | 8.8      | 466      | 1.51       | 2.8      | 14      | 6.9      | 1.6      |
| 11DS0890A | Skookum North | 624966 | 6990001 | WHI11001183-074 | 2.14     | 49.28    | 10.13    | 59.2     | 945      | 0.8      | 22       | 5.4      | 291      | 1.16       | 2.1      | 3.6     | 0.8      | 0.3      |
| 11DS0890A | Skookum North | 624966 | 6990001 | WHI11001183-074 | 2.14     | 49.28    | 10.13    | 59.2     | 945      | 0.8      | 22       | 5.4      | 291      | 1.16       | 2.1      | 3.6     | 0.8      | 0.3      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11DS0891A | Skookum North | 624959 | 6990043 | WHI11001183-075 | 1.43    | 28.93    | 7.12     | 43.8     | 568      | 6         | 14.2      | 5.1      | 315       | 1.46       | 4         | 10.3     | 6         | 0.7       |
| 11DS0891A | Skookum North | 624959 | 6990043 | WHI11001183-075 | 1.43    | 28.93    | 7.12     | 43.8     | 568      | 6         | 14.2      | 5.1      | 315       | 1.46       | 4         | 10.3     | 6         | 0.7       |
| 11DS0892A | Skookum North | 624959 | 6990102 | WHI11001183-076 | 1.11    | 21.87    | 6.07     | 23.2     | 730      | 1.3       | 9.5       | 4        | 104       | 0.85       | 1.6       | 1.2      | 1.3       | 0.2       |
| 11DS0892A | Skookum North | 624959 | 6990102 | WHI11001183-076 | 1.11    | 21.87    | 6.07     | 23.2     | 730      | 1.3       | 9.5       | 4        | 104       | 0.85       | 1.6       | 1.2      | 1.3       | 0.2       |
| 11DS0893A | Skookum North | 624953 | 6990148 | WHI11001183-077 | 1.14    | 36.01    | 8.26     | 38.9     | 1221     | 1.2       | 16.9      | 5.5      | 168       | 1.19       | 1.9       | 1.3      | 1.2       | 0.1       |
| 11DS0893A | Skookum North | 624953 | 6990148 | WHI11001183-077 | 1.14    | 36.01    | 8.26     | 38.9     | 1221     | 1.2       | 16.9      | 5.5      | 168       | 1.19       | 1.9       | 1.3      | 1.2       | 0.1       |
| 11DS0894A | Skookum North | 624953 | 6990197 | WHI11001183-078 | 1.47    | 22.03    | 6.7      | 31.6     | 310      | 2.1       | 11.7      | 4.3      | 146       | 1.4        | 2.6       | 1.3      | 2.1       | 0.8       |
| 11DS0894A | Skookum North | 624953 | 6990197 | WHI11001183-078 | 1.47    | 22.03    | 6.7      | 31.6     | 310      | 2.1       | 11.7      | 4.3      | 146       | 1.4        | 2.6       | 1.3      | 2.1       | 0.8       |
| 11DS0896A | Skookum North | 624944 | 6990294 | WHI11001183-079 | 1.09    | 19.84    | 5.96     | 34.5     | 186      | 1.6       | 9.5       | 4.8      | 154       | 1.71       | 2.5       | 1.3      | 1.6       | 1.2       |
| 11DS0896A | Skookum North | 624944 | 6990294 | WHI11001183-079 | 1.09    | 19.84    | 5.96     | 34.5     | 186      | 1.6       | 9.5       | 4.8      | 154       | 1.71       | 2.5       | 1.3      | 1.6       | 1.2       |
| 11DS0897A | Skookum North | 624947 | 6990349 | WHI11001183-080 | 1.44    | 15.53    | 6.92     | 28       | 362      | 2.3       | 8.5       | 4.1      | 117       | 1.74       | 2.4       | 1.4      | 2.3       | 0.4       |
| 11DS0897A | Skookum North | 624947 | 6990349 | WHI11001183-080 | 1.44    | 15.53    | 6.92     | 28       | 362      | 2.3       | 8.5       | 4.1      | 117       | 1.74       | 2.4       | 1.4      | 2.3       | 0.4       |
| 11DS0898A | Skookum North | 624942 | 6990397 | WHI11001183-081 | 1.63    | 23.73    | 6.88     | 37.1     | 208      | 2.4       | 11.7      | 5.4      | 122       | 1.66       | 3.5       | 1.4      | 2.4       | 0.4       |
| 11DS0898A | Skookum North | 624942 | 6990397 | WHI11001183-081 | 1.63    | 23.73    | 6.88     | 37.1     | 208      | 2.4       | 11.7      | 5.4      | 122       | 1.66       | 3.5       | 1.4      | 2.4       | 0.4       |
| 11TB0914A | Skookum North | 625179 | 6989505 | WHI11001183-164 | 3.09    | 22.23    | 8.06     | 44.8     | 439      | 2.7       | 9.9       | 4.6      | 956       | 1.03       | 1.2       | 0.4      | 2.7       | 0.049     |
| 11TB0914A | Skookum North | 625179 | 6989505 | WHI11001183-164 | 3.09    | 22.23    | 8.06     | 44.8     | 439      | 2.7       | 9.9       | 4.6      | 956       | 1.03       | 1.2       | 0.4      | 2.7       | 0.049     |
| 11TB0915A | Skookum North | 625173 | 6989558 | WHI11001183-165 | 1.94    | 16.97    | 5.15     | 40.1     | 1613     | 7.1       | 8.7       | 2.3      | 89        | 0.65       | 1.3       | 0.6      | 7.1       | 0.049     |
| 11TB0915A | Skookum North | 625173 | 6989558 | WHI11001183-165 | 1.94    | 16.97    | 5.15     | 40.1     | 1613     | 7.1       | 8.7       | 2.3      | 89        | 0.65       | 1.3       | 0.6      | 7.1       | 0.049     |
| 11TB0916A | Skookum North | 625174 | 6989611 | WHI11001183-166 | 1.83    | 64.49    | 15.83    | 73       | 1075     | 3.3       | 18.2      | 7.1      | 547       | 1.72       | 3         | 1.3      | 3.3       | 1.3       |
| 11TB0916A | Skookum North | 625174 | 6989611 | WHI11001183-166 | 1.83    | 64.49    | 15.83    | 73       | 1075     | 3.3       | 18.2      | 7.1      | 547       | 1.72       | 3         | 1.3      | 3.3       | 1.3       |
| 11TB0917A | Skookum North | 625167 | 6989655 | WHI11001183-167 | 2.22    | 36.31    | 19.97    | 69.2     | 1150     | 15.6      | 15.6      | 6.6      | 516       | 2.05       | 2.4       | 1.2      | 15.6      | 1         |
| 11TB0917A | Skookum North | 625167 | 6989655 | WHI11001183-167 | 2.22    | 36.31    | 19.97    | 69.2     | 1150     | 15.6      | 15.6      | 6.6      | 516       | 2.05       | 2.4       | 1.2      | 15.6      | 1         |
| 11TB0918A | Skookum North | 625170 | 6989708 | WHI11001183-168 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB0918A | Skookum North | 625170 | 6989708 | WHI11001183-168 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB0920A | Skookum North | 625174 | 6989761 | WHI11001183-170 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB0920A | Skookum North | 625174 | 6989761 | WHI11001183-170 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB0922A | Skookum North | 625171 | 6989811 | WHI11001183-172 | 4.58    | 50.41    | 16.65    | 51.5     | 1338     | 9.8       | 18        | 5.4      | 155       | 1.83       | 3         | 2.2      | 9.8       | 0.4       |
| 11TB0922A | Skookum North | 625171 | 6989811 | WHI11001183-172 | 4.58    | 50.41    | 16.65    | 51.5     | 1338     | 9.8       | 18        | 5.4      | 155       | 1.83       | 3         | 2.2      | 9.8       | 0.4       |
| 11TB0923A | Skookum North | 625160 | 6989857 | WHI11001183-173 | 3.08    | 61.44    | 11.82    | 73.5     | 1090     | 4.5       | 18.9      | 4.6      | 373       | 2.01       | 2.5       | 1.3      | 4.5       | 0.7       |
| 11TB0923A | Skookum North | 625160 | 6989857 | WHI11001183-173 | 3.08    | 61.44    | 11.82    | 73.5     | 1090     | 4.5       | 18.9      | 4.6      | 373       | 2.01       | 2.5       | 1.3      | 4.5       | 0.7       |
| 11TB0924A | Skookum North | 625163 | 6989903 | WHI11001183-174 | 3.79    | 14.74    | 4.28     | 20.8     | 431      | 19.1      | 7         | 2.2      | 54        | 0.72       | 1.9       | 0.5      | 19.1      | 0.049     |
| 11TB0924A | Skookum North | 625163 | 6989903 | WHI11001183-174 | 3.79    | 14.74    | 4.28     | 20.8     | 431      | 19.1      | 7         | 2.2      | 54        | 0.72       | 1.9       | 0.5      | 19.1      | 0.049     |
| 11TB0925A | Skookum North | 625164 | 6989958 | WHI11001183-175 | 1.05    | 22.06    | 9.61     | 72.5     | 316      | 0.8       | 15.7      | 3.3      | 985       | 0.82       | 1.5       | 0.3      | 0.8       | 0.049     |
| 11TB0925A | Skookum North | 625164 | 6989958 | WHI11001183-175 | 1.05    | 22.06    | 9.61     | 72.5     | 316      | 0.8       | 15.7      | 3.3      | 985       | 0.82       | 1.5       | 0.3      | 0.8       | 0.049     |
| 11TB0926A | Skookum North | 625162 | 6990005 | WHI11001183-176 | 1.37    | 15.44    | 3.76     | 25       | 435      | 0.099     | 8.3       | 2.4      | 130       | 0.67       | 1.2       | 0.3      | 0.099     | 0.049     |
| 11TB0926A | Skookum North | 625162 | 6990005 | WHI11001183-176 | 1.37    | 15.44    | 3.76     | 25       | 435      | 0.099     | 8.3       | 2.4      | 130       | 0.67       | 1.2       | 0.3      | 0.099     | 0.049     |
| 11TB0927A | Skookum North | 625160 | 6990059 | WHI11001183-177 | 1.16    | 15.7     | 4.67     | 30.2     | 348      | 1.2       | 9.2       | 2.8      | 166       | 0.88       | 1.6       | 0.3      | 1.2       | 0.049     |
| 11TB0927A | Skookum North | 625160 | 6990059 | WHI11001183-177 | 1.16    | 15.7     | 4.67     | 30.2     | 348      | 1.2       | 9.2       | 2.8      | 166       | 0.88       | 1.6       | 0.3      | 1.2       | 0.049     |
| 11TB0928A | Skookum North | 625159 | 6990111 | WHI11001183-178 | 1.26    | 26.55    | 7        | 26.4     | 206      | 0.9       | 11.3      | 2.9      | 164       | 1.18       | 1.8       | 1.1      | 0.9       | 0.2       |
| 11TB0928A | Skookum North | 625159 | 6990111 | WHI11001183-178 | 1.26    | 26.55    | 7        | 26.4     | 206      | 0.9       | 11.3      | 2.9      | 164       | 1.18       | 1.8       | 1.1      | 0.9       | 0.2       |
| 11TB0929A | Skookum North | 625163 | 6990155 | WHI11001183-179 | 0.9     | 15.28    | 7.19     | 38.5     | 246      | 6.9       | 14.7      | 8.5      | 313       | 1.74       | 1.9       | 2.4      | 6.9       | 1.5       |
| 11TB0929A | Skookum North | 625163 | 6990155 | WHI11001183-179 | 0.9     | 15.28    | 7.19     | 38.5     | 246      | 6.9       | 14.7      | 8.5      | 313       | 1.74       | 1.9       | 2.4      | 6.9       | 1.5       |
| 11TB0930A | Skookum North | 625158 | 6990206 | WHI11001183-180 | 2.32    | 23.56    | 8.03     | 40.7     | 416      | 4.5       | 13.5      | 5.5      | 140       | 2.03       | 5         | 2        | 4.5       | 0.9       |
| 11TB0930A | Skookum North | 625158 | 6990206 | WHI11001183-180 | 2.32    | 23.56    | 8.03     | 40.7     | 416      | 4.5       | 13.5      | 5.5      | 140       | 2.03       | 5         | 2        | 4.5       | 0.9       |
| 11TB0931A | Skookum North | 625151 | 6990252 | WHI11001183-181 | 2.4     | 15.42    | 6.6      | 26.4     | 264      | 2.4       | 8.1       | 3.4      | 101       | 1.74       | 3.3       | 1.6      | 2.4       | 0.3       |
| 11TB0931A | Skookum North | 625151 | 6990252 | WHI11001183-181 | 2.4     | 15.42    | 6.6      | 26.4     | 264      | 2.4       | 8.1       | 3.4      | 101       | 1.74       | 3.3       | 1.6      | 2.4       | 0.3       |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11TB0932A | Skookum North | 625149 | 6990304 | WHI11001183-182 | 0.98    | 10.81    | 7.56     | 37.1     | 117      | 6.7      | 9.7      | 3.2      | 97      | 1.47       | 3.1      | 0.9     | 6.7      | 1.9      |
| 11TB0932A | Skookum North | 625149 | 6990304 | WHI11001183-182 | 0.98    | 10.81    | 7.56     | 37.1     | 117      | 6.7      | 9.7      | 3.2      | 97      | 1.47       | 3.1      | 0.9     | 6.7      | 1.9      |
| 11AN0188A | Skookum North | 625043 | 6990399 | WHI11001203-190 | 1.22    | 8.82     | 7.67     | 34.4     | 95       | 6.9      | 8.6      | 3.1      | 87      | 1.45       | 3        | 0.8     | 6.9      | 1.4      |
| 11AN0189A | Skookum North | 625036 | 6990450 | WHI11001203-191 | 1.05    | 13.54    | 8.18     | 37.1     | 191      | 6.3      | 10.3     | 4.2      | 103     | 1.65       | 3.7      | 1.2     | 6.3      | 1.5      |
| 11AN0190A | Skookum North | 625037 | 6990499 | WHI11001203-192 | 1.28    | 23.74    | 8.94     | 41.8     | 301      | 2.7      | 13.8     | 5.4      | 120     | 2.13       | 4.9      | 2.2     | 2.7      | 2        |
| 11AN0191A | Skookum North | 625041 | 6990544 | WHI11001203-193 | 1.18    | 24.09    | 6.54     | 27.4     | 201      | 0.9      | 13.4     | 4.8      | 111     | 1.3        | 1.9      | 2.2     | 0.9      | 0.6      |
| 11AN0192A | Skookum North | 625036 | 6990599 | WHI11001203-194 | 1.21    | 22.44    | 9.72     | 44.7     | 337      | 3.3      | 17.2     | 6.6      | 125     | 2.49       | 5.9      | 2.1     | 3.3      | 2.5      |
| 11AN0193A | Skookum North | 625034 | 6990649 | WHI11001203-195 | 1.09    | 39.91    | 12.14    | 53.6     | 686      | 1.8      | 19.2     | 5.6      | 124     | 2.47       | 4.4      | 4.4     | 1.8      | 2.1      |
| 11AN0194A | Skookum North | 625032 | 6990699 | WHI11001203-196 | 1.41    | 28.72    | 9.4      | 39.1     | 501      | 3.6      | 20.8     | 5.8      | 121     | 1.66       | 3.1      | 1.3     | 3.6      | 1.1      |
| 11AN0195A | Skookum North | 625031 | 6990749 | WHI11001203-197 | 0.86    | 30.81    | 13.03    | 31.2     | 380      | 1.8      | 10.8     | 2.9      | 76      | 1.37       | 2.2      | 2.1     | 1.8      | 0.3      |
| 11AN0196A | Skookum North | 625029 | 6990799 | WHI11001203-198 | 0.95    | 23.4     | 10.87    | 44.7     | 591      | 2.4      | 11.1     | 4.7      | 84      | 1.68       | 3        | 2.3     | 2.4      | 2.1      |
| 11AN0197A | Skookum North | 625027 | 6990849 | WHI11001203-199 | 1.13    | 18.37    | 10.14    | 51.4     | 336      | 0.5      | 8.8      | 2.8      | 153     | 1.5        | 3.4      | 0.7     | 0.5      | 0.3      |
| 11AN0198A | Skookum North | 625025 | 6990899 | WHI11001203-200 | 1.21    | 20.52    | 11.14    | 53.8     | 195      | 1        | 10.4     | 4.3      | 105     | 1.92       | 4.2      | 1.9     | 1        | 0.7      |
| 11AN0199A | Skookum North | 625023 | 6990949 | WHI11001203-201 | 1.74    | 39.96    | 16.08    | 54.6     | 267      | 0.6      | 18.8     | 7.2      | 136     | 2.29       | 4.9      | 4.9     | 0.6      | 0.5      |
| 11AN0200A | Skookum North | 625022 | 6990999 | WHI11001203-202 | 1.69    | 25.49    | 10.47    | 44.9     | 308      | 2.1      | 11.4     | 4.1      | 97      | 1.58       | 2.9      | 2.6     | 2.1      | 1.1      |
| 11AN0202A | Skookum North | 625020 | 6991049 | WHI11001345-053 | 1.18    | 15.97    | 8.18     | 60.8     | 216      | 4.6      | 13       | 5.5      | 141     | 2.11       | 5.9      | 1.6     | 4.6      | 1.1      |
| 11AN0203A | Skookum North | 625012 | 6991094 | WHI11001345-054 | 1.63    | 16.91    | 12.71    | 30       | 126      | 1.9      | 11.2     | 3.9      | 100     | 1.42       | 2.6      | 2.1     | 1.9      | 0.8      |
| 11AN0204A | Skookum North | 625007 | 6991151 | WHI11001345-055 | 0.83    | 8.81     | 7.43     | 48.8     | 144      | 1.8      | 11.9     | 8.8      | 543     | 2.42       | 3.4      | 0.2     | 1.8      | 1.2      |
| 11AN0205A | Skookum North | 625013 | 6991199 | WHI11001345-056 | 0.57    | 7.77     | 6.44     | 100.8    | 157      | 0.6      | 10.1     | 10.7     | 1048    | 2.52       | 2.4      | 0.2     | 0.6      | 0.8      |
| 11AN0206A | Skookum North | 625011 | 6991249 | WHI11001345-057 | 0.81    | 10.71    | 7.78     | 67.7     | 143      | 0.6      | 14       | 11.2     | 1549    | 2.52       | 4.5      | 0.2     | 0.6      | 1.6      |
| 11AN0207A | Skookum North | 625011 | 6991299 | WHI11001345-058 | 1.03    | 8.85     | 9.56     | 31.7     | 57       | 1.8      | 6.8      | 2.9      | 124     | 2          | 6        | 0.3     | 1.8      | 1.7      |
| 11AN0208A | Skookum North | 625007 | 6991349 | WHI11001345-059 | 0.74    | 10.48    | 5.1      | 27.6     | 63       | 3.7      | 6.2      | 2.8      | 93      | 1.38       | 2.6      | 0.3     | 3.7      | 0.049    |
| 11CB0882A | Skookum North | 625235 | 6990508 | WHI11001203-075 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB0883A | Skookum North | 625241 | 6990559 | WHI11001203-076 | 1.2     | 20.22    | 5.36     | 29.1     | 183      | 2.9      | 12.4     | 3.8      | 178     | 1.11       | 1.7      | 1.7     | 2.9      | 1.3      |
| 11CB0884A | Skookum North | 625230 | 6990608 | WHI11001203-077 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB0885A | Skookum North | 625232 | 6990662 | WHI11001203-078 | 1.15    | 15.83    | 5.78     | 26.6     | 275      | 1.5      | 9.1      | 3.8      | 99      | 1.08       | 1.9      | 1.3     | 1.5      | 0.5      |
| 11CB0886A | Skookum North | 625231 | 6990709 | WHI11001203-079 | 1.02    | 27.64    | 9.26     | 38.8     | 302      | 3        | 14.2     | 5.2      | 122     | 1.93       | 4.6      | 2.2     | 3        | 1.6      |
| 11CB0887A | Skookum North | 625229 | 6990757 | WHI11001203-080 | 1.11    | 21.02    | 8.13     | 31.1     | 479      | 1.6      | 12.4     | 4.1      | 86      | 1.51       | 2.3      | 2.2     | 1.6      | 0.5      |
| 11CB0888A | Skookum North | 625223 | 6990809 | WHI11001203-081 | 1.66    | 14.58    | 8.72     | 32.4     | 328      | 3.2      | 11.8     | 4.8      | 92      | 1.56       | 3.3      | 1.6     | 3.2      | 0.7      |
| 11CB0889A | Skookum North | 625220 | 6990849 | WHI11001203-082 | 1.3     | 17.21    | 9.09     | 45.1     | 255      | 1.8      | 13.9     | 5.6      | 119     | 1.74       | 3.6      | 1.8     | 1.8      | 0.8      |
| 11CB0890A | Skookum North | 625220 | 6990911 | WHI11001203-083 | 1.25    | 19.38    | 7.71     | 29.8     | 432      | 1.4      | 14.1     | 4.5      | 91      | 1.59       | 2.3      | 3       | 1.4      | 0.5      |
| 11CB0891A | Skookum North | 625222 | 6990960 | WHI11001203-084 | 1.2     | 54.16    | 12.99    | 56.6     | 354      | 1.5      | 33.5     | 8.7      | 514     | 1.59       | 2.7      | 3.5     | 1.5      | 0.1      |
| 11CB0892A | Skookum North | 625230 | 6991000 | WHI11001203-085 | 1.52    | 13.02    | 4.97     | 24.9     | 141      | 0.9      | 11.7     | 4.2      | 94      | 1.17       | 2        | 2       | 0.9      | 0.4      |
| 11CB0893A | Skookum North | 625220 | 6991067 | WHI11001203-086 | 0.73    | 13.34    | 1.93     | 7.1      | 88       | 1.7      | 3.8      | 2.6      | 420     | 0.35       | 1.2      | 0.3     | 1.7      | 0.2      |
| 11CB0894A | Skookum North | 625217 | 6991106 | WHI11001203-087 | 0.59    | 12.17    | 0.92     | 5.6      | 97       | 2        | 3.5      | 2.2      | 330     | 0.31       | 1        | 0.3     | 2        | 0.1      |
| 11CB0895A | Skookum North | 625228 | 6991165 | WHI11001203-088 | 0.91    | 7.71     | 4.07     | 52.1     | 140      | 0.3      | 5.3      | 4.4      | 3461    | 0.56       | 1.2      | 0.049   | 0.3      | 0.049    |
| 11CB0896A | Skookum North | 625206 | 6991195 | WHI11001203-089 | 0.53    | 7.22     | 4.29     | 19       | 58       | 1.5      | 4.4      | 1.9      | 54      | 0.75       | 1.5      | 0.2     | 1.5      | 0.1      |
| 11CB0897A | Skookum North | 625213 | 6991260 | WHI11001203-090 | 0.81    | 12.76    | 6.16     | 11.4     | 122      | 1.8      | 4.5      | 1.5      | 36      | 0.8        | 1.5      | 0.3     | 1.8      | 0.049    |
| 11CB0898A | Skookum North | 625209 | 6991306 | WHI11001203-091 | 0.76    | 10.81    | 6.76     | 12.7     | 106      | 0.7      | 4.3      | 1.4      | 44      | 0.87       | 2.2      | 0.3     | 0.7      | 0.049    |
| 11CB0899A | Skookum North | 625208 | 6991356 | WHI11001203-092 | 0.88    | 11.17    | 6.34     | 11.6     | 111      | 4.3      | 4.5      | 1.7      | 41      | 0.87       | 2        | 0.4     | 4.3      | 0.049    |
| 11CB0900A | Skookum North | 625206 | 6991406 | WHI11001203-093 | 0.83    | 11.3     | 6.32     | 13.4     | 114      | 1.3      | 4.4      | 1.7      | 51      | 0.96       | 2.2      | 0.3     | 1.3      | 0.049    |
| 11DS0899A | Skookum North | 624945 | 6990441 | WHI11001183-082 | 1.69    | 15.83    | 7.27     | 30       | 146      | 1.2      | 8.7      | 3.5      | 103     | 1.3        | 2.6      | 0.8     | 1.2      | 0.3      |
| 11DS0899A | Skookum North | 624945 | 6990441 | WHI11001183-082 | 1.69    | 15.83    | 7.27     | 30       | 146      | 1.2      | 8.7      | 3.5      | 103     | 1.3        | 2.6      | 0.8     | 1.2      | 0.3      |
| 11DS0900A | Skookum North | 624937 | 6990495 | WHI11001183-083 | 1.47    | 9.2      | 6.11     | 21.5     | 133      | 0.3      | 8.8      | 4.3      | 105     | 1.65       | 2.3      | 1.3     | 0.3      | 0.5      |
| 11DS0900A | Skookum North | 624937 | 6990495 | WHI11001183-083 | 1.47    | 9.2      | 6.11     | 21.5     | 133      | 0.3      | 8.8      | 4.3      | 105     | 1.65       | 2.3      | 1.3     | 0.3      | 0.5      |
| 11DS0902A | Skookum North | 624936 | 6990548 | WHI11001183-085 | 1.11    | 23.47    | 8.39     | 26.2     | 256      | 1.5      | 11.1     | 3.4      | 95      | 1.57       | 3        | 2.1     | 1.5      | 0.4      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|---------|----------|----------|
| 11DS0902A | Skookum North | 624936 | 6990548 | WHI11001183-085 | 1.11    | 23.47    | 8.39     | 26.2     | 256      | 1.5      | 11.1     | 3.4      | 95       | 1.57       | 3        | 2.1     | 1.5      | 0.4      |
| 11DS0903A | Skookum North | 624937 | 6990601 | WHI11001183-086 | 1.05    | 17.42    | 7.13     | 37.3     | 392      | 3.6      | 12.1     | 4.8      | 110      | 2.04       | 4.3      | 1.8     | 3.6      | 1.4      |
| 11DS0903A | Skookum North | 624937 | 6990601 | WHI11001183-086 | 1.05    | 17.42    | 7.13     | 37.3     | 392      | 3.6      | 12.1     | 4.8      | 110      | 2.04       | 4.3      | 1.8     | 3.6      | 1.4      |
| 11DS0904A | Skookum North | 624932 | 6990641 | WHI11001183-087 | 1.73    | 23.83    | 9.87     | 47.2     | 381      | 2.6      | 16.6     | 7        | 113      | 2.17       | 5.5      | 1.9     | 2.6      | 1.1      |
| 11DS0904A | Skookum North | 624932 | 6990641 | WHI11001183-087 | 1.73    | 23.83    | 9.87     | 47.2     | 381      | 2.6      | 16.6     | 7        | 113      | 2.17       | 5.5      | 1.9     | 2.6      | 1.1      |
| 11DS0905A | Skookum North | 624932 | 6990697 | WHI11001183-088 | 1.61    | 22.46    | 6.87     | 33       | 144      | 0.099    | 12.1     | 5.1      | 149      | 1.15       | 1.9      | 1.4     | 0.099    | 0.2      |
| 11DS0905A | Skookum North | 624932 | 6990697 | WHI11001183-088 | 1.61    | 22.46    | 6.87     | 33       | 144      | 0.099    | 12.1     | 5.1      | 149      | 1.15       | 1.9      | 1.4     | 0.099    | 0.2      |
| 11DS0906A | Skookum North | 624932 | 6990744 | WHI11001183-089 | 1.07    | 16.87    | 9.24     | 34.5     | 368      | 0.8      | 13.8     | 4.6      | 88       | 1.62       | 3.7      | 1.8     | 0.8      | 0.6      |
| 11DS0906A | Skookum North | 624932 | 6990744 | WHI11001183-089 | 1.07    | 16.87    | 9.24     | 34.5     | 368      | 0.8      | 13.8     | 4.6      | 88       | 1.62       | 3.7      | 1.8     | 0.8      | 0.6      |
| 11DS0907A | Skookum North | 624933 | 6990793 | WHI11001183-090 | 1.45    | 60.58    | 12.71    | 41.4     | 636      | 0.4      | 26.6     | 8.2      | 125      | 1.78       | 2.8      | 3.1     | 0.4      | 0.3      |
| 11DS0907A | Skookum North | 624933 | 6990793 | WHI11001183-090 | 1.45    | 60.58    | 12.71    | 41.4     | 636      | 0.4      | 26.6     | 8.2      | 125      | 1.78       | 2.8      | 3.1     | 0.4      | 0.3      |
| 11DS0908A | Skookum North | 624924 | 6990850 | WHI11001183-091 | 1.04    | 24.44    | 9.02     | 33.8     | 227      | 1.6      | 12.8     | 5.1      | 121      | 1.51       | 2.2      | 2.3     | 1.6      | 0.4      |
| 11DS0908A | Skookum North | 624924 | 6990850 | WHI11001183-091 | 1.04    | 24.44    | 9.02     | 33.8     | 227      | 1.6      | 12.8     | 5.1      | 121      | 1.51       | 2.2      | 2.3     | 1.6      | 0.4      |
| 11DS0909A | Skookum North | 624928 | 6990894 | WHI11001183-092 | 0.58    | 24.52    | 7.28     | 42.7     | 204      | 1.2      | 14.7     | 8.5      | 254      | 1.39       | 1.8      | 4.9     | 1.2      | 0.4      |
| 11DS0909A | Skookum North | 624928 | 6990894 | WHI11001183-092 | 0.58    | 24.52    | 7.28     | 42.7     | 204      | 1.2      | 14.7     | 8.5      | 254      | 1.39       | 1.8      | 4.9     | 1.2      | 0.4      |
| 11DS0910A | Skookum North | 624919 | 6990956 | WHI11001183-093 | 1.64    | 30.78    | 15.65    | 63.4     | 221      | 2.2      | 15.3     | 18.5     | 1026     | 2.22       | 4.1      | 3.9     | 2.2      | 1.7      |
| 11DS0910A | Skookum North | 624919 | 6990956 | WHI11001183-093 | 1.64    | 30.78    | 15.65    | 63.4     | 221      | 2.2      | 15.3     | 18.5     | 1026     | 2.22       | 4.1      | 3.9     | 2.2      | 1.7      |
| 11DS0911A | Skookum North | 624921 | 6990996 | WHI11001183-094 | 1.42    | 23.68    | 8.97     | 44.2     | 314      | 3        | 13.9     | 4.3      | 115      | 1.47       | 2.7      | 2.5     | 3        | 0.5      |
| 11DS0911A | Skookum North | 624921 | 6990996 | WHI11001183-094 | 1.42    | 23.68    | 8.97     | 44.2     | 314      | 3        | 13.9     | 4.3      | 115      | 1.47       | 2.7      | 2.5     | 3        | 0.5      |
| 11DS0912A | Skookum North | 624922 | 6991046 | WHI11001183-095 | 1.58    | 19.15    | 9.02     | 47.8     | 187      | 1        | 8.7      | 4.5      | 129      | 1.49       | 2.4      | 1.2     | 1        | 0.3      |
| 11DS0912A | Skookum North | 624922 | 6991046 | WHI11001183-095 | 1.58    | 19.15    | 9.02     | 47.8     | 187      | 1        | 8.7      | 4.5      | 129      | 1.49       | 2.4      | 1.2     | 1        | 0.3      |
| 11DS0913A | Skookum North | 624917 | 6991097 | WHI11001183-096 | 1.21    | 21.74    | 8.7      | 53.2     | 268      | 2.1      | 11       | 7.6      | 225      | 2.17       | 3.9      | 1.7     | 2.1      | 0.5      |
| 11DS0913A | Skookum North | 624917 | 6991097 | WHI11001183-096 | 1.21    | 21.74    | 8.7      | 53.2     | 268      | 2.1      | 11       | 7.6      | 225      | 2.17       | 3.9      | 1.7     | 2.1      | 0.5      |
| 11DS0914A | Skookum North | 624916 | 6991142 | WHI11001183-097 | 1.28    | 12.77    | 4.71     | 30.8     | 160      | 1.4      | 9.1      | 18.9     | 619      | 1.4        | 2.2      | 1.5     | 1.4      | 0.3      |
| 11DS0914A | Skookum North | 624916 | 6991142 | WHI11001183-097 | 1.28    | 12.77    | 4.71     | 30.8     | 160      | 1.4      | 9.1      | 18.9     | 619      | 1.4        | 2.2      | 1.5     | 1.4      | 0.3      |
| 11DS0915A | Skookum North | 624914 | 6991196 | WHI11001345-102 | 0.7     | 7.61     | 3.93     | 100.2    | 191      | 1.1      | 5.2      | 4.3      | 959      | 0.76       | 0.9      | 0.049   | 1.1      | 0.2      |
| 11DS0916A | Skookum North | 624911 | 6991245 | WHI11001345-103 | 0.55    | 8.61     | 5.15     | 105.7    | 141      | 0.099    | 8.7      | 6.6      | 969      | 1.42       | 1.5      | 0.2     | 0.099    | 0.3      |
| 11DS0917A | Skookum North | 624908 | 6991298 | WHI11001345-104 | 0.72    | 9.21     | 5.89     | 113.1    | 105      | 0.099    | 11.6     | 9        | 2409     | 1.85       | 2.1      | 0.2     | 0.099    | 0.4      |
| 11DS0918A | Skookum North | 624907 | 6991344 | WHI11001345-105 | 0.67    | 23.12    | 7.04     | 17.8     | 252      | 1.9      | 10.8     | 2.7      | 71       | 0.96       | 1.7      | 0.3     | 1.9      | 0.049    |
| 11DS0919A | Skookum North | 624910 | 6991393 | WHI11001345-106 | 0.69    | 31.04    | 11.08    | 24       | 153      | 1.9      | 11.4     | 3.6      | 74       | 1.63       | 2.3      | 1.3     | 1.9      | 0.1      |
| 11TB0935A | Skookum North | 625131 | 6990450 | WHI11001183-183 | 1.14    | 10.14    | 7.93     | 34.2     | 193      | 3.4      | 8.6      | 3.2      | 88       | 1.57       | 3.5      | 1       | 3.4      | 0.8      |
| 11TB0935A | Skookum North | 625131 | 6990450 | WHI11001183-183 | 1.14    | 10.14    | 7.93     | 34.2     | 193      | 3.4      | 8.6      | 3.2      | 88       | 1.57       | 3.5      | 1       | 3.4      | 0.8      |
| 11TB0936A | Skookum North | 625146 | 6990400 | WHI11001183-184 | 1.36    | 23.95    | 8.74     | 38.2     | 314      | 1.3      | 14.8     | 6.8      | 217      | 2.03       | 3.8      | 2       | 1.3      | 1        |
| 11TB0936A | Skookum North | 625146 | 6990400 | WHI11001183-184 | 1.36    | 23.95    | 8.74     | 38.2     | 314      | 1.3      | 14.8     | 6.8      | 217      | 2.03       | 3.8      | 2       | 1.3      | 1        |
| 11TB0939A | Skookum North | 625136 | 6990550 | WHI11001183-186 | 1.42    | 17.48    | 7.27     | 23.2     | 131      | 4.2      | 10.9     | 3.4      | 114      | 1.2        | 3        | 1.3     | 4.2      | 0.7      |
| 11TB0939A | Skookum North | 625136 | 6990550 | WHI11001183-186 | 1.42    | 17.48    | 7.27     | 23.2     | 131      | 4.2      | 10.9     | 3.4      | 114      | 1.2        | 3        | 1.3     | 4.2      | 0.7      |
| 11TB0940A | Skookum North | 625143 | 6990612 | WHI11001183-187 | 1.13    | 19.05    | 8.44     | 33.2     | 187      | 4.8      | 12.6     | 6        | 138      | 1.62       | 3.6      | 1.6     | 4.8      | 0.9      |
| 11TB0940A | Skookum North | 625143 | 6990612 | WHI11001183-187 | 1.13    | 19.05    | 8.44     | 33.2     | 187      | 4.8      | 12.6     | 6        | 138      | 1.62       | 3.6      | 1.6     | 4.8      | 0.9      |
| 11TB0942A | Skookum North | 625134 | 6990655 | WHI11001183-189 | 1.16    | 47.43    | 9.96     | 26.2     | 506      | 2.4      | 19.8     | 4.8      | 105      | 1.33       | 2.3      | 3.3     | 2.4      | 0.3      |
| 11TB0942A | Skookum North | 625134 | 6990655 | WHI11001183-189 | 1.16    | 47.43    | 9.96     | 26.2     | 506      | 2.4      | 19.8     | 4.8      | 105      | 1.33       | 2.3      | 3.3     | 2.4      | 0.3      |
| 11TB0943A | Skookum North | 625136 | 6990701 | WHI11001183-190 | 1.01    | 25.88    | 8.96     | 35.4     | 627      | 2.7      | 11.1     | 3.8      | 213      | 1.05       | 2.5      | 0.7     | 2.7      | 0.049    |
| 11TB0943A | Skookum North | 625136 | 6990701 | WHI11001183-190 | 1.01    | 25.88    | 8.96     | 35.4     | 627      | 2.7      | 11.1     | 3.8      | 213      | 1.05       | 2.5      | 0.7     | 2.7      | 0.049    |
| 11TB0944A | Skookum North | 625138 | 6990751 | WHI11001183-191 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11TB0944A | Skookum North | 625138 | 6990751 | WHI11001183-191 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100       | -100     | -100    | -100     | -100     |
| 11TB0945A | Skookum North | 625130 | 6990809 | WHI11001183-192 | 0.99    | 23.39    | 8.85     | 21.5     | 166      | 0.099    | 7.8      | 2.2      | 38       | 0.97       | 1.8      | 2.1     | 0.099    | 0.2      |
| 11TB0945A | Skookum North | 625130 | 6990809 | WHI11001183-192 | 0.99    | 23.39    | 8.85     | 21.5     | 166      | 0.099    | 7.8      | 2.2      | 38       | 0.97       | 1.8      | 2.1     | 0.099    | 0.2      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11TB0946A | Skookum North | 625131 | 6990854 | WHI11001183-193 | 2.19     | 21.87    | 7.51     | 27.9     | 931      | 2.1       | 10.2      | 3.6      | 83        | 0.97       | 1.7       | 1.9      | 2.1       | 0.1       |
| 11TB0946A | Skookum North | 625131 | 6990854 | WHI11001183-193 | 2.19     | 21.87    | 7.51     | 27.9     | 931      | 2.1       | 10.2      | 3.6      | 83        | 0.97       | 1.7       | 1.9      | 2.1       | 0.1       |
| 11TB0947A | Skookum North | 625129 | 6990901 | WHI11001345-204 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB0949A | Skookum North | 625127 | 6991000 | WHI11001345-205 | 2.77     | 26.14    | 7.2      | 31.7     | 297      | 1.7       | 9.6       | 3.4      | 93        | 1.27       | 3.6       | 2.8      | 1.7       | 0.6       |
| 11TB0950A | Skookum North | 625121 | 6991050 | WHI11001345-206 | 1.05     | 23.67    | 6.62     | 35.4     | 246      | 1.5       | 9.9       | 4.1      | 94        | 1.44       | 3.3       | 2.3      | 1.5       | 0.5       |
| 11TB0951A | Skookum North | 625118 | 6991100 | WHI11001345-207 | 0.71     | 10.26    | 6.16     | 49.3     | 160      | 1.4       | 10.8      | 7.4      | 1041      | 1.98       | 3.3       | 0.2      | 1.4       | 1         |
| 11TB0952A | Skookum North | 625112 | 6991150 | WHI11001345-209 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB0952A | Skookum North | 625112 | 6991150 | WHI11001345-208 | 0.7      | 7.91     | 5.7      | 103.7    | 83       | 2.6       | 9.6       | 9        | 1154      | 2.4        | 2.8       | 0.2      | 2.6       | 0.5       |
| 11TB0953A | Skookum North | 625109 | 6991200 | WHI11001345-210 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB0954A | Skookum North | 625105 | 6991250 | WHI11001345-211 | 0.79     | 7.79     | 10.08    | 55.4     | 160      | 1.6       | 7.6       | 6.6      | 450       | 1.69       | 3.4       | 0.4      | 1.6       | 1.8       |
| 11TB0955A | Skookum North | 625115 | 6991302 | WHI11001345-212 | 1.72     | 15.07    | 11.52    | 42       | 196      | 10.1      | 6.4       | 2.9      | 133       | 1.36       | 2.9       | 0.3      | 10.1      | 0.7       |
| 11AN0209A | Skookum North | 625006 | 6991399 | WHI11001345-060 | 0.61     | 10.34    | 7.71     | 46.6     | 108      | 2.3       | 8.4       | 5.7      | 215       | 2.6        | 4.9       | 0.4      | 2.3       | 0.4       |
| 11AN0210A | Skookum North | 625004 | 6991449 | WHI11001345-061 | 0.71     | 11.92    | 7.7      | 23.5     | 199      | 1.9       | 7.3       | 4.4      | 88        | 1.36       | 2.2       | 0.5      | 1.9       | 0.049     |
| 11AN0211A | Skookum North | 625002 | 6991499 | WHI11001345-062 | 0.8      | 10.9     | 5.16     | 40.5     | 210      | 1.5       | 10        | 4.2      | 162       | 1.64       | 3.4       | 0.5      | 1.5       | 0.3       |
| 11AN0212A | Skookum North | 625000 | 6991549 | WHI11001345-063 | 0.64     | 17.66    | 6.01     | 42       | 318      | 1.1       | 10.1      | 4.4      | 133       | 1.86       | 2.7       | 1        | 1.1       | 0.3       |
| 11AN0213A | Skookum North | 624996 | 6991649 | WHI11001345-064 | 0.74     | 14.99    | 4.76     | 13.2     | 169      | 2.6       | 10.3      | 12.4     | 4007      | 0.98       | 1.5       | 0.9      | 2.6       | 0.1       |
| 11AN0214A | Skookum North | 624998 | 6991599 | WHI11001345-065 | 0.44     | 9.65     | 4.44     | 63.7     | 56       | 1.5       | 13.5      | 9.6      | 596       | 2.22       | 3.4       | 0.5      | 1.5       | 1.1       |
| 11AN0215A | Skookum North | 624995 | 6991704 | WHI11001345-066 | 1.18     | 8.02     | 10.98    | 21.5     | 35       | 1.2       | 7.7       | 7        | 1927      | 0.6        | 1         | 0.1      | 1.2       | 0.049     |
| 11AN0216A | Skookum North | 624990 | 6991760 | WHI11001345-067 | 1.02     | 13.95    | 6.91     | 44.3     | 227      | 2.6       | 15.3      | 6.9      | 234       | 2.11       | 5.2       | 0.5      | 2.6       | 1.6       |
| 11AN0217A | Skookum North | 624986 | 6991806 | WHI11001345-068 | 0.7      | 18.46    | 8.18     | 56.8     | 78       | 4.2       | 16.9      | 9.3      | 331       | 2.38       | 5.7       | 0.5      | 4.2       | 1.6       |
| 11AN0218A | Skookum North | 624988 | 6991849 | WHI11001345-069 | 0.7      | 24.74    | 7.67     | 46.2     | 125      | 3.7       | 20.1      | 9.1      | 523       | 2          | 5.2       | 0.6      | 3.7       | 0.9       |
| 11AN0219A | Skookum North | 624987 | 6991906 | WHI11001345-070 | 0.82     | 20.1     | 5.26     | 34.5     | 189      | 2         | 13.9      | 6.5      | 477       | 1.28       | 3         | 0.6      | 2         | 0.2       |
| 11AN0220A | Skookum North | 624979 | 6991951 | WHI11001345-071 | 0.81     | 29.26    | 10.37    | 56.2     | 114      | 3.1       | 22.3      | 10.4     | 420       | 2.27       | 4.8       | 0.8      | 3.1       | 0.3       |
| 11AN0222A | Skookum North | 624979 | 6992017 | WHI11001345-073 | 0.74     | 21.1     | 9.34     | 45.5     | 269      | 4.1       | 15.2      | 10.7     | 253       | 2.11       | 3.5       | 1.2      | 4.1       | 1.4       |
| 11AN0223A | Skookum North | 624979 | 6992056 | WHI11001345-074 | 0.74     | 12.49    | 5.68     | 31.5     | 223      | 6.2       | 8.5       | 4.9      | 110       | 1.33       | 1.4       | 0.8      | 6.2       | 0.3       |
| 11AN0224A | Skookum North | 624979 | 6992104 | WHI11001345-075 | 0.68     | 13.56    | 7.32     | 39.5     | 146      | 4         | 13.3      | 6.9      | 166       | 1.69       | 2.8       | 0.6      | 4         | 0.3       |
| 11AN0225A | Skookum North | 624977 | 6992148 | WHI11001345-076 | 0.9      | 16.33    | 8.13     | 33.7     | 321      | 6.6       | 15        | 5.8      | 141       | 1.8        | 3.3       | 1.3      | 6.6       | 0.8       |
| 11AN0226A | Skookum North | 624979 | 6992198 | WHI11001345-077 | 1.11     | 20.39    | 10.58    | 29.3     | 130      | 4.8       | 17.7      | 7        | 347       | 1.15       | 1.8       | 0.9      | 4.8       | 0.1       |
| 11AN0227A | Skookum North | 624979 | 6992296 | WHI11001345-078 | 0.83     | 10.22    | 5.23     | 55.8     | 73       | 3.4       | 12.5      | 13.9     | 1418      | 2.53       | 5.4       | 0.5      | 3.4       | 0.7       |
| 11AN0228A | Skookum North | 624979 | 6992298 | WHI11001345-079 | 0.22     | 11.57    | 5.45     | 60.9     | 79       | 3.6       | 13        | 8.3      | 356       | 2.21       | 3.2       | 0.8      | 3.6       | 1.8       |
| 11AN0229A | Skookum North | 624979 | 6989432 | WHI11001345-080 | 1.2      | 28.74    | 23.82    | 47.8     | 636      | 3.2       | 14        | 7        | 203       | 2.97       | 4.1       | 0.9      | 3.2       | 1.7       |
| 11CB0902A | Skookum North | 625203 | 6991461 | WHI11001203-095 | 0.55     | 20.6     | 3.78     | 19.1     | 284      | 1.3       | 6         | 4.7      | 68        | 0.91       | 1.1       | 1.4      | 1.3       | 0.049     |
| 11CB0903A | Skookum North | 625202 | 6991506 | WHI11001203-096 | 0.67     | 25.02    | 4.44     | 23.9     | 287      | 2.5       | 6.3       | 5.5      | 89        | 1.13       | 1.3       | 1.7      | 2.5       | 0.049     |
| 11CB0904A | Skookum North | 625198 | 6991550 | WHI11001203-097 | 1.48     | 14.74    | 5.29     | 45.7     | 153      | 4.9       | 8.3       | 16.8     | 1101      | 2.81       | 6.1       | 0.9      | 4.9       | 0.5       |
| 11CB0905A | Skookum North | 625200 | 6991603 | WHI11001203-098 | 0.74     | 14.46    | 5.13     | 44.9     | 147      | 1.4       | 10.5      | 12.1     | 700       | 1.82       | 3         | 0.7      | 1.4       | 0.2       |
| 11CB0906A | Skookum North | 625196 | 6991656 | WHI11001203-099 | 0.58     | 10.97    | 6.4      | 54       | 175      | 5.8       | 12.7      | 8.1      | 326       | 1.93       | 3.1       | 0.7      | 5.8       | 0.8       |
| 11CB0907A | Skookum North | 625199 | 6991721 | WHI11001203-100 | 0.68     | 7.38     | 6.05     | 79.7     | 72       | 0.9       | 10.4      | 8.8      | 1136      | 1.85       | 2.9       | 0.2      | 0.9       | 0.9       |
| 11CB0908A | Skookum North | 625192 | 6991756 | WHI11001203-101 | 0.7      | 6.63     | 4.97     | 72.3     | 56       | 2.5       | 8.9       | 6.8      | 1246      | 1.54       | 2.3       | 0.2      | 2.5       | 0.6       |
| 11CB0909A | Skookum North | 625188 | 6991812 | WHI11001203-102 | 1.13     | 9.54     | 6.69     | 52.1     | 897      | 0.9       | 9.6       | 12       | 2356      | 1.06       | 2.2       | 0.3      | 0.9       | 0.049     |
| 11CB0910A | Skookum North | 625186 | 6991872 | WHI11001345-246 | 0.72     | 15.89    | 5.63     | 132.3    | 777      | 0.6       | 10.8      | 10.3     | 3819      | 1.16       | 1.2       | 0.3      | 0.6       | 0.049     |
| 11CB0911A | Skookum North | 625187 | 6991906 | WHI11001345-247 | 0.75     | 12.46    | 4.69     | 113.1    | 1636     | 0.099     | 9         | 9.6      | 4063      | 1.04       | 1.1       | 0.2      | 0.099     | 0.049     |
| 11CB0912A | Skookum North | 625192 | 6991968 | WHI11001345-001 | 0.85     | 13.51    | 6.19     | 30       | 962      | 4.6       | 9.8       | 3.3      | 116       | 1.12       | 2.4       | 0.2      | 4.6       | 0.049     |
| 11CB0913A | Skookum North | 625182 | 6992006 | WHI11001345-002 | 0.65     | 16.17    | 7.22     | 29.9     | 1183     | 5.4       | 8         | 2.9      | 144       | 0.93       | 1.7       | 0.3      | 5.4       | 0.049     |
| 11CB0914A | Skookum North | 625186 | 6992058 | WHI11001345-003 | 1.31     | 16.17    | 5.35     | 21.8     | 1099     | 3.2       | 8.4       | 3        | 99        | 0.85       | 1.3       | 0.5      | 3.2       | 0.049     |
| 11CB0915A | Skookum North | 625185 | 6992117 | WHI11001345-004 | 0.75     | 13.29    | 7.15     | 21.3     | 361      | 3.2       | 8.6       | 4.2      | 324       | 0.77       | 1         | 0.2      | 3.2       | 0.049     |
| 11CB0916A | Skookum North | 625176 | 6992162 | WHI11001345-005 | 0.89     | 11.62    | 5.28     | 87.5     | 574      | 6.1       | 9         | 9.6      | 4289      | 0.88       | 0.7       | 0.1      | 6.1       | 0.049     |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11CB0917A | Skookum North | 625174 | 6992213 | WHI11001345-006 | 0.83     | 21.87    | 6.9      | 26.6     | 600      | 2.4       | 13.3      | 4.5      | 151       | 1.69       | 2.4       | 0.9      | 2.4       | 0.5       |
| 11CB0918A | Skookum North | 625174 | 6992258 | WHI11001345-007 | 0.79     | 35.92    | 9.23     | 40.4     | 208      | 3.1       | 17        | 8.4      | 203       | 2.05       | 3.3       | 1.1      | 3.1       | 0.5       |
| 11CB0919A | Skookum North | 625169 | 6992312 | WHI11001345-008 | 0.86     | 28.77    | 6.22     | 29.4     | 708      | 2.4       | 16        | 7        | 276       | 1.31       | 1.9       | 0.8      | 2.4       | 0.049     |
| 11DS0920A | Skookum North | 624902 | 6991448 | WHI11001345-107 | 0.63     | 15.44    | 6.53     | 19       | 252      | 0.9       | 7.3       | 3.1      | 33        | 0.86       | 0.6       | 0.8      | 0.9       | 0.049     |
| 11DS0922A | Skookum North | 624903 | 6991497 | WHI11001345-109 | 0.56     | 13.67    | 4.55     | 30.2     | 157      | 0.3       | 8.7       | 3.8      | 116       | 1.38       | 1.1       | 0.8      | 0.3       | 0.049     |
| 11DS0923A | Skookum North | 624900 | 6991545 | WHI11001345-110 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS0924A | Skookum North | 624898 | 6991596 | WHI11001345-111 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS0925A | Skookum North | 624898 | 6991642 | WHI11001345-112 | 1.94     | 21.66    | 4.62     | 64.1     | 115      | 3         | 25.4      | 14.2     | 7324      | 1.37       | 2.5       | 0.6      | 3         | 0.3       |
| 11DS0926A | Skookum North | 624902 | 6991703 | WHI11001345-113 | 2.02     | 31.37    | 5.27     | 57.1     | 203      | 1.3       | 18.1      | 17.7     | 2966      | 2          | 4.6       | 1.2      | 1.3       | 0.2       |
| 11DS0927A | Skookum North | 624908 | 6991744 | WHI11001345-114 | 0.93     | 41.62    | 6.14     | 45.1     | 51       | 1.4       | 20.2      | 5.5      | 147       | 1.52       | 3.1       | 0.8      | 1.4       | 0.3       |
| 11DS0928A | Skookum North | 624916 | 6991795 | WHI11001345-115 | 1.35     | 28       | 3.55     | 26.3     | 217      | 3.8       | 16.8      | 24.1     | 2710      | 2.83       | 8.2       | 1.2      | 3.8       | 0.1       |
| 11DS0929A | Skookum North | 624889 | 6991846 | WHI11001345-116 | 0.98     | 25.01    | 4.75     | 28.8     | 69       | 1.6       | 14.9      | 5.6      | 181       | 1.32       | 2.7       | 0.9      | 1.6       | 0.1       |
| 11DS0930A | Skookum North | 624886 | 6991899 | WHI11001345-117 | 0.81     | 16.53    | 6.07     | 43.7     | 437      | 1.1       | 15.1      | 6.2      | 1208      | 1.39       | 2.1       | 0.2      | 1.1       | 0.1       |
| 11DS0931A | Skookum North | 624887 | 6991945 | WHI11001345-118 | 1.17     | 13.42    | 5.77     | 54.2     | 320      | 1.1       | 11.8      | 5.7      | 4774      | 0.88       | 1.6       | 0.2      | 1.1       | 0.049     |
| 11DS0932A | Skookum North | 624881 | 6991996 | WHI11001345-119 | 0.7      | 12.61    | 6.81     | 28.5     | 987      | 3.6       | 10.5      | 8.6      | 2232      | 1.28       | 1.9       | 0.5      | 3.6       | 0.2       |
| 11DS0933A | Skookum North | 624877 | 6992043 | WHI11001345-120 | 1.09     | 10.48    | 5.91     | 92.6     | 217      | 1.3       | 9.2       | 9.4      | 3826      | 1.14       | 1.5       | 0.1      | 1.3       | 0.049     |
| 11DS0934A | Skookum North | 624878 | 6992100 | WHI11001345-121 | 0.77     | 11       | 5.03     | 72.8     | 271      | 4         | 9.4       | 9.1      | 2176      | 1.22       | 1.6       | 0.1      | 4         | 0.1       |
| 11DS0935A | Skookum North | 624876 | 6992146 | WHI11001345-122 | 0.92     | 11.84    | 6.54     | 58.1     | 159      | 0.8       | 12.3      | 11.9     | 2676      | 1.63       | 2.1       | 0.2      | 0.8       | 0.3       |
| 11DS0936A | Skookum North | 624879 | 6992196 | WHI11001345-123 | 0.78     | 8.87     | 2.68     | 47.1     | 336      | 0.3       | 6.2       | 2.9      | 1152      | 0.55       | 0.5       | 0.049    | 0.3       | 0.049     |
| 11DS0937A | Skookum North | 624877 | 6992247 | WHI11001345-124 | 1.14     | 17.51    | 5.02     | 46.9     | 241      | 0.8       | 17.3      | 6.6      | 2980      | 1.1        | 2.4       | 0.3      | 0.8       | 0.1       |
| 11DS0938A | Skookum North | 624885 | 6992283 | WHI11001345-125 | 0.56     | 14.01    | 4.22     | 37.9     | 285      | 1         | 11.5      | 6.1      | 852       | 1.5        | 2.7       | 0.4      | 1         | 0.5       |
| 11TB0956A | Skookum North | 625112 | 6991353 | WHI11001345-213 | 0.78     | 8.2      | 12.62    | 21.7     | 130      | 0.099     | 4.9       | 2.7      | 113       | 0.98       | 1.7       | 0.2      | 0.099     | 0.049     |
| 11TB0957A | Skookum North | 625103 | 6991401 | WHI11001345-214 | 0.69     | 13.1     | 4.91     | 32.3     | 221      | 1         | 7.6       | 4.1      | 155       | 1.47       | 2         | 0.3      | 1         | 0.049     |
| 11TB0958A | Skookum North | 625105 | 6991458 | WHI11001345-215 | 0.52     | 28.12    | 6.46     | 20.8     | 479      | 1         | 10.7      | 2.7      | 63        | 1.25       | 2         | 1        | 1         | 0.049     |
| 11TB0959A | Skookum North | 625099 | 6991500 | WHI11001345-216 | 0.66     | 7.94     | 4.43     | 36.5     | 240      | 0.4       | 6.9       | 4.4      | 183       | 1.6        | 3.4       | 0.4      | 0.4       | 0.2       |
| 11TB0960A | Skookum North | 625102 | 6991557 | WHI11001345-217 | 0.62     | 9.68     | 4.08     | 40.8     | 127      | 0.7       | 7.4       | 5.8      | 368       | 1.53       | 2.4       | 0.5      | 0.7       | 0.2       |
| 11TB0962A | Skookum North | 625095 | 6991602 | WHI11001345-219 | 1.12     | 14.07    | 3.56     | 26.4     | 112      | 1.1       | 8.4       | 15.3     | 2292      | 0.85       | 1.4       | 0.5      | 1.1       | 0.049     |
| 11TB0963A | Skookum North | 625098 | 6991652 | WHI11001345-220 | 1        | 12.53    | 5.21     | 54.2     | 81       | 2.3       | 12.3      | 15.9     | 1293      | 2.88       | 8.3       | 1.2      | 2.3       | 2.3       |
| 11TB0964A | Skookum North | 625088 | 6991698 | WHI11001345-221 | 0.69     | 7.52     | 4.69     | 59.4     | 66       | 0.8       | 7.1       | 8.4      | 848       | 1.71       | 1.7       | 0.1      | 0.8       | 0.3       |
| 11TB0965A | Skookum North | 625090 | 6991747 | WHI11001345-222 | 0.82     | 7.77     | 6.46     | 34.2     | 219      | 0.6       | 10.2      | 6.2      | 299       | 1.99       | 2.7       | 0.2      | 0.6       | 0.7       |
| 11TB0966A | Skookum North | 625101 | 6991809 | WHI11001345-223 | 0.79     | 13.42    | 8.95     | 64.1     | 185      | 2.2       | 17.6      | 10.3     | 1711      | 2.18       | 4.7       | 0.3      | 2.2       | 0.9       |
| 11TB0967A | Skookum North | 625092 | 6991857 | WHI11001345-224 | 0.88     | 10.37    | 7.33     | 46.3     | 266      | 0.099     | 9.7       | 6.9      | 294       | 2.29       | 3.8       | 0.3      | 0.099     | 0.5       |
| 11TB0968A | Skookum North | 625088 | 6991902 | WHI11001345-225 | 0.71     | 12.65    | 6.4      | 53.2     | 104      | 0.5       | 14.4      | 8.2      | 993       | 2.15       | 4         | 0.3      | 0.5       | 1.1       |
| 11TB0969A | Skookum North | 625082 | 6991947 | WHI11001345-226 | 1.16     | 18.25    | 7.87     | 39       | 894      | 0.9       | 12.5      | 4.5      | 540       | 1.11       | 2         | 0.6      | 0.9       | 0.049     |
| 11TB0970A | Skookum North | 625084 | 6992002 | WHI11001345-227 | 0.5      | 18.58    | 6.96     | 53.9     | 190      | 4.5       | 15.2      | 9.4      | 611       | 2.14       | 4.2       | 0.7      | 4.5       | 1.4       |
| 11TB0971A | Skookum North | 625086 | 6992049 | WHI11001345-228 | 0.67     | 10.27    | 4.99     | 21       | 359      | 1.4       | 5.6       | 2.7      | 78        | 1.07       | 1.9       | 0.3      | 1.4       | 0.2       |
| 11TB0973A | Skookum North | 625082 | 6992150 | WHI11001345-230 | 0.78     | 11.82    | 6.87     | 46.7     | 390      | 0.3       | 12        | 6.6      | 282       | 2.11       | 2.6       | 0.3      | 0.3       | 0.1       |
| 11TB0974A | Skookum North | 625074 | 6992206 | WHI11001345-231 | 0.92     | 8.39     | 6.55     | 33.6     | 193      | 0.8       | 9.5       | 9.3      | 1189      | 1.74       | 2.9       | 0.3      | 0.8       | 0.4       |
| 11TB0975A | Skookum North | 625073 | 6992252 | WHI11001345-232 | 1        | 19.48    | 10.68    | 38.2     | 255      | 1         | 16.5      | 9.9      | 399       | 1.94       | 2.5       | 0.8      | 1         | 0.4       |
| 11TB0976A | Skookum North | 625068 | 6992302 | WHI11001345-233 | 0.62     | 14.07    | 4.5      | 42.4     | 143      | 2.2       | 8.8       | 5        | 399       | 1.18       | 2.2       | 0.6      | 2.2       | 0.4       |
| 11AN0230A | Skookum North | 624379 | 6989483 | WHI11001345-081 | 1.26     | 21.29    | 12.86    | 44       | 444      | 6.2       | 17.2      | 9.6      | 663       | 1.46       | 2.4       | 0.7      | 6.2       | 0.4       |
| 11AN0231A | Skookum North | 624379 | 6989533 | WHI11001345-082 | 1.99     | 19.77    | 14.26    | 90.6     | 295      | 9.9       | 13.4      | 14.2     | 943       | 2.97       | 3.2       | 0.7      | 9.9       | 1.7       |
| 11AN0232A | Skookum North | 624379 | 6989583 | WHI11001345-083 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11AN0233A | Skookum North | 624379 | 6989633 | WHI11001345-084 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11AN0234A | Skookum North | 624379 | 6989683 | WHI11001345-085 | 2.11     | 24.01    | 5.49     | 26       | 377      | 1.8       | 9.2       | 1.6      | 89        | 0.47       | 0.3       | 0.3      | 1.8       | 0.2       |
| 11AN0235A | Skookum North | 624379 | 6989732 | WHI11001345-086 | 2.09     | 41.9     | 14.27    | 49.3     | 508      | 4.9       | 11.9      | 3.4      | 139       | 1.16       | 1.3       | 0.8      | 4.9       | 0.4       |



[illegible]

| Sample No | Area          | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|
| 11DS0943A | Skookum North | 624775 | 6989594 | WHI11001345-130 | 1.45     | 27.96    | 8.64     | 80.6     | 366      | 10.6     | 10       | 5.5      | 810      | 1.16        | 1.2      | 0.9     | 10.6     | 1.2      |
| 11DS0944A | Skookum North | 624774 | 6989642 | WHI11001345-131 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS0945A | Skookum North | 624772 | 6989692 | WHI11001345-132 | 1.09     | 15.7     | 6.29     | 51.5     | 208      | 9.4      | 7.5      | 4.9      | 302      | 1.14        | 1.7      | 0.8     | 9.4      | 1.9      |
| 11DS0946A | Skookum North | 624770 | 6989743 | WHI11001345-133 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS0947A | Skookum North | 624769 | 6989794 | WHI11001345-134 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS0948A | Skookum North | 624768 | 6989846 | WHI11001345-135 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS0949A | Skookum North | 624767 | 6989892 | WHI11001345-136 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS0950A | Skookum North | 624765 | 6989947 | WHI11001345-137 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS0951A | Skookum North | 624765 | 6989994 | WHI11001345-138 | 2.27     | 43.82    | 13.88    | 40       | 386      | 1.4      | 18.9     | 6.3      | 133      | 1.91        | 3.6      | 2       | 1.4      | 0.5      |
| 11DS0953A | Skookum North | 624756 | 6990143 | WHI11001345-140 | 1.27     | 23.24    | 14       | 123.3    | 948      | 0.5      | 13.1     | 2.9      | 197      | 0.87        | 1.6      | 0.4     | 0.5      | 0.049    |
| 11DS0954A | Skookum North | 624753 | 6990197 | WHI11001345-141 | 0.97     | 20.04    | 7.89     | 46.4     | 574      | 0.3      | 9        | 2.9      | 271      | 0.71        | 1.4      | 0.6     | 0.3      | 0.049    |
| 11DS0956A | Skookum North | 624752 | 6990290 | WHI11001345-143 | 0.99     | 16.99    | 7.13     | 26.4     | 373      | 2.4      | 6.6      | 2.5      | 133      | 0.79        | 1.5      | 0.6     | 2.4      | 0.049    |
| 11DS0957A | Skookum North | 624746 | 6990341 | WHI11001345-144 | 1.01     | 61.08    | 23.28    | 43.9     | 1084     | 3.1      | 17.9     | 5.5      | 229      | 1.23        | 1.7      | 2.7     | 3.1      | 0.2      |
| 11DS0958A | Skookum North | 624744 | 6990391 | WHI11001345-145 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS0959A | Skookum North | 624743 | 6990444 | WHI11001345-146 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS0960A | Skookum North | 624742 | 6990491 | WHI11001345-147 | 0.9      | 23.05    | 10.31    | 51.3     | 342      | 4.8      | 11.8     | 5.3      | 144      | 2.19        | 3.7      | 2       | 4.8      | 1        |
| 11DS0962A | Skookum North | 624740 | 6990539 | WHI11001345-149 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS0963A | Skookum North | 624738 | 6990598 | WHI11001345-150 | 1.14     | 33.34    | 7.16     | 18.9     | 371      | 1.3      | 13.6     | 4        | 66       | 1.03        | 1.9      | 2.8     | 1.3      | 0.3      |
| 11DS0964A | Skookum North | 624738 | 6990642 | WHI11001345-151 | 1.18     | 25.77    | 6.16     | 22.4     | 314      | 2        | 10.8     | 3.6      | 88       | 1.13        | 2        | 1.9     | 2        | 0.2      |
| 11TB0977A | Skookum North | 624821 | 6989436 | WHI11001345-234 | 1        | 8.29     | 12.56    | 60.2     | 206      | 1.5      | 10.1     | 6.8      | 462      | 2.07        | 4.1      | 0.5     | 1.5      | 2.4      |
| 11TB0978A | Skookum North | 624821 | 6989483 | WHI11001345-235 | 1.44     | 16.88    | 7.3      | 37.6     | 377      | 5.2      | 6.6      | 2.2      | 62       | 0.92        | 2        | 0.3     | 5.2      | 0.1      |
| 11TB0979A | Skookum North | 624821 | 6989539 | WHI11001345-236 | 1.18     | 63.96    | 12.81    | 153.9    | 277      | 12.8     | 11.6     | 7.9      | 536      | 1.95        | 2.3      | 0.8     | 12.8     | 1.2      |
| 11TB0980A | Skookum North | 624821 | 6989582 | WHI11001345-237 | 1.34     | 50.01    | 18.42    | 159.9    | 366      | 22.1     | 15.1     | 11.3     | 778      | 2.46        | 3        | 1.3     | 22.1     | 1.9      |
| 11TB0982A | Skookum North | 624821 | 6989636 | WHI11001345-239 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11TB0983A | Skookum North | 624821 | 6989685 | WHI11001345-240 | 1.75     | 24.29    | 11.75    | 88       | 132      | 7.5      | 13.7     | 8.3      | 470      | 1.9         | 2.8      | 0.5     | 7.5      | 1.6      |
| 11TB0984A | Skookum North | 624821 | 6989736 | WHI11001345-241 | 1.54     | 19.76    | 10.7     | 87.2     | 131      | 8.4      | 13.6     | 13.4     | 1176     | 2.19        | 2.9      | 0.7     | 8.4      | 2.3      |
| 11TB0985A | Skookum North | 624821 | 6989795 | WHI11001345-242 | 4.75     | 26.58    | 11.74    | 66.7     | 370      | 11.1     | 13.9     | 14.3     | 1146     | 2.44        | 3.9      | 2.3     | 11.1     | 3        |
| 11TB0986A | Skookum North | 624821 | 6989840 | WHI11001345-243 | 2.04     | 24.92    | 5.97     | 31.2     | 674      | 2.4      | 7.5      | 2.8      | 336      | 0.93        | 1.2      | 1.4     | 2.4      | 0.6      |
| 11TB0987A | Skookum North | 624821 | 6989900 | WHI11001345-244 | 4.14     | 32.24    | 9.51     | 72.6     | 1170     | 4        | 10.6     | 4.5      | 318      | 1.73        | 7.5      | 2.7     | 4        | 0.7      |
| 11TB0988A | Skookum North | 624821 | 6989943 | WHI11001345-245 | 1.38     | 23.07    | 7.13     | 56.2     | 536      | 22.1     | 10.2     | 6.1      | 181      | 1.52        | 2        | 2.8     | 22.1     | 1.5      |
| 11TB0989A | Skookum North | 624821 | 6989988 | WHI11001463-001 | 1.98     | 18.49    | 8.39     | 38.6     | 1029     | 2.8      | 9.9      | 4.9      | 209      | 1.33        | 5.1      | 1       | 2.8      | 0.2      |
| 11TB0990A | Skookum North | 624821 | 6990034 | WHI11001463-002 | 1.97     | 28.33    | 11.2     | 122.6    | 1028     | 3.9      | 15.3     | 10.8     | 940      | 2.36        | 3.4      | 1.6     | 3.9      | 3.7      |
| 11TB0991A | Skookum North | 624821 | 6990081 | WHI11001463-003 | 1.33     | 39.04    | 9.84     | 80       | 902      | 3        | 9.9      | 4.2      | 195      | 1.89        | 3.3      | 1.9     | 3        | 1.3      |
| 11TB0992A | Skookum North | 624821 | 6990138 | WHI11001463-004 | 1.22     | 25.47    | 14.89    | 129.5    | 3443     | 0.8      | 11.8     | 6.3      | 2286     | 1.53        | 2.3      | 0.8     | 0.8      | 1.3      |
| 11TB0993A | Skookum North | 624821 | 6990192 | WHI11001463-005 | 1.24     | 17.64    | 10.14    | 55.7     | 1017     | 1.7      | 4.8      | 4        | 692      | 1.24        | 3.9      | 0.7     | 1.7      | 1.8      |
| 11TB0994A | Skookum North | 624821 | 6990229 | WHI11001463-006 | 0.82     | 22.39    | 7.09     | 147.8    | 1149     | 1.2      | 6.5      | 4.2      | 3966     | 0.95        | 1.3      | 0.3     | 1.2      | 0.9      |
| 11TB0995A | Skookum North | 624821 | 6990284 | WHI11001463-007 | 0.7      | 16.86    | 5.96     | 114.6    | 1012     | 0.6      | 9.3      | 4.7      | 1912     | 1.04        | 1.3      | 0.2     | 0.6      | 0.5      |
| 11TB0996A | Skookum North | 624821 | 6990336 | WHI11001463-008 | 1        | 13.96    | 9.61     | 82.9     | 233      | 0.099    | 11.1     | 8.6      | 617      | 2.61        | 4        | 0.2     | 0.099    | 1.3      |
| 11TB0997A | Skookum North | 624821 | 6990387 | WHI11001463-009 | 0.86     | 19.18    | 6.88     | 27       | 261      | 0.099    | 7.2      | 2.5      | 81       | 0.86        | 2.4      | 0.3     | 0.099    | 0.049    |
| 11TB0998A | Skookum North | 624821 | 6990440 | WHI11001463-010 | 0.96     | 23.15    | 7.01     | 86.1     | 593      | 0.2      | 9.3      | 4.1      | 732      | 1.08        | 1.4      | 0.5     | 0.2      | 0.2      |
| 11TB0999A | Skookum North | 624821 | 6990484 | WHI11001223-131 | 0.65     | 17.99    | 8.01     | 24       | 172      | 0.9      | 5        | 2.3      | 98       | 1           | 1.1      | 0.5     | 0.9      | 0.049    |
| 11TB1000A | Skookum North | 624821 | 6990530 | WHI11001223-132 | 0.79     | 56.35    | 7        | 106.5    | 2787     | 0.9      | 10.7     | 5.1      | 1192     | 1.19        | 1.5      | 0.8     | 0.9      | 0.1      |
| 11TB1001A | Skookum North | 624821 | 6990588 | WHI11001223-133 | 0.73     | 19.3     | 6.62     | 30.4     | 401      | 1.3      | 5.8      | 3.4      | 117      | 1.42        | 1.9      | 0.6     | 1.3      | 0.049    |
| 11AN0255A | Skookum North | 624379 | 6990681 | WHI11001434-038 | 0.73     | 22.27    | 7.59     | 22       | 371      | 1.5      | 6.8      | 1.9      | 86       | 0.98        | 1.5      | 1.1     | 1.5      | 0.049    |
| 11AN0256A | Skookum North | 624377 | 6990731 | WHI11001434-039 | 1.01     | 29.18    | 7.97     | 37.9     | 674      | 1.2      | 9.3      | 3.8      | 152      | 1.07        | 2.3      | 0.9     | 1.2      | 0.049    |
| 11AN0257A | Skookum North | 624377 | 6990781 | WHI11001434-040 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |



| Sample No | Area          | E      | N       | ID              | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|
| 11AN0258A | Skookum North | 624376 | 6990830 | WHI11001434-041 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11AN0259A | Skookum North | 624375 | 6990880 | WHI11001434-042 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11AN0260A | Skookum North | 624372 | 6990930 | WHI11001434-043 | 0.88     | 30.71    | 6.03     | 28       | 314      | 2.7      | 10       | 3        | 123      | 0.96        | 1        | 2.1     | 2.7      | 0.2      |
| 11AN0262A | Skookum North | 624367 | 6990980 | WHI11001434-045 | 0.74     | 17.21    | 7.32     | 44.8     | 104      | 0.9      | 13.1     | 7.9      | 886      | 2.38        | 4.3      | 0.5     | 0.9      | 1.2      |
| 11AN0263A | Skookum North | 624364 | 6991037 | WHI11001434-046 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11AN0264A | Skookum North | 624359 | 6991080 | WHI11001434-047 | 0.63     | 10.22    | 5.22     | 108.5    | 117      | 2.5      | 9.6      | 8.3      | 627      | 1.84        | 2        | 0.2     | 2.5      | 0.7      |
| 11AN0265A | Skookum North | 624358 | 6991130 | WHI11001434-048 | 0.77     | 21.41    | 6.95     | 22.8     | 228      | 0.6      | 8        | 2.5      | 91       | 1.24        | 2.5      | 0.3     | 0.6      | 0.049    |
| 11AN0266A | Skookum North | 624358 | 6991180 | WHI11001434-049 | 0.82     | 17.14    | 3.83     | 21.5     | 303      | 0.8      | 9.3      | 3.4      | 67       | 0.9         | 2.1      | 0.2     | 0.8      | 0.049    |
| 11AN0267A | Skookum North | 624357 | 6991230 | WHI11001434-050 | 0.81     | 21.01    | 5.17     | 29.3     | 123      | 1.9      | 10.4     | 3.9      | 106      | 1.65        | 3.6      | 0.8     | 1.9      | 0.049    |
| 11AN0269A | Skookum North | 624356 | 6991330 | WHI11001434-052 | 0.88     | 11.74    | 4.86     | 30.4     | 144      | 2        | 7.5      | 3.6      | 127      | 1.6         | 2.5      | 0.5     | 2        | 0.049    |
| 11AN0270A | Skookum North | 624356 | 6991380 | WHI11001434-053 | 1.36     | 14.12    | 6.45     | 60.3     | 147      | 2.9      | 15.5     | 14       | 1060     | 2.33        | 4.6      | 1.6     | 2.9      | 2        |
| 11AN0272A | Skookum North | 624355 | 6991430 | WHI11001434-055 | 0.73     | 21.84    | 5.44     | 72.2     | 63       | 2        | 19.7     | 8        | 413      | 2.11        | 6.7      | 0.5     | 2        | 2.4      |
| 11CB0948A | Skookum North | 624631 | 6990742 | WHI11001345-037 | 1.02     | 17.05    | 7.92     | 33.4     | 174      | 2.1      | 11.4     | 4.5      | 95       | 1.76        | 4.7      | 1.1     | 2.1      | 0.7      |
| 11CB0949A | Skookum North | 624625 | 6990790 | WHI11001345-038 | 1.44     | 31.13    | 16.05    | 39       | 440      | 7.5      | 18.1     | 5.3      | 98       | 1.79        | 4.5      | 1.7     | 7.5      | 0.2      |
| 11CB0950A | Skookum North | 624624 | 6990840 | WHI11001345-039 | 0.96     | 16.31    | 7.77     | 29.9     | 259      | 6        | 11.5     | 3.9      | 74       | 1.49        | 3.4      | 1.3     | 6        | 0.3      |
| 11CB0951A | Skookum North | 624620 | 6990888 | WHI11001345-040 | 0.89     | 16.94    | 7.93     | 32.3     | 277      | 5.1      | 11.4     | 4.1      | 77       | 1.49        | 3.6      | 1.1     | 5.1      | 0.3      |
| 11CB0952A | Skookum North | 624620 | 6990937 | WHI11001345-041 | 1.04     | 24.74    | 14.39    | 25.7     | 326      | 4.3      | 12.5     | 3.6      | 68       | 1.25        | 3.2      | 1.8     | 4.3      | 0.2      |
| 11CB0953A | Skookum North | 624620 | 6990988 | WHI11001345-042 | 1.16     | 26.32    | 9.8      | 25.3     | 388      | 3.4      | 12.7     | 3.6      | 65       | 1.33        | 3.3      | 1.8     | 3.4      | 0.2      |
| 11CB0954A | Skookum North | 624615 | 6991042 | WHI11001345-043 | 0.79     | 25.13    | 6.61     | 31.8     | 270      | 3.1      | 14.3     | 5        | 100      | 1.32        | 2.2      | 1.1     | 3.1      | 0.4      |
| 11CB0955A | Skookum North | 624615 | 6991088 | WHI11001345-044 | 0.81     | 27.12    | 7.82     | 35       | 229      | 4.1      | 14.9     | 5.2      | 106      | 1.33        | 2.5      | 1.1     | 4.1      | 0.4      |
| 11CB0956A | Skookum North | 624612 | 6991141 | WHI11001345-045 | 1.12     | 10.56    | 4.82     | 23.7     | 175      | 2.6      | 9.4      | 5.5      | 61       | 0.94        | 1.9      | 0.6     | 2.6      | 0.1      |
| 11CB0957A | Skookum North | 624610 | 6991191 | WHI11001345-046 | 0.91     | 11.1     | 8.13     | 30.1     | 159      | 2.7      | 11.5     | 5.4      | 163      | 1.16        | 2.1      | 0.7     | 2.7      | 0.3      |
| 11CB0958A | Skookum North | 624608 | 6991237 | WHI11001345-047 | 1.39     | 38.87    | 11.66    | 39.5     | 293      | 2.6      | 18.7     | 16.9     | 619      | 2.04        | 4.1      | 1.4     | 2.6      | 0.2      |
| 11CB0959A | Skookum North | 624605 | 6991288 | WHI11001345-048 | 1.33     | 28.15    | 8.73     | 40.6     | 292      | 4.2      | 15.4     | 11.8     | 431      | 2.14        | 4.1      | 1.3     | 4.2      | 0.2      |
| 11CB0960A | Skookum North | 624604 | 6991341 | WHI11001345-049 | 0.89     | 13.29    | 18.77    | 49.3     | 337      | 2.5      | 12       | 7.3      | 778      | 1.85        | 3.5      | 0.5     | 2.5      | 0.5      |
| 11CB0962A | Skookum North | 624602 | 6991387 | WHI11001345-051 | 0.8      | 14.78    | 10.74    | 21.9     | 280      | 1.6      | 7.5      | 2.8      | 83       | 1.54        | 2.9      | 0.4     | 1.6      | 0.049    |
| 11DS0965A | Skookum North | 624738 | 6990691 | WHI11001345-152 | 1.32     | 23.35    | 11.43    | 32.2     | 196      | 0.9      | 14.1     | 4.9      | 99       | 1.44        | 2.2      | 1.7     | 0.9      | 0.3      |
| 11DS0966A | Skookum North | 624738 | 6990742 | WHI11001345-153 | 1.07     | 28.31    | 5.75     | 20.1     | 253      | 0.9      | 9.6      | 2.7      | 62       | 1           | 1.5      | 1.3     | 0.9      | 0.1      |
| 11DS0967A | Skookum North | 624738 | 6990794 | WHI11001345-154 | 1.26     | 15.09    | 4.48     | 24.8     | 255      | 0.9      | 11.3     | 4.2      | 92       | 1.05        | 1.7      | 1.6     | 0.9      | 0.1      |
| 11DS0968A | Skookum North | 624738 | 6990844 | WHI11001345-155 | 1.08     | 19.96    | 6.65     | 35.2     | 238      | 1.7      | 12.7     | 4.6      | 94       | 1.39        | 3.2      | 1.5     | 1.7      | 0.3      |
| 11DS0969A | Skookum North | 624738 | 6990894 | WHI11001345-156 | 1.39     | 25.77    | 6.28     | 28.4     | 259      | 0.8      | 10.8     | 3.6      | 117      | 0.9         | 1.6      | 1.5     | 0.8      | 0.049    |
| 11DS0970A | Skookum North | 624738 | 6990940 | WHI11001345-157 | 0.89     | 18.86    | 6.09     | 30.9     | 245      | 1.1      | 11.6     | 4.8      | 81       | 1.38        | 3.2      | 1.7     | 1.1      | 0.3      |
| 11DS0971A | Skookum North | 624738 | 6990993 | WHI11001345-158 | 1.24     | 24.28    | 5.85     | 24.9     | 160      | 0.7      | 12.8     | 4.5      | 81       | 1.09        | 2.2      | 1.6     | 0.7      | 0.1      |
| 11DS0972A | Skookum North | 624738 | 6991041 | WHI11001345-159 | 1.09     | 26.81    | 8.09     | 40.7     | 332      | 1.1      | 14.4     | 5.9      | 155      | 1.64        | 3.1      | 1.4     | 1.1      | 0.2      |
| 11DS0973A | Skookum North | 624738 | 6991089 | WHI11001345-160 | 1.03     | 16.44    | 5.37     | 32.1     | 135      | 0.6      | 8.4      | 5.8      | 88       | 1.09        | 1.8      | 0.9     | 0.6      | 0.2      |
| 11DS0974A | Skookum North | 624738 | 6991140 | WHI11001345-161 | 0.77     | 12.3     | 7.64     | 52.7     | 112      | 1.3      | 9.3      | 10.7     | 331      | 1.86        | 3.3      | 1.2     | 1.3      | 1.3      |
| 11DS0975A | Skookum North | 624738 | 6991194 | WHI11001345-162 | 0.74     | 5.09     | 2.62     | 51.7     | 43       | 1.2      | 4.2      | 3.1      | 152      | 0.66        | 1.4      | 0.3     | 1.2      | 0.9      |
| 11DS0976A | Skookum North | 624738 | 6991242 | WHI11001345-163 | 1.15     | 10.1     | 5.48     | 81.9     | 139      | 0.7      | 8.6      | 6.2      | 1521     | 1.12        | 1.9      | 0.1     | 0.7      | 0.3      |
| 11DS0977A | Skookum North | 624738 | 6991291 | WHI11001345-164 | 0.85     | 9.36     | 4.89     | 122.1    | 219      | 0.8      | 7.4      | 6.5      | 1317     | 1.2         | 1.8      | 0.1     | 0.8      | 0.3      |
| 11DS0978A | Skookum North | 624738 | 6991343 | WHI11001345-165 | 1.04     | 15.76    | 11.91    | 23.8     | 143      | 0.3      | 10.3     | 2.7      | 90       | 0.65        | 0.8      | 0.3     | 0.3      | 0.049    |
| 11DS0979A | Skookum North | 624738 | 6991389 | WHI11001345-166 | 0.65     | 11.84    | 4.05     | 18.2     | 495      | 0.8      | 7        | 4.5      | 139      | 0.85        | 1.2      | 0.6     | 0.8      | 0.049    |
| 11DS0980A | Skookum North | 624738 | 6991442 | WHI11001345-167 | 0.79     | 23.64    | 7.48     | 35       | 384      | 1.4      | 11.5     | 4        | 111      | 1.58        | 2.5      | 0.9     | 1.4      | 0.1      |
| 11DS0982A | Skookum North | 624738 | 6991496 | WHI11001345-169 | 0.97     | 19.1     | 6.23     | 63.1     | 114      | 2.1      | 16.9     | 10.5     | 720      | 1.85        | 3.6      | 0.8     | 2.1      | 1.3      |
| 11DS0983A | Skookum North | 624738 | 6991541 | WHI11001345-170 | 0.62     | 24.57    | 5.92     | 52.5     | 98       | 1.5      | 20.3     | 7.2      | 499      | 1.68        | 3.2      | 0.6     | 1.5      | 1.3      |
| 11DS0984A | Skookum North | 624738 | 6991590 | WHI11001345-171 | 0.97     | 18.31    | 7.94     | 57.2     | 70       | 1        | 15.1     | 7.7      | 498      | 1.49        | 3.6      | 0.4     | 1        | 0.6      |
| 11DS0985A | Skookum North | 624738 | 6991627 | WHI11001345-172 | 1.23     | 25.6     | 8.37     | 49.4     | 86       | 7.8      | 17.3     | 7.1      | 664      | 1.34        | 3.2      | 0.5     | 7.8      | 0.5      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11TB1002A | Skookum North | 624821 | 6990633 | WHI11001223-134 | 0.8     | 23.29    | 9.77     | 35       | 184      | 0.5      | 6.5      | 2.9      | 194     | 0.91       | 1.5      | 0.5     | 0.5      | 0.049    |
| 11TB1003A | Skookum North | 624821 | 6990689 | WHI11001223-135 | 0.64    | 13.73    | 7.06     | 27.8     | 533      | 0.7      | 4.6      | 2.5      | 95      | 0.93       | 1.7      | 0.4     | 0.7      | 0.049    |
| 11TB1004A | Skookum North | 624821 | 6990735 | WHI11001223-136 | 0.63    | 65.55    | 24.58    | 75.4     | 1089     | 1.3      | 8.5      | 3.6      | 97      | 1.26       | 1.3      | 1.2     | 1.3      | 0.049    |
| 11TB1005A | Skookum North | 624821 | 6990779 | WHI11001223-137 | 0.53    | 41.72    | 7.97     | 48.3     | 1029     | 2.5      | 5.8      | 3        | 141     | 0.69       | 0.8      | 0.9     | 2.5      | 0.049    |
| 11TB1006A | Skookum North | 624821 | 6990837 | WHI11001223-138 | 0.86    | 9.89     | 2        | 17.2     | 137      | 0.9      | 5.3      | 5.4      | 178     | 0.65       | 0.7      | 1.3     | 0.9      | 1        |
| 11TB1007A | Skookum North | 624821 | 6990883 | WHI11001223-139 | 2.29    | 25.82    | 11.08    | 65.1     | 409      | 3.7      | 18.4     | 17.1     | 900     | 3.12       | 8.1      | 2.4     | 3.7      | 3.2      |
| 11TB1008A | Skookum North | 624821 | 6990942 | WHI11001223-140 | 0.69    | 37.74    | 5.55     | 29.3     | 537      | 0.3      | 15.2     | 6        | 144     | 1.02       | 1.6      | 1.6     | 0.3      | 0.1      |
| 11TB1009A | Skookum North | 624821 | 6990985 | WHI11001223-141 | 0.45    | 9.36     | 4.92     | 93.1     | 227      | 0.099    | 8.7      | 8.3      | 1880    | 1.48       | 2.2      | 0.1     | 0.099    | 0.3      |
| 11TB1010A | Skookum North | 624821 | 6991040 | WHI11001223-142 | 0.59    | 18.26    | 5.93     | 17.7     | 99       | 0.099    | 8.3      | 3.2      | 80      | 1          | 1.6      | 0.3     | 0.099    | 0.049    |
| 11TB1011A | Skookum North | 624821 | 6991088 | WHI11001223-143 | 0.58    | 15.77    | 6        | 42.1     | 89       | 0.8      | 7.1      | 3.5      | 168     | 1.31       | 2.4      | 0.2     | 0.8      | 0.2      |
| 11TB1012A | Skookum North | 624821 | 6991128 | WHI11001223-144 | 0.75    | 13.27    | 4.29     | 15.8     | 164      | 0.3      | 7.2      | 2.7      | 50      | 0.9        | 1.2      | 0.4     | 0.3      | 0.049    |
| 11TB1013A | Skookum North | 624821 | 6991194 | WHI11001223-145 | 0.72    | 11.18    | 6.38     | 28.6     | 64       | 6.9      | 7.9      | 3.3      | 107     | 1.77       | 4.3      | 0.3     | 6.9      | 0.5      |
| 11TB1014A | Skookum North | 624821 | 6991234 | WHI11001223-146 | 0.6     | 12.45    | 1.8      | 28.7     | 150      | 4        | 5.8      | 5.2      | 1788    | 0.7        | 1.2      | 0.4     | 4        | 0.6      |
| 11TB1015A | Skookum North | 624821 | 6991280 | WHI11001223-147 | 0.6     | 14.27    | 3.16     | 27       | 186      | 4.1      | 8        | 5.4      | 965     | 1.1        | 1.5      | 0.9     | 4.1      | 0.4      |
| 11TB1016A | Skookum North | 624821 | 6991332 | WHI11001223-149 | 1.02    | 13.22    | 5.88     | 47.8     | 98       | 3.3      | 14.6     | 9        | 879     | 2.03       | 3.1      | 1.1     | 3.3      | 0.8      |
| 11TB1017A | Skookum North | 624821 | 6991379 | WHI11001223-148 | 0.69    | 10.51    | 5.96     | 35.3     | 117      | 2.1      | 8.2      | 3.9      | 129     | 1.62       | 2.9      | 0.2     | 2.1      | 0.1      |
| 11TB1019A | Skookum North | 624821 | 6991489 | WHI11001223-150 | 0.87    | 17.3     | 4.84     | 36       | 87       | 3.2      | 13.2     | 6.5      | 237     | 1.59       | 3.7      | 0.6     | 3.2      | 0.4      |
| 11TB1020A | Skookum North | 624821 | 6991535 | WHI11001223-151 | 0.89    | 13.47    | 6.29     | 47       | 51       | 3.7      | 14.1     | 9.2      | 310     | 2.18       | 5.5      | 0.5     | 3.7      | 0.6      |
| 11TB1022A | Skookum North | 624821 | 6991582 | WHI11001223-153 | 0.74    | 20.39    | 6.45     | 59.4     | 91       | 5        | 18.9     | 9.8      | 457     | 2.21       | 6.1      | 0.8     | 5        | 1.5      |
| 11AN0273A | Skookum North | 624121 | 6989414 | WHI11001434-056 | 0.78    | 16.97    | 6.25     | 24.5     | 211      | 2.5      | 6.9      | 3.7      | 89      | 1.57       | 2.8      | 0.4     | 2.5      | 0.1      |
| 11AN0274A | Skookum North | 624121 | 6989464 | WHI11001434-057 | 0.95    | 11.93    | 1.32     | 60.8     | 144      | 3.5      | 4.5      | 2.9      | 1079    | 0.45       | 0.9      | 0.3     | 3.5      | 0.2      |
| 11AN0275A | Skookum North | 624121 | 6989514 | WHI11001434-058 | 2.93    | 21.4     | 1.77     | 39.4     | 202      | 4        | 9.8      | 5.9      | 2530    | 0.75       | 12.5     | 0.5     | 4        | 0.1      |
| 11AN0276A | Skookum North | 624121 | 6989564 | WHI11001434-059 | 2.02    | 17.76    | 7.75     | 68.5     | 158      | 5.8      | 12.9     | 10.8     | 524     | 2.62       | 18.4     | 0.6     | 5.8      | 1.7      |
| 11AN0277A | Skookum North | 624121 | 6989614 | WHI11001434-060 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11AN0278A | Skookum North | 624121 | 6989663 | WHI11001434-061 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11AN0279A | Skookum North | 624121 | 6989714 | WHI11001434-062 | 1.54    | 20.67    | 9.95     | 57.4     | 401      | 4.5      | 10.5     | 8.2      | 328     | 2.54       | 3.7      | 0.7     | 4.5      | 1.7      |
| 11AN0280A | Skookum North | 624121 | 6989764 | WHI11001434-063 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11AN0282A | Skookum North | 624121 | 6989814 | WHI11001434-065 | 1.35    | 17.59    | 6.62     | 33.5     | 512      | 2.8      | 8.6      | 4.5      | 126     | 1.76       | 2.4      | 0.7     | 2.8      | 0.8      |
| 11AN0283A | Skookum North | 624121 | 6989859 | WHI11001434-066 | 1.23    | 23.07    | 6.97     | 62.1     | 315      | 1.9      | 13       | 9.3      | 239     | 2.65       | 3        | 0.7     | 1.9      | 1.4      |
| 11AN0284A | Skookum North | 624121 | 6989914 | WHI11001434-067 | 0.84    | 19.87    | 5.04     | 34.5     | 204      | 2        | 9.1      | 5.5      | 138     | 1.92       | 2.8      | 0.7     | 2        | 0.9      |
| 11AN0285A | Skookum North | 624121 | 6989959 | WHI11001434-068 | 1.08    | 19.67    | 7.59     | 63.4     | 162      | 2.1      | 15       | 9.5      | 236     | 2.55       | 4.3      | 0.6     | 2.1      | 2        |
| 11AN0286A | Skookum North | 624121 | 6990014 | WHI11001434-069 | 0.82    | 16.68    | 3.54     | 22.2     | 145      | 2.4      | 6.8      | 4.2      | 100     | 1.31       | 1.8      | 0.6     | 2.4      | 0.2      |
| 11AN0287A | Skookum North | 624121 | 6990064 | WHI11001434-070 | 0.82    | 13.3     | 2.81     | 27.9     | 249      | 1.9      | 7.6      | 4.8      | 91      | 1.31       | 2        | 0.6     | 1.9      | 0.2      |
| 11AN0288A | Skookum North | 624121 | 6990114 | WHI11001434-071 | 0.8     | 10.86    | 5.92     | 45.9     | 110      | 3.4      | 9.5      | 6.1      | 172     | 2.03       | 4.3      | 0.4     | 3.4      | 1.3      |
| 11AN0289A | Skookum North | 624121 | 6990164 | WHI11001434-072 | 1.02    | 21.46    | 7.1      | 48.4     | 223      | 2        | 11.6     | 7.3      | 166     | 2.24       | 4.3      | 0.6     | 2        | 0.7      |
| 11AN0290A | Skookum North | 624121 | 6990164 | WHI11001434-073 | 0.76    | 13.98    | 5.62     | 50.7     | 100      | 1.5      | 11.5     | 8.5      | 209     | 2.45       | 3.9      | 0.4     | 1.5      | 1.4      |
| 11AN0291A | Skookum North | 624121 | 6990267 | WHI11001434-074 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11AN0292A | Skookum North | 624121 | 6990314 | WHI11001434-075 | 1.74    | 35.07    | 5.17     | 44.3     | 435      | 4.3      | 11.4     | 14.9     | 1346    | 1.54       | 3.3      | 1.4     | 4.3      | 0.3      |
| 11AN0293A | Skookum North | 624121 | 6990367 | WHI11001434-076 | 1.18    | 33.05    | 7.42     | 54.9     | 443      | 3.7      | 14.4     | 11.7     | 381     | 2.27       | 4.7      | 1.3     | 3.7      | 1.4      |
| 11AN0294A | Skookum North | 624121 | 6990414 | WHI11001434-077 | 0.83    | 28.34    | 9.87     | 51.9     | 409      | 2.1      | 8.9      | 6.5      | 174     | 1.97       | 2.8      | 0.8     | 2.1      | 1.3      |
| 11AN0295A | Skookum North | 624121 | 6990467 | WHI11001434-078 | 1.35    | 24.11    | 9.4      | 48.7     | 397      | 2.3      | 12       | 6.1      | 161     | 1.87       | 4.5      | 0.5     | 2.3      | 0.6      |
| 11AN0296A | Skookum North | 624121 | 6990520 | WHI11001434-079 | 1.08    | 21.26    | 12.25    | 88.2     | 240      | 2.3      | 10.5     | 7.7      | 370     | 2.26       | 4.3      | 0.4     | 2.3      | 1.5      |
| 11AN0298A | Skookum North | 624121 | 6990567 | WHI11001434-081 | 1.47    | 53.9     | 12.42    | 75.7     | 3446     | 12.1     | 16.4     | 11.7     | 421     | 2.24       | 5        | 2.8     | 12.1     | 0.6      |
| 11AN0299A | Skookum North | 624121 | 6990617 | WHI11001434-082 | 1.48    | 58.06    | 16.15    | 74.7     | 1656     | 2.1      | 9.6      | 5.3      | 148     | 1.99       | 4.3      | 1       | 2.1      | 1        |
| 11CB0967A | Skookum North | 624510 | 6989427 | WHI11001223-278 | 2.07    | 22.19    | 11.78    | 77.6     | 378      | 2.7      | 16.6     | 16.9     | 2305    | 2.29       | 3.8      | 1.1     | 2.7      | 1.3      |
| 11CB0968A | Skookum North | 624510 | 6989476 | WHI11001223-279 | 2.16    | 21.9     | 10.6     | 73.3     | 329      | 2        | 13.5     | 13.6     | 2679    | 1.76       | 2.9      | 0.9     | 2        | 0.8      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11CB0969A | Skookum North | 624510 | 6989526 | WHI11001223-280 | 2.12    | 22.31    | 11.6     | 76.6     | 352      | 2.7       | 15.8      | 16.5     | 2420      | 2.24       | 3.6       | 1        | 2.7       | 1.3       |
| 11CB0970A | Skookum North | 624510 | 6989576 | WHI11001223-281 | 1.88    | 20.29    | 10.04    | 76.3     | 345      | 2.2       | 14.3      | 14.2     | 2053      | 2.02       | 3.3       | 0.9      | 2.2       | 1.2       |
| 11CB0971A | Skookum North | 624510 | 6989623 | WHI11001223-282 | 2.83    | 28.22    | 12.01    | 78.6     | 357      | 2.2       | 8.2       | 33.1     | 2773      | 1.84       | 7.4       | 1.1      | 2.2       | 0.2       |
| 11CB0972A | Skookum North | 624510 | 6989678 | WHI11001223-283 | 1.4     | 319.08   | 458.46   | 1571.5   | 3373     | 7.6       | 16.3      | 10.1     | 1128      | 1.47       | 2.8       | 0.8      | 7.6       | 0.5       |
| 11CB0973A | Skookum North | 624510 | 6989726 | WHI11001223-284 | 1.39    | 257.9    | 439.95   | 1585.4   | 3430     | 7.9       | 16.9      | 11.1     | 996       | 1.7        | 3.3       | 0.8      | 7.9       | 0.7       |
| 11CB0974A | Skookum North | 624510 | 6989776 | WHI11001223-285 | 1.33    | 168.59   | 324.14   | 370.3    | 2697     | 4.4       | 11        | 4.4      | 143       | 1.03       | 1         | 1.2      | 4.4       | 0.2       |
| 11CB0975A | Skookum North | 624510 | 6989832 | WHI11001223-286 | 1.06    | 112.46   | 116.66   | 397.5    | 1667     | 4.6       | 11.1      | 9.6      | 379       | 1.37       | 1.4       | 1.1      | 4.6       | 0.3       |
| 11CB0976A | Skookum North | 624510 | 6989875 | WHI11001223-287 | 0.96    | 98.27    | 110      | 380.2    | 1063     | 4.7       | 10.9      | 7        | 250       | 1.18       | 0.8       | 0.9      | 4.7       | 0.3       |
| 11CB0977A | Skookum North | 624510 | 6989921 | WHI11001223-288 | 0.96    | 20.82    | 6.99     | 60.5     | 353      | 1.9       | 7.4       | 2.5      | 89        | 0.85       | 1.2       | 0.7      | 1.9       | 0.2       |
| 11CB0978A | Skookum North | 624510 | 6989985 | WHI11001223-289 | 0.87    | 27.13    | 8.4      | 72.9     | 236      | 4.7       | 11.4      | 6.8      | 206       | 1.78       | 1.8       | 0.8      | 4.7       | 0.7       |
| 11CB0979A | Skookum North | 624510 | 6990022 | WHI11001223-290 | 0.94    | 64.11    | 11.3     | 140.2    | 1440     | 8.1       | 16.7      | 12.9     | 1012      | 1.57       | 1.7       | 4.5      | 8.1       | 1         |
| 11CB0980A | Skookum North | 624510 | 6990082 | WHI11001223-291 | 2.97    | 37.68    | 18.77    | 258.2    | 1478     | 3         | 11.2      | 10.2     | 2904      | 2.79       | 9         | 1.1      | 3         | 3.5       |
| 11CB0982A | Skookum North | 624510 | 6990132 | WHI11001223-293 | 0.86    | 37.51    | 8.05     | 136.8    | 722      | 1.4       | 13.1      | 9.2      | 1928      | 2.11       | 2.8       | 0.6      | 1.4       | 1         |
| 11CB0983A | Skookum North | 624510 | 6990190 | WHI11001223-294 | 1.28    | 36.41    | 12.72    | 177      | 2041     | 0.7       | 24.1      | 24.6     | 4091      | 2.35       | 2.8       | 0.8      | 0.7       | 1.1       |
| 11CB0984A | Skookum North | 624510 | 6990235 | WHI11001223-295 | 0.91    | 21.02    | 6.85     | 274.8    | 606      | 0.9       | 14.4      | 11.1     | 3110      | 2.14       | 2.1       | 0.4      | 0.9       | 0.9       |
| 11CB0985A | Skookum North | 624510 | 6990287 | WHI11001223-296 | 1.05    | 16.26    | 5.72     | 179.1    | 1214     | 0.7       | 13.9      | 17.3     | 7416      | 0.83       | 1         | 0.2      | 0.7       | 0.049     |
| 11CB0986A | Skookum North | 624510 | 6990329 | WHI11001223-297 | 1.18    | 15.21    | 9.22     | 78.2     | 502      | 0.3       | 10.3      | 9.4      | 472       | 2.94       | 4.5       | 0.4      | 0.3       | 2         |
| 11CB0987A | Skookum North | 624510 | 6990385 | WHI11001223-298 | 1.03    | 22.8     | 12.04    | 86       | 547      | 0.5       | 13.6      | 15.2     | 2057      | 2.23       | 3.3       | 0.6      | 0.5       | 2.2       |
| 11CB0988A | Skookum North | 624510 | 6990432 | WHI11001223-299 | 0.85    | 19.62    | 12.6     | 191.8    | 904      | 0.9       | 8.7       | 5.9      | 3196      | 1.36       | 1.7       | 0.4      | 0.9       | 1.3       |
| 11CB0989A | Skookum North | 624510 | 6990481 | WHI11001223-300 | 1.38    | 48.8     | 34.74    | 162.6    | 2350     | 1.6       | 18        | 9.3      | 1605      | 2.17       | 3.9       | 2.2      | 1.6       | 2.6       |
| 11CB0990A | Skookum North | 624510 | 6990530 | WHI11001223-301 | 1.45    | 36.1     | 16.21    | 172.3    | 1441     | 0.3       | 15.9      | 10.5     | 2259      | 2.33       | 3.2       | 1.1      | 0.3       | 1.7       |
| 11CB0991A | Skookum North | 624510 | 6990576 | WHI11001223-302 | 1.11    | 34.51    | 91.04    | 174.3    | 2390     | 0.7       | 25.3      | 15.1     | 820       | 2.91       | 4.9       | 1.3      | 0.7       | 2.9       |
| 11CB0992A | Skookum North | 624510 | 6990619 | WHI11001223-303 | 0.81    | 25.38    | 15.14    | 344.3    | 2864     | 0.7       | 12.4      | 5.9      | 6125      | 0.95       | 1.8       | 0.4      | 0.7       | 0.049     |
| 11DS0986A | Skookum North | 624232 | 6989419 | WHI11001345-173 | 0.93    | 28.18    | 6.7      | 20.8     | 817      | 0.5       | 12.1      | 4.9      | 81        | 0.63       | 0.8       | 0.3      | 0.5       | 0.049     |
| 11DS0987A | Skookum North | 624232 | 6989468 | WHI11001345-174 | 1.28    | 49.43    | 9.41     | 40.5     | 542      | 4.3       | 21.6      | 7.1      | 109       | 1.21       | 1.8       | 0.8      | 4.3       | 0.049     |
| 11DS0988A | Skookum North | 624232 | 6989517 | WHI11001345-175 | 1.02    | 28.23    | 7.13     | 75.7     | 411      | 0.7       | 16        | 4.8      | 136       | 0.68       | 0.9       | 0.2      | 0.7       | 0.049     |
| 11DS0989A | Skookum North | 624232 | 6989568 | WHI11001345-176 | 1.77    | 18.95    | 5.71     | 19.7     | 264      | 1.8       | 8.6       | 2.9      | 221       | 0.69       | 0.6       | 0.5      | 1.8       | 0.049     |
| 11DS0990A | Skookum North | 624232 | 6989619 | WHI11001345-177 | 1.14    | 20.46    | 10.42    | 35.1     | 265      | 3.6       | 10.1      | 5.4      | 168       | 1.58       | 1.9       | 0.7      | 3.6       | 0.5       |
| 11DS0991A | Skookum North | 624232 | 6989668 | WHI11001345-178 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS0992A | Skookum North | 624232 | 6989717 | WHI11001345-179 | 0.58    | 20.15    | 8.64     | 17.2     | 338      | 0.6       | 6.7       | 2.4      | 112       | 0.82       | 0.8       | 0.7      | 0.6       | 0.049     |
| 11DS0993A | Skookum North | 624232 | 6989767 | WHI11001345-180 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS0994A | Skookum North | 624232 | 6989818 | WHI11001345-181 | 0.99    | 21.53    | 7.79     | 29.7     | 646      | 1.4       | 8.6       | 4.5      | 115       | 1.66       | 1.6       | 1.4      | 1.4       | 0.7       |
| 11DS0995A | Skookum North | 624232 | 6989866 | WHI11001345-182 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS0996A | Skookum North | 624232 | 6989918 | WHI11001345-183 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS0997A | Skookum North | 624232 | 6989966 | WHI11001345-184 | 0.93    | 19.41    | 6.68     | 51       | 270      | 4.3       | 9.5       | 7.1      | 253       | 1.8        | 2.1       | 0.7      | 4.3       | 1.3       |
| 11DS0998A | Skookum North | 624232 | 6990018 | WHI11001345-185 | 0.92    | 18.83    | 4.59     | 28.4     | 213      | 2.8       | 6.4       | 3.9      | 171       | 1.33       | 2         | 0.5      | 2.8       | 0.3       |
| 11DS0999A | Skookum North | 624232 | 6990067 | WHI11001345-186 | 0.82    | 15.13    | 5.13     | 42.1     | 286      | 3.7       | 7.5       | 5.6      | 132       | 1.72       | 1.6       | 0.5      | 3.7       | 0.5       |
| 11DS1000A | Skookum North | 624232 | 6990118 | WHI11001345-187 | 0.6     | 20.95    | 5.5      | 31.8     | 207      | 2         | 7.4       | 5.8      | 156       | 1.51       | 2         | 0.5      | 2         | 0.3       |
| 11DS1002A | Skookum North | 624232 | 6990170 | WHI11001345-189 | 0.88    | 43.35    | 2.96     | 17.8     | 749      | 4.5       | 14.1      | 5.2      | 604       | 0.94       | 1.2       | 1.5      | 4.5       | 0.3       |
| 11DS1003A | Skookum North | 624232 | 6990219 | WHI11001345-190 | 1.06    | 25.98    | 6.03     | 41.2     | 643      | 0.6       | 12.2      | 11.7     | 1979      | 1.22       | 1.1       | 0.5      | 0.6       | 0.2       |
| 11DS1004A | Skookum North | 624232 | 6990272 | WHI11001345-191 | 1.4     | 34.06    | 8.69     | 44.8     | 820      | 0.6       | 12.9      | 8.7      | 968       | 1.26       | 1.6       | 0.8      | 0.6       | 0.4       |
| 11DS1005A | Skookum North | 624232 | 6990318 | WHI11001345-192 | 0.85    | 16.14    | 5.02     | 20       | 847      | 1         | 7.7       | 2.7      | 182       | 0.58       | 1.1       | 0.4      | 1         | 0.049     |
| 11DS1006A | Skookum North | 624232 | 6990375 | WHI11001345-193 | 0.75    | 40.71    | 7.75     | 18.1     | 553      | 1.5       | 9.1       | 4.4      | 80        | 1.16       | 1.3       | 1.3      | 1.5       | 0.049     |
| 11DS1007A | Skookum North | 624232 | 6990418 | WHI11001345-194 | 0.82    | 46.6     | 8.85     | 36.5     | 710      | 2         | 13        | 5.7      | 302       | 1.13       | 1.8       | 1.3      | 2         | 0.1       |
| 11DS1008A | Skookum North | 624232 | 6990470 | WHI11001345-195 | 1.33    | 26.15    | 6.4      | 25.1     | 488      | 0.7       | 9.8       | 4.8      | 84        | 1.13       | 1.7       | 1.2      | 0.7       | 0.049     |
| 11DS1009A | Skookum North | 624232 | 6990522 | WHI11001345-196 | 1.29    | 35.35    | 7.46     | 31.4     | 544      | 0.4       | 12.7      | 7.9      | 133       | 1.08       | 1.2       | 1.5      | 0.4       | 0.049     |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11DS1010A | Skookum North | 624232 | 6990559 | WHI11001345-197 | 1.37    | 33.08    | 26.07    | 55.8     | 843      | 0.099     | 10.8      | 6.3      | 200       | 1.08       | 1.8       | 1.3      | 0.099     | 0.1       |
| 11TB1023A | Skookum North | 624337 | 6989418 | WHI11001223-154 | 0.72    | 13.94    | 4.47     | 21.5     | 399      | 2.3       | 5.4       | 2.4      | 76        | 0.75       | 1.4       | 0.4      | 2.3       | 0.1       |
| 11TB1024A | Skookum North | 624337 | 6989471 | WHI11001223-155 | 0.31    | 23.11    | 2.53     | 30.8     | 266      | 9.1       | 6         | 3.3      | 628       | 0.55       | 1.3       | 1.1      | 9.1       | 0.5       |
| 11TB1025A | Skookum North | 624337 | 6989522 | WHI11001223-156 | 0.97    | 32.96    | 3.99     | 40.8     | 215      | 4         | 17.2      | 8.3      | 646       | 1.57       | 1.5       | 0.9      | 4         | 0.6       |
| 11TB1026A | Skookum North | 624337 | 6989570 | WHI11001223-157 | 1.33    | 47.79    | 36.76    | 139.2    | 297      | 12        | 17.6      | 10.2     | 673       | 1.99       | 2.9       | 0.9      | 12        | 1.6       |
| 11TB1027A | Skookum North | 624337 | 6989622 | WHI11001223-158 | 1.01    | 18.02    | 8.81     | 55.7     | 147      | 2.8       | 11.9      | 6.3      | 278       | 1.65       | 2.4       | 0.6      | 2.8       | 1.1       |
| 11TB1028A | Skookum North | 624337 | 6989674 | WHI11001223-159 | 1.4     | 19.66    | 8.05     | 46.7     | 184      | 4.4       | 12.5      | 7.9      | 416       | 1.66       | 2         | 0.7      | 4.4       | 0.6       |
| 11TB1029A | Skookum North | 624337 | 6989723 | WHI11001223-160 | 1.26    | 25.46    | 4.15     | 95.5     | 237      | 0.8       | 7.3       | 3.4      | 504       | 0.8        | 0.9       | 0.2      | 0.8       | 0.2       |
| 11TB1030A | Skookum North | 624337 | 6989770 | WHI11001223-161 | 0.91    | 19.97    | 6.58     | 46.4     | 397      | 2.3       | 8.9       | 5.2      | 155       | 2          | 2.1       | 0.3      | 2.3       | 0.2       |
| 11TB1031A | Skookum North | 624337 | 6989821 | WHI11001223-162 | 0.59    | 22.32    | 3.76     | 19.2     | 226      | 1.2       | 8.4       | 5        | 292       | 1.03       | 1.1       | 0.8      | 1.2       | 0.3       |
| 11TB1032A | Skookum North | 624337 | 6989868 | WHI11001223-163 | 0.87    | 23.14    | 7.51     | 35.4     | 404      | 1.5       | 7.4       | 4.1      | 131       | 1.41       | 1.7       | 0.8      | 1.5       | 0.2       |
| 11TB1033A | Skookum North | 624337 | 6989920 | WHI11001223-164 | 0.78    | 21.14    | 5.04     | 23.4     | 194      | 0.9       | 7.3       | 2.5      | 95        | 0.73       | 1         | 0.4      | 0.9       | 0.1       |
| 11TB1034A | Skookum North | 624337 | 6990019 | WHI11001223-165 | 1.42    | 18.85    | 12.1     | 89.9     | 303      | 1.6       | 12        | 15.5     | 539       | 3.03       | 5.1       | 0.7      | 1.6       | 1.8       |
| 11TB1035A | Skookum North | 624337 | 6990068 | WHI11001223-166 | 1.24    | 15.67    | 9.59     | 67.8     | 279      | 1.3       | 8.7       | 14.3     | 478       | 2.66       | 4.3       | 0.6      | 1.3       | 1.3       |
| 11TB1036A | Skookum North | 624337 | 6990119 | WHI11001223-167 | 1.16    | 33.91    | 8.06     | 110.9    | 151      | 1.7       | 11.9      | 13.5     | 589       | 3.52       | 4.4       | 0.8      | 1.7       | 2.4       |
| 11TB1037A | Skookum North | 624337 | 6990179 | WHI11001223-168 | 1.18    | 30.87    | 9.16     | 145      | 698      | 1.2       | 12.2      | 11.4     | 2204      | 2.43       | 2.6       | 0.5      | 1.2       | 1         |
| 11TB1038A | Skookum North | 624337 | 6990222 | WHI11001223-169 | 1.26    | 17.39    | 5.81     | 47.1     | 620      | 1.5       | 13.8      | 13.4     | 1786      | 1.21       | 1.9       | 0.4      | 1.5       | 0.3       |
| 11TB1039A | Skookum North | 624337 | 6990275 | WHI11001223-170 | 1.09    | 22.27    | 8.39     | 140.6    | 1358     | 0.4       | 14.7      | 15.4     | 5777      | 2.63       | 3.9       | 0.4      | 0.4       | 2         |
| 11TB1040A | Skookum North | 624337 | 6990321 | WHI11001223-171 | 1.3     | 19.79    | 12.34    | 116.1    | 1035     | 0.6       | 10.5      | 11.8     | 1844      | 2.67       | 1.7       | 0.3      | 0.6       | 1.3       |
| 11TB1042A | Skookum North | 624337 | 6990374 | WHI11001223-173 | 1.1     | 29.08    | 5.89     | 54.4     | 1700     | 0.7       | 13        | 9.2      | 820       | 1.25       | 1.4       | 0.9      | 0.7       | 0.2       |
| 11TB1043A | Skookum North | 624337 | 6990422 | WHI11001223-174 | 0.96    | 33.09    | 9.31     | 54.7     | 870      | 0.6       | 12        | 6.9      | 365       | 1.6        | 1.7       | 0.8      | 0.6       | 0.6       |
| 11TB1044A | Skookum North | 624337 | 6990469 | WHI11001223-175 | 0.8     | 27.01    | 8.91     | 244.2    | 1012     | 0.5       | 14.6      | 15.6     | 4293      | 1.62       | 2         | 1        | 0.5       | 1         |
| 11TB1045A | Skookum North | 624337 | 6990520 | WHI11001223-176 | 1.02    | 26.69    | 8.22     | 332      | 1325     | 2         | 13.9      | 12       | 6720      | 1.12       | 2.1       | 0.7      | 2         | 0.4       |
| 11TB1046A | Skookum North | 624337 | 6990578 | WHI11001223-177 | 1.9     | 40.2     | 36.99    | 141.6    | 2662     | 1.4       | 15.6      | 7.8      | 598       | 1.79       | 3.4       | 0.9      | 1.4       | 0.4       |
| 11TB1047A | Skookum North | 624335 | 6990620 | WHI11001223-178 | 1.51    | 46.39    | 25.5     | 287.9    | 4559     | 1.4       | 20.7      | 20.4     | 3476      | 2.72       | 3.9       | 2        | 1.4       | 1.8       |
| 11AN0300A | Skookum North | 624126 | 6990662 | WHI11001434-083 | 0.39    | 14.58    | 4.8      | 44.2     | 70       | 1.4       | 10.1      | 6.4      | 388       | 1.6        | 3.2       | 0.5      | 1.4       | 1.2       |
| 11AN0302A | Skookum North | 624135 | 6990724 | WHI11001434-085 | 1.04    | 10.16    | 8.27     | 29.6     | 119      | 1.4       | 8.2       | 3.9      | 178       | 1.93       | 4.7       | 0.3      | 1.4       | 1.5       |
| 11AN0303A | Skookum North | 624129 | 6990764 | WHI11001434-086 | 0.9     | 11.56    | 6.92     | 42.5     | 136      | 0.4       | 8.4       | 5.7      | 260       | 2.33       | 3.7       | 0.3      | 0.4       | 0.2       |
| 11AN0304A | Skookum North | 624121 | 6990817 | WHI11001434-087 | 1.19    | 10.35    | 8.72     | 45.1     | 173      | 0.5       | 9.9       | 5.4      | 312       | 2.2        | 4.9       | 0.3      | 0.5       | 0.8       |
| 11AN0305A | Skookum North | 624125 | 6990864 | WHI11001434-088 | 1.05    | 10.34    | 7.54     | 41.1     | 88       | 0.6       | 9         | 4.7      | 363       | 1.81       | 4.1       | 0.2      | 0.6       | 0.2       |
| 11AN0306A | Skookum North | 624121 | 6990914 | WHI11001434-089 | 0.77    | 9.79     | 8.39     | 18.1     | 54       | 1.3       | 5.3       | 2.3      | 85        | 1.29       | 3.8       | 0.3      | 1.3       | 0.6       |
| 11AN0307A | Skookum North | 624121 | 6990964 | WHI11001434-090 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11AN0308A | Skookum North | 624119 | 6991014 | WHI11001434-091 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11AN0309A | Skookum North | 624118 | 6991064 | WHI11001434-092 | 0.53    | 14.43    | 4.64     | 13.6     | 193      | 1.5       | 4.6       | 1.7      | 48        | 0.68       | 1.3       | 0.4      | 1.5       | 0.049     |
| 11AN0310A | Skookum North | 624116 | 6991113 | WHI11001434-093 | 0.62    | 11.99    | 5.13     | 52.8     | 131      | 0.4       | 5.4       | 4.8      | 337       | 1.76       | 1.9       | 0.4      | 0.4       | 0.3       |
| 11AN0311A | Skookum North | 624114 | 6991163 | WHI11001434-094 | 0.58    | 14.51    | 5.36     | 64.1     | 141      | 1.1       | 11.3      | 8.9      | 767       | 2.35       | 3.5       | 0.8      | 1.1       | 1.1       |
| 11AN0312A | Skookum North | 624112 | 6991213 | WHI11001434-095 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11AN0313A | Skookum North | 624117 | 6991268 | WHI11001434-096 | 0.91    | 19.88    | 4.54     | 44.9     | 86       | 1.8       | 14        | 7        | 498       | 1.37       | 4.4       | 0.4      | 1.8       | 0.8       |
| 11AN0314A | Skookum North | 624080 | 6989412 | WHI11001434-097 | 1.48    | 12.24    | 7.08     | 47.5     | 366      | 22.5      | 15.4      | 9.7      | 223       | 2.28       | 4         | 0.5      | 22.5      | 0.4       |
| 11AN0315A | Skookum North | 624078 | 6989462 | WHI11001434-098 | 1.97    | 18.13    | 4.13     | 60.7     | 214      | 20.5      | 30.2      | 11.3     | 675       | 2.08       | 3         | 0.6      | 20.5      | 1         |
| 11AN0316A | Skookum North | 624076 | 6989512 | WHI11001434-099 | 6.48    | 23.19    | 5.24     | 52.4     | 244      | 2.4       | 11.9      | 10.1     | 2353      | 1.65       | 3.1       | 0.7      | 2.4       | 0.3       |
| 11AN0317A | Skookum North | 624075 | 6989562 | WHI11001434-100 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11AN0318A | Skookum North | 624068 | 6989616 | WHI11001434-101 | 2.12    | 20.26    | 4.94     | 67.4     | 269      | 3.6       | 13.3      | 12       | 365       | 2.73       | 4         | 0.6      | 3.6       | 1.1       |
| 11AN0319A | Skookum North | 624065 | 6989658 | WHI11001434-102 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11AN0320A | Skookum North | 624069 | 6989712 | WHI11001434-103 | 1.66    | 14.63    | 5.42     | 60.3     | 157      | 10        | 10.3      | 8.4      | 224       | 2.51       | 4.2       | 0.4      | 10        | 1         |
| 11AN0322A | Skookum North | 624067 | 6989761 | WHI11001434-105 | 1.65    | 13.7     | 5.63     | 65.8     | 172      | 4.2       | 13.1      | 10       | 268       | 2.42       | 3.7       | 0.5      | 4.2       | 1.4       |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|
| 11AN0323A | Skookum North | 624065 | 6989811 | WHI11001434-106 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11AN0324A | Skookum North | 624070 | 6989865 | WHI11001434-107 | 1.32     | 12.27    | 7.31     | 79.1     | 120      | 4.6      | 14.3     | 10.3     | 279      | 2.69        | 3.8      | 0.5     | 4.6      | 1.7      |
| 11AN0325A | Skookum North | 624061 | 6989911 | WHI11001434-108 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11AN0326A | Skookum North | 624059 | 6989961 | WHI11001434-109 | 1.32     | 13.99    | 6.55     | 58.5     | 173      | 2.2      | 10.5     | 10.1     | 323      | 2.4         | 3.8      | 0.6     | 2.2      | 1.3      |
| 11AN0327A | Skookum North | 624057 | 6990011 | WHI11001434-110 | 0.8      | 19.01    | 7.01     | 42.8     | 131      | 2.5      | 12.8     | 7        | 132      | 2.04        | 4.1      | 0.8     | 2.5      | 0.6      |
| 11AN0328A | Skookum North | 624055 | 6990061 | WHI11001434-111 | 0.85     | 11.51    | 5.8      | 43.4     | 96       | 1.9      | 10.5     | 5.9      | 147      | 1.8         | 4.1      | 0.5     | 1.9      | 0.9      |
| 11AN0329A | Skookum North | 624054 | 6990111 | WHI11001434-112 | 1.14     | 24.11    | 5.4      | 51.1     | 879      | 3.4      | 7.9      | 4.8      | 243      | 1.66        | 2.3      | 0.9     | 3.4      | 0.8      |
| 11CB0993A | Skookum North | 624433 | 6990724 | WHI11001223-304 | 1.57     | 49.49    | 16.55    | 148      | 3760     | 1.1      | 17.1     | 6.4      | 1971     | 1.66        | 1.8      | 1.1     | 1.1      | 0.3      |
| 11CB0994A | Skookum North | 624430 | 6990778 | WHI11001223-305 | 1.39     | 49.31    | 16.98    | 85.2     | 1167     | 1.5      | 19       | 6.9      | 847      | 2.38        | 3.1      | 1       | 1.5      | 1.5      |
| 11CB0995A | Skookum North | 624429 | 6990827 | WHI11001223-306 | 0.59     | 20.51    | 6.54     | 67.5     | 136      | 2.2      | 14.7     | 6.5      | 699      | 1.75        | 3.5      | 0.9     | 2.2      | 0.7      |
| 11CB0996A | Skookum North | 624425 | 6990875 | WHI11001223-307 | 0.61     | 17.82    | 5.93     | 61.7     | 96       | 1.4      | 12.1     | 5.9      | 720      | 1.49        | 2.9      | 0.8     | 1.4      | 0.6      |
| 11CB0997A | Skookum North | 624426 | 6990928 | WHI11001223-308 | 0.67     | 30.26    | 8.85     | 65.7     | 150      | 5.6      | 19       | 12.4     | 852      | 2.35        | 3.9      | 1.1     | 5.6      | 0.5      |
| 11CB0998A | Skookum North | 624423 | 6990976 | WHI11001223-309 | 0.84     | 15.97    | 5.82     | 50.9     | 69       | 0.6      | 11.5     | 6.9      | 551      | 1.44        | 2        | 0.7     | 0.6      | 0.7      |
| 11CB0999A | Skookum North | 624420 | 6991037 | WHI11001223-310 | 0.82     | 18.57    | 6.35     | 62.3     | 75       | 1.3      | 14.1     | 9.8      | 732      | 2.09        | 4.5      | 1       | 1.3      | 1.5      |
| 11CB1000A | Skookum North | 624440 | 6991090 | WHI11001223-311 | 1.08     | 9.79     | 7.95     | 100.2    | 48       | 0.099    | 13.4     | 9.6      | 2701     | 2.13        | 4.6      | 0.2     | 0.099    | 0.8      |
| 11CB1002A | Skookum North | 624406 | 6991127 | WHI11001223-313 | 0.39     | 8.21     | 4.63     | 95.7     | 301      | 0.4      | 5.9      | 3.1      | 3815     | 0.4         | 1.4      | 0.049   | 0.4      | 0.049    |
| 11CB1003A | Skookum North | 624409 | 6991175 | WHI11001223-314 | 1.01     | 11.55    | 4.29     | 23.6     | 24       | 0.099    | 5.7      | 2.2      | 65       | 0.77        | 1.2      | 0.1     | 0.099    | 0.049    |
| 11CB1004A | Skookum North | 624412 | 6991225 | WHI11001223-315 | 0.91     | 12.67    | 4.48     | 21.4     | 41       | 0.099    | 6.7      | 2.5      | 73       | 0.96        | 1.5      | 0.2     | 0.099    | 0.049    |
| 11CB1005A | Skookum North | 624407 | 6991278 | WHI11001223-316 | 0.75     | 19.38    | 5.36     | 28       | 202      | 1.4      | 9.6      | 3.7      | 141      | 1.93        | 3.3      | 1.2     | 1.4      | 0.049    |
| 11CB1006A | Skookum North | 624408 | 6991325 | WHI11001223-317 | 0.83     | 22.35    | 6.47     | 39.3     | 195      | 0.8      | 12.1     | 4.9      | 214      | 2.28        | 4.2      | 1.2     | 0.8      | 0.2      |
| 11CB1007A | Skookum North | 624406 | 6991381 | WHI11001223-318 | 0.88     | 15.27    | 5.96     | 62.2     | 99       | 2.7      | 17.7     | 8.6      | 350      | 2.38        | 6        | 0.7     | 2.7      | 1.7      |
| 11CB1008A | Skookum North | 624404 | 6991425 | WHI11001223-319 | 0.79     | 14.7     | 5.8      | 57.7     | 78       | 4        | 17.8     | 8.1      | 286      | 2.31        | 6.2      | 0.6     | 4        | 1.7      |
| 11CB1009A | Skookum North | 623984 | 6989407 | WHI11001223-320 | 6.62     | 15.77    | 2.94     | 28.2     | 189      | 10.3     | 10.9     | 8.7      | 4687     | 1.3         | 2.2      | 0.7     | 10.3     | 0.4      |
| 11CB1010A | Skookum North | 623979 | 6989458 | WHI11001224-001 | 7.71     | 16.42    | 2.57     | 35.3     | 185      | 15.3     | 10.1     | 9.1      | 6448     | 1.3         | 1.8      | 0.7     | 15.3     | 0.4      |
| 11CB1011A | Skookum North | 623984 | 6989515 | WHI11001224-002 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11CB1012A | Skookum North | 623980 | 6989558 | WHI11001224-003 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11CB1013A | Skookum North | 623978 | 6989610 | WHI11001224-004 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11CB1014A | Skookum North | 623966 | 6989658 | WHI11001224-005 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11CB1015A | Skookum North | 623966 | 6989707 | WHI11001224-006 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11CB1016A | Skookum North | 623967 | 6989758 | WHI11001224-007 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11CB1018A | Skookum North | 623966 | 6989854 | WHI11001224-116 | 2.03     | 13.76    | 5.66     | 52.3     | 94       | 3        | 13.8     | 7.9      | 197      | 2.3         | 3.8      | 0.6     | 3        | 0.7      |
| 11CB1019A | Skookum North | 623960 | 6989907 | WHI11001224-117 | 1.86     | 16.8     | 5.69     | 58.8     | 477      | 2.9      | 10.2     | 10.6     | 518      | 2.55        | 3.4      | 0.9     | 2.9      | 1        |
| 11CB1020A | Skookum North | 623952 | 6989968 | WHI11001224-118 | 2.96     | 33.36    | 6.17     | 246.5    | 1828     | 0.8      | 15.3     | 15.6     | 7151     | 2.52        | 2.5      | 0.9     | 0.8      | 2        |
| 11CB1022A | Skookum North | 623958 | 6990007 | WHI11001224-120 | 3.27     | 32.28    | 5.91     | 145.7    | 1304     | 1.2      | 16.3     | 11.7     | 1592     | 3.29        | 3.1      | 0.9     | 1.2      | 2.7      |
| 11CB1023A | Skookum North | 623956 | 6990057 | WHI11001224-121 | 3.08     | 27.65    | 6.06     | 95.8     | 1045     | 1.4      | 16.9     | 10       | 728      | 3.41        | 3.7      | 0.9     | 1.4      | 2.8      |
| 11CB1024A | Skookum North | 623954 | 6990107 | WHI11001224-122 | 3.48     | 31.76    | 6.06     | 114.2    | 1453     | 0.9      | 17.3     | 10.8     | 1112     | 3.31        | 3.3      | 1.1     | 0.9      | 2.9      |
| 11DS1011A | Skookum North | 624232 | 6990669 | WHI11001223-181 | 2.13     | 36.14    | 6.93     | 44.5     | 565      | 8.9      | 13.1     | 7.8      | 996      | 1.52        | 2.8      | 1.4     | 8.9      | 0.4      |
| 11DS1012A | Skookum North | 624232 | 6990718 | WHI11001223-182 | 1.1      | 20.34    | 4.75     | 36.3     | 450      | 2.8      | 12.7     | 8.2      | 2693     | 0.97        | 1.4      | 0.2     | 2.8      | 0.1      |
| 11DS1013A | Skookum North | 624229 | 6990764 | WHI11001223-183 | 0.97     | 19.51    | 6.14     | 32.6     | 90       | 1        | 10.6     | 4.2      | 680      | 1.23        | 1.2      | 0.2     | 1        | 0.049    |
| 11DS1014A | Skookum North | 624227 | 6990816 | WHI11001223-184 | 0.95     | 17.25    | 5.16     | 23.4     | 65       | 1.7      | 8.8      | 3.3      | 126      | 0.97        | 1.3      | 0.2     | 1.7      | 0.049    |
| 11DS1015A | Skookum North | 624225 | 6990865 | WHI11001223-185 | 0.81     | 15.64    | 4.04     | 16.4     | 307      | 2.3      | 6.7      | 2.1      | 58       | 0.82        | 1.5      | 0.2     | 2.3      | 0.049    |
| 11DS1016A | Skookum North | 624226 | 6990916 | WHI11001223-186 | 0.96     | 17.1     | 3.99     | 16.6     | 171      | 1.8      | 7.3      | 2.1      | 62       | 0.86        | 1.4      | 0.5     | 1.8      | 0.049    |
| 11DS1017A | Skookum North | 624226 | 6990967 | WHI11001223-187 | 0.72     | 27.57    | 7.56     | 12.7     | 109      | 1.8      | 6.5      | 1.8      | 52       | 0.99        | 0.8      | 0.8     | 1.8      | 0.049    |
| 11DS1018A | Skookum North | 624217 | 6991017 | WHI11001223-188 | 0.76     | 16.09    | 4.67     | 21.4     | 154      | 2.3      | 8.2      | 2.5      | 121      | 0.92        | 1.2      | 0.6     | 2.3      | 0.049    |
| 11DS1019A | Skookum North | 624218 | 6991066 | WHI11001223-189 | 0.57     | 11.75    | 5.47     | 38.8     | 201      | 3.3      | 7        | 5.5      | 261      | 1.59        | 1.5      | 1       | 3.3      | 0.049    |
| 11DS1020A | Skookum North | 624213 | 6991114 | WHI11001223-190 | 0.49     | 11.74    | 2.09     | 12.9     | 61       | 2        | 5.9      | 2.5      | 375      | 0.54        | 0.5      | 0.3     | 2        | 0.2      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11DS1022A | Skookum North | 624210 | 6991168 | WHI11001223-192 | 0.99    | 19.4     | 3.22     | 26.7     | 138      | 2.9       | 11.1      | 3.8      | 738       | 0.84       | 0.4       | 0.8      | 2.9       | 0.2       |
| 11DS1023A | Skookum North | 624215 | 6991215 | WHI11001223-193 | 0.62    | 20.87    | 3.3      | 28.8     | 160      | 2.2       | 14.7      | 21       | 967       | 1.08       | 1.6       | 1        | 2.2       | 0.049     |
| 11DS1024A | Skookum North | 624209 | 6991270 | WHI11001223-194 | 0.9     | 25.52    | 3.65     | 42.1     | 105      | 3.7       | 15.8      | 4.3      | 127       | 1.21       | 3.4       | 0.5      | 3.7       | 0.6       |
| 11DS1025A | Skookum North | 624201 | 6991317 | WHI11001223-195 | 0.69    | 37.61    | 3.75     | 57.1     | 78       | 3.3       | 19.2      | 4.5      | 323       | 1.03       | 3.3       | 2        | 3.3       | 0.5       |
| 11DS1026A | Skookum North | 623881 | 6989398 | WHI11001223-196 | 1.17    | 25.92    | 1.58     | 24.3     | 134      | 5.7       | 10        | 3.4      | 1104      | 0.51       | 0.7       | 0.3      | 5.7       | 0.2       |
| 11DS1027A | Skookum North | 623879 | 6989450 | WHI11001223-197 | 2.04    | 34.92    | 5.31     | 37.2     | 348      | 11.3      | 18        | 23.8     | 2446      | 2.08       | 2.8       | 0.8      | 11.3      | 0.5       |
| 11DS1028A | Skookum North | 623875 | 6989499 | WHI11001223-198 | 1.4     | 25.59    | 2.38     | 22       | 238      | 5         | 8.8       | 6        | 545       | 0.88       | 0.9       | 0.6      | 5         | 0.049     |
| 11DS1029A | Skookum North | 623871 | 6989553 | WHI11001223-199 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS1030A | Skookum North | 623886 | 6989596 | WHI11001223-200 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS1031A | Skookum North | 623851 | 6989675 | WHI11001223-201 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS1032A | Skookum North | 623849 | 6989714 | WHI11001223-202 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS1033A | Skookum North | 623862 | 6989754 | WHI11001223-203 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS1034A | Skookum North | 623863 | 6989803 | WHI11001223-204 | 1.63    | 34.24    | 5.36     | 35.2     | 1125     | 2.5       | 14.6      | 8.1      | 689       | 1.15       | 1.3       | 1.8      | 2.5       | 0.049     |
| 11DS1035A | Skookum North | 623854 | 6989853 | WHI11001223-205 | 1.92    | 39.66    | 7.54     | 39.3     | 978      | 0.9       | 14.6      | 5.1      | 238       | 1.44       | 1.6       | 1        | 0.9       | 0.049     |
| 11DS1036A | Skookum North | 623862 | 6989902 | WHI11001223-206 | 2.06    | 33.43    | 5.39     | 58       | 978      | 0.8       | 16.7      | 7.2      | 1368      | 1.55       | 1.6       | 0.8      | 0.8       | 0.049     |
| 11DS1037A | Skookum North | 623859 | 6989951 | WHI11001223-207 | 1.75    | 53.9     | 6.76     | 43.9     | 1892     | 0.8       | 20.1      | 16.1     | 1970      | 1.19       | 1.4       | 1        | 0.8       | 0.049     |
| 11DS1038A | Skookum North | 623861 | 6990005 | WHI11001223-208 | 2.39    | 13.57    | 5.17     | 44       | 717      | 2.1       | 8.8       | 6.4      | 934       | 1.8        | 2.6       | 0.7      | 2.1       | 0.7       |
| 11DS1039A | Skookum North | 623855 | 6990053 | WHI11001223-209 | 1.4     | 26.84    | 5.73     | 77.8     | 1197     | 0.8       | 24        | 8.1      | 5499      | 1.1        | 1.4       | 0.5      | 0.8       | 0.2       |
| 11TB1048A | Skookum North | 624333 | 6990671 | WHI11001223-179 | 1.07    | 32.32    | 20.38    | 75.6     | 2760     | 1.3       | 8.7       | 4.8      | 637       | 1.46       | 2.5       | 0.8      | 1.3       | 1.5       |
| 11TB1049A | Skookum North | 624335 | 6990726 | WHI11001223-180 | 0.74    | 12.12    | 8.26     | 39       | 342      | 2.8       | 6.5       | 2.9      | 472       | 1.38       | 2.2       | 0.2      | 2.8       | 1.1       |
| 11TB1050A | Skookum North | 624333 | 6990776 | WHI11001224-008 | 0.7     | 18.52    | 8.6      | 193.5    | 772      | 1.4       | 10.5      | 4.7      | 3822      | 1.38       | 2.1       | 0.3      | 1.4       | 0.9       |
| 11TB1051A | Skookum North | 624328 | 6990823 | WHI11001224-009 | 1.16    | 20.88    | 4.18     | 117.3    | 551      | 2.9       | 8.4       | 2.6      | 1783      | 0.59       | 1         | 0.2      | 2.9       | 0.049     |
| 11TB1052A | Skookum North | 624325 | 6990870 | WHI11001224-010 | 0.69    | 17.16    | 4.73     | 27       | 309      | 2.3       | 5.5       | 1.9      | 63        | 0.93       | 1.3       | 0.3      | 2.3       | 0.049     |
| 11TB1053A | Skookum North | 624326 | 6990922 | WHI11001224-011 | 0.77    | 30.44    | 6.05     | 199.9    | 473      | 2         | 11.5      | 3.7      | 3799      | 1.11       | 1.5       | 0.4      | 2         | 0.049     |
| 11TB1054A | Skookum North | 624318 | 6990972 | WHI11001224-012 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB1055A | Skookum North | 624319 | 6991019 | WHI11001224-013 | 0.67    | 13.94    | 5.26     | 51.1     | 91       | 2.2       | 10.4      | 6.6      | 307       | 2          | 3         | 0.7      | 2.2       | 0.7       |
| 11TB1056A | Skookum North | 624317 | 6991074 | WHI11001224-014 | 0.69    | 20.42    | 6.39     | 51.8     | 156      | 3.2       | 11.3      | 6.1      | 209       | 2.02       | 3.2       | 0.7      | 3.2       | 0.6       |
| 11TB1057A | Skookum North | 624311 | 6991120 | WHI11001224-015 | 1.41    | 21.81    | 5.44     | 56.1     | 110      | 4.7       | 9.8       | 16.2     | 1066      | 2.72       | 3.1       | 1        | 4.7       | 0.7       |
| 11TB1058A | Skookum North | 624309 | 6991186 | WHI11001224-016 | 0.81    | 24.83    | 7.51     | 33.6     | 248      | 2.9       | 13.4      | 8.4      | 108       | 1.62       | 2.9       | 0.6      | 2.9       | 0.049     |
| 11TB1059A | Skookum North | 624313 | 6991225 | WHI11001224-017 | 0.98    | 21.58    | 6.25     | 36.1     | 118      | 3.8       | 12        | 5        | 153       | 1.77       | 4.1       | 0.7      | 3.8       | 0.049     |
| 11TB1060A | Skookum North | 624302 | 6991283 | WHI11001224-018 | 0.82    | 13.07    | 4.74     | 37.9     | 64       | 3         | 12        | 5.8      | 178       | 1.56       | 3.4       | 0.6      | 3         | 0.6       |
| 11TB1062A | Skookum North | 624303 | 6991322 | WHI11001224-020 | 0.73    | 16.67    | 6.14     | 65.6     | 51       | 3.3       | 17.1      | 8.9      | 381       | 2.14       | 6.6       | 0.5      | 3.3       | 2.5       |
| 11TB1063A | Skookum North | 624297 | 6991377 | WHI11001224-021 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB1064A | Skookum North | 623784 | 6989398 | WHI11001224-022 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB1065A | Skookum North | 623783 | 6989453 | WHI11001224-023 | 1.02    | 23.79    | 5.14     | 57.7     | 314      | 5.5       | 14.3      | 9        | 348       | 1.83       | 2.3       | 0.9      | 5.5       | 0.4       |
| 11TB1066A | Skookum North | 623783 | 6989504 | WHI11001224-024 | 0.84    | 17.38    | 2.6      | 36.5     | 229      | 5.7       | 7.5       | 4.4      | 397       | 0.89       | 0.5       | 0.4      | 5.7       | 0.2       |
| 11TB1067A | Skookum North | 623783 | 6989548 | WHI11001224-025 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB1068A | Skookum North | 623772 | 6989607 | WHI11001224-026 | 1.48    | 16.65    | 5.09     | 86       | 254      | 2         | 14        | 10.5     | 466       | 3.23       | 3.2       | 0.6      | 2         | 2.6       |
| 11TB1069A | Skookum North | 623775 | 6989652 | WHI11001224-027 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB1070A | Skookum North | 623767 | 6989700 | WHI11001224-028 | 1.82    | 18.98    | 4.33     | 37.2     | 925      | 3.4       | 7         | 7.4      | 271       | 1.7        | 2.1       | 1        | 3.4       | 0.049     |
| 11TB1071A | Skookum North | 623769 | 6989742 | WHI11001224-029 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB1072A | Skookum North | 623769 | 6989800 | WHI11001224-030 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB1073A | Skookum North | 623773 | 6989855 | WHI11001224-031 | 1.62    | 39.85    | 8.54     | 98.3     | 2412     | 3.7       | 15.7      | 10.8     | 1984      | 1.5        | 1.5       | 1.1      | 3.7       | 0.2       |
| 11TB1074A | Skookum North | 623764 | 6989894 | WHI11001224-032 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB1075A | Skookum North | 623757 | 6989946 | WHI11001224-033 | 1.39    | 20.56    | 5.14     | 36.3     | 619      | 2.4       | 12.4      | 9.4      | 724       | 2.11       | 1.8       | 0.4      | 2.4       | 0.5       |
| 11TB1076A | Skookum North | 623769 | 6989996 | WHI11001224-034 | 1.02    | 21.1     | 5.66     | 80.6     | 1864     | 1.5       | 10.3      | 12.8     | 4620      | 1.34       | 1.1       | 0.2      | 1.5       | 0.4       |



| Sample No | Area          | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11TB1077A | Skookum North | 623760 | 6990043 | WHI11001224-035 | 1.28     | 17.18    | 5.85     | 24       | 1011     | 3.5       | 10.7      | 7.3      | 360       | 1.55       | 2.9       | 0.2      | 3.5       | 0.4       |
| 11AN0330A | Skookum North | 624040 | 6990161 | WHI11001434-113 | 2.26     | 35.05    | 7.73     | 91.1     | 1489     | 2.6       | 16.1      | 12.1     | 530       | 3.86       | 5.6       | 1.2      | 2.6       | 3.1       |
| 11AN0331A | Skookum North | 624050 | 6990211 | WHI11001434-114 | 1.16     | 37.67    | 8.44     | 67.6     | 745      | 2.9       | 14.3      | 9.6      | 668       | 2.8        | 4.1       | 1        | 2.9       | 2.1       |
| 11AN0332A | Skookum North | 624042 | 6990262 | WHI11001434-115 | 1.12     | 15.06    | 6.55     | 51.7     | 627      | 0.8       | 6.4       | 5.6      | 196       | 1.85       | 2.5       | 0.5      | 0.8       | 0.1       |
| 11AN0333A | Skookum North | 624046 | 6990310 | WHI11001434-116 | 1.11     | 28.42    | 7.88     | 32.8     | 1489     | 2.5       | 9         | 4        | 557       | 1.23       | 2.2       | 0.7      | 2.5       | 0.049     |
| 11AN0334A | Skookum North | 624044 | 6990360 | WHI11001434-117 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11AN0335A | Skookum North | 624036 | 6990411 | WHI11001434-118 | 1.02     | 65.32    | 8.86     | 66.4     | 1538     | 4.6       | 14.6      | 14.7     | 768       | 2.21       | 3.7       | 1.9      | 4.6       | 0.5       |
| 11AN0336A | Skookum North | 624040 | 6990460 | WHI11001434-119 | 2.49     | 30.87    | 14.71    | 101.6    | 1092     | 5.3       | 11.1      | 23.4     | 2329      | 3.33       | 4.9       | 1.9      | 5.3       | 1.9       |
| 11AN0337A | Skookum North | 624038 | 6990510 | WHI11001434-120 | 3.57     | 18.79    | 37.73    | 128.8    | 957      | 4.7       | 9.3       | 27.5     | 1947      | 3.38       | 4.3       | 1.1      | 4.7       | 1.7       |
| 11AN0338A | Skookum North | 624038 | 6990565 | WHI11001434-121 | 0.98     | 28.18    | 13.08    | 87.9     | 216      | 3.5       | 13.5      | 11.4     | 582       | 2.12       | 4.2       | 0.9      | 3.5       | 1.4       |
| 11AN0339A | Skookum North | 624035 | 6990610 | WHI11001434-122 | 1.35     | 33.47    | 10.98    | 90.9     | 617      | 5.2       | 13.6      | 13.3     | 1133      | 2.02       | 5         | 0.9      | 5.2       | 0.9       |
| 11AN0340A | Skookum North | 624033 | 6990660 | WHI11001434-123 | 0.38     | 27.79    | 0.99     | 7.7      | 90       | 0.3       | 8.7       | 3.1      | 837       | 0.43       | 1.3       | 1.8      | 0.3       | 0.2       |
| 11AN0342A | Skookum North | 624031 | 6990710 | WHI11001434-125 | 1.2      | 13.38    | 6.55     | 51.3     | 262      | 0.099     | 7.3       | 4.1      | 309       | 1.67       | 3.2       | 0.5      | 0.099     | 1.7       |
| 11AN0343A | Skookum North | 624029 | 6990760 | WHI11001434-126 | 0.86     | 22.52    | 8.49     | 61.7     | 460      | 0.3       | 20.8      | 8.9      | 797       | 2.35       | 5.5       | 0.8      | 0.3       | 1.9       |
| 11AN0344A | Skookum North | 624027 | 6990810 | WHI11001434-127 | 1.04     | 10.81    | 7.66     | 42.9     | 82       | 1.1       | 10.6      | 6.1      | 257       | 2.32       | 5.5       | 0.3      | 1.1       | 1.2       |
| 11AN0345A | Skookum North | 624025 | 6990860 | WHI11001434-128 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11AN0346A | Skookum North | 624024 | 6990916 | WHI11001434-129 | 0.86     | 42.68    | 8.08     | 28.6     | 151      | 1.1       | 13.8      | 4.4      | 134       | 1.44       | 3.2       | 1.3      | 1.1       | 0.1       |
| 11AN0347A | Skookum North | 624020 | 6990960 | WHI11001434-130 | 1.08     | 12.91    | 7.25     | 49.6     | 247      | 0.5       | 11.2      | 13       | 1209      | 1.51       | 3         | 0.3      | 0.5       | 0.6       |
| 11AN0348A | Skookum North | 624018 | 6991010 | WHI11001434-131 | 0.38     | 10.44    | 4.69     | 26       | 158      | 1.5       | 3.5       | 1.5      | 81        | 0.76       | 1.2       | 0.2      | 1.5       | 0.2       |
| 11AN0349A | Skookum North | 624018 | 6991060 | WHI11001434-132 | 0.56     | 12.65    | 6.25     | 31       | 82       | 1.4       | 6.3       | 3.2      | 146       | 1.38       | 2.9       | 0.3      | 1.4       | 0.2       |
| 11AN0350A | Skookum North | 624016 | 6991110 | WHI11001434-133 | 0.67     | 26.27    | 7.42     | 31.7     | 315      | 0.9       | 9.5       | 4.3      | 129       | 1.51       | 2.4       | 0.7      | 0.9       | 0.049     |
| 11AN0351A | Skookum North | 624007 | 6991159 | WHI11001223-051 | 0.66     | 21.98    | 3.87     | 26.5     | 117      | 7.4       | 10        | 3.9      | 517       | 1.04       | 2.9       | 0.8      | 7.4       | 0.4       |
| 11AN0352A | Skookum North | 624012 | 6991210 | WHI11001223-052 | 1.19     | 18.53    | 8.09     | 48       | 127      | 1.7       | 13        | 10.4     | 717       | 1.76       | 4.4       | 0.8      | 1.7       | 0.4       |
| 11CB1025A | Skookum North | 623949 | 6990155 | WHI11001224-123 | 4.81     | 22.03    | 5.84     | 56.6     | 3955     | 0.4       | 11.7      | 19.3     | 8713      | 2.37       | 1.5       | 0.5      | 0.4       | 0.6       |
| 11CB1026A | Skookum North | 623952 | 6990209 | WHI11001224-124 | 2.3      | 14.9     | 4.73     | 254.4    | 1287     | 0.5       | 10.1      | 12.8     | 10000.1   | 1.46       | 1.6       | 0.2      | 0.5       | 0.3       |
| 11CB1027A | Skookum North | 623946 | 6990257 | WHI11001224-125 | 1.12     | 19.52    | 5.84     | 34.7     | 1064     | 0.3       | 7.9       | 3.1      | 216       | 0.96       | 1         | 0.4      | 0.3       | 0.049     |
| 11CB1028A | Skookum North | 623945 | 6990308 | WHI11001224-126 | 1.17     | 16.05    | 4.3      | 28       | 1526     | 0.7       | 7.1       | 3        | 207       | 0.77       | 0.7       | 0.6      | 0.7       | 0.049     |
| 11CB1029A | Skookum North | 623942 | 6990359 | WHI11001224-127 | 1.2      | 21.73    | 6.18     | 37.1     | 3914     | 2.9       | 7.1       | 3.6      | 218       | 1.31       | 1.1       | 1.2      | 2.9       | 0.1       |
| 11CB1030A | Skookum North | 623940 | 6990409 | WHI11001224-128 | 1.5      | 26.94    | 8.32     | 38.3     | 1371     | 1.8       | 8         | 2.9      | 142       | 1.26       | 1.1       | 0.9      | 1.8       | 0.049     |
| 11CB1031A | Skookum North | 623942 | 6990460 | WHI11001224-129 | 1.94     | 59.94    | 20.37    | 61.2     | 2196     | 5         | 15.4      | 3.4      | 124       | 1.41       | 1.5       | 1.2      | 5         | 0.1       |
| 11CB1032A | Skookum North | 623939 | 6990506 | WHI11001224-130 | 2.03     | 36.41    | 14.24    | 57.2     | 2035     | 3.5       | 10.1      | 3.1      | 148       | 1.35       | 1.5       | 1        | 3.5       | 0.049     |
| 11CB1033A | Skookum North | 623938 | 6990557 | WHI11001224-131 | 1.17     | 57.99    | 212.66   | 316.9    | 4891     | 11        | 15.9      | 18.7     | 1224      | 3.4        | 2.3       | 4        | 11        | 3.4       |
| 11CB1034A | Skookum North | 623936 | 6990609 | WHI11001224-132 | 0.82     | 27.17    | 20.75    | 106.5    | 1133     | 4.5       | 11.8      | 11.9     | 756       | 2.13       | 2.3       | 1.1      | 4.5       | 0.8       |
| 11CB1035A | Skookum North | 623934 | 6990663 | WHI11001224-133 | 1.01     | 36.65    | 20.51    | 82.6     | 1012     | 5.4       | 11.9      | 7.5      | 472       | 1.92       | 2.7       | 1.6      | 5.4       | 0.7       |
| 11CB1036A | Skookum North | 623931 | 6990706 | WHI11001224-134 | 0.88     | 44.37    | 26.99    | 112.5    | 1404     | 6.4       | 15.9      | 10.5     | 568       | 2.78       | 3.7       | 2        | 6.4       | 1.1       |
| 11CB1037A | Skookum North | 623931 | 6990763 | WHI11001224-135 | 0.58     | 16.23    | 2.8      | 29.1     | 87       | 0.9       | 9.5       | 3.9      | 460       | 0.91       | 1.4       | 0.4      | 0.9       | 0.2       |
| 11CB1038A | Skookum North | 623928 | 6990803 | WHI11001224-136 | 0.61     | 13.8     | 2.59     | 43.2     | 72       | 1.8       | 8.3       | 4.7      | 778       | 1.07       | 1.7       | 0.4      | 1.8       | 0.1       |
| 11CB1039A | Skookum North | 623919 | 6990856 | WHI11001224-137 | 0.6      | 12.07    | 2.47     | 42.5     | 58       | 0.2       | 6.7       | 3.6      | 788       | 0.81       | 1.3       | 0.3      | 0.2       | 0.049     |
| 11CB1040A | Skookum North | 623919 | 6990911 | WHI11001224-138 | 0.87     | 13.58    | 8.93     | 69.4     | 308      | 0.8       | 12.1      | 7.2      | 1596      | 2.78       | 4.7       | 0.3      | 0.8       | 1.8       |
| 11CB1042A | Skookum North | 623924 | 6990958 | WHI11001224-140 | 1.02     | 14.49    | 9.42     | 81.8     | 570      | 1         | 13.3      | 8.9      | 1755      | 2.73       | 5.8       | 0.3      | 1         | 1.7       |
| 11CB1043A | Skookum North | 623925 | 6991001 | WHI11001224-141 | 1.05     | 11.7     | 9.07     | 47.3     | 272      | 0.9       | 10.4      | 7.6      | 920       | 2.4        | 5.9       | 0.2      | 0.9       | 1.5       |
| 11CB1044A | Skookum North | 623922 | 6991065 | WHI11001224-142 | 0.76     | 81.98    | 7.3      | 57.5     | 428      | 2.2       | 25.5      | 18.8     | 1906      | 2.27       | 4.2       | 1.4      | 2.2       | 0.1       |
| 11CB1045A | Skookum North | 623921 | 6991108 | WHI11001224-143 | 0.64     | 30.15    | 3.99     | 29.3     | 145      | 0.9       | 20.6      | 7.6      | 315       | 1.47       | 3.9       | 0.7      | 0.9       | 0.2       |
| 11CB1046A | Skookum North | 623911 | 6991154 | WHI11001224-144 | 0.96     | 15.64    | 7.02     | 62.9     | 90       | 4.2       | 17.7      | 12.4     | 1125      | 2.27       | 7.8       | 0.6      | 4.2       | 2.1       |
| 11CB1047A | Skookum North | 623909 | 6991209 | WHI11001224-145 | 0.98     | 15.32    | 6.33     | 46.4     | 126      | 2         | 16.7      | 7.7      | 309       | 1.9        | 6.1       | 0.5      | 2         | 1.2       |
| 11DS1040A | Skookum North | 623851 | 6990099 | WHI11001223-210 | 2.59     | 16.3     | 6.82     | 210.1    | 634      | 1.2       | 12.4      | 8.6      | 7262      | 1.05       | 1.2       | 0.3      | 1.2       | 0.2       |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|
| 11DS1042A | Skookum North | 623856 | 6990148 | WHI11001223-212 | 2.05     | 24.31    | 8.71     | 73.4     | 2675     | 1.7      | 17.8     | 16.5     | 6465     | 1.61        | 1.7      | 0.4     | 1.7      | 0.2      |
| 11DS1043A | Skookum North | 623845 | 6990199 | WHI11001223-213 | 2.65     | 21.51    | 5.24     | 36.7     | 4964     | 0.099    | 11.3     | 3.4      | 361      | 0.66        | 1        | 0.3     | 0.099    | 0.049    |
| 11DS1044A | Skookum North | 623849 | 6990249 | WHI11001223-214 | 2.52     | 22.05    | 9.1      | 93.2     | 4329     | 1.7      | 9.5      | 14.7     | 9891     | 1.27        | 1.7      | 0.5     | 1.7      | 0.049    |
| 11DS1045A | Skookum North | 623844 | 6990301 | WHI11001223-215 | 1.36     | 26.82    | 4.47     | 22.7     | 2625     | 5.6      | 8.6      | 3        | 146      | 0.85        | 1.1      | 0.8     | 5.6      | 0.049    |
| 11DS1046A | Skookum North | 623843 | 6990350 | WHI11001223-216 | 1.95     | 22.58    | 4.95     | 64.3     | 2923     | 0.2      | 9.8      | 2.7      | 198      | 0.64        | 1        | 0.2     | 0.2      | 0.049    |
| 11DS1047A | Skookum North | 623846 | 6990394 | WHI11001223-217 | 2.44     | 36.42    | 13.06    | 31.7     | 2210     | 0.9      | 11.5     | 4.3      | 93       | 0.71        | 0.7      | 0.8     | 0.9      | 0.049    |
| 11DS1048A | Skookum North | 623844 | 6990447 | WHI11001223-218 | 1.97     | 38.6     | 26.48    | 47       | 6856     | 0.8      | 10.2     | 5.3      | 231      | 1.05        | 1.9      | 1       | 0.8      | 0.049    |
| 11DS1049A | Skookum North | 623836 | 6990495 | WHI11001223-219 | 1.04     | 39.22    | 79.77    | 141.7    | 1771     | 10.1     | 13.5     | 20.4     | 2368     | 3.19        | 2.2      | 1.9     | 10.1     | 1.6      |
| 11DS1050A | Skookum North | 623835 | 6990549 | WHI11001223-220 | 1.2      | 24.33    | 71.91    | 149.4    | 1203     | 52.1     | 10.1     | 8.2      | 2474     | 1.47        | 1.3      | 0.6     | 52.1     | 0.3      |
| 11DS1051A | Skookum North | 623833 | 6990596 | WHI11001223-221 | 1.43     | 38.32    | 41.49    | 36.8     | 1778     | 1.2      | 10.9     | 4.7      | 164      | 1.18        | 2.2      | 1.5     | 1.2      | 0.2      |
| 11DS1052A | Skookum North | 623833 | 6990649 | WHI11001223-222 | 1.99     | 46.04    | 11.25    | 37       | 1270     | 0.099    | 14.6     | 4.9      | 130      | 0.86        | 1.1      | 0.9     | 0.099    | 0.049    |
| 11DS1053A | Skookum North | 623830 | 6990698 | WHI11001223-223 | 1.1      | 19.47    | 12.86    | 40.6     | 1309     | 0.7      | 6.9      | 22.9     | 1672     | 1           | 1.5      | 1.3     | 0.7      | 0.049    |
| 11DS1054A | Skookum North | 623828 | 6990751 | WHI11001223-224 | 0.73     | 24.78    | 7.28     | 43.2     | 668      | 0.4      | 10.1     | 8.9      | 514      | 1.18        | 1.7      | 1       | 0.4      | 0.1      |
| 11DS1055A | Skookum North | 623829 | 6990797 | WHI11001223-225 | 0.77     | 15.3     | 6.14     | 51.6     | 144      | 0.8      | 7.6      | 6.4      | 698      | 1.24        | 2.7      | 0.7     | 0.8      | 0.5      |
| 11DS1056A | Skookum North | 623826 | 6990848 | WHI11001223-226 | 0.71     | 21.47    | 2.97     | 27.9     | 113      | 1.3      | 7.2      | 3.4      | 451      | 0.8         | 1.7      | 0.5     | 1.3      | 0.3      |
| 11DS1057A | Skookum North | 623821 | 6990900 | WHI11001223-227 | 0.63     | 17.77    | 1.89     | 6        | 88       | 0.099    | 4        | 1.5      | 166      | 0.28        | 0.9      | 0.2     | 0.099    | 0.1      |
| 11DS1058A | Skookum North | 623826 | 6990952 | WHI11001223-228 | 0.74     | 19.65    | 4.39     | 27.6     | 170      | 1.4      | 10.4     | 7.6      | 227      | 1.62        | 2.6      | 0.5     | 1.4      | 0.3      |
| 11DS1059A | Skookum North | 623822 | 6991008 | WHI11001223-229 | 0.83     | 15.31    | 6.98     | 52.6     | 295      | 0.099    | 13       | 10.8     | 1651     | 1.95        | 3.5      | 0.3     | 0.099    | 0.4      |
| 11DS1060A | Skookum North | 623812 | 6991050 | WHI11001223-230 | 0.69     | 22.69    | 5.85     | 47.8     | 82       | 0.8      | 13.2     | 5        | 195      | 1.65        | 3.4      | 0.6     | 0.8      | 0.2      |
| 11DS1062A | Skookum North | 623814 | 6991104 | WHI11001223-002 | 0.77     | 16.76    | 3.57     | 27.4     | 268      | 1.1      | 9.8      | 4        | 109      | 0.9         | 2.2      | 0.4     | 1.1      | 0.049    |
| 11DS1063A | Skookum North | 623814 | 6991147 | WHI11001223-003 | 1.04     | 18.84    | 4.38     | 30.1     | 142      | 2.9      | 10.2     | 2.9      | 109      | 0.74        | 1.7      | 0.4     | 2.9      | 0.2      |
| 11DS1064A | Skookum North | 623809 | 6991200 | WHI11001223-004 | 0.81     | 22.92    | 5.71     | 47.3     | 114      | 2.9      | 17.1     | 11.5     | 740      | 1.79        | 4.5      | 0.8     | 2.9      | 0.8      |
| 11DS1065A | Skookum North | 623810 | 6991242 | WHI11001223-005 | 0.36     | 12.74    | 5.84     | 63.3     | 50       | 1.8      | 13.3     | 8.8      | 580      | 1.73        | 2.8      | 1.1     | 1.8      | 1.4      |
| 11TB1078A | Skookum North | 623756 | 6990103 | WHI11001224-036 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11TB1079A | Skookum North | 623744 | 6990145 | WHI11001224-037 | 0.76     | 14.42    | 6.22     | 73.7     | 1583     | 2.3      | 7.4      | 10.1     | 2943     | 1.5         | 1.5      | 0.2     | 2.3      | 0.7      |
| 11TB1080A | Skookum North | 623750 | 6990198 | WHI11001224-038 | 0.64     | 15.22    | 5.04     | 101.7    | 1072     | 2.6      | 8.2      | 4.9      | 1703     | 1.12        | 1.2      | 0.2     | 2.6      | 0.5      |
| 11TB1082A | Skookum North | 623748 | 6990243 | WHI11001224-040 | 0.65     | 6.72     | 4.4      | 27.4     | 783      | 5.3      | 4.8      | 3.2      | 117      | 1.11        | 1.1      | 0.2     | 5.3      | 0.2      |
| 11TB1083A | Skookum North | 623732 | 6990298 | WHI11001224-041 | 0.5      | 50.77    | 6.69     | 30.8     | 1570     | 4.2      | 10.1     | 5.2      | 108      | 1.76        | 1.3      | 1       | 4.2      | 0.3      |
| 11TB1084A | Skookum North | 623745 | 6990343 | WHI11001224-042 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11TB1085A | Skookum North | 623735 | 6990396 | WHI11001224-043 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11TB1086A | Skookum North | 623735 | 6990440 | WHI11001224-044 | 0.96     | 19.53    | 4.31     | 42.6     | 731      | 2.9      | 7.9      | 5.8      | 1018     | 1.39        | 1.5      | 0.5     | 2.9      | 0.6      |
| 11TB1087A | Skookum North | 623736 | 6990502 | WHI11001224-045 | 0.85     | 19.61    | 59.46    | 106.1    | 906      | 5.2      | 7.2      | 2.5      | 935      | 0.98        | 1.3      | 0.4     | 5.2      | 0.4      |
| 11TB1088A | Skookum North | 623736 | 6990548 | WHI11001224-046 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11TB1089A | Skookum North | 623732 | 6990596 | WHI11001224-047 | 1.01     | 20.6     | 7.18     | 38.3     | 440      | 2.6      | 6        | 2.3      | 164      | 0.78        | 0.7      | 0.5     | 2.6      | 0.049    |
| 11TB1090A | Skookum North | 623732 | 6990645 | WHI11001224-048 | 1.11     | 40.02    | 15.75    | 32.9     | 1260     | 2.8      | 9.8      | 3.6      | 87       | 1.14        | 0.9      | 0.8     | 2.8      | 0.049    |
| 11TB1091A | Skookum North | 623734 | 6990694 | WHI11001224-049 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11TB1092A | Skookum North | 623734 | 6990753 | WHI11001224-050 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11TB1093A | Skookum North | 623731 | 6990796 | WHI11001224-051 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11TB1094A | Skookum North | 623725 | 6990843 | WHI11001224-052 | 0.57     | 25.82    | 2.64     | 31       | 298      | 4        | 7.7      | 4.6      | 629      | 0.69        | 0.7      | 1.3     | 4        | 0.2      |
| 11TB1095A | Skookum North | 623727 | 6990897 | WHI11001224-053 | 0.56     | 11.73    | 6.69     | 58       | 148      | 5.3      | 8.4      | 6.7      | 558      | 1.75        | 1.7      | 0.7     | 5.3      | 0.8      |
| 11TB1096A | Skookum North | 623723 | 6990947 | WHI11001224-054 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11TB1097A | Skookum North | 623726 | 6990998 | WHI11001224-055 | 0.6      | 26.13    | 5.55     | 45.9     | 90       | 2.9      | 15.8     | 6.7      | 368      | 1.71        | 4        | 0.6     | 2.9      | 0.7      |
| 11TB1098A | Skookum North | 623717 | 6991044 | WHI11001224-056 | 0.67     | 24.74    | 6.66     | 70.6     | 38       | 2.4      | 19.4     | 8        | 265      | 2.05        | 5.8      | 0.7     | 2.4      | 1.6      |
| 11TB1099A | Skookum North | 623712 | 6991109 | WHI11001224-057 | 0.85     | 25.84    | 5.32     | 53.9     | 115      | 1.8      | 18.1     | 7.2      | 282      | 1.61        | 4.3      | 0.5     | 1.8      | 0.6      |
| 11TB1100A | Skookum North | 623709 | 6991152 | WHI11001224-058 | 1.07     | 24.45    | 4.53     | 49.1     | 119      | 2.4      | 15.3     | 6.6      | 394      | 1.27        | 3.4      | 0.4     | 2.4      | 0.3      |
| 11TB1102A | Skookum North | 623702 | 6991198 | WHI11001224-158 | 0.9      | 24.82    | 5.72     | 62.8     | 114      | 1.9      | 20       | 9        | 488      | 1.9         | 4.6      | 0.5     | 1.9      | 1        |



| Sample No | Area          | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11AN0353A | Skookum North | 623681 | 6989393 | WHI11001223-053 | 0.74     | 19.04    | 6.67     | 29.6     | 363      | 1.3       | 8.1       | 3.5      | 81        | 0.93       | 1.7       | 0.5      | 1.3       | 0.049     |
| 11AN0354A | Skookum North | 623679 | 6989443 | WHI11001223-054 | 0.72     | 22.65    | 6.72     | 34.8     | 189      | 2.5       | 7.7       | 4.9      | 116       | 1.6        | 2.3       | 0.5      | 2.5       | 0.5       |
| 11AN0355A | Skookum North | 623677 | 6989493 | WHI11001223-055 | 0.63     | 24.51    | 3.23     | 27.1     | 864      | 2.6       | 6.6       | 4.8      | 216       | 1.03       | 1.4       | 1.4      | 2.6       | 0.049     |
| 11AN0356A | Skookum North | 623675 | 6989543 | WHI11001223-056 | 0.79     | 44.86    | 6.5      | 38.6     | 928      | 2.1       | 13.6      | 5.7      | 154       | 1.17       | 1.4       | 1.7      | 2.1       | 0.049     |
| 11AN0357A | Skookum North | 623673 | 6989593 | WHI11001223-057 | 0.74     | 43.12    | 5.87     | 57.7     | 491      | 2.9       | 14.3      | 7.6      | 189       | 1.88       | 3.2       | 1        | 2.9       | 0.3       |
| 11AN0358A | Skookum North | 623671 | 6989643 | WHI11001223-058 | 0.92     | 29.39    | 7.57     | 73.1     | 702      | 3.8       | 16.4      | 8.5      | 219       | 2.79       | 5.2       | 1.8      | 3.8       | 1.2       |
| 11AN0359A | Skookum North | 623669 | 6989693 | WHI11001223-059 | 0.7      | 27.9     | 5.53     | 54.2     | 422      | 1.9       | 11.7      | 6.9      | 160       | 1.62       | 2.9       | 1.1      | 1.9       | 0.2       |
| 11AN0360A | Skookum North | 623668 | 6989743 | WHI11001223-060 | 0.66     | 26.17    | 6.8      | 57.5     | 277      | 1.2       | 13.1      | 7.2      | 196       | 1.97       | 3.1       | 1.1      | 1.2       | 0.9       |
| 11AN0362A | Skookum North | 623666 | 6989793 | WHI11001223-062 | 0.89     | 48.1     | 8.2      | 45.4     | 890      | 2         | 16.2      | 6.8      | 212       | 1.62       | 2.6       | 1        | 2         | 0.4       |
| 11AN0363A | Skookum North | 623664 | 6989843 | WHI11001223-063 | 0.81     | 25.8     | 6.91     | 42.5     | 354      | 1.4       | 11.6      | 6.3      | 213       | 1.62       | 3.4       | 0.8      | 1.4       | 0.2       |
| 11AN0364A | Skookum North | 623658 | 6989893 | WHI11001223-064 | 0.73     | 18.79    | 7.26     | 28.2     | 291      | 1         | 7.3       | 3.3      | 122       | 0.92       | 2.5       | 0.4      | 1         | 0.049     |
| 11AN0365A | Skookum North | 623652 | 6989941 | WHI11001223-065 | 0.68     | 15.7     | 5.8      | 18.6     | 837      | 1.1       | 7.6       | 2.9      | 61        | 0.79       | 1.5       | 0.3      | 1.1       | 0.049     |
| 11AN0366A | Skookum North | 623658 | 6989993 | WHI11001223-066 | 0.82     | 12.2     | 7.4      | 35.9     | 635      | 0.8       | 8.5       | 6        | 329       | 2.02       | 3.6       | 0.3      | 0.8       | 0.7       |
| 11AN0367A | Skookum North | 623656 | 6990043 | WHI11001223-067 | 0.83     | 11.04    | 8.6      | 19.4     | 307      | 1         | 5.6       | 2.5      | 72        | 1.22       | 3.3       | 0.3      | 1         | 0.2       |
| 11AN0368A | Skookum North | 623654 | 6990093 | WHI11001223-068 | 0.63     | 16.56    | 7.84     | 47.4     | 206      | 2.8       | 11.5      | 5.7      | 172       | 1.8        | 4.9       | 0.5      | 2.8       | 0.6       |
| 11AN0369A | Skookum North | 623652 | 6990143 | WHI11001223-069 | 0.78     | 22.18    | 6.07     | 19.9     | 998      | 0.7       | 7.4       | 2.3      | 71        | 0.71       | 1.3       | 0.3      | 0.7       | 0.049     |
| 11AN0370A | Skookum North | 623650 | 6990193 | WHI11001223-070 | 0.98     | 26.5     | 6.35     | 33.8     | 811      | 0.8       | 11.3      | 5.4      | 185       | 1.56       | 2.6       | 0.4      | 0.8       | 0.2       |
| 11AN0371A | Skookum North | 623649 | 6990243 | WHI11001223-071 | 0.99     | 18.66    | 5.47     | 25.5     | 272      | 0.5       | 5         | 2.8      | 133       | 0.91       | 0.9       | 0.3      | 0.5       | 0.049     |
| 11AN0372A | Skookum North | 623647 | 6990293 | WHI11001223-072 | 1.07     | 20.59    | 5.17     | 33.8     | 1111     | 1.6       | 9.1       | 4.9      | 132       | 1.35       | 2         | 0.5      | 1.6       | 0.3       |
| 11AN0373A | Skookum North | 623636 | 6990341 | WHI11001223-073 | 0.95     | 41.68    | 5.48     | 33.4     | 1184     | 4.2       | 12        | 5.2      | 141       | 1.76       | 2.1       | 0.8      | 4.2       | 0.049     |
| 11AN0374A | Skookum North | 623643 | 6990393 | WHI11001223-074 | 0.8      | 25.18    | 5.66     | 30.6     | 505      | 1         | 5.8       | 3.3      | 102       | 1.26       | 1.3       | 0.5      | 1         | 0.2       |
| 11AN0375A | Skookum North | 623641 | 6990443 | WHI11001223-075 | 0.78     | 12.97    | 5.13     | 23.1     | 670      | 2.6       | 3.9       | 1.3      | 60        | 0.67       | 0.5       | 0.2      | 2.6       | 0.049     |
| 11AN0376A | Skookum North | 623639 | 6990493 | WHI11001223-076 | 0.65     | 10.96    | 3.43     | 36.1     | 248      | 1.5       | 4.5       | 1.5      | 117       | 0.47       | 0.4       | 0.1      | 1.5       | 0.049     |
| 11AN0377A | Skookum North | 623630 | 6990541 | WHI11001223-077 | 0.59     | 15.73    | 12.25    | 29.8     | 158      | 0.7       | 6.2       | 2.5      | 65        | 1.1        | 1.9       | 0.5      | 0.7       | 0.049     |
| 11CB1048A | Skookum North | 623384 | 6989385 | WHI11001224-146 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11CB1049A | Skookum North | 623377 | 6989437 | WHI11001224-147 | 0.89     | 15.22    | 5.71     | 35.5     | 198      | 0.7       | 8.1       | 2.6      | 200       | 1.04       | 2.4       | 0.2      | 0.7       | 0.049     |
| 11CB1050A | Skookum North | 623381 | 6989478 | WHI11001224-148 | 0.58     | 19.92    | 3.1      | 100.5    | 125      | 0.8       | 8.4       | 2.1      | 393       | 0.66       | 0.8       | 0.2      | 0.8       | 0.049     |
| 11CB1051A | Skookum North | 623374 | 6989537 | WHI11001224-149 | 0.58     | 33.55    | 3.99     | 46.3     | 212      | 2         | 18.1      | 5.9      | 706       | 1.13       | 1.9       | 1        | 2         | 0.1       |
| 11CB1052A | Skookum North | 623376 | 6989585 | WHI11001224-150 | 0.52     | 15.92    | 3.76     | 64.2     | 172      | 2.4       | 11.2      | 8.1      | 466       | 1.97       | 2.3       | 0.8      | 2.4       | 1.3       |
| 11CB1053A | Skookum North | 623369 | 6989629 | WHI11001224-151 | 0.63     | 35.18    | 4.56     | 28.4     | 409      | 1.4       | 18        | 4        | 94        | 0.93       | 1.1       | 0.8      | 1.4       | 0.049     |
| 11CB1054A | Skookum North | 623373 | 6989684 | WHI11001224-152 | 0.78     | 13.04    | 3.34     | 39.1     | 195      | 0.099     | 8.9       | 5.1      | 204       | 1.38       | 1.6       | 0.6      | 0.099     | 0.8       |
| 11CB1055A | Skookum North | 623370 | 6989734 | WHI11001224-153 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11CB1056A | Skookum North | 623369 | 6989782 | WHI11001224-154 | 0.57     | 8.7      | 3.71     | 41.1     | 166      | 4.1       | 8.2       | 8.5      | 316       | 1.63       | 2.7       | 0.6      | 4.1       | 1.2       |
| 11CB1057A | Skookum North | 623357 | 6989836 | WHI11001224-155 | 0.56     | 9.97     | 4.08     | 48.9     | 126      | 0.9       | 9.9       | 6.3      | 203       | 1.77       | 2.9       | 0.5      | 0.9       | 1.2       |
| 11CB1058A | Skookum North | 623363 | 6989886 | WHI11001224-156 | 0.66     | 10.66    | 4.73     | 54.6     | 174      | 2.4       | 9.2       | 10.1     | 398       | 2.29       | 3.5       | 0.7      | 2.4       | 1.1       |
| 11CB1059A | Skookum North | 623357 | 6989930 | WHI11001223-103 | 0.61     | 9.19     | 3.43     | 37.3     | 114      | 1.5       | 6.9       | 8        | 189       | 1.09       | 1.7       | 0.4      | 1.5       | 0.2       |
| 11CB1060A | Skookum North | 623357 | 6989979 | WHI11001223-104 | 0.63     | 19.18    | 4.29     | 29.9     | 330      | 0.8       | 9.2       | 5.7      | 209       | 1.06       | 1.1       | 0.9      | 0.8       | 0.049     |
| 11CB1062A | Skookum North | 623364 | 6990040 | WHI11001223-106 | 0.83     | 48.05    | 5.98     | 50.7     | 579      | 1.1       | 15.2      | 7.2      | 852       | 1.29       | 1.5       | 1.1      | 1.1       | 0.049     |
| 11CB1063A | Skookum North | 623358 | 6990081 | WHI11001223-107 | 0.97     | 26.54    | 5.29     | 33.6     | 1133     | 0.8       | 10.1      | 9        | 707       | 1          | 0.9       | 0.6      | 0.8       | 0.049     |
| 11CB1064A | Skookum North | 623354 | 6990129 | WHI11001223-108 | 0.8      | 41.14    | 7.61     | 161.6    | 2210     | 1.3       | 16.9      | 6.2      | 2182      | 1.25       | 1.1       | 1        | 1.3       | 0.1       |
| 11CB1065A | Skookum North | 623352 | 6990185 | WHI11001223-109 | 1.27     | 31.44    | 6.7      | 78.7     | 1796     | 3         | 12        | 5        | 551       | 1.37       | 1.7       | 0.4      | 3         | 0.7       |
| 11CB1066A | Skookum North | 623353 | 6990232 | WHI11001223-110 | 0.92     | 50.96    | 4.7      | 43.3     | 1362     | 5.6       | 11.4      | 5.5      | 177       | 1.21       | 1.2       | 1.4      | 5.6       | 0.049     |
| 11CB1067A | Skookum North | 623347 | 6990282 | WHI11001223-111 | 1.13     | 60.94    | 6.13     | 45.6     | 956      | 2.7       | 14.5      | 6.6      | 218       | 1.65       | 1.8       | 1.8      | 2.7       | 0.4       |
| 11CB1068A | Skookum North | 623350 | 6990338 | WHI11001223-112 | 1.53     | 31.38    | 5.93     | 110.7    | 876      | 2         | 13        | 5.5      | 1377      | 1.42       | 2.1       | 0.5      | 2         | 0.8       |
| 11CB1069A | Skookum North | 623347 | 6990383 | WHI11001223-113 | 0.9      | 28.72    | 6.19     | 51.4     | 1864     | 1.8       | 12.1      | 7.6      | 493       | 1.47       | 1.9       | 0.9      | 1.8       | 0.3       |
| 11CB1070A | Skookum North | 623345 | 6990443 | WHI11001223-114 | 1.19     | 42.58    | 16.98    | 66.3     | 4468     | 2.3       | 18.2      | 8.7      | 409       | 1.97       | 2         | 1.9      | 2.3       | 0.4       |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11CB1071A | Skookum North | 623343 | 6990495 | WHI11001223-115 | 0.63    | 41.36    | 29.59    | 166.6    | 2877     | 0.8      | 18.1     | 14       | 2030    | 1.5        | 1.3      | 1.6     | 0.8      | 0.3      |
| 11CB1072A | Skookum North | 623337 | 6990531 | WHI11001223-116 | 0.65    | 39.65    | 25.66    | 171      | 2032     | 0.9      | 16.6     | 10.7     | 1866    | 1.41       | 1.4      | 1.4     | 0.9      | 0.5      |
| 11DS1066A | Skookum North | 623582 | 6989388 | WHI11001223-006 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS1067A | Skookum North | 623582 | 6989438 | WHI11001223-007 | 0.59    | 19.92    | 3.18     | 45.4     | 317      | 1.2      | 12       | 3.1      | 206     | 0.83       | 1.2      | 0.7     | 1.2      | 0.049    |
| 11DS1068A | Skookum North | 623579 | 6989489 | WHI11001223-008 | 0.77    | 28.53    | 4.49     | 44.4     | 223      | 0.4      | 14.1     | 4.8      | 158     | 0.7        | 0.8      | 0.5     | 0.4      | 0.049    |
| 11DS1069A | Skookum North | 623574 | 6989538 | WHI11001223-009 | 0.67    | 53.29    | 5.55     | 29.7     | 569      | 0.9      | 14       | 6.7      | 164     | 1.1        | 1.1      | 1.9     | 0.9      | 0.049    |
| 11DS1070A | Skookum North | 623573 | 6989586 | WHI11001223-010 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS1071A | Skookum North | 623572 | 6989639 | WHI11001223-011 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS1072A | Skookum North | 623568 | 6989687 | WHI11001223-012 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS1073A | Skookum North | 623567 | 6989742 | WHI11001223-013 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS1074A | Skookum North | 623566 | 6989791 | WHI11001223-014 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS1075A | Skookum North | 623566 | 6989838 | WHI11001223-015 | 0.7     | 25.69    | 6.31     | 30.9     | 778      | 0.7      | 12.1     | 4.5      | 232     | 0.8        | 1.1      | 0.4     | 0.7      | 0.049    |
| 11DS1076A | Skookum North | 623562 | 6989887 | WHI11001223-016 | 1.02    | 59.3     | 7.85     | 24.4     | 824      | 0.2      | 21.8     | 6.8      | 103     | 1.02       | 1.2      | 1.5     | 0.2      | 0.049    |
| 11DS1077A | Skookum North | 623561 | 6989938 | WHI11001223-017 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS1078A | Skookum North | 623561 | 6989988 | WHI11001223-018 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11DS1079A | Skookum North | 623558 | 6990037 | WHI11001223-019 | 1.03    | 47.48    | 10.64    | 47.4     | 1164     | 0.5      | 21.4     | 12.3     | 561     | 1.2        | 1.8      | 0.6     | 0.5      | 0.049    |
| 11DS1080A | Skookum North | 623553 | 6990087 | WHI11001223-020 | 0.98    | 23.02    | 6.88     | 72.2     | 609      | 0.5      | 12.9     | 11.3     | 3369    | 1.32       | 1.7      | 0.3     | 0.5      | 0.1      |
| 11DS1082A | Skookum North | 623554 | 6990144 | WHI11001223-022 | 0.95    | 21.58    | 4.99     | 34.5     | 906      | 3.2      | 9.5      | 3.2      | 159     | 0.74       | 0.9      | 0.2     | 3.2      | 0.049    |
| 11DS1083A | Skookum North | 623550 | 6990187 | WHI11001223-023 | 0.77    | 19.79    | 5.68     | 36.2     | 1230     | 0.6      | 9.1      | 4.3      | 163     | 0.83       | 1        | 0.2     | 0.6      | 0.049    |
| 11DS1084A | Skookum North | 623548 | 6990239 | WHI11001223-024 | 0.98    | 22.15    | 4.24     | 20.3     | 898      | 0.7      | 7.2      | 3.8      | 246     | 0.77       | 0.7      | 0.3     | 0.7      | 0.049    |
| 11DS1085A | Skookum North | 623551 | 6990289 | WHI11001223-025 | 0.96    | 51.04    | 3.71     | 18.5     | 820      | 2.9      | 13.6     | 11.7     | 2593    | 1.27       | 1.5      | 1.4     | 2.9      | 0.1      |
| 11DS1086A | Skookum North | 623547 | 6990340 | WHI11001223-026 | 0.61    | 15.9     | 3.37     | 17.8     | 143      | 0.5      | 6.4      | 2.3      | 52      | 0.56       | 0.6      | 0.1     | 0.5      | 0.049    |
| 11DS1087A | Skookum North | 623544 | 6990392 | WHI11001223-027 | 0.92    | 24.08    | 4.56     | 26.2     | 977      | 0.6      | 9.3      | 3.5      | 163     | 0.81       | 0.9      | 0.5     | 0.6      | 0.049    |
| 11DS1088A | Skookum North | 623543 | 6990439 | WHI11001223-028 | 0.72    | 24.36    | 12.13    | 37.1     | 586      | 0.3      | 12.4     | 3.1      | 96      | 0.63       | 0.8      | 0.4     | 0.3      | 0.049    |
| 11DS1089A | Skookum North | 623537 | 6990490 | WHI11001223-029 | 0.69    | 19.38    | 8.98     | 60.4     | 439      | 0.099    | 7.4      | 2.3      | 84      | 0.63       | 0.5      | 0.2     | 0.099    | 0.049    |
| 11DS1090A | Skookum North | 623538 | 6990539 | WHI11001223-030 | 0.8     | 21.61    | 11.93    | 53.5     | 637      | 0.099    | 7.2      | 2.3      | 207     | 0.63       | 0.9      | 0.3     | 0.099    | 0.049    |
| 11DS1091A | Skookum North | 623539 | 6990588 | WHI11001223-031 | 0.77    | 21.37    | 5.94     | 43.8     | 275      | 0.4      | 7.9      | 2.4      | 95      | 0.6        | 0.6      | 0.2     | 0.4      | 0.049    |
| 11TB1103A | Skookum North | 623482 | 6989385 | WHI11001224-159 | 0.93    | 13.62    | 5.35     | 29.9     | 98       | 4.7      | 7.1      | 2.4      | 159     | 0.92       | 1.8      | 0.3     | 4.7      | 0.049    |
| 11TB1104A | Skookum North | 623482 | 6989436 | WHI11001224-160 | 0.78    | 12.32    | 4.07     | 36.6     | 99       | 0.099    | 8        | 4        | 192     | 1.22       | 1.7      | 0.2     | 0.099    | 0.049    |
| 11TB1105A | Skookum North | 623480 | 6989484 | WHI11001224-161 | 0.86    | 7.85     | 3.64     | 27.4     | 72       | 0.099    | 6.9      | 3.9      | 116     | 0.95       | 1.7      | 0.3     | 0.099    | 0.1      |
| 11TB1106A | Skookum North | 623477 | 6989535 | WHI11001224-162 | 0.65    | 11.93    | 3.64     | 37.9     | 184      | 2        | 9.1      | 4.3      | 158     | 0.98       | 1.8      | 0.4     | 2        | 0.1      |
| 11TB1107A | Skookum North | 623468 | 6989583 | WHI11001224-163 | 0.78    | 13.68    | 3.93     | 46.4     | 280      | 1.4      | 10.1     | 4.8      | 201     | 1.35       | 2.3      | 1       | 1.4      | 0.3      |
| 11TB1108A | Skookum North | 623471 | 6989637 | WHI11001224-164 | 0.51    | 9.62     | 2.89     | 51       | 119      | 2.5      | 9.5      | 5.1      | 254     | 1.4        | 2        | 0.8     | 2.5      | 0.8      |
| 11TB1109A | Skookum North | 623466 | 6989686 | WHI11001224-165 | 0.63    | 11.84    | 2.59     | 28.9     | 244      | 3.3      | 8.3      | 4.5      | 137     | 1.12       | 1.4      | 1.2     | 3.3      | 0.2      |
| 11TB1110A | Skookum North | 623463 | 6989736 | WHI11001224-166 | 0.66    | 10.7     | 3.09     | 53.8     | 163      | 2.7      | 9.3      | 11.5     | 391     | 1.87       | 2        | 1       | 2.7      | 0.9      |
| 11TB1111A | Skookum North | 623462 | 6989786 | WHI11001224-167 | 0.68    | 16.82    | 5.15     | 62.8     | 201      | 3.1      | 14.4     | 10.6     | 419     | 2.23       | 3.2      | 1       | 3.1      | 1.4      |
| 11TB1112A | Skookum North | 623457 | 6989844 | WHI11001224-168 | 0.51    | 15.58    | 6.67     | 146.8    | 227      | 0.4      | 14.2     | 13.2     | 1802    | 2.51       | 3.2      | 0.6     | 0.4      | 2        |
| 11TB1113A | Skookum North | 623458 | 6989884 | WHI11001224-169 | 1.04    | 10.54    | 3.43     | 34.8     | 397      | 1.1      | 7.2      | 4.1      | 217     | 1.01       | 1.7      | 0.4     | 1.1      | 0.1      |
| 11TB1114A | Skookum North | 623454 | 6989935 | WHI11001224-170 | 0.65    | 12.46    | 5.37     | 80.2     | 414      | 0.5      | 9.7      | 10.3     | 489     | 2.02       | 2.6      | 0.5     | 0.5      | 1.1      |
| 11TB1115A | Skookum North | 623457 | 6989990 | WHI11001224-171 | 0.88    | 16.63    | 5.02     | 36.6     | 590      | 0.099    | 8        | 4        | 132     | 1.2        | 1.8      | 0.3     | 0.099    | 0.2      |
| 11TB1116A | Skookum North | 623456 | 6990037 | WHI11001224-172 | 0.67    | 38.84    | 8.27     | 67.6     | 2137     | 1.9      | 11       | 7.3      | 421     | 1.53       | 1.5      | 0.8     | 1.9      | 1.7      |
| 11TB1117A | Skookum North | 623448 | 6990090 | WHI11001224-173 | 0.66    | 22.52    | 4.18     | 27.1     | 707      | 0.099    | 9.1      | 3.2      | 79      | 0.7        | 1        | 0.5     | 0.099    | 0.049    |
| 11TB1118A | Skookum North | 623450 | 6990143 | WHI11001224-174 | 0.66    | 19.12    | 4.17     | 29.5     | 849      | 0.099    | 8        | 3.3      | 68      | 0.68       | 0.8      | 0.3     | 0.099    | 0.049    |
| 11TB1119A | Skookum North | 623446 | 6990184 | WHI11001224-175 | 0.44    | 19.71    | 5.14     | 43.8     | 308      | 0.099    | 9.9      | 17       | 2308    | 1.06       | 1.4      | 0.3     | 0.099    | 0.049    |
| 11TB1120A | Skookum North | 623451 | 6990233 | WHI11001224-176 | 0.67    | 48.87    | 5.51     | 43.7     | 1453     | 2.1      | 11.5     | 5.9      | 243     | 1.22       | 1.3      | 0.7     | 2.1      | 0.1      |
| 11TB1122A | Skookum North | 623448 | 6990284 | WHI11001224-178 | 0.61    | 25.05    | 3.78     | 63.2     | 219      | 1.1      | 12       | 8.7      | 405     | 2          | 2.8      | 0.4     | 1.1      | 0.8      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11TB1123A | Skookum North | 623447 | 6990333 | WHI11001224-179 | 0.62    | 35.7     | 6.81     | 117.8    | 843      | 0.099    | 16.4     | 10.4     | 1237    | 1.53       | 1.4      | 0.8     | 0.099    | 0.3      |
| 11TB1124A | Skookum North | 623444 | 6990389 | WHI11001224-180 | 0.66    | 32.24    | 4.69     | 25.5     | 626      | 2.2      | 10.9     | 3.4      | 174     | 0.95       | 1        | 0.7     | 2.2      | 0.4      |
| 11TB1125A | Skookum North | 623441 | 6990436 | WHI11001224-181 | 0.6     | 38.47    | 14.82    | 58.3     | 1093     | 1.7      | 17.3     | 6        | 455     | 1.05       | 0.7      | 0.8     | 1.7      | 0.2      |
| 11TB1126A | Skookum North | 623442 | 6990498 | WHI11001224-182 | 0.75    | 24.49    | 31.96    | 38.9     | 760      | 1.7      | 7.2      | 2.3      | 72      | 0.82       | 0.7      | 0.5     | 1.7      | 0.049    |
| 11TB1127A | Skookum North | 623433 | 6990531 | WHI11001224-183 | 0.69    | 24.67    | 27.67    | 166.9    | 1042     | 3.2      | 11.4     | 7.3      | 2852    | 1.03       | 0.9      | 0.5     | 3.2      | 0.1      |
| 11TB1128A | Skookum North | 623430 | 6990564 | WHI11001224-184 | 0.77    | 20.95    | 6.39     | 49.6     | 806      | 1.1      | 8.4      | 2.4      | 420     | 0.79       | 0.9      | 0.5     | 1.1      | 0.1      |
| 11AN0378A | Skookum North | 623635 | 6990593 | WHI11001223-078 | 0.6     | 21.78    | 13.64    | 33.4     | 314      | 1.1      | 5.8      | 3.8      | 123     | 1.2        | 0.9      | 0.5     | 1.1      | 0.3      |
| 11AN0379A | Skookum North | 623639 | 6990643 | WHI11001223-079 | 0.63    | 27.89    | 46.57    | 108      | 649      | 2        | 8.6      | 5.6      | 326     | 1.54       | 1.6      | 0.7     | 2        | 0.4      |
| 11AN0380A | Skookum North | 623626 | 6990696 | WHI11001223-080 | 0.88    | 20.99    | 19.28    | 99.1     | 527      | 1.4      | 10.6     | 11.5     | 857     | 2.55       | 2.9      | 0.8     | 1.4      | 1.7      |
| 11AN0382A | Skookum North | 623629 | 6990743 | WHI11001223-082 | 1.41    | 21.59    | 15.84    | 64.1     | 293      | 3.1      | 10.7     | 5.2      | 334     | 1.97       | 1.9      | 0.7     | 3.1      | 0.9      |
| 11AN0383A | Skookum North | 623628 | 6990793 | WHI11001223-083 | 1.03    | 36.12    | 14.5     | 51.4     | 645      | 1.8      | 11.3     | 6.7      | 308     | 2.05       | 2.9      | 1.8     | 1.8      | 0.7      |
| 11AN0384A | Skookum North | 623626 | 6990843 | WHI11001223-084 | 0.71    | 18.58    | 5.49     | 59.2     | 163      | 2.3      | 11.8     | 6.8      | 965     | 1.66       | 1.6      | 0.9     | 2.3      | 0.5      |
| 11AN0385A | Skookum North | 623612 | 6990897 | WHI11001223-085 | 1.17    | 11.24    | 4.76     | 42       | 102      | 1.9      | 5.2      | 2.7      | 178     | 1.17       | 1.8      | 0.3     | 1.9      | 0.3      |
| 11AN0386A | Skookum North | 623622 | 6990943 | WHI11001223-086 | 0.93    | 17.81    | 5.5      | 23.4     | 243      | 1.1      | 8.5      | 3        | 83      | 1.1        | 1.4      | 0.6     | 1.1      | 0.1      |
| 11AN0387A | Skookum North | 623620 | 6990993 | WHI11001223-087 | 0.59    | 12.4     | 4.7      | 17.5     | 91       | 0.5      | 4.9      | 1.8      | 54      | 0.78       | 0.7      | 0.6     | 0.5      | 0.049    |
| 11AN0388A | Skookum North | 622981 | 6989367 | WHI11001223-088 | 0.7     | 16.49    | 7.87     | 31       | 386      | 1.3      | 9.3      | 4.1      | 135     | 1.3        | 2.5      | 0.6     | 1.3      | 0.049    |
| 11AN0389A | Skookum North | 622976 | 6989417 | WHI11001223-089 | 1       | 33.76    | 8.56     | 34.4     | 418      | 1.8      | 18.5     | 6.3      | 133     | 2.04       | 3.7      | 1.6     | 1.8      | 0.5      |
| 11AN0390A | Skookum North | 622977 | 6989467 | WHI11001223-090 | 1.22    | 12.65    | 5.49     | 35.9     | 218      | 1.3      | 9.7      | 4.1      | 135     | 1.62       | 3.8      | 0.5     | 1.3      | 0.2      |
| 11AN0391A | Skookum North | 622976 | 6989517 | WHI11001223-091 | 0.74    | 24.84    | 5.31     | 28.7     | 399      | 1.7      | 14       | 2.4      | 79      | 0.84       | 1.1      | 0.7     | 1.7      | 0.049    |
| 11AN0392A | Skookum North | 622974 | 6989567 | WHI11001223-092 | 0.88    | 31.47    | 6.2      | 36.1     | 583      | 1.4      | 15.2     | 5.2      | 159     | 1.47       | 2.2      | 1.1     | 1.4      | 0.3      |
| 11AN0393A | Skookum North | 622969 | 6989622 | WHI11001223-093 | 0.86    | 16.58    | 6.05     | 39.6     | 240      | 1.6      | 10.3     | 4.3      | 156     | 1.63       | 3        | 0.4     | 1.6      | 0.049    |
| 11AN0394A | Skookum North | 622970 | 6989667 | WHI11001223-094 | 0.73    | 11.33    | 4.67     | 41       | 121      | 1.7      | 9.6      | 5        | 172     | 1.53       | 3.6      | 0.4     | 1.7      | 0.2      |
| 11AN0395A | Skookum North | 622968 | 6989717 | WHI11001223-095 | 0.58    | 27.02    | 5.05     | 15.3     | 361      | 1.2      | 9.3      | 2        | 31      | 0.78       | 0.8      | 0.8     | 1.2      | 0.1      |
| 11AN0396A | Skookum North | 622966 | 6989767 | WHI11001223-096 | 0.62    | 10.54    | 3.58     | 37.1     | 270      | 0.3      | 7.1      | 2.5      | 435     | 1.01       | 1.2      | 0.3     | 0.3      | 0.1      |
| 11AN0397A | Skookum North | 622964 | 6989817 | WHI11001223-097 | 0.66    | 7.26     | 2.96     | 16.8     | 167      | 0.7      | 4.3      | 1.9      | 123     | 0.94       | 1        | 0.7     | 0.7      | 0.049    |
| 11AN0398A | Skookum North | 622962 | 6989867 | WHI11001223-098 | 0.88    | 12.59    | 4.96     | 44.7     | 293      | 0.3      | 8        | 4        | 390     | 1.45       | 2.3      | 0.2     | 0.3      | 0.1      |
| 11AN0399A | Skookum North | 622960 | 6989917 | WHI11001223-099 | 0.85    | 16.15    | 4.26     | 24       | 234      | 1.7      | 10.2     | 3        | 123     | 1.23       | 2.2      | 0.7     | 1.7      | 0.4      |
| 11AN0400A | Skookum North | 622959 | 6989967 | WHI11001223-100 | 0.87    | 17.33    | 5.36     | 37.3     | 226      | 0.6      | 11.3     | 4.1      | 201     | 1.58       | 2.3      | 0.7     | 0.6      | 0.3      |
| 11DS1092A | Skookum North | 623530 | 6990641 | WHI11001223-032 | 0.75    | 41.29    | 18.85    | 43.5     | 476      | 0.3      | 14.3     | 3.7      | 202     | 0.92       | 0.9      | 0.8     | 0.3      | 0.049    |
| 11DS1093A | Skookum North | 623529 | 6990688 | WHI11001223-033 | 1       | 17.74    | 13.35    | 43.1     | 1493     | 3.1      | 7.7      | 3.2      | 489     | 0.92       | 1.4      | 0.4     | 3.1      | 0.049    |
| 11DS1094A | Skookum North | 623532 | 6990739 | WHI11001223-034 | 0.45    | 18.89    | 6.87     | 44.8     | 259      | 1        | 9.5      | 5.7      | 369     | 1.34       | 1.8      | 1.1     | 1        | 0.9      |
| 11DS1095A | Skookum North | 623531 | 6990789 | WHI11001223-035 | 1.13    | 39.51    | 7.98     | 25.8     | 239      | 0.099    | 12       | 3.7      | 148     | 1.02       | 1.2      | 1.8     | 0.099    | 0.049    |
| 11DS1096A | Skookum North | 623528 | 6990841 | WHI11001223-036 | 0.9     | 24.55    | 6.43     | 34       | 297      | 0.9      | 11.5     | 3.9      | 202     | 1.21       | 1.4      | 1.2     | 0.9      | 0.3      |
| 11DS1097A | Skookum North | 623526 | 6990888 | WHI11001223-037 | 1.37    | 22.12    | 5.58     | 29.7     | 298      | 3.7      | 8.4      | 2.4      | 135     | 0.81       | 1.1      | 0.9     | 3.7      | 0.049    |
| 11DS1098A | Skookum North | 623524 | 6990940 | WHI11001223-038 | 0.84    | 14.73    | 6.78     | 45.7     | 166      | 4.5      | 10.2     | 10.3     | 1125    | 1.54       | 2.2      | 1.7     | 4.5      | 0.6      |
| 11DS1099A | Skookum North | 623518 | 6990989 | WHI11001223-039 | 1.07    | 17.39    | 5.96     | 48.3     | 243      | 3.6      | 11.3     | 12.1     | 728     | 1.93       | 3.5      | 1.5     | 3.6      | 0.9      |
| 11DS1100A | Skookum North | 623514 | 6991038 | WHI11001223-040 | 0.83    | 19.26    | 4.3      | 16.6     | 144      | 3.6      | 9.3      | 7.9      | 965     | 0.84       | 1.5      | 1       | 3.6      | 0.2      |
| 11DS1102A | Skookum North | 623518 | 6991086 | WHI11001223-042 | 2.38    | 23.43    | 6.28     | 43.7     | 159      | 3.6      | 14.4     | 12.4     | 1964    | 1.65       | 4.3      | 0.9     | 3.6      | 0.5      |
| 11DS1103A | Skookum North | 623518 | 6991139 | WHI11001223-043 | 1       | 29.92    | 6.23     | 67.2     | 94       | 2.6      | 20.4     | 9        | 795     | 1.73       | 5.3      | 1.1     | 2.6      | 0.7      |
| 11DS1104A | Skookum North | 623615 | 6991143 | WHI11001223-044 | 0.75    | 33.77    | 7.3      | 54.3     | 114      | 4.3      | 21.1     | 9.7      | 398     | 2.04       | 6.1      | 0.7     | 4.3      | 1.3      |
| 11DS1105A | Skookum North | 623613 | 6991093 | WHI11001223-045 | 1.27    | 24.43    | 8        | 83.6     | 125      | 2.7      | 13.6     | 7.1      | 344     | 1.48       | 3.4      | 0.7     | 2.7      | 0.4      |
| 11DS1106A | Skookum North | 623614 | 6991044 | WHI11001223-046 | 0.86    | 15.47    | 8.44     | 64.6     | 88       | 1.5      | 11.6     | 13       | 709     | 2.46       | 5.3      | 0.9     | 1.5      | 1.7      |
| 11DS1107A | Skookum North | 623182 | 6989373 | WHI11001223-047 | 0.82    | 36.32    | 5.99     | 24.5     | 1263     | 1.7      | 12.6     | 5.6      | 52      | 0.91       | 1.6      | 0.8     | 1.7      | 0.049    |
| 11DS1108A | Skookum North | 623178 | 6989425 | WHI11001223-048 | 0.97    | 42.19    | 9.23     | 36.1     | 989      | 1        | 19.1     | 5.6      | 187     | 1.24       | 2        | 0.8     | 1        | 0.049    |
| 11DS1109A | Skookum North | 623177 | 6989473 | WHI11001223-049 | 0.76    | 26.12    | 5.27     | 41.4     | 738      | 1.1      | 13       | 4        | 135     | 0.64       | 1.2      | 0.6     | 1.1      | 0.049    |
| 11DS1110A | Skookum North | 623174 | 6989527 | WHI11001223-050 | 0.6     | 16.54    | 5.21     | 36.5     | 301      | 0.8      | 11.9     | 4.4      | 146     | 0.59       | 1.1      | 0.2     | 0.8      | 0.049    |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0_ | Ni_ppm_0_ | Co_ppm_0 | Mn_ppm_0_ | Fe____0_01 | As_ppm_0_ | U_ppm_0_ | Au_ppb_0_ | Th_ppm_0_ |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|-----------|-----------|
| 11DS1111A | Skookum North | 623175 | 6989578 | WHI11001224-059 | 0.51    | 19.98    | 3.8      | 26.3     | 187      | 1.7       | 10.1      | 2.4      | 139       | 0.75       | 0.7       | 0.3      | 1.7       | 0.049     |
| 11DS1112A | Skookum North | 623174 | 6989627 | WHI11001224-060 | 0.55    | 12.69    | 3.13     | 23.7     | 273      | 1.5       | 6.4       | 3.7      | 117       | 1.09       | 1.5       | 0.3      | 1.5       | 0.2       |
| 11DS1113A | Skookum North | 623173 | 6989672 | WHI11001224-061 | 0.55    | 15.06    | 3.9      | 47.6     | 163      | 1.3       | 6.8       | 1.9      | 178       | 0.76       | 1.1       | 0.2      | 1.3       | 0.049     |
| 11DS1114A | Skookum North | 623166 | 6989723 | WHI11001224-062 | 0.26    | 13.03    | 1.96     | 41.6     | 224      | 2.4       | 6         | 3.3      | 314       | 0.75       | 0.7       | 0.6      | 2.4       | 0.1       |
| 11DS1115A | Skookum North | 623171 | 6989770 | WHI11001224-063 | 0.57    | 24.05    | 3.6      | 26.7     | 355      | 1.9       | 8.4       | 2.6      | 83        | 0.67       | 0.7       | 0.5      | 1.9       | 0.049     |
| 11DS1116A | Skookum North | 623170 | 6989829 | WHI11001224-064 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS1117A | Skookum North | 623162 | 6989873 | WHI11001224-065 | 0.85    | 17.28    | 3.48     | 19.2     | 749      | 0.7       | 7.5       | 2.6      | 120       | 1          | 1.4       | 0.3      | 0.7       | 0.049     |
| 11DS1118A | Skookum North | 623160 | 6989922 | WHI11001224-066 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11DS1119A | Skookum North | 623157 | 6989977 | WHI11001224-067 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | -100      | -100     | -100      | -100       | -100      | -100     | -100      | -100      |
| 11TB1129A | Skookum North | 623438 | 6990637 | WHI11001224-185 | 0.59    | 24.74    | 5.41     | 33.1     | 401      | 1.6       | 9.6       | 3.8      | 162       | 0.88       | 0.7       | 0.8      | 1.6       | 0.2       |
| 11TB1130A | Skookum North | 623432 | 6990690 | WHI11001224-186 | 0.87    | 16.83    | 4.5      | 22.8     | 135      | 2.4       | 7.2       | 2.9      | 551       | 0.91       | 0.7       | 0.3      | 2.4       | 0.049     |
| 11TB1131A | Skookum North | 623428 | 6990735 | WHI11001224-187 | 0.65    | 8.63     | 3.42     | 17.9     | 45       | 1.7       | 4.9       | 1.6      | 78        | 0.71       | 0.6       | 0.2      | 1.7       | 0.049     |
| 11TB1132A | Skookum North | 623427 | 6990786 | WHI11001224-188 | 0.83    | 13.92    | 3.42     | 22.1     | 104      | 0.8       | 5.3       | 1.8      | 37        | 0.66       | 0.7       | 0.4      | 0.8       | 0.1       |
| 11TB1133A | Skookum North | 623424 | 6990835 | WHI11001224-189 | 0.94    | 14.6     | 2.37     | 17.9     | 120      | 0.4       | 6.3       | 2.1      | 125       | 0.66       | 0.8       | 0.8      | 0.4       | 0.1       |
| 11TB1134A | Skookum North | 623421 | 6990883 | WHI11001224-190 | 0.79    | 13.35    | 3.81     | 28.3     | 193      | 0.9       | 9.6       | 4.8      | 151       | 1.33       | 1.7       | 0.7      | 0.9       | 0.4       |
| 11TB1135A | Skookum North | 623427 | 6990929 | WHI11001224-191 | 1.07    | 11.37    | 2.54     | 33.5     | 136      | 0.9       | 6.9       | 4.5      | 288       | 1.2        | 1.1       | 0.6      | 0.9       | 0.4       |
| 11TB1136A | Skookum North | 623417 | 6990985 | WHI11001224-192 | 0.58    | 13.96    | 0.9      | 24.8     | 52       | 1.8       | 4.8       | 2.3      | 500       | 0.4        | 0.7       | 0.7      | 1.8       | 0.2       |
| 11TB1137A | Skookum North | 623420 | 6991031 | WHI11001224-193 | 0.64    | 16.31    | 1.74     | 28.1     | 83       | 1         | 7.7       | 3.5      | 412       | 0.7        | 1.3       | 0.4      | 1         | 0.2       |
| 11TB1138A | Skookum North | 623410 | 6991086 | WHI11001224-194 | 0.58    | 19.15    | 6.49     | 78.2     | 88       | 2.2       | 20.6      | 10.8     | 848       | 2.18       | 5.9       | 0.5      | 2.2       | 1.7       |
| 11TB1139A | Skookum North | 623415 | 6991135 | WHI11001224-195 | 0.67    | 21.4     | 5.02     | 68.2     | 87       | 2         | 18        | 9.5      | 1007      | 1.65       | 4.9       | 0.5      | 2         | 0.8       |
| 11TB1140A | Skookum North | 623280 | 6989379 | WHI11001224-196 | 0.81    | 16.46    | 5.12     | 35.7     | 266      | 0.5       | 7.7       | 2.8      | 296       | 0.99       | 2.2       | 0.3      | 0.5       | 0.049     |
| 11TB1142A | Skookum North | 623270 | 6989432 | WHI11001224-198 | 0.77    | 22.95    | 7.18     | 34.1     | 207      | 0.9       | 11.2      | 3.8      | 444       | 1.14       | 1.4       | 0.3      | 0.9       | 0.049     |
| 11TB1143A | Skookum North | 623273 | 6989479 | WHI11001224-199 | 0.71    | 14.6     | 3.41     | 28.8     | 208      | 0.8       | 7         | 2        | 70        | 0.79       | 1.4       | 0.2      | 0.8       | 0.049     |
| 11TB1144A | Skookum North | 623273 | 6989529 | WHI11001224-200 | 0.89    | 13.1     | 5.12     | 20.5     | 208      | 1         | 7         | 2.4      | 92        | 0.98       | 1.6       | 0.3      | 1         | 0.049     |
| 11TB1145A | Skookum North | 623276 | 6989577 | WHI11001224-201 | 0.88    | 20.53    | 5.96     | 39.4     | 271      | 1.6       | 10.4      | 4.6      | 143       | 2          | 3.2       | 0.5      | 1.6       | 0.2       |
| 11TB1146A | Skookum North | 623274 | 6989629 | WHI11001224-202 | 0.72    | 21.96    | 3.76     | 45.9     | 498      | 2.6       | 11.5      | 3.9      | 176       | 1.42       | 2         | 1.2      | 2.6       | 0.049     |
| 11TB1147A | Skookum North | 623275 | 6989684 | WHI11001224-203 | 0.46    | 16.7     | 4.07     | 64.7     | 143      | 2         | 11.4      | 9.2      | 480       | 2.15       | 2.6       | 0.8      | 2         | 1.1       |
| 11TB1148A | Skookum North | 623257 | 6989727 | WHI11001224-204 | 0.58    | 44.7     | 3.85     | 48.4     | 277      | 1.4       | 13.1      | 5.3      | 201       | 1.4        | 1.7       | 1        | 1.4       | 0.5       |
| 11TB1149A | Skookum North | 623270 | 6989778 | WHI11001224-205 | 0.78    | 20.98    | 4.33     | 50.2     | 318      | 1         | 8.8       | 3.2      | 397       | 1.31       | 1.3       | 0.3      | 1         | 0.2       |
| 11TB1150A | Skookum North | 623270 | 6989829 | WHI11001224-206 | 0.87    | 15.78    | 3.73     | 32       | 302      | 3.2       | 6.5       | 2.7      | 247       | 1.16       | 1.6       | 0.2      | 3.2       | 0.049     |
| 11TB1151A | Skookum North | 623261 | 6989877 | WHI11001224-207 | 0.79    | 18.99    | 4.9      | 30.4     | 436      | 2.8       | 8.8       | 4.2      | 133       | 2          | 2.7       | 0.5      | 2.8       | 1.1       |
| 11TB1152A | Skookum North | 623264 | 6989931 | WHI11001224-242 | 1.02    | 14.95    | 4.26     | 79.5     | 494      | 1.8       | 7.4       | 2.9      | 1143      | 1.06       | 1.8       | 0.3      | 1.8       | 0.1       |
| 11TB1153A | Skookum North | 623257 | 6989976 | WHI11001224-243 | 0.82    | 20.08    | 4.28     | 62.2     | 248      | 6.5       | 11.1      | 8.6      | 342       | 2.41       | 2.4       | 0.9      | 6.5       | 1.6       |
| 11AN0402A | Skookum North | 622954 | 6990015 | WHI11001223-102 | 1.09    | 11.88    | 4.68     | 37       | 196      | 1.4       | 8.4       | 3.6      | 259       | 1.39       | 2.3       | 0.5      | 1.4       | 0.4       |
| 11AN0403A | Skookum North | 622953 | 6990067 | WHI11001223-231 | 1       | 14.71    | 4.62     | 24.4     | 158      | 0.4       | 6.7       | 2.4      | 116       | 1.04       | 1.6       | 0.3      | 0.4       | 0.049     |
| 11AN0404A | Skookum North | 622953 | 6990117 | WHI11001223-232 | 0.84    | 12.46    | 6.12     | 21.9     | 320      | 0.5       | 6.3       | 1.9      | 116       | 1.02       | 1.9       | 0.3      | 0.5       | 0.049     |
| 11AN0405A | Skookum North | 622946 | 6990167 | WHI11001223-233 | 1.86    | 14.76    | 6.38     | 34.4     | 325      | 0.099     | 6.8       | 2.2      | 121       | 0.99       | 1.4       | 0.2      | 0.099     | 0.049     |
| 11AN0406A | Skookum North | 622949 | 6990217 | WHI11001223-234 | 0.94    | 9.48     | 4.26     | 18.4     | 186      | 0.099     | 5.5       | 2        | 154       | 1          | 0.6       | 0.2      | 0.099     | 0.1       |
| 11AN0407A | Skookum North | 622944 | 6990260 | WHI11001223-235 | 0.7     | 10.6     | 5.09     | 38.3     | 306      | 1.1       | 5.1       | 2.6      | 225       | 1.42       | 1.9       | 0.3      | 1.1       | 0.4       |
| 11AN0408A | Skookum North | 622940 | 6990321 | WHI11001223-236 | 0.87    | 8.23     | 4.86     | 30.8     | 238      | 0.099     | 6         | 3.3      | 364       | 1.38       | 1.9       | 0.3      | 0.099     | 0.1       |
| 11AN0409A | Skookum North | 622943 | 6990366 | WHI11001223-237 | 0.93    | 10.44    | 4.52     | 31.9     | 216      | 0.099     | 7.2       | 2.4      | 86        | 1.02       | 2.2       | 0.2      | 0.099     | 0.049     |
| 11AN0410A | Skookum North | 622933 | 6990415 | WHI11001223-238 | 1.46    | 21.59    | 6.99     | 45.6     | 346      | 1         | 10.1      | 4        | 173       | 1.85       | 2.4       | 0.8      | 1         | 0.4       |
| 11AN0411A | Skookum North | 622940 | 6990466 | WHI11001223-239 | 1       | 49.28    | 11.17    | 48.1     | 897      | 7         | 17.9      | 5.1      | 163       | 1.52       | 2.6       | 2        | 7         | 0.049     |
| 11AN0412A | Skookum North | 622934 | 6990512 | WHI11001223-240 | 1.23    | 10.72    | 4.13     | 32.1     | 584      | 0.3       | 5.5       | 1.9      | 66        | 0.71       | 0.5       | 0.3      | 0.3       | 0.049     |
| 11AN0413A | Skookum North | 622936 | 6990566 | WHI11001223-241 | 0.62    | 24.12    | 10.53    | 47.8     | 397      | 0.099     | 13.3      | 5.6      | 126       | 1.59       | 2.4       | 0.8      | 0.099     | 0.2       |
| 11AN0414A | Skookum North | 622933 | 6990616 | WHI11001223-242 | 0.44    | 10.63    | 4.94     | 19.4     | 407      | 0.8       | 4.6       | 2.6      | 84        | 0.82       | 1.1       | 0.5      | 0.8       | 0.049     |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_0 | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_ppm_0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|
| 11AN0415A | Skookum North | 622931 | 6990666 | WHI11001223-243 | 0.62     | 18.18    | 6.29     | 47.3     | 209      | 0.6      | 11       | 15.5     | 883      | 1.89        | 2.2      | 0.9     | 0.6      | 0.4      |
| 11AN0416A | Skookum North | 622930 | 6990716 | WHI11001223-244 | 0.66     | 16.97    | 5.78     | 30.3     | 149      | 0.099    | 9.3      | 3.3      | 101      | 1           | 1.7      | 0.6     | 0.099    | 0.049    |
| 11AN0417A | Skookum North | 622926 | 6990776 | WHI11001223-245 | 0.68     | 22.21    | 8.42     | 63.2     | 315      | 0.099    | 15.1     | 7.6      | 223      | 2.56        | 3.7      | 1       | 0.099    | 0.7      |
| 11AN0418A | Skookum North | 622926 | 6990816 | WHI11001223-246 | 0.74     | 25.63    | 9.38     | 32.8     | 197      | 0.099    | 9.8      | 3.3      | 103      | 1.21        | 2        | 1.2     | 0.099    | 0.049    |
| 11AN0419A | Skookum North | 622921 | 6990866 | WHI11001223-247 | 0.71     | 17.17    | 6.41     | 41.3     | 192      | 0.099    | 9.2      | 4.7      | 104      | 1.3         | 3        | 1.1     | 0.099    | 0.049    |
| 11AN0420A | Skookum North | 622922 | 6990916 | WHI11001223-248 | 0.95     | 16.92    | 4.37     | 26.8     | 164      | 0.099    | 10       | 3.3      | 87       | 0.8         | 1.6      | 0.9     | 0.099    | 0.049    |
| 11AN0422A | Skookum North | 622920 | 6990966 | WHI11001223-250 | 0.54     | 15.12    | 8.66     | 26.9     | 188      | 0.7      | 6.4      | 2.5      | 58       | 1.23        | 2        | 0.4     | 0.7      | 0.049    |
| 11AN0423A | Skookum North | 622914 | 6991022 | WHI11001223-251 | 0.99     | 15.65    | 7.3      | 77.6     | 234      | 1.2      | 12.3     | 18       | 1107     | 2.8         | 4.5      | 0.7     | 1.2      | 1.5      |
| 11AN0424A | Skookum North | 622916 | 6991066 | WHI11001223-252 | 0.76     | 15.83    | 6.44     | 69.8     | 66       | 1.1      | 15.5     | 6.9      | 201      | 1.97        | 6.4      | 0.4     | 1.1      | 1.2      |
| 11DS1120A | Skookum North | 623156 | 6990024 | WHI11001224-068 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1122A | Skookum North | 623154 | 6990077 | WHI11001224-070 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1123A | Skookum North | 623153 | 6990123 | WHI11001224-071 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1124A | Skookum North | 623158 | 6990172 | WHI11001224-072 | 0.66     | 10.19    | 4.23     | 38.4     | 188      | 2.7      | 7.3      | 6.6      | 261      | 2.06        | 2.5      | 0.8     | 2.7      | 0.8      |
| 11DS1125A | Skookum North | 623156 | 6990220 | WHI11001224-073 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1126A | Skookum North | 623157 | 6990275 | WHI11001224-074 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1127A | Skookum North | 623148 | 6990327 | WHI11001224-075 | 1.2      | 28.04    | 5.11     | 89.3     | 1086     | 1.2      | 20.1     | 19.3     | 6591     | 1.06        | 1.5      | 0.7     | 1.2      | 0.049    |
| 11DS1128A | Skookum North | 623148 | 6990372 | WHI11001224-076 | 1.97     | 32.68    | 5.53     | 48.3     | 1327     | 1.9      | 15.7     | 21.7     | 4513     | 1.18        | 1.7      | 0.9     | 1.9      | 0.049    |
| 11DS1129A | Skookum North | 623142 | 6990426 | WHI11001224-077 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1130A | Skookum North | 623140 | 6990469 | WHI11001224-078 | 0.53     | 15.89    | 2.29     | 41.5     | 166      | 1.1      | 7.2      | 4.5      | 331      | 1.08        | 1.5      | 0.4     | 1.1      | 0.4      |
| 11DS1131A | Skookum North | 623131 | 6990524 | WHI11001224-079 | 1.35     | 15.11    | 8.92     | 218.2    | 735      | 2.4      | 10.3     | 7        | 3535     | 1.23        | 2        | 0.3     | 2.4      | 0.4      |
| 11DS1132A | Skookum North | 623142 | 6990587 | WHI11001224-080 | 0.75     | 23.55    | 17.26    | 69.9     | 191      | 2.1      | 9.9      | 7.8      | 582      | 2           | 2.3      | 1.1     | 2.1      | 1        |
| 11DS1133A | Skookum North | 623140 | 6990616 | WHI11001224-081 | 0.72     | 20.05    | 8.48     | 54.6     | 124      | 1.4      | 13.4     | 8.4      | 934      | 2.08        | 3.2      | 1       | 1.4      | 1.4      |
| 11DS1134A | Skookum North | 623137 | 6990674 | WHI11001224-082 | 0.75     | 15.33    | 3.37     | 57.3     | 190      | 1.4      | 8.1      | 3.2      | 2050     | 0.76        | 0.8      | 0.3     | 1.4      | 0.1      |
| 11DS1135A | Skookum North | 623126 | 6990728 | WHI11001224-083 | 0.77     | 13.77    | 5.32     | 81.4     | 308      | 0.9      | 9.7      | 7.8      | 2417     | 1.09        | 1.8      | 0.3     | 0.9      | 0.2      |
| 11DS1136A | Skookum North | 623125 | 6990778 | WHI11001224-084 | 0.87     | 19.16    | 3.82     | 29       | 246      | 0.6      | 9.3      | 4.1      | 286      | 0.75        | 1        | 0.3     | 0.6      | 0.049    |
| 11DS1137A | Skookum North | 623127 | 6990827 | WHI11001224-085 | 1        | 22.77    | 6        | 25.9     | 285      | 1.1      | 9.3      | 3.8      | 92       | 1.66        | 2.8      | 1.3     | 1.1      | 0.5      |
| 11DS1138A | Skookum North | 623124 | 6990870 | WHI11001224-086 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1139A | Skookum North | 623122 | 6990922 | WHI11001224-087 | 0.36     | 24.07    | 5.92     | 45.1     | 333      | 0.3      | 13.5     | 7.5      | 288      | 1.21        | 1.6      | 1.3     | 0.3      | 0.049    |
| 11DS1140A | Skookum North | 623114 | 6990974 | WHI11001224-088 | 0.6      | 20.08    | 4.03     | 52.2     | 127      | 3.9      | 13.8     | 7.7      | 922      | 1.62        | 2.4      | 1.7     | 3.9      | 0.8      |
| 11DS1142A | Skookum North | 623117 | 6991020 | WHI11001224-090 | 0.65     | 20.99    | 6.09     | 69.6     | 92       | 1.3      | 17.2     | 7.8      | 465      | 1.91        | 5        | 0.6     | 1.3      | 1.3      |
| 11TB1154A | Skookum North | 623257 | 6990036 | WHI11001224-244 | 0.52     | 13.06    | 2.79     | 55.1     | 144      | 1        | 9.8      | 8.7      | 387      | 1.98        | 2.1      | 0.5     | 1        | 1        |
| 11TB1155A | Skookum North | 623253 | 6990079 | WHI11001224-245 | 0.59     | 16.45    | 5.16     | 73.6     | 125      | 4        | 12.4     | 10.5     | 396      | 2.7         | 2.7      | 0.6     | 4        | 1.8      |
| 11TB1156A | Skookum North | 623258 | 6990132 | WHI11001224-246 | 1.68     | 24.51    | 4.38     | 229      | 522      | 1        | 10.2     | 9.4      | 4850     | 1.58        | 1.9      | 0.4     | 1        | 0.4      |
| 11TB1157A | Skookum North | 623236 | 6990181 | WHI11001224-247 | 1.11     | 25.61    | 5.54     | 53.8     | 589      | 1.3      | 14       | 9.2      | 1683     | 1.79        | 2.7      | 0.5     | 1.3      | 0.9      |
| 11TB1158A | Skookum North | 623254 | 6990226 | WHI11001224-248 | 1.67     | 17.49    | 6.39     | 61.2     | 313      | 1.6      | 11.4     | 14.8     | 3903     | 1.51        | 1.9      | 0.3     | 1.6      | 0.6      |
| 11TB1159A | Skookum North | 623248 | 6990281 | WHI11001224-249 | 1.55     | 50.3     | 6.59     | 36.7     | 1129     | 1.9      | 13.6     | 5.3      | 309      | 0.9         | 1.3      | 1.2     | 1.9      | 0.049    |
| 11TB1160A | Skookum North | 623240 | 6990332 | WHI11001224-250 | 1.33     | 55.46    | 7.02     | 44       | 1094     | 2.4      | 17.3     | 6.3      | 148      | 1.68        | 2.9      | 1.4     | 2.4      | 0.2      |
| 11TB1162A | Skookum North | 623250 | 6990427 | WHI11001224-252 | 1.24     | 26.64    | 6.49     | 63.1     | 963      | 10.3     | 13.3     | 13.7     | 592      | 2.74        | 3.3      | 1       | 10.3     | 2.1      |
| 11TB1163A | Skookum North | 623248 | 6990378 | WHI11001224-253 | 0.83     | 24.75    | 6.89     | 61.5     | 1563     | 4.2      | 15       | 10.1     | 257      | 2.4         | 2.5      | 0.9     | 4.2      | 1.5      |
| 11TB1164A | Skookum North | 623230 | 6990524 | WHI11001224-254 | 1.13     | 21.91    | 12.68    | 69       | 1648     | 8.1      | 13.3     | 14.7     | 1799     | 2.24        | 1.8      | 1.3     | 8.1      | 0.8      |
| 11TB1165A | Skookum North | 623241 | 6990485 | WHI11001224-255 | 1.38     | 48.54    | 35.58    | 99.3     | 2971     | 5.3      | 20       | 13.2     | 2573     | 1.87        | 1.4      | 1.5     | 5.3      | 1.1      |
| 11TB1166A | Skookum North | 623232 | 6990580 | WHI11001224-256 | 1.83     | 13.51    | 14.24    | 86.6     | 423      | 3.4      | 6.4      | 4.3      | 877      | 1.48        | 1.1      | 0.2     | 3.4      | 0.7      |
| 11TB1167A | Skookum North | 623234 | 6990627 | WHI11001224-257 | 1.36     | 13.33    | 6.21     | 33.8     | 161      | 2.4      | 8.1      | 5.4      | 254      | 1.88        | 2        | 0.3     | 2.4      | 0.5      |
| 11TB1168A | Skookum North | 623230 | 6990687 | WHI11001224-258 | 1.01     | 23.14    | 8.87     | 57.3     | 375      | 1.3      | 13       | 11.1     | 1725     | 1.83        | 2.9      | 0.7     | 1.3      | 3.1      |
| 11TB1169A | Skookum North | 623232 | 6990729 | WHI11001224-259 | 1.19     | 24.66    | 10.45    | 69.1     | 269      | 1.2      | 11.4     | 5.9      | 745      | 1.68        | 2.1      | 0.9     | 1.2      | 2        |
| 11TB1170A | Skookum North | 623227 | 6990780 | WHI11001224-260 | 0.48     | 8.84     | 5.64     | 16.6     | 46       | 4.3      | 3        | 1.9      | 125      | 1.01        | 1.6      | 0.3     | 4.3      | 1.2      |

| Sample No | Area          | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|---------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11TB1172A | Skookum North | 623219 | 6990876 | WHI11001224-262 | 0.71    | 18.27    | 5.13     | 31.2     | 294      | 1.5      | 6.5      | 3.7      | 179     | 1.38       | 1.6      | 0.7     | 1.5      | 0.3      |
| 11TB1173A | Skookum North | 623218 | 6990932 | WHI11001224-263 | 0.58    | 19.41    | 5.18     | 24.9     | 83       | 1.2      | 7.7      | 2.8      | 184     | 0.99       | 1.3      | 0.6     | 1.2      | 0.049    |
| 11TB1174A | Skookum North | 623217 | 6990978 | WHI11001224-264 | 0.83    | 13.8     | 5.49     | 45.7     | 97       | 1.3      | 9.8      | 9.3      | 802     | 1.48       | 2.8      | 0.6     | 1.3      | 0.3      |
| 11TB1175A | Skookum North | 623218 | 6991028 | WHI11001224-265 | 0.78    | 22.68    | 5.47     | 52.4     | 119      | 3.4      | 13.8     | 10.8     | 598     | 1.85       | 3.4      | 0.9     | 3.4      | 0.4      |
| 11TB1176A | Skookum North | 623215 | 6991075 | WHI11001224-266 | 0.81    | 27.38    | 6.21     | 55.8     | 86       | 3.1      | 21.5     | 14       | 671     | 2.46       | 4.3      | 0.8     | 3.1      | 1.1      |
| 11TB1177A | Skookum North | 623118 | 6991075 | WHI11001224-267 | 0.69    | 32.24    | 5.31     | 56.1     | 104      | 2.1      | 24.1     | 9.8      | 772     | 1.83       | 4.6      | 0.8     | 2.1      | 1.4      |
| 11AN0425a | Skookum West  | 626954 | 6990172 | WHI11001223-253 | 4.65    | 14.71    | 7.84     | 48.3     | 99       | 2.7      | 14.3     | 8.1      | 445     | 2.45       | 3.8      | 3.9     | 2.7      | 3.5      |
| 11AN0426a | Skookum West  | 626948 | 6990229 | WHI11001223-254 | 1.41    | 34.81    | 7.65     | 35.5     | 348      | 1.4      | 24.3     | 4.9      | 205     | 1.58       | 2.1      | 1.5     | 1.4      | 0.2      |
| 11AN0428a | Skookum West  | 626953 | 6990280 | WHI11001223-256 | 0.66    | 8.76     | 5.73     | 17.2     | 110      | 1.3      | 4.4      | 2.3      | 77      | 0.73       | 0.8      | 0.2     | 1.3      | 0.1      |
| 11AN0429a | Skookum West  | 626950 | 6990331 | WHI11001223-257 | 1.1     | 17.9     | 6.4      | 23.1     | 602      | 0.2      | 10.2     | 6        | 191     | 1.03       | 1.8      | 0.4     | 0.2      | 0.1      |
| 11AN0430a | Skookum West  | 626945 | 6990381 | WHI11001223-258 | 0.96    | 17.69    | 7.92     | 41.2     | 441      | 0.8      | 12       | 9.1      | 2399    | 1.92       | 2.6      | 0.3     | 0.8      | 0.2      |
| 11AN0431a | Skookum West  | 626942 | 6990427 | WHI11001223-259 | 1.02    | 15.48    | 7.86     | 42.2     | 351      | 0.7      | 11       | 8.6      | 2360    | 2.18       | 3.4      | 0.3     | 0.7      | 0.6      |
| 11AN0432a | Skookum West  | 626942 | 6990472 | WHI11001223-260 | 1.04    | 17.07    | 7.22     | 42.2     | 311      | 1.7      | 13.7     | 12.2     | 3201    | 1.82       | 2.9      | 0.3     | 1.7      | 0.1      |
| 11AN0433a | Skookum West  | 626944 | 6990526 | WHI11001223-261 | 0.76    | 11.38    | 5.06     | 14.1     | 213      | 0.7      | 5.3      | 1.6      | 48      | 0.65       | 1.3      | 0.2     | 0.7      | 0.049    |
| 11AN0434a | Skookum West  | 626938 | 6990572 | WHI11001223-262 | 0.83    | 15.01    | 8.52     | 21.4     | 129      | 1.6      | 4.9      | 2.1      | 85      | 1.29       | 2.2      | 0.4     | 1.6      | 0.049    |
| 11AN0435a | Skookum West  | 626936 | 6990622 | WHI11001223-263 | 0.96    | 17.91    | 7.16     | 23.5     | 408      | 2.5      | 8.5      | 2.6      | 78      | 1.1        | 2.2      | 0.7     | 2.5      | 0.049    |
| 11AN0436a | Skookum West  | 626934 | 6990672 | WHI11001223-264 | 0.95    | 14.4     | 7.79     | 46.9     | 100      | 1        | 11.2     | 4.8      | 198     | 2.17       | 5.1      | 0.4     | 1        | 0.2      |
| 11AN0437a | Skookum West  | 626933 | 6990722 | WHI11001223-265 | 1.19    | 37.59    | 4.96     | 28       | 461      | 1        | 8        | 3.3      | 127     | 1.42       | 1.5      | 1.4     | 1        | 0.2      |
| 11AN0438a | Skookum West  | 626931 | 6990772 | WHI11001223-266 | 0.99    | 14.83    | 5.89     | 18.7     | 509      | 0.4      | 7.1      | 2.2      | 36      | 0.97       | 1.6      | 0.5     | 0.4      | 0.1      |
| 11AN0440a | Skookum West  | 626929 | 6990822 | WHI11001223-268 | 0.79    | 13.92    | 7.11     | 18.1     | 214      | 0.9      | 7.1      | 2.2      | 87      | 0.97       | 2.1      | 0.5     | 0.9      | 0.1      |
| 11AN0441a | Skookum West  | 626927 | 6990872 | WHI11001223-269 | 0.79    | 14.08    | 7.13     | 21.9     | 165      | 1.3      | 7.3      | 2.4      | 101     | 1.32       | 2.6      | 0.6     | 1.3      | 0.2      |
| 11AN0442a | Skookum West  | 626929 | 6990917 | WHI11001223-270 | 0.56    | 7.46     | 1.52     | 20.2     | 145      | 0.5      | 3.3      | 0.9      | 68      | 0.27       | 0.5      | 0.4     | 0.5      | 0.6      |
| 11AN0443a | Skookum West  | 626923 | 6990971 | WHI11001223-271 | 2.51    | 16.16    | 3.66     | 15.1     | 355      | 1.3      | 7.5      | 17.6     | 2112    | 1.14       | 0.8      | 2.3     | 1.3      | 1.1      |
| 11AN0444a | Skookum West  | 626913 | 6991025 | WHI11001223-272 | 1.4     | 18.06    | 6.37     | 24.9     | 193      | 0.7      | 8.7      | 3.5      | 86      | 0.97       | 1.4      | 1.1     | 0.7      | 0.7      |
| 11AN0445a | Skookum West  | 626919 | 6991071 | WHI11001223-273 | 1.63    | 23.66    | 12.19    | 39.7     | 639      | 0.6      | 37.3     | 11.6     | 319     | 2.28       | 2.4      | 2.3     | 0.6      | 5.2      |
| 11AN0446a | Skookum West  | 626916 | 6991121 | WHI11001223-274 | 0.75    | 12.99    | 4.55     | 17       | 950      | 0.5      | 7.3      | 2.2      | 38      | 0.91       | 1        | 1.4     | 0.5      | 0.6      |
| 11AN0447a | Skookum West  | 626914 | 6991171 | WHI11001223-275 | 1.1     | 19.31    | 6.38     | 25.5     | 220      | 0.9      | 8.5      | 2.8      | 51      | 1.1        | 1.7      | 1.2     | 0.9      | 0.3      |
| 11AN0448a | Skookum West  | 623566 | 6989571 | WHI11001223-276 | 1.22    | 20.23    | 7.79     | 38.9     | 445      | 2.7      | 14.5     | 33.1     | 766     | 2.11       | 4.1      | 2.5     | 2.7      | 2.4      |
| 11AN0449a | Skookum West  | 623591 | 6989572 | WHI11001223-277 | 0.96    | 15.32    | 5.07     | 31.8     | 154      | 1.7      | 10.2     | 4.8      | 185     | 1.39       | 2.1      | 1.2     | 1.7      | 1.2      |
| 11CB1125a | Skookum West  | 626890 | 6990048 | WHI11001224-219 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB1126a | Skookum West  | 626854 | 6990115 | WHI11001224-220 | 0.77    | 19.41    | 3.43     | 39.9     | 734      | 2.4      | 8.9      | 4.4      | 313     | 1.15       | 1.2      | 1.7     | 2.4      | 0.8      |
| 11CB1127a | Skookum West  | 623570 | 6989523 | WHI11001224-221 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB1125a | Skookum West  | 626864 | 6990023 | WHI11001224-219 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB1126a | Skookum West  | 626860 | 6990018 | WHI11001224-220 | 0.77    | 19.41    | 3.43     | 39.9     | 734      | 2.4      | 8.9      | 4.4      | 313     | 1.15       | 1.2      | 1.7     | 2.4      | 0.8      |
| 11CB1127a | Skookum West  | 626858 | 6990068 | WHI11001224-221 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB1128a | Skookum West  | 626856 | 6990118 | WHI11001224-222 | 1.1     | 13.14    | 6.43     | 27.1     | 388      | 0.4      | 9        | 8.1      | 3092    | 0.99       | 1.3      | 0.2     | 0.4      | 0.049    |
| 11CB1129a | Skookum West  | 626854 | 6990168 | WHI11001224-223 | 1.28    | 8.97     | 7.21     | 26.9     | 295      | 0.8      | 7.3      | 6.2      | 1871    | 1.28       | 2.2      | 0.2     | 0.8      | 0.1      |
| 11CB1130a | Skookum West  | 626852 | 6990218 | WHI11001224-224 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB1131a | Skookum West  | 626850 | 6990268 | WHI11001224-225 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB1132a | Skookum West  | 626848 | 6990318 | WHI11001224-226 | 0.76    | 15.97    | 6.65     | 44.5     | 366      | 1.3      | 11.7     | 9.4      | 3325    | 1.25       | 2        | 0.2     | 1.3      | 0.049    |
| 11CB1133a | Skookum West  | 626846 | 6990368 | WHI11001224-227 | 0.84    | 14.24    | 7.71     | 43.6     | 260      | 0.6      | 12.2     | 11.6     | 4197    | 1.63       | 2.2      | 0.2     | 0.6      | 0.049    |
| 11CB1134a | Skookum West  | 626844 | 6990418 | WHI11001224-228 | 0.98    | 23.35    | 6.33     | 113      | 555      | 0.5      | 10.9     | 5.1      | 304     | 1.79       | 3.5      | 0.4     | 0.5      | 1.2      |
| 11CB1135a | Skookum West  | 626842 | 6990468 | WHI11001434-134 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11CB1135a | Skookum West  | 626842 | 6990468 | WHI11001224-229 | 0.87    | 21.4     | 5.51     | 79.4     | 349      | 0.9      | 8.6      | 4.3      | 409     | 1.62       | 2.8      | 0.3     | 0.9      | 0.3      |
| 11CB1136a | Skookum West  | 626840 | 6990518 | WHI11001224-230 | 0.95    | 16.92    | 7.35     | 15.2     | 327      | 0.8      | 5.2      | 1.7      | 33      | 0.86       | 1.2      | 0.5     | 0.8      | 0.049    |
| 11CB1137a | Skookum West  | 626838 | 6990568 | WHI11001224-231 | 0.94    | 13.62    | 4.85     | 19.6     | 422      | 2.3      | 5.6      | 3.2      | 36      | 0.78       | 1.3      | 0.4     | 2.3      | 0.049    |



| Sample No | Area         | E      | N       | ID              | Mo_ppm_( | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_0 | Fe_____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|--------------|--------|---------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|---------|----------|----------|
| 11CB1138a | Skookum West | 626836 | 6990618 | WHI11001224-232 | 1.13     | 17.55    | 5.92     | 21.5     | 489      | 0.8      | 10.2     | 2.3      | 38       | 0.87        | 1.4      | 0.4     | 0.8      | 0.049    |
| 11CB1139a | Skookum West | 626834 | 6990668 | WHI11001224-233 | 0.69     | 22.94    | 5.21     | 20.9     | 388      | 0.3      | 7.8      | 2.1      | 34       | 0.68        | 1        | 0.4     | 0.3      | 0.049    |
| 11CB1140a | Skookum West | 626832 | 6990718 | WHI11001224-234 | 0.93     | 15.44    | 4.61     | 23.8     | 232      | 0.8      | 7.7      | 2.4      | 49       | 0.84        | 1.3      | 0.2     | 0.8      | 0.049    |
| 11CB1141a | Skookum West | 626830 | 6990768 | WHI11001224-235 | 0.87     | 15.74    | 4.82     | 24.4     | 298      | 0.7      | 7.6      | 2.2      | 45       | 0.86        | 1.3      | 0.3     | 0.7      | 0.049    |
| 11CB1142a | Skookum West | 626828 | 6990818 | WHI11001224-236 | 0.99     | 17.3     | 5.15     | 21.7     | 163      | 1.8      | 7.9      | 2.1      | 46       | 0.91        | 1.3      | 0.3     | 1.8      | 0.049    |
| 11CB1143a | Skookum West | 626826 | 6990868 | WHI11001224-237 | 0.91     | 14.16    | 6.14     | 19.7     | 155      | 1.5      | 8.1      | 3        | 84       | 1.29        | 3.6      | 0.4     | 1.5      | 0.049    |
| 11CB1144a | Skookum West | 626825 | 6990918 | WHI11001224-238 | 0.97     | 15.94    | 6.91     | 17       | 166      | 0.8      | 7.2      | 2.4      | 62       | 1.14        | 2.8      | 0.4     | 0.8      | 0.1      |
| 11CB1145a | Skookum West | 626823 | 6990968 | WHI11001224-239 | 1.98     | 38.83    | 10.6     | 122.1    | 501      | 1.3      | 17.1     | 6.9      | 544      | 1.7         | 2.3      | 1.6     | 1.3      | 0.5      |
| 11CB1146a | Skookum West | 626821 | 6991017 | WHI11001224-240 | 1.79     | 33.54    | 11.76    | 89       | 319      | 0.8      | 15.8     | 6.4      | 455      | 1.73        | 2.7      | 1.8     | 0.8      | 0.6      |
| 11CB1147a | Skookum West | 626819 | 6991067 | WHI11001224-241 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1143a | Skookum West | 626659 | 6990010 | WHI11001224-091 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1144a | Skookum West | 626657 | 6990060 | WHI11001224-092 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1145a | Skookum West | 626659 | 6990110 | WHI11001224-093 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1146a | Skookum West | 626656 | 6990161 | WHI11001224-094 | 0.76     | 20.69    | 5.45     | 77.4     | 618      | 0.4      | 14.4     | 12.5     | 4181     | 0.79        | 1.6      | 0.4     | 0.4      | 0.049    |
| 11DS1147a | Skookum West | 626649 | 6990213 | WHI11001224-095 | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100     | -100        | -100     | -100    | -100     | -100     |
| 11DS1148a | Skookum West | 626653 | 6990263 | WHI11001224-096 | 1.02     | 17.36    | 5.88     | 64.5     | 855      | 1.7      | 8.2      | 3        | 1167     | 0.56        | 1.3      | 0.2     | 1.7      | 0.049    |
| 11DS1149a | Skookum West | 626649 | 6990307 | WHI11001224-097 | 0.77     | 23.65    | 5.78     | 113.1    | 608      | 0.099    | 11.8     | 9        | 2853     | 0.63        | 1        | 0.2     | 0.099    | 0.1      |
| 11DS1150a | Skookum West | 626643 | 6990362 | WHI11001224-098 | 0.85     | 18.59    | 5.02     | 48.1     | 515      | 0.099    | 12.7     | 7.4      | 1730     | 0.77        | 1.4      | 0.2     | 0.099    | 0.049    |
| 11DS1151a | Skookum West | 626642 | 6990409 | WHI11001224-099 | 1.22     | 26.37    | 6.73     | 45.3     | 1118     | 1.2      | 15.6     | 5.1      | 301      | 0.88        | 1.4      | 0.6     | 1.2      | 0.049    |
| 11DS1152a | Skookum West | 626642 | 6990457 | WHI11001224-100 | 1.41     | 20.02    | 3.99     | 35.5     | 427      | 1        | 24.1     | 10.2     | 781      | 1.13        | 2        | 0.4     | 1        | 0.049    |
| 11DS1153a | Skookum West | 626639 | 6990506 | WHI11001224-101 | 1.18     | 14.15    | 4.32     | 17.4     | 629      | 0.099    | 6.6      | 2        | 33       | 0.68        | 1.7      | 0.3     | 0.099    | 0.04     |

| Sample No | Area         | E      | N       | ID              | Mo_ppm_ | Cu_ppm_0 | Pb_ppm_0 | Zn_ppm_0 | Ag_ppb_2 | Au_ppb_0 | Ni_ppm_0 | Co_ppm_0 | Mn_ppm_ | Fe____0_01 | As_ppm_0 | U_ppm_0 | Au_ppb_0 | Th_ppm_0 |
|-----------|--------------|--------|---------|-----------------|---------|----------|----------|----------|----------|----------|----------|----------|---------|------------|----------|---------|----------|----------|
| 11TB1191a | Skookum West | 626735 | 6990622 | WHI11001224-281 | 0.75    | 24.96    | 5.69     | 22.7     | 881      | 0.8      | 11.2     | 2.6      | 60      | 0.79       | 1        | 0.7     | 0.8      | 0.049    |
| 11TB1192a | Skookum West | 626729 | 6990662 | WHI11001224-282 | 0.58    | 19.23    | 5.34     | 52.2     | 525      | 0.9      | 10       | 3.7      | 115     | 1.11       | 1.8      | 0.3     | 0.9      | 0.049    |
| 11TB1193a | Skookum West | 626737 | 6990715 | WHI11001224-283 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11TB1194a | Skookum West | 626731 | 6990760 | WHI11001224-284 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11TB1195a | Skookum West | 626735 | 6990817 | WHI11001224-285 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11TB1196a | Skookum West | 626726 | 6990866 | WHI11001224-286 | 1.51    | 29.89    | 6.99     | 30.4     | 451      | 0.6      | 17.7     | 4.3      | 112     | 1.08       | 1.4      | 1.2     | 0.6      | 0.3      |
| 11TB1197a | Skookum West | 626718 | 6990914 | WHI11001224-287 | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | -100     | -100     | -100    | -100       | -100     | -100    | -100     | -100     |
| 11TB1198a | Skookum West | 626723 | 6990979 | WHI11001224-288 | 0.52    | 17.67    | 3.97     | 28.1     | 210      | 1        | 5.3      | 1.6      | 22      | 0.53       | 0.8      | 0.4     | 1        | 0.049    |
| 11TB1199a | Skookum West | 626722 | 6991015 | WHI11001224-289 | 1.42    | 27.66    | 4.12     | 33.3     | 593      | 2.4      | 9.7      | 3        | 47      | 0.77       | 1.2      | 1.1     | 2.4      | 0.049    |
| 11TB1200a | Skookum West | 626722 | 6991072 | WHI11001224-290 | 1.42    | 19.01    | 7.53     | 37.3     | 243      | 4.8      | 10       | 3.8      | 72      | 1.23       | 2.7      | 0.9     | 4.8      | 0.3      |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11GR0001A | 89.3     | 0.19     | 0.51     | 0.1      | 29      | 2.28       | 0.103      | 12.5     | 16.1     | 0.32      | 1224.3   | 0.021      | 3       | 0.97       | 0.02       | 0.04      | 0.049   | 85       | 2.8      | 0.05     |
| 11GR0002A | 81.1     | 0.28     | 0.62     | 0.08     | 27      | 2.44       | 0.084      | 20.4     | 13.7     | 0.27      | 1126.7   | 0.013      | 4       | 0.91       | 0.013      | 0.06      | 0.049   | 73       | 3.1      | 0.06     |
| 11GR0005A | 94.5     | 0.17     | 0.62     | 0.14     | 48      | 1.99       | 0.081      | 15.2     | 22.5     | 0.65      | 631      | 0.042      | 3       | 1.45       | 0.017      | 0.07      | 0.1     | 59       | 4.2      | 0.08     |
| 11GR0006A | 110.4    | 0.13     | 0.36     | 0.1      | 32      | 2.64       | 0.104      | 29.6     | 16.2     | 0.37      | 718.3    | 0.024      | 3       | 1.24       | 0.014      | 0.06      | 0.049   | 68       | 3.2      | 0.06     |
| 11GR0007A | 150.3    | 0.08     | 0.36     | 0.08     | 20      | 2.4        | 0.086      | 33.6     | 12.9     | 0.21      | 727.2    | 0.012      | 2       | 0.8        | 0.011      | 0.03      | 0.049   | 93       | 2        | 0.05     |
| 11GR0010A | 86.9     | 0.36     | 1.32     | 0.11     | 27      | 2.49       | 0.094      | 33.8     | 15.8     | 0.26      | 1431.3   | 0.012      | 2       | 1.16       | 0.013      | 0.05      | 0.1     | 124      | 4.6      | 0.08     |
| 11GR0011A | 86.4     | 0.12     | 0.43     | 0.11     | 43      | 2.01       | 0.083      | 14.9     | 20.5     | 0.45      | 813.4    | 0.031      | 1       | 1.42       | 0.017      | 0.04      | 0.1     | 98       | 4.4      | 0.07     |
| 11GR0012A | 143      | 0.35     | 0.5      | 0.06     | 9       | 4.16       | 0.093      | 19.9     | 7.8      | 0.19      | 1324.3   | 0.008      | 5       | 0.57       | 0.013      | 0.02      | 0.049   | 86       | 2.3      | 0.04     |
| 11GR0013A | 92.6     | 0.23     | 0.53     | 0.07     | 26      | 2.46       | 0.069      | 18.3     | 12       | 0.3       | 1147.5   | 0.017      | 2       | 0.89       | 0.013      | 0.04      | 0.1     | 67       | 2.6      | 0.04     |
| 11GR0014A | 102.6    | 0.29     | 0.33     | 0.07     | 37      | 2.77       | 0.097      | 6.6      | 10.1     | 0.25      | 1124.2   | 0.014      | 4       | 0.59       | 0.014      | 0.04      | 0.1     | 46       | 1.8      | 0.04     |
| 11GR0015A | 107.8    | 0.16     | 0.4      | 0.08     | 29      | 2.87       | 0.105      | 9.7      | 14.7     | 0.34      | 816.3    | 0.02       | 3       | 1.06       | 0.017      | 0.04      | 0.049   | 53       | 1.9      | 0.06     |
| 11GR0016A | 98.3     | 0.22     | 0.56     | 0.08     | 30      | 2.64       | 0.117      | 27.6     | 15.1     | 0.38      | 1111.3   | 0.017      | 3       | 1.25       | 0.016      | 0.05      | 0.049   | 124      | 3.4      | 0.06     |
| 11GR0017A | 112.5    | 0.11     | 0.64     | 0.05     | 15      | 3.73       | 0.081      | 65.7     | 9.4      | 0.19      | 1555.1   | 0.009      | 3       | 0.81       | 0.014      | 0.03      | 0.049   | 124      | 2.8      | 0.04     |
| 11GR0018A | 60.2     | 0.29     | 0.49     | 0.11     | 35      | 1.88       | 0.067      | 23.2     | 20.6     | 0.45      | 799.3    | 0.028      | 1       | 1.31       | 0.016      | 0.06      | 0.1     | 80       | 4.9      | 0.06     |
| 11GR0030A | 179.5    | 0.22     | 0.7      | 0.06     | 17      | 4.36       | 0.086      | 34.4     | 12.4     | 0.25      | 1201.6   | 0.012      | 4       | 0.78       | 0.013      | 0.02      | 0.049   | 117      | 2.1      | 0.05     |
| 11GR0031A | 126.2    | 0.23     | 0.39     | 0.12     | 44      | 2.52       | 0.1        | 19.9     | 18.9     | 0.38      | 741.7    | 0.022      | 3       | 1.07       | 0.016      | 0.04      | 0.049   | 86       | 3.5      | 0.07     |
| 11GR0032A | 139.7    | 0.27     | 0.4      | 0.09     | 28      | 2.87       | 0.1        | 9.1      | 14.4     | 0.34      | 757.3    | 0.019      | 4       | 0.84       | 0.016      | 0.03      | 0.049   | 64       | 1.9      | 0.05     |
| 11GR0033A | 131.1    | 0.2      | 0.76     | 0.08     | 18      | 2.96       | 0.096      | 15.7     | 12.1     | 0.31      | 627.7    | 0.023      | 4       | 0.74       | 0.018      | 0.03      | 0.049   | 94       | 2        | 0.06     |
| 11GR0034A | 111.9    | 0.09     | 0.6      | 0.09     | 28      | 2.22       | 0.082      | 20.8     | 16.5     | 0.4       | 514.3    | 0.026      | 2       | 1.09       | 0.014      | 0.04      | 0.1     | 82       | 2.6      | 0.04     |
| 11GR0036A | 84.8     | 0.2      | 0.37     | 0.1      | 51      | 2.01       | 0.076      | 12.1     | 24.3     | 0.68      | 510.9    | 0.064      | 2       | 1.41       | 0.02       | 0.07      | 0.1     | 63       | 4.4      | 0.06     |
| 11GR0037A | 97.6     | 0.19     | 0.37     | 0.26     | 38      | 2.32       | 0.094      | 13.2     | 19.8     | 0.5       | 521.7    | 0.035      | 3       | 1.06       | 0.018      | 0.05      | 0.049   | 88       | 3.4      | 0.05     |
| 11GR0039A | 114.4    | 0.2      | 0.42     | 0.16     | 32      | 2.87       | 0.077      | 9.2      | 17       | 0.49      | 482.8    | 0.042      | 3       | 1.15       | 0.019      | 0.05      | 0.049   | 59       | 3        | 0.07     |
| 11GR0049A | 121.5    | 0.14     | 0.55     | 0.09     | 22      | 3.17       | 0.073      | 32.5     | 17.4     | 0.32      | 1365.3   | 0.018      | 2       | 1.15       | 0.013      | 0.04      | 0.049   | 84       | 4        | 0.06     |
| 11GR0051A | 84       | 0.08     | 0.94     | 0.11     | 41      | 1.6        | 0.09       | 27       | 28.9     | 0.54      | 956      | 0.044      | 2       | 1.46       | 0.016      | 0.04      | 0.1     | 107      | 4.9      | 0.07     |
| 11GR0053A | 112.4    | 0.27     | 0.93     | 0.08     | 19      | 2.26       | 0.121      | 10.8     | 15.1     | 0.29      | 492.9    | 0.02       | 5       | 0.66       | 0.016      | 0.03      | 0.1     | 97       | 1.6      | 0.06     |
| 11GR0054A | 124.3    | 0.17     | 0.37     | 0.09     | 25      | 3.56       | 0.077      | 9.4      | 13.7     | 0.29      | 588.1    | 0.017      | 4       | 0.96       | 0.012      | 0.03      | 0.049   | 74       | 2        | 0.04     |
| 11GR0055A | 255.7    | 0.1      | 0.37     | 0.06     | 16      | 3.97       | 0.107      | 17.5     | 11.2     | 0.25      | 901.5    | 0.009      | 5       | 0.62       | 0.014      | 0.02      | 0.049   | 69       | 1.9      | 0.05     |
| 11JM0672A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11JM0673A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11JM0674A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11JM0675A | 342.1    | 0.29     | 0.49     | 0.27     | 39      | 2.9        | 0.104      | 8.5      | 21       | 0.66      | 846.4    | 0.03       | 6       | 1.02       | 0.015      | 0.07      | 0.049   | 80       | 4.4      | 0.1      |
| 11JM0676A | 364.1    | 0.26     | 0.38     | 0.1      | 41      | 2.73       | 0.116      | 8.7      | 19.4     | 0.69      | 883.3    | 0.023      | 5       | 1.1        | 0.015      | 0.05      | 0.049   | 70       | 3.6      | 0.08     |
| 11JM0677A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0583a | 62.3     | 0.21     | 0.35     | 0.14     | 37      | 3.23       | 0.078      | 6.9      | 25.5     | 0.65      | 248.2    | 0.027      | 4       | 1.19       | 0.015      | 0.03      | 0.049   | 44       | 2.1      | 0.05     |
| 11AN0584a | 75.7     | 0.35     | 0.3      | 0.18     | 21      | 4.08       | 0.071      | 6.7      | 18.5     | 0.59      | 188      | 0.02       | 4       | 0.82       | 0.014      | 0.02      | 0.049   | 56       | 1.1      | 0.0099   |
| 11AN0585a | 66.1     | 0.41     | 0.19     | 0.1      | 13      | 3.77       | 0.074      | 4.4      | 8.7      | 0.24      | 153.4    | 0.011      | 4       | 0.45       | 0.011      | 0.02      | 0.049   | 77       | 0.8      | 0.04     |
| 11AN0586a | 16.4     | 0.2      | 0.18     | 0.12     | 35      | 0.21       | 0.019      | 5.3      | 10.3     | 0.16      | 76.9     | 0.033      | 0.49    | 0.61       | 0.008      | 0.03      | 0.049   | 17       | 1.3      | 0.05     |
| 11AN0587a | 15.2     | 0.13     | 0.14     | 0.17     | 26      | 0.14       | 0.028      | 6.6      | 11.8     | 0.13      | 79.3     | 0.032      | 0.49    | 0.72       | 0.008      | 0.02      | 0.049   | 49       | 1.1      | 0.07     |
| 11AN0588a | 36.4     | 0.18     | 0.2      | 0.11     | 29      | 0.58       | 0.048      | 13.7     | 9.9      | 0.18      | 104.9    | 0.025      | 1       | 0.58       | 0.012      | 0.04      | 0.049   | 59       | 1.6      | 0.05     |
| 11AN0589a | 119      | 0.08     | 0.2      | 0.07     | 8       | 2.39       | 0.087      | 10.6     | 7.3      | 0.17      | 582.8    | 0.009      | 2       | 0.32       | 0.009      | 0.02      | 0.049   | 83       | 2.2      | 0.0099   |
| 11AN0590a | 46.1     | 0.26     | 0.2      | 0.14     | 31      | 0.48       | 0.058      | 5.8      | 10.8     | 0.19      | 296.5    | 0.02       | 2       | 0.71       | 0.008      | 0.06      | 0.049   | 58       | 1.3      | 0.04     |
| 11AN0591a | 25.5     | 0.25     | 0.1      | 0.1      | 13      | 0.22       | 0.043      | 11.6     | 10.9     | 0.07      | 175.6    | 0.007      | 0.49    | 0.71       | 0.009      | 0.02      | 0.049   | 53       | 0.4      | 0.05     |
| 11AN0592a | 23.3     | 0.28     | 0.1      | 0.08     | 25      | 0.3        | 0.083      | 4        | 7.5      | 0.25      | 116.4    | 0.041      | 0.49    | 0.7        | 0.013      | 0.05      | 0.049   | 63       | 1.4      | 0.05     |
| 11AN0593a | 31.5     | 0.36     | 0.18     | 0.09     | 36      | 0.7        | 0.072      | 6        | 14.6     | 0.4       | 253.1    | 0.04       | 2       | 0.92       | 0.014      | 0.07      | 0.049   | 66       | 1.9      | 0.07     |
| 11AN0594a | 58.1     | 0.23     | 0.22     | 0.08     | 48      | 2.23       | 0.096      | 10.4     | 19.5     | 0.78      | 245.1    | 0.042      | 3       | 1.46       | 0.019      | 0.05      | 0.049   | 42       | 3.3      | 0.05     |
| 11AN0595a | 69.4     | 0.27     | 0.23     | 0.09     | 21      | 4.08       | 0.076      | 5.9      | 15.8     | 0.42      | 459.2    | 0.018      | 5       | 0.77       | 0.013      | 0.03      | 0.049   | 84       | 1.5      | 0.04     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0596a | 60.8     | 0.22     | 0.26     | 0.08     | 34      | 3.07       | 0.074      | 6.4      | 18.6     | 0.57      | 231.3    | 0.023      | 3       | 1          | 0.014      | 0.03      | 0.049   | 43       | 1.8      | 0.05     |
| 11AN0597a | 40.4     | 0.39     | 0.18     | 0.11     | 30      | 2.06       | 0.068      | 5.9      | 19       | 0.33      | 197.8    | 0.048      | 3       | 0.83       | 0.014      | 0.04      | 0.049   | 95       | 1.8      | 0.06     |
| 11AN0598a | 85.9     | 0.56     | 0.27     | 0.07     | 9       | 4.49       | 0.096      | 2.9      | 7.4      | 0.21      | 245.4    | 0.008      | 8       | 0.31       | 0.013      | 0.02      | 0.049   | 93       | 0.4      | 0.04     |
| 11AN0599a | 69       | 0.28     | 0.3      | 0.06     | 14      | 4.31       | 0.096      | 2.6      | 7.6      | 0.18      | 305      | 0.008      | 4       | 0.38       | 0.014      | 0.01      | 0.049   | 56       | 0.5      | 0.04     |
| 11AN0600a | 95.2     | 0.59     | 0.28     | 0.06     | 7       | 4.74       | 0.101      | 2.4      | 7.2      | 0.18      | 325.8    | 0.009      | 8       | 0.32       | 0.012      | 0.01      | 0.049   | 99       | 0.4      | 0.05     |
| 11AN0602a | 66       | 0.28     | 0.22     | 0.08     | 25      | 3.83       | 0.076      | 4.7      | 17.1     | 0.58      | 276.7    | 0.021      | 6       | 0.77       | 0.013      | 0.03      | 0.049   | 61       | 1.3      | 0.07     |
| 11AN0603a | 73.6     | 0.2      | 0.24     | 0.06     | 26      | 3.75       | 0.07       | 8.7      | 18.1     | 0.46      | 237.3    | 0.025      | 4       | 0.83       | 0.013      | 0.03      | 0.049   | 46       | 1.4      | 0.05     |
| 11AN0604a | 48.4     | 0.19     | 0.18     | 0.07     | 34      | 2.22       | 0.068      | 7.7      | 23.8     | 0.81      | 190.5    | 0.043      | 3       | 1.06       | 0.013      | 0.04      | 0.049   | 46       | 2.4      | 0.05     |
| 11CB1279a | 76.9     | 0.92     | 0.4      | 0.11     | 23      | 2.51       | 0.115      | 3.8      | 10.9     | 0.15      | 328.4    | 0.009      | 4       | 0.56       | 0.011      | 0.01      | 0.049   | 104      | 1.2      | 0.06     |
| 11CB1280a | 80.2     | 0.81     | 0.51     | 0.14     | 33      | 2.64       | 0.132      | 5        | 15.3     | 0.2       | 342.1    | 0.012      | 4       | 0.7        | 0.013      | 0.02      | 0.049   | 110      | 1.8      | 0.06     |
| 11CB1282a | 78       | 0.59     | 0.31     | 0.07     | 8       | 2.47       | 0.098      | 2.2      | 5.5      | 0.11      | 261.6    | 0.006      | 5       | 0.35       | 0.009      | 0.01      | 0.049   | 115      | 0.6      | 0.04     |
| 11CB1283a | 76.9     | 0.62     | 0.36     | 0.08     | 10      | 2.76       | 0.094      | 2.2      | 5.8      | 0.11      | 257.8    | 0.006      | 5       | 0.36       | 0.009      | 0.01      | 0.049   | 98       | 0.6      | 0.04     |
| 11CB1284a | 62.2     | 0.32     | 0.52     | 0.07     | 34      | 1.82       | 0.1        | 5.4      | 20.1     | 0.25      | 262.5    | 0.012      | 2       | 0.76       | 0.008      | 0.01      | 0.049   | 73       | 2        | 0.05     |
| 11CB1285a | 81.1     | 0.56     | 0.53     | 0.07     | 21      | 2.75       | 0.108      | 4.7      | 9.1      | 0.12      | 302      | 0.01       | 4       | 0.61       | 0.011      | 0.01      | 0.049   | 101      | 1.2      | 0.05     |
| 11CB1286a | 79.8     | 0.74     | 0.55     | 0.07     | 20      | 2.48       | 0.126      | 4.2      | 9.9      | 0.13      | 326.9    | 0.01       | 5       | 0.6        | 0.012      | 0.02      | 0.049   | 105      | 1.1      | 0.06     |
| 11CB1287a | 88.7     | 0.54     | 0.35     | 0.09     | 19      | 2.68       | 0.107      | 3.9      | 8.8      | 0.12      | 299.1    | 0.009      | 4       | 0.53       | 0.009      | 0.0049    | 0.049   | 87       | 1.1      | 0.04     |
| 11CB1288a | 86.2     | 0.63     | 0.39     | 0.09     | 18      | 2.63       | 0.11       | 4.4      | 10.8     | 0.14      | 312.4    | 0.01       | 4       | 0.59       | 0.011      | 0.01      | 0.049   | 97       | 1.3      | 0.04     |
| 11CB1289a | 79.7     | 0.71     | 0.51     | 0.07     | 25      | 2.5        | 0.125      | 5        | 12.4     | 0.15      | 359.5    | 0.01       | 3       | 0.67       | 0.011      | 0.02      | 0.049   | 119      | 1.5      | 0.06     |
| 11CB1290a | 81.6     | 0.69     | 0.47     | 0.08     | 25      | 2.73       | 0.113      | 4.5      | 11.7     | 0.16      | 294.5    | 0.01       | 4       | 0.59       | 0.011      | 0.01      | 0.049   | 92       | 1.5      | 0.04     |
| 11CB1291a | 80.8     | 0.65     | 0.51     | 0.07     | 25      | 2.62       | 0.121      | 5.5      | 13.2     | 0.16      | 346      | 0.011      | 3       | 0.71       | 0.012      | 0.02      | 0.049   | 107      | 1.8      | 0.05     |
| 11CB1292a | 83.6     | 0.38     | 0.3      | 0.06     | 16      | 3.27       | 0.088      | 4        | 13.5     | 0.27      | 406.3    | 0.013      | 5       | 0.59       | 0.011      | 0.02      | 0.049   | 62       | 1.1      | 0.04     |
| 11CB1293a | 85.5     | 0.37     | 0.31     | 0.07     | 16      | 3.41       | 0.085      | 3.9      | 14.2     | 0.28      | 425.2    | 0.012      | 5       | 0.6        | 0.012      | 0.02      | 0.049   | 74       | 1        | 0.04     |
| 11CB1294a | 85.7     | 0.32     | 0.22     | 0.06     | 15      | 4.07       | 0.085      | 2.7      | 9.5      | 0.23      | 245.6    | 0.01       | 6       | 0.42       | 0.011      | 0.01      | 0.049   | 52       | 0.5      | 0.04     |
| 11CB1295a | 87.8     | 0.41     | 0.27     | 0.16     | 21      | 3.88       | 0.092      | 4.3      | 14       | 0.3       | 296.4    | 0.015      | 6       | 0.66       | 0.014      | 0.02      | 0.049   | 66       | 0.9      | 0.03     |
| 11CB1296a | 73.6     | 0.37     | 0.29     | 0.11     | 17      | 3.24       | 0.075      | 4.1      | 12.8     | 0.28      | 232.5    | 0.015      | 4       | 0.7        | 0.012      | 0.02      | 0.049   | 38       | 0.9      | 0.06     |
| 11CB1297a | 76.1     | 0.39     | 0.3      | 0.09     | 19      | 3.19       | 0.075      | 4.7      | 14.9     | 0.31      | 244.7    | 0.017      | 4       | 0.76       | 0.012      | 0.02      | 0.049   | 57       | 1.1      | 0.05     |
| 11CB1298a | 53.9     | 0.36     | 0.31     | 0.13     | 31      | 2.06       | 0.089      | 7.9      | 17.7     | 0.46      | 230.7    | 0.02       | 2       | 1.13       | 0.011      | 0.02      | 0.049   | 88       | 2        | 0.06     |
| 11CB1299a | 54.3     | 0.38     | 0.29     | 0.1      | 30      | 2.05       | 0.081      | 7.6      | 16.9     | 0.43      | 222.2    | 0.021      | 2       | 1.1        | 0.011      | 0.03      | 0.049   | 89       | 2        | 0.06     |
| 11CB1300a | 51.3     | 0.29     | 0.27     | 0.1      | 31      | 1.88       | 0.08       | 8        | 17.4     | 0.45      | 223.1    | 0.023      | 2       | 1.12       | 0.01       | 0.02      | 0.049   | 79       | 2.2      | 0.06     |
| 11CB1315a | 57.8     | 0.34     | 0.26     | 0.1      | 58      | 2          | 0.15       | 8.8      | 50.6     | 0.9       | 252.2    | 0.063      | 2       | 1.52       | 0.014      | 0.04      | 0.049   | 53       | 4.1      | 0.08     |
| 11AN0605a | 69.9     | 0.44     | 0.23     | 0.08     | 19      | 3.99       | 0.076      | 3.9      | 13       | 0.25      | 230.2    | 0.017      | 3       | 0.68       | 0.015      | 0.02      | 0.049   | 81       | 1.1      | 0.04     |
| 11AN0606a | 96       | 0.39     | 0.19     | 0.07     | 8       | 4.93       | 0.084      | 1.9      | 6.9      | 0.2       | 342.6    | 0.009      | 7       | 0.34       | 0.01       | 0.02      | 0.049   | 66       | 0.4      | 0.04     |
| 11AN0607a | 62.6     | 0.28     | 0.3      | 0.08     | 30      | 2.95       | 0.089      | 6        | 23.5     | 0.39      | 269.9    | 0.03       | 3       | 0.97       | 0.018      | 0.02      | 0.049   | 52       | 1.9      | 0.05     |
| 11AN0608a | 69       | 0.33     | 0.25     | 0.08     | 26      | 3.94       | 0.09       | 5.4      | 17.8     | 0.6       | 245      | 0.019      | 5       | 0.83       | 0.014      | 0.03      | 0.049   | 58       | 1.3      | 0.03     |
| 11AN0609a | 70.6     | 0.22     | 0.33     | 0.1      | 30      | 3.38       | 0.082      | 6.7      | 23.4     | 0.61      | 242.6    | 0.033      | 5       | 1.09       | 0.015      | 0.03      | 0.049   | 63       | 2.2      | 0.05     |
| 11AN0610a | 62.3     | 0.25     | 0.36     | 0.09     | 40      | 2.75       | 0.084      | 12.2     | 29.6     | 1.07      | 246.3    | 0.04       | 3       | 1.46       | 0.015      | 0.03      | 0.1     | 45       | 3.2      | 0.06     |
| 11AN0611a | 65       | 0.46     | 0.64     | 0.08     | 41      | 2.93       | 0.09       | 12       | 21.3     | 0.72      | 461.4    | 0.028      | 4       | 1.06       | 0.013      | 0.03      | 0.049   | 52       | 2.3      | 0.04     |
| 11AN0612a | 56.9     | 0.33     | 0.79     | 0.07     | 32      | 2.88       | 0.081      | 8.4      | 17.8     | 0.57      | 281.6    | 0.028      | 3       | 0.88       | 0.011      | 0.03      | 0.1     | 50       | 1.9      | 0.04     |
| 11AN0613a | 57.9     | 0.22     | 7.09     | 0.05     | 39      | 2.9        | 0.085      | 16.7     | 10.9     | 0.54      | 226.2    | 0.014      | 3       | 1          | 0.008      | 0.05      | 1.6     | 82       | 3.3      | 0.05     |
| 11AN0614a | 69.8     | 0.34     | 4.44     | 0.05     | 23      | 3.49       | 0.099      | 25.9     | 9.4      | 0.36      | 429.1    | 0.012      | 4       | 0.73       | 0.01       | 0.03      | 0.4     | 93       | 1.3      | 0.16     |
| 11AN0615a | 119.8    | 0.05     | 0.37     | 0.07     | 35      | 1.46       | 0.059      | 49.5     | 14       | 0.44      | 355.4    | 0.024      | 2       | 1.15       | 0.015      | 0.03      | 0.1     | 95       | 4.1      | 0.06     |
| 11AN0616a | 28.5     | 0.15     | 0.38     | 0.1      | 40      | 0.5        | 0.057      | 12.8     | 13.5     | 0.31      | 431      | 0.02       | 0.49    | 1.08       | 0.009      | 0.08      | 0.2     | 65       | 3.1      | 0.05     |
| 11AN0617a | 36.2     | 0.19     | 0.31     | 0.17     | 54      | 0.47       | 0.065      | 26.5     | 25.3     | 0.38      | 736.8    | 0.017      | 1       | 2.14       | 0.008      | 0.09      | 0.1     | 99       | 6.9      | 0.06     |
| 11AN0618a | 59.1     | 0.17     | 0.29     | 0.1      | 54      | 0.95       | 0.075      | 12.8     | 13.8     | 0.39      | 631      | 0.02       | 1       | 1.16       | 0.01       | 0.07      | 0.049   | 56       | 4.5      | 0.04     |
| 11AN0619a | 49.7     | 0.27     | 0.39     | 0.14     | 32      | 0.79       | 0.077      | 22.7     | 14.5     | 0.31      | 324.6    | 0.032      | 0.49    | 1.21       | 0.011      | 0.09      | 0.049   | 120      | 3.6      | 0.06     |
| 11AN0620a | 23.3     | 0.28     | 0.19     | 0.06     | 28      | 0.39       | 0.053      | 4.1      | 8.3      | 0.19      | 228      | 0.03       | 2       | 0.48       | 0.012      | 0.06      | 0.049   | 92       | 1.2      | 0.03     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0622a | 31.9     | 0.13     | 0.3      | 0.09     | 57      | 0.68       | 0.061      | 17.6     | 18.6     | 0.5       | 153.6    | 0.05       | 0.49    | 1.37       | 0.013      | 0.05      | 0.1     | 61       | 3.3      | 0.04     |
| 11AN0623a | 49.3     | 0.19     | 0.32     | 0.12     | 46      | 2.11       | 0.085      | 10.7     | 25.6     | 0.76      | 289      | 0.039      | 3       | 1.25       | 0.015      | 0.04      | 0.049   | 40       | 2.8      | 0.0099   |
| 11CB1302a | 50.4     | 0.25     | 0.2      | 0.07     | 54      | 1.66       | 0.13       | 8.1      | 48.7     | 0.85      | 229.8    | 0.064      | 1       | 1.42       | 0.013      | 0.04      | 0.049   | 60       | 4        | 0.06     |
| 11CB1303a | 52.4     | 0.26     | 0.22     | 0.07     | 53      | 1.75       | 0.131      | 8        | 48.2     | 0.89      | 231.2    | 0.068      | 2       | 1.51       | 0.014      | 0.05      | 0.049   | 42       | 4.2      | 0.07     |
| 11CB1304a | 43.9     | 0.2      | 0.19     | 0.05     | 51      | 1.46       | 0.129      | 7        | 45.7     | 0.9       | 208.7    | 0.065      | 1       | 1.46       | 0.012      | 0.03      | 0.049   | 34       | 3.7      | 0.07     |
| 11CB1305a | 48.1     | 0.22     | 0.24     | 0.05     | 52      | 1.65       | 0.161      | 8.3      | 48.9     | 0.95      | 215.8    | 0.068      | 2       | 1.51       | 0.014      | 0.04      | 0.049   | 40       | 4.1      | 0.07     |
| 11CB1306a | 47.2     | 0.23     | 0.19     | 0.07     | 46      | 1.6        | 0.117      | 7.3      | 42.8     | 0.78      | 203.3    | 0.061      | 2       | 1.3        | 0.013      | 0.04      | 0.049   | 45       | 3.6      | 0.06     |
| 11CB1307a | 48.2     | 0.27     | 0.19     | 0.06     | 45      | 1.68       | 0.111      | 7.2      | 40.2     | 0.72      | 204.3    | 0.055      | 2       | 1.26       | 0.013      | 0.03      | 0.049   | 53       | 3.4      | 0.06     |
| 11CB1308a | 50.1     | 0.29     | 0.22     | 0.05     | 50      | 1.73       | 0.14       | 8.2      | 46.7     | 0.89      | 233.4    | 0.059      | 2       | 1.47       | 0.013      | 0.04      | 0.049   | 46       | 4        | 0.07     |
| 11CB1309a | 55.3     | 0.28     | 0.26     | 0.07     | 50      | 1.95       | 0.144      | 8.7      | 45.2     | 0.83      | 252.2    | 0.056      | 2       | 1.41       | 0.013      | 0.04      | 0.049   | 52       | 3.9      | 0.07     |
| 11CB1310a | 50.7     | 0.26     | 0.22     | 0.06     | 46      | 1.78       | 0.134      | 8        | 43.8     | 0.81      | 226.7    | 0.054      | 2       | 1.38       | 0.012      | 0.03      | 0.049   | 50       | 3.7      | 0.06     |
| 11CB1311a | 51.9     | 0.23     | 0.22     | 0.06     | 52      | 1.78       | 0.143      | 8.3      | 47.8     | 0.88      | 235.3    | 0.062      | 2       | 1.47       | 0.013      | 0.04      | 0.049   | 55       | 4.1      | 0.07     |
| 11CB1312a | 51.5     | 0.27     | 0.22     | 0.06     | 48      | 1.75       | 0.121      | 8.1      | 44.7     | 0.78      | 224.4    | 0.056      | 2       | 1.36       | 0.013      | 0.04      | 0.049   | 44       | 3.8      | 0.06     |
| 11CB1313a | 49.8     | 0.23     | 0.21     | 0.06     | 49      | 1.69       | 0.141      | 7.9      | 44.7     | 0.85      | 216.8    | 0.061      | 2       | 1.41       | 0.013      | 0.04      | 0.049   | 45       | 3.7      | 0.07     |
| 11CB1314a | 54.8     | 0.26     | 0.3      | 0.17     | 60      | 1.9        | 0.152      | 8.4      | 49.8     | 0.93      | 238.7    | 0.062      | 3       | 1.53       | 0.012      | 0.04      | 0.049   | 57       | 4.1      | 0.08     |
| 11CB1316a | 55.7     | 0.3      | 0.22     | 0.12     | 61      | 1.92       | 0.151      | 8.8      | 50.6     | 0.93      | 246.2    | 0.065      | 2       | 1.54       | 0.015      | 0.04      | 0.049   | 49       | 4        | 0.07     |
| 11CB1317a | 52.9     | 0.3      | 0.22     | 0.08     | 58      | 1.8        | 0.146      | 8.6      | 50.1     | 0.92      | 234.9    | 0.064      | 2       | 1.52       | 0.014      | 0.04      | 0.049   | 42       | 4.1      | 0.07     |
| 11CB1318a | 48.2     | 0.24     | 0.21     | 0.15     | 51      | 1.64       | 0.127      | 7.5      | 43.8     | 0.81      | 207.5    | 0.057      | 2       | 1.31       | 0.011      | 0.04      | 0.049   | 45       | 3.4      | 0.06     |
| 11CB1319a | 54.2     | 0.31     | 0.21     | 0.08     | 53      | 1.84       | 0.136      | 8.1      | 46.4     | 0.84      | 228.9    | 0.062      | 2       | 1.4        | 0.014      | 0.04      | 0.049   | 50       | 3.7      | 0.07     |
| 11CB1320a | 49.5     | 0.29     | 0.19     | 0.07     | 54      | 1.68       | 0.129      | 8.2      | 46.5     | 0.86      | 223.9    | 0.059      | 1       | 1.42       | 0.013      | 0.04      | 0.049   | 38       | 3.8      | 0.07     |
| 11CB1321a | 53.7     | 0.32     | 0.22     | 0.08     | 58      | 1.84       | 0.15       | 8.5      | 50.5     | 0.9       | 234.4    | 0.067      | 2       | 1.47       | 0.014      | 0.04      | 0.049   | 39       | 4        | 0.07     |
| 11CB1073a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1074a | 30.4     | 0.86     | 0.24     | 0.23     | 25      | 0.59       | 0.066      | 5.2      | 10.5     | 0.18      | 782.4    | 0.029      | 3       | 0.58       | 0.015      | 0.1       | 0.1     | 108      | 1.2      | 0.08     |
| 11CB1075a | 185.6    | 0.77     | 0.17     | 0.08     | 15      | 5.93       | 0.217      | 2.4      | 6        | 0.16      | 1345.5   | 0.019      | 4       | 0.3        | 0.018      | 0.1       | 0.049   | 17       | 1.1      | 0.04     |
| 11CB1076a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1077a | 39.5     | 0.48     | 0.14     | 0.14     | 19      | 0.65       | 0.11       | 10.6     | 10       | 0.12      | 596.6    | 0.012      | 0.49    | 0.9        | 0.019      | 0.17      | 0.049   | 20       | 2.3      | 0.06     |
| 11CB1078a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1079a | 83.1     | 1.4      | 0.26     | 0.11     | 11      | 1.54       | 0.242      | 12.6     | 7.1      | 0.17      | 831.7    | 0.008      | 3       | 0.71       | 0.016      | 0.09      | 0.049   | 124      | 0.5      | 0.05     |
| 11CB1080a | 69.7     | 0.41     | 0.33     | 0.16     | 32      | 0.99       | 0.151      | 17.3     | 12.8     | 0.36      | 579.7    | 0.039      | 3       | 1.4        | 0.011      | 0.1       | 0.1     | 114      | 4.1      | 0.1      |
| 11CB1082a | 68.5     | 0.56     | 0.32     | 0.14     | 25      | 1.12       | 0.117      | 17       | 13.4     | 0.3       | 544.9    | 0.028      | 2       | 1.12       | 0.014      | 0.05      | 0.049   | 116      | 2.4      | 0.09     |
| 11CB1083a | 74       | 0.47     | 0.35     | 0.12     | 25      | 1.34       | 0.114      | 20.8     | 14.3     | 0.3       | 595.3    | 0.026      | 3       | 1.2        | 0.015      | 0.05      | 0.049   | 117      | 2.5      | 0.08     |
| 11CB1084a | 66.3     | 0.43     | 0.37     | 0.17     | 42      | 1.09       | 0.12       | 18.7     | 21       | 0.45      | 543.2    | 0.047      | 2       | 1.65       | 0.014      | 0.07      | 0.1     | 88       | 4.2      | 0.1      |
| 11CB1085a | 54.5     | 0.54     | 0.45     | 0.12     | 37      | 0.93       | 0.069      | 8.4      | 22.5     | 0.49      | 236.6    | 0.064      | 3       | 1.14       | 0.026      | 0.06      | 0.2     | 45       | 2.6      | 0.08     |
| 11CB1086a | 30       | 0.96     | 0.49     | 0.12     | 13      | 0.4        | 0.144      | 2.8      | 8.2      | 0.12      | 309.8    | 0.003      | 1       | 0.59       | 0.018      | 0.08      | 0.049   | 94       | 0.2      | 0.05     |
| 11CB1087a | 38.6     | 0.87     | 0.39     | 0.13     | 17      | 0.79       | 0.129      | 3.4      | 8.6      | 0.13      | 295.2    | 0.009      | 2       | 0.47       | 0.016      | 0.07      | 0.049   | 88       | 0.2      | 0.06     |
| 11CB1088a | 66       | 1.75     | 0.37     | 0.19     | 29      | 0.92       | 0.315      | 26.5     | 16       | 0.2       | 856.3    | 0.042      | 2       | 1.17       | 0.022      | 0.14      | 0.049   | 29       | 2.9      | 0.05     |
| 11CB1089a | 70.2     | 1.66     | 0.25     | 0.14     | 16      | 1.43       | 0.224      | 31.6     | 11.5     | 0.18      | 566.9    | 0.009      | 3       | 0.78       | 0.021      | 0.08      | 0.049   | 73       | 0.6      | 0.05     |
| 11CB1090a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1091a | 17.8     | 0.34     | 0.22     | 0.09     | 15      | 0.16       | 0.076      | 3.5      | 7.3      | 0.07      | 208.2    | 0.006      | 1       | 0.42       | 0.014      | 0.05      | 0.049   | 85       | 0.2      | 0.03     |
| 11CB1092a | 33.6     | 0.63     | 0.29     | 0.13     | 41      | 0.34       | 0.062      | 8.4      | 17.2     | 0.32      | 319.3    | 0.05       | 0.49    | 1.22       | 0.01       | 0.09      | 0.1     | 82       | 1.9      | 0.06     |
| 11CB1093a | 20.9     | 0.28     | 0.24     | 0.26     | 32      | 0.19       | 0.058      | 7.7      | 14.7     | 0.24      | 211.1    | 0.059      | 0.49    | 0.93       | 0.009      | 0.08      | 0.1     | 67       | 1.9      | 0.06     |
| 11CB1094a | 30.4     | 0.33     | 0.25     | 0.19     | 17      | 0.38       | 0.06       | 16.7     | 12.5     | 0.13      | 366.8    | 0.015      | 2       | 0.63       | 0.016      | 0.07      | 0.049   | 76       | 0.5      | 0.08     |
| 11CB1095a | 48.6     | 0.28     | 0.26     | 0.11     | 7       | 0.75       | 0.105      | 47.2     | 9.5      | 0.12      | 481.4    | 0.021      | 2       | 0.74       | 0.011      | 0.05      | 0.049   | 113      | 2.2      | 0.06     |
| 11CB1096a | 53.7     | 0.33     | 0.25     | 0.15     | 16      | 1.14       | 0.108      | 46.5     | 14.2     | 0.2       | 508.8    | 0.044      | 2       | 1.21       | 0.011      | 0.07      | 0.049   | 92       | 4.1      | 0.09     |
| 11CB1097a | 36.9     | 0.21     | 0.25     | 0.17     | 24      | 0.58       | 0.092      | 42       | 16.5     | 0.28      | 451      | 0.063      | 1       | 1.4        | 0.01       | 0.1       | 0.1     | 91       | 4.9      | 0.11     |
| 11CB1098a | 34.4     | 0.18     | 0.23     | 0.17     | 23      | 0.5        | 0.091      | 46.5     | 17.2     | 0.28      | 448.1    | 0.064      | 1       | 1.51       | 0.011      | 0.09      | 0.1     | 78       | 4.9      | 0.12     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11CB1099a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1100a | 18.9     | 0.24     | 0.15     | 0.1      | 15      | 0.27       | 0.08       | 15.7     | 8.4      | 0.16      | 214.6    | 0.03       | 1       | 0.58       | 0.013      | 0.07      | 0.049   | 150      | 2.1      | 0.06     |
| 11CB1102a | 16.2     | 0.08     | 0.15     | 0.15     | 52      | 0.28       | 0.059      | 19       | 20.8     | 0.67      | 235.9    | 0.097      | 1       | 1.63       | 0.011      | 0.19      | 0.2     | 54       | 4.8      | 0.15     |
| 11CB1103a | 26.6     | 0.51     | 0.19     | 0.13     | 62      | 0.34       | 0.17       | 20.2     | 19.4     | 0.57      | 481.5    | 0.083      | 2       | 1.61       | 0.014      | 0.14      | 0.049   | 19       | 7.1      | 0.06     |
| 11CB1104a | 45.2     | 0.55     | 0.22     | 0.09     | 56      | 0.88       | 0.087      | 64.4     | 13       | 0.58      | 662.6    | 0.063      | 1       | 1.48       | 0.012      | 0.26      | 0.049   | 78       | 8.8      | 0.1      |
| 11CB1105a | 15.6     | 0.33     | 0.15     | 0.1      | 41      | 0.2        | 0.057      | 19       | 14.7     | 0.3       | 246.5    | 0.035      | 0.49    | 1.01       | 0.013      | 0.07      | 0.049   | 54       | 2.9      | 0.06     |
| 11CB1106a | 21.2     | 1.03     | 0.17     | 0.1      | 28      | 0.33       | 0.07       | 10.9     | 10.9     | 0.18      | 530.6    | 0.023      | 0.49    | 0.57       | 0.014      | 0.13      | 0.049   | 80       | 1.2      | 0.07     |
| 11CB1107a | 18       | 0.17     | 0.16     | 0.33     | 34      | 0.33       | 0.042      | 17.4     | 12.4     | 0.26      | 316.7    | 0.036      | 0.49    | 0.84       | 0.011      | 0.08      | 0.1     | 63       | 2.6      | 0.07     |
| 11CB1108a | 59.7     | 0.46     | 0.24     | 0.14     | 44      | 1.35       | 0.081      | 49.3     | 16.8     | 0.53      | 490.2    | 0.034      | 2       | 1.47       | 0.012      | 0.11      | 0.1     | 106      | 5.3      | 0.13     |
| 11CB1109a | 56.6     | 0.5      | 0.24     | 0.12     | 49      | 1.31       | 0.075      | 52.6     | 18.2     | 0.59      | 560.5    | 0.034      | 0.49    | 1.59       | 0.012      | 0.12      | 0.1     | 108      | 5.8      | 0.13     |
| 11CB1110a | 62       | 0.55     | 0.21     | 0.1      | 37      | 1.41       | 0.076      | 47.8     | 14.1     | 0.44      | 569.7    | 0.025      | 1       | 1.23       | 0.013      | 0.09      | 0.049   | 110      | 4.3      | 0.09     |
| 11CB1111a | 76.8     | 0.68     | 0.22     | 0.09     | 33      | 1.74       | 0.092      | 44.5     | 12.7     | 0.46      | 590.5    | 0.023      | 2       | 1.13       | 0.014      | 0.1       | 0.049   | 133      | 3.8      | 0.09     |
| 11CB1112a | 70.3     | 0.34     | 0.21     | 0.06     | 32      | 2.41       | 0.075      | 10.4     | 13.3     | 0.43      | 585.7    | 0.019      | 2       | 1.01       | 0.013      | 0.05      | 0.049   | 57       | 2.6      | 0.04     |
| 11CB1113a | 79.4     | 0.28     | 0.2      | 0.06     | 25      | 2.92       | 0.074      | 8.5      | 11.4     | 0.37      | 615      | 0.014      | 3       | 0.92       | 0.012      | 0.04      | 0.049   | 70       | 1.9      | 0.04     |
| 11CB1114a | 83.7     | 0.3      | 0.24     | 0.09     | 24      | 3.18       | 0.079      | 8.3      | 12.2     | 0.36      | 659      | 0.016      | 4       | 0.88       | 0.015      | 0.04      | 0.049   | 80       | 2.1      | 0.04     |
| 11CB1115a | 76.3     | 0.3      | 0.27     | 0.09     | 30      | 2.86       | 0.079      | 10.3     | 13.6     | 0.41      | 663.5    | 0.019      | 3       | 1.03       | 0.012      | 0.04      | 0.049   | 72       | 2.6      | 0.04     |
| 11CB1116a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1117a | 89.1     | 0.18     | 0.33     | 0.12     | 24      | 2.56       | 0.073      | 15.7     | 9.9      | 0.26      | 712.9    | 0.024      | 5       | 0.87       | 0.012      | 0.06      | 0.1     | 82       | 1.9      | 0.05     |
| 11CB1118a | 92.1     | 0.17     | 0.31     | 0.12     | 28      | 2.58       | 0.074      | 17.9     | 11.7     | 0.3       | 764.2    | 0.029      | 4       | 1.03       | 0.013      | 0.07      | 0.1     | 105      | 2.3      | 0.06     |
| 11CB1119a | 95.2     | 0.24     | 0.35     | 0.17     | 22      | 2.79       | 0.072      | 13.3     | 8.6      | 0.24      | 737.6    | 0.023      | 6       | 0.79       | 0.016      | 0.06      | 0.049   | 109      | 1.8      | 0.05     |
| 11CB1120a | 53.6     | 0.84     | 0.4      | 0.16     | 35      | 1.09       | 0.067      | 7.1      | 19       | 0.45      | 243.3    | 0.043      | 2       | 0.96       | 0.022      | 0.07      | 0.1     | 54       | 2.3      | 0.06     |
| 11CB1122A | 57.9     | 1.09     | 0.43     | 0.15     | 24      | 1.1        | 0.079      | 9.1      | 13       | 0.27      | 277.9    | 0.029      | 4       | 0.65       | 0.015      | 0.04      | 0.2     | 112      | 2        | 0.05     |
| 11CB1123a | 52.9     | 0.89     | 0.43     | 0.19     | 22      | 0.97       | 0.075      | 8.9      | 13       | 0.27      | 285.7    | 0.031      | 3       | 0.65       | 0.014      | 0.05      | 0.2     | 97       | 1.9      | 0.05     |
| 11CB1124a | 47.4     | 0.44     | 0.35     | 0.16     | 41      | 0.81       | 0.076      | 9.6      | 25.2     | 0.57      | 219.4    | 0.059      | 2       | 1.24       | 0.022      | 0.07      | 0.2     | 40       | 3.1      | 0.08     |
| 11AN0001A | 25.5     | 0.52     | 0.22     | 0.11     | 20      | 0.22       | 0.132      | 9.5      | 13.9     | 0.1       | 314.5    | 0.004      | 1       | 0.81       | 0.014      | 0.06      | 0.049   | 93       | 0.3      | 0.06     |
| 11AN0002A | 75       | 2.74     | 0.31     | 0.14     | 32      | 1.04       | 0.093      | 5.6      | 13.6     | 0.18      | 597.2    | 0.032      | 2       | 0.56       | 0.015      | 0.1       | 0.049   | 132      | 0.8      | 0.08     |
| 11AN0003A | 16.9     | 0.45     | 0.21     | 0.12     | 26      | 0.14       | 0.084      | 5.8      | 14.2     | 0.06      | 171.6    | 0.008      | 0.49    | 0.75       | 0.01       | 0.05      | 0.049   | 65       | 0.3      | 0.04     |
| 11AN0004A | 19.7     | 0.54     | 0.25     | 0.11     | 23      | 0.16       | 0.116      | 8.1      | 14.2     | 0.07      | 231.4    | 0.004      | 1       | 0.63       | 0.014      | 0.06      | 0.049   | 80       | 0.3      | 0.03     |
| 11CB0706A | 39.2     | 0.75     | 0.39     | 0.26     | 50      | 0.39       | 0.185      | 16.2     | 23.5     | 0.25      | 706.8    | 0.042      | 2       | 1.28       | 0.019      | 0.08      | 0.049   | 35       | 3        | 0.13     |
| 11CB0707A | 33.4     | 0.42     | 0.45     | 0.25     | 64      | 0.44       | 0.128      | 6.5      | 21.4     | 0.28      | 332.5    | 0.058      | 2       | 0.97       | 0.016      | 0.14      | 0.049   | 2.49     | 1.9      | 0.09     |
| 11CB0708A | 47       | 0.79     | 0.26     | 0.21     | 32      | 0.69       | 0.128      | 7.5      | 13.8     | 0.13      | 485.8    | 0.038      | 3       | 0.69       | 0.019      | 0.13      | 0.049   | 12       | 1.6      | 0.06     |
| 11CB0709A | 20.9     | 0.9      | 0.15     | 0.15     | 16      | 0.15       | 0.123      | 3.2      | 10       | 0.06      | 281      | 0.003      | 2       | 0.53       | 0.012      | 0.05      | 0.049   | 88       | 0.3      | 0.05     |
| 11CB0710A | 79.6     | 3.2      | 0.19     | 0.19     | 17      | 1.21       | 0.216      | 18.8     | 13.3     | 0.15      | 853.5    | 0.006      | 2       | 0.76       | 0.017      | 0.11      | 0.049   | 93       | 0.4      | 0.06     |
| 11DS0715A | 72.3     | 0.7      | 0.56     | 0.15     | 47      | 0.95       | 0.097      | 6        | 23.1     | 0.4       | 656.3    | 0.063      | 2       | 1.15       | 0.014      | 0.1       | 0.1     | 138      | 1.7      | 0.12     |
| 11DS0716A | 42.4     | 1.11     | 0.27     | 0.14     | 21      | 0.28       | 0.118      | 7.8      | 14.8     | 0.08      | 440.4    | 0.004      | 1       | 0.66       | 0.012      | 0.08      | 0.049   | 103      | 0.3      | 0.03     |
| 11DS0717A | 34.4     | 2.36     | 0.23     | 0.11     | 16      | 0.16       | 0.143      | 3.8      | 10.8     | 0.08      | 544.5    | 0.004      | 0.49    | 0.46       | 0.019      | 0.08      | 0.049   | 132      | 0.2      | 0.06     |
| 11DS0718A | 25.9     | 0.76     | 0.23     | 0.11     | 19      | 0.17       | 0.107      | 4        | 11.3     | 0.08      | 308.6    | 0.004      | 0.49    | 0.55       | 0.016      | 0.06      | 0.049   | 103      | 0.2      | 0.03     |
| 11TB0743A | 26.8     | 0.59     | 0.21     | 0.22     | 18      | 0.18       | 0.095      | 7.1      | 18.2     | 0.09      | 234.6    | 0.003      | 2       | 0.56       | 0.014      | 0.07      | 0.049   | 106      | 0.049    | 0.06     |
| 11TB0744A | 24.4     | 0.55     | 0.2      | 0.13     | 21      | 0.17       | 0.088      | 4.1      | 13.4     | 0.08      | 240.2    | 0.006      | 2       | 0.68       | 0.013      | 0.05      | 0.049   | 111      | 0.1      | 0.05     |
| 11TB0745A | 31       | 1.09     | 0.22     | 0.11     | 16      | 0.31       | 0.156      | 8.9      | 10.9     | 0.07      | 403.3    | 0.002      | 2       | 0.85       | 0.014      | 0.05      | 0.049   | 126      | 0.049    | 0.02     |
| 11TB0746A | 88       | 0.3      | 0.44     | 0.06     | 12      | 1.55       | 0.107      | 16.5     | 10.1     | 0.19      | 483.3    | 0.017      | 5       | 0.54       | 0.017      | 0.04      | 0.049   | 157      | 0.9      | 0.06     |
| 11AN0005A | 94.7     | 0.29     | 0.24     | 0.04     | 7       | 2.36       | 0.079      | 6.3      | 7.2      | 0.27      | 371.2    | 0.012      | 4       | 0.31       | 0.021      | 0.02      | 0.049   | 109      | 0.8      | 0.03     |
| 11AN0006A | 37.2     | 0.53     | 0.19     | 0.1      | 25      | 0.42       | 0.093      | 11.6     | 29.7     | 0.22      | 276.1    | 0.038      | 1       | 0.69       | 0.017      | 0.08      | 0.049   | 100      | 1.7      | 0.07     |
| 11AN0007A | 47.8     | 0.35     | 0.19     | 0.07     | 8       | 0.57       | 0.111      | 33.6     | 15.1     | 0.09      | 336.2    | 0.02       | 2       | 0.62       | 0.021      | 0.04      | 0.049   | 92       | 1.8      | 0.04     |
| 11AN0008A | 128.2    | 0.34     | 0.47     | 0.2      | 33      | 1.76       | 0.094      | 37.3     | 15       | 0.36      | 369.8    | 0.035      | 5       | 1.06       | 0.014      | 0.06      | 0.1     | 77       | 2.6      | 0.11     |
| 11AN0009A | 28.7     | 0.18     | 0.17     | 0.2      | 29      | 0.32       | 0.102      | 13.3     | 13.5     | 0.25      | 149      | 0.018      | 2       | 0.72       | 0.012      | 0.04      | 0.049   | 60       | 1.2      | 0.07     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0010A | 23.3     | 0.09     | 0.2      | 0.11     | 28      | 0.27       | 0.07       | 12.4     | 14.5     | 0.31      | 149.9    | 0.041      | 3       | 1.06       | 0.011      | 0.06      | 0.1     | 41       | 2        | 0.1      |
| 11AN0011A | 11       | 0.07     | 0.33     | 0.17     | 41      | 0.1        | 0.027      | 6.5      | 34.7     | 0.25      | 86.3     | 0.05       | 1       | 0.65       | 0.012      | 0.03      | 0.049   | 26       | 1.4      | 0.09     |
| 11AN0012A | 15.2     | 0.13     | 0.16     | 0.13     | 18      | 0.12       | 0.048      | 11.4     | 11.6     | 0.08      | 124.3    | 0.013      | 2       | 0.5        | 0.009      | 0.05      | 0.049   | 68       | 0.7      | 0.04     |
| 11AN0013A | 24.9     | 0.26     | 0.1      | 0.1      | 42      | 0.36       | 0.05       | 3        | 19.8     | 0.48      | 107.7    | 0.04       | 2       | 0.76       | 0.051      | 0.04      | 0.049   | 35       | 1.2      | 0.04     |
| 11AN0014A | 24.6     | 0.27     | 0.14     | 0.13     | 22      | 0.25       | 0.058      | 16.8     | 23.5     | 0.27      | 259.5    | 0.011      | 2       | 0.78       | 0.015      | 0.04      | 0.049   | 46       | 0.8      | 0.06     |
| 11AN0015A | 17.3     | 0.29     | 0.22     | 0.15     | 45      | 0.12       | 0.031      | 8.6      | 16.3     | 0.24      | 144.1    | 0.034      | 1       | 1.16       | 0.01       | 0.04      | 0.049   | 15       | 2.3      | 0.09     |
| 11AN0016A | 43.4     | 0.35     | 0.11     | 0.12     | 15      | 0.37       | 0.071      | 5.3      | 10.1     | 0.09      | 173      | 0.004      | 1       | 0.57       | 0.014      | 0.04      | 0.049   | 54       | 0.2      | 0.04     |
| 11AN0017A | 35       | 0.18     | 0.17     | 0.18     | 32      | 0.27       | 0.07       | 6.3      | 13.4     | 0.14      | 128.9    | 0.011      | 1       | 0.69       | 0.01       | 0.04      | 0.049   | 30       | 0.3      | 0.06     |
| 11AN0018A | 20.2     | 0.2      | 0.17     | 0.14     | 29      | 0.11       | 0.04       | 6.5      | 13.3     | 0.12      | 130.4    | 0.012      | 0.49    | 0.73       | 0.009      | 0.03      | 0.049   | 27       | 0.3      | 0.06     |
| 11AN0019A | 42.5     | 0.2      | 0.37     | 0.16     | 60      | 0.25       | 0.064      | 6.9      | 20       | 0.39      | 227.3    | 0.057      | 0.49    | 1.31       | 0.013      | 0.06      | 0.049   | 17       | 2        | 0.09     |
| 11AN0020A | 35.4     | 0.17     | 0.17     | 0.15     | 32      | 0.23       | 0.067      | 7        | 14.6     | 0.21      | 165.7    | 0.017      | 1       | 0.82       | 0.01       | 0.06      | 0.049   | 34       | 0.4      | 0.07     |
| 11AN0022A | 48.6     | 0.13     | 0.22     | 0.13     | 39      | 0.29       | 0.046      | 18.4     | 19.8     | 0.28      | 177.2    | 0.031      | 2       | 1.35       | 0.011      | 0.04      | 0.049   | 45       | 2.4      | 0.09     |
| 11AN0023A | 70       | 0.14     | 0.25     | 0.13     | 35      | 0.42       | 0.079      | 21.4     | 22.6     | 0.28      | 192.1    | 0.02       | 2       | 1.72       | 0.011      | 0.05      | 0.049   | 102      | 3.6      | 0.07     |
| 11AN0024A | 15.6     | 0.07     | 0.19     | 0.15     | 33      | 0.08       | 0.036      | 8        | 13.8     | 0.1       | 81.7     | 0.032      | 1       | 0.62       | 0.007      | 0.03      | 0.049   | 27       | 1.1      | 0.07     |
| 11AN0025A | 23.9     | 0.13     | 0.18     | 0.12     | 24      | 0.07       | 0.035      | 8.2      | 11.5     | 0.09      | 148.1    | 0.026      | 1       | 0.64       | 0.012      | 0.03      | 0.049   | 30       | 1.1      | 0.03     |
| 11CB0711A | 34.6     | 0.64     | 0.24     | 0.13     | 17      | 0.38       | 0.153      | 61.4     | 12.7     | 0.1       | 416      | 0.009      | 2       | 0.86       | 0.012      | 0.05      | 0.049   | 152      | 0.8      | 0.1      |
| 11CB0712A | 20.9     | 0.65     | 0.14     | 0.14     | 18      | 0.11       | 0.058      | 4.6      | 11.7     | 0.04      | 196.7    | 0.011      | 2       | 0.48       | 0.016      | 0.04      | 0.049   | 72       | 0.3      | 0.04     |
| 11CB0713A | 242.3    | 0.46     | 0.24     | 0.08     | 10      | 2.03       | 0.063      | 94.3     | 9.6      | 0.19      | 292      | 0.01       | 6       | 0.64       | 0.016      | 0.05      | 0.049   | 88       | 0.7      | 0.06     |
| 11CB0714A | 66.3     | 0.36     | 0.56     | 0.05     | 8       | 0.84       | 0.138      | 52.3     | 7.1      | 0.12      | 345      | 0.018      | 4       | 0.49       | 0.015      | 0.05      | 0.049   | 158      | 2.5      | 0.06     |
| 11CB0715A | 72       | 0.18     | 0.32     | 0.06     | 9       | 0.82       | 0.139      | 24.5     | 7        | 0.14      | 384.7    | 0.013      | 3       | 0.42       | 0.016      | 0.04      | 0.049   | 149      | 1.3      | 0.05     |
| 11CB0716A | 37.2     | 0.67     | 0.2      | 0.13     | 18      | 0.28       | 0.064      | 27.6     | 12.6     | 0.1       | 387      | 0.011      | 1       | 0.67       | 0.017      | 0.03      | 0.049   | 95       | 0.5      | 0.06     |
| 11CB0717A | 12.7     | 0.93     | 0.19     | 0.13     | 18      | 0.07       | 0.112      | 4.4      | 12.6     | 0.05      | 204.5    | 0.003      | 1       | 0.66       | 0.013      | 0.04      | 0.049   | 89       | 0.3      | 0.05     |
| 11CB0718A | 16.7     | 0.28     | 0.16     | 0.1      | 15      | 0.1        | 0.1        | 15.5     | 11.1     | 0.08      | 196.4    | 0.006      | 1       | 0.77       | 0.01       | 0.04      | 0.049   | 111      | 0.4      | 0.05     |
| 11CB0719A | 17.9     | 0.24     | 0.14     | 0.09     | 25      | 0.17       | 0.07       | 10.2     | 25.6     | 0.25      | 209      | 0.016      | 0.49    | 0.77       | 0.019      | 0.04      | 0.049   | 71       | 0.7      | 0.04     |
| 11CB0720A | 18.3     | 0.2      | 0.21     | 0.11     | 22      | 0.12       | 0.086      | 15.8     | 14.7     | 0.09      | 218      | 0.006      | 1       | 0.87       | 0.009      | 0.04      | 0.049   | 75       | 0.3      | 0.05     |
| 11CB0722A | 29.9     | 0.33     | 0.21     | 0.13     | 23      | 0.17       | 0.076      | 5.4      | 11.3     | 0.09      | 228.2    | 0.013      | 1       | 0.78       | 0.012      | 0.04      | 0.049   | 80       | 0.4      | 0.05     |
| 11CB0723A | 21.4     | 0.32     | 0.14     | 0.1      | 14      | 0.13       | 0.107      | 4.4      | 10.8     | 0.07      | 320.8    | 0.003      | 1       | 0.65       | 0.012      | 0.05      | 0.049   | 126      | 0.2      | 0.04     |
| 11CB0724A | 42.8     | 0.28     | 0.1      | 0.16     | 17      | 0.22       | 0.048      | 6.2      | 13.9     | 0.08      | 258.5    | 0.013      | 1       | 0.62       | 0.017      | 0.04      | 0.049   | 64       | 0.3      | 0.07     |
| 11CB0725A | 62.1     | 0.4      | 0.23     | 0.38     | 22      | 0.31       | 0.061      | 4.9      | 9.5      | 0.12      | 257.7    | 0.015      | 1       | 0.44       | 0.014      | 0.05      | 0.049   | 83       | 0.5      | 0.08     |
| 11CB0726A | 40.3     | 0.88     | 0.13     | 0.17     | 16      | 0.29       | 0.064      | 4.4      | 10       | 0.07      | 376.1    | 0.006      | 2       | 0.38       | 0.021      | 0.05      | 0.049   | 73       | 0.4      | 0.09     |
| 11CB0727A | 24.1     | 0.34     | 0.11     | 0.13     | 13      | 0.07       | 0.089      | 5        | 9.7      | 0.04      | 156.2    | 0.003      | 0.49    | 0.46       | 0.017      | 0.04      | 0.049   | 71       | 0.3      | 0.04     |
| 11CB0728A | 51.9     | 0.41     | 0.16     | 0.1      | 12      | 0.19       | 0.089      | 27       | 11.3     | 0.06      | 222.7    | 0.007      | 1       | 0.87       | 0.019      | 0.03      | 0.049   | 102      | 0.5      | 0.07     |
| 11CB0729A | 45.6     | 0.4      | 0.15     | 0.09     | 10      | 0.17       | 0.076      | 21.3     | 8.7      | 0.06      | 202.8    | 0.006      | 1       | 0.65       | 0.016      | 0.03      | 0.049   | 112      | 0.4      | 0.06     |
| 11CB0730A | 55.6     | 0.4      | 0.18     | 0.1      | 12      | 0.21       | 0.09       | 28.3     | 11.3     | 0.06      | 240.9    | 0.006      | 1       | 0.86       | 0.018      | 0.03      | 0.049   | 97       | 0.5      | 0.05     |
| 11CB0731A | 17.7     | 0.09     | 0.15     | 0.12     | 26      | 0.08       | 0.033      | 5.9      | 10.3     | 0.07      | 89.2     | 0.024      | 0.49    | 0.56       | 0.008      | 0.03      | 0.049   | 41       | 0.7      | 0.06     |
| 11DS0719A | 33.7     | 3.46     | 0.23     | 0.12     | 21      | 0.3        | 0.112      | 44.7     | 12.5     | 0.14      | 423.9    | 0.001      | 0.49    | 0.72       | 0.011      | 0.05      | 0.049   | 85       | 0.2      | 0.03     |
| 11DS0720A | 22       | 0.79     | 0.23     | 0.12     | 20      | 0.11       | 0.097      | 9.3      | 12.8     | 0.06      | 201.2    | 0.002      | 0.49    | 0.51       | 0.015      | 0.04      | 0.049   | 79       | 0.2      | 0.03     |
| 11DS0721A | 57.2     | 0.31     | 0.31     | 0.07     | 11      | 0.65       | 0.145      | 131.2    | 10.9     | 0.11      | 489.2    | 0.02       | 2       | 0.89       | 0.011      | 0.05      | 0.049   | 171      | 2.4      | 0.06     |
| 11DS0722A | 274.1    | 0.26     | 0.26     | 0.04     | 6       | 3.28       | 0.064      | 17.5     | 5.4      | 0.28      | 407.4    | 0.011      | 5       | 0.25       | 0.017      | 0.02      | 0.049   | 133      | 0.7      | 0.03     |
| 11DS0723A | 139.2    | 0.23     | 0.23     | 0.09     | 15      | 2.03       | 0.128      | 31.1     | 11.6     | 0.28      | 385.6    | 0.022      | 1       | 0.56       | 0.014      | 0.02      | 0.049   | 89       | 2.5      | 0.04     |
| 11DS0724A | 82.5     | 0.6      | 0.16     | 0.18     | 9       | 0.67       | 0.07       | 15.3     | 6.7      | 0.11      | 359.4    | 0.005      | 1       | 0.42       | 0.014      | 0.04      | 0.049   | 91       | 0.4      | 0.03     |
| 11DS0725A | 24.4     | 1.14     | 0.16     | 0.2      | 13      | 0.12       | 0.114      | 6        | 8.7      | 0.05      | 299.6    | 0.001      | 1       | 0.56       | 0.017      | 0.03      | 0.049   | 107      | 0.3      | 0.04     |
| 11DS0726A | 34.2     | 0.6      | 0.14     | 0.13     | 10      | 0.18       | 0.101      | 35.7     | 11       | 0.05      | 372.2    | 0.002      | 0.49    | 0.84       | 0.014      | 0.02      | 0.049   | 74       | 0.3      | 0.04     |
| 11DS0727A | 36.4     | 0.31     | 0.18     | 0.11     | 16      | 0.17       | 0.092      | 22.8     | 12.1     | 0.06      | 371.3    | 0.002      | 0.49    | 0.64       | 0.013      | 0.03      | 0.049   | 107      | 0.3      | 0.06     |
| 11DS0728A | 17.5     | 0.39     | 0.13     | 0.09     | 14      | 0.07       | 0.067      | 7.3      | 15.3     | 0.06      | 184.3    | 0.005      | 0.49    | 0.46       | 0.012      | 0.03      | 0.049   | 100      | 0.2      | 0.03     |
| 11DS0729A | 45.5     | 0.6      | 0.17     | 0.12     | 10      | 0.43       | 0.095      | 34.3     | 9        | 0.08      | 1056.2   | 0.002      | 1       | 0.55       | 0.014      | 0.04      | 0.049   | 110      | 0.4      | 0.03     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS0730A | 55.5     | 0.75     | 0.16     | 0.11     | 15      | 0.35       | 0.125      | 4.1      | 10.6     | 0.08      | 329.8    | 0.001      | 1       | 0.51       | 0.017      | 0.05      | 0.049   | 121      | 0.2      | 0.04     |
| 11DS0731A | 27.2     | 0.76     | 0.15     | 0.36     | 15      | 0.11       | 0.107      | 4.1      | 10.8     | 0.05      | 254.1    | 0.002      | 0.49    | 0.65       | 0.017      | 0.03      | 0.049   | 97       | 0.2      | 0.03     |
| 11DS0732A | 35.5     | 0.95     | 0.18     | 0.13     | 15      | 0.12       | 0.116      | 3.9      | 10       | 0.05      | 230.1    | 0.001      | 0.49    | 0.5        | 0.017      | 0.04      | 0.049   | 107      | 0.2      | 0.05     |
| 11DS0733A | 141.3    | 0.96     | 0.25     | 0.13     | 24      | 1.07       | 0.099      | 4.7      | 10.2     | 0.21      | 641.4    | 0.017      | 2       | 0.47       | 0.015      | 0.1       | 0.049   | 138      | 0.5      | 0.11     |
| 11DS0734A | 35.7     | 0.98     | 0.1      | 0.13     | 11      | 0.1        | 0.095      | 6.3      | 8.6      | 0.04      | 235.9    | 0.002      | 0.49    | 0.5        | 0.016      | 0.04      | 0.049   | 74       | 0.2      | 0.03     |
| 11DS0735A | 54.8     | 0.75     | 0.15     | 0.14     | 18      | 0.2        | 0.109      | 15.9     | 12.6     | 0.12      | 313.7    | 0.003      | 1       | 0.84       | 0.014      | 0.05      | 0.049   | 120      | 0.3      | 0.04     |
| 11DS0736A | 94.5     | 0.33     | 0.28     | 0.07     | 11      | 0.53       | 0.094      | 26.3     | 9        | 0.11      | 224.8    | 0.011      | 1       | 0.76       | 0.012      | 0.04      | 0.049   | 150      | 1.3      | 0.03     |
| 11DS0737A | 47.9     | 0.87     | 0.17     | 0.09     | 17      | 0.19       | 0.078      | 4.1      | 8.1      | 0.11      | 402.7    | 0.014      | 1       | 0.33       | 0.016      | 0.07      | 0.049   | 110      | 0.5      | 0.07     |
| 11TB0747A | 14.7     | 0.49     | 0.26     | 0.1      | 22      | 0.15       | 0.068      | 11.6     | 12.2     | 0.05      | 88.2     | 0.011      | 0.49    | 0.47       | 0.016      | 0.04      | 0.049   | 83       | 0.3      | 0.03     |
| 11TB0748A | 16.7     | 0.4      | 0.22     | 0.13     | 25      | 0.09       | 0.055      | 7.4      | 15.1     | 0.07      | 132.8    | 0.018      | 0.49    | 0.57       | 0.013      | 0.06      | 0.049   | 75       | 0.2      | 0.06     |
| 11TB0749A | 27       | 0.13     | 0.21     | 0.07     | 27      | 0.32       | 0.052      | 19.9     | 14.7     | 0.33      | 157      | 0.077      | 2       | 1.16       | 0.011      | 0.1       | 0.1     | 61       | 2.5      | 0.14     |
| 11TB0750A | 75.1     | 0.12     | 0.19     | 0.0099   | 8       | 0.8        | 0.063      | 8.9      | 5.6      | 0.12      | 173.4    | 0.017      | 2       | 0.34       | 0.016      | 0.04      | 0.049   | 123      | 1        | 0.03     |
| 11TB0751A | 43.9     | 0.2      | 0.25     | 0.06     | 15      | 0.49       | 0.087      | 35.9     | 15.3     | 0.18      | 236.8    | 0.018      | 3       | 0.76       | 0.013      | 0.06      | 0.049   | 97       | 1.1      | 0.07     |
| 11TB0752A | 20.1     | 0.33     | 0.17     | 0.11     | 22      | 0.11       | 0.074      | 15.6     | 15       | 0.12      | 235.4    | 0.012      | 2       | 0.7        | 0.015      | 0.04      | 0.1     | 77       | 0.3      | 0.05     |
| 11TB0753A | 14.9     | 0.23     | 0.24     | 0.11     | 30      | 0.12       | 0.081      | 6.2      | 12.6     | 0.14      | 95.3     | 0.03       | 2       | 0.73       | 0.012      | 0.06      | 0.1     | 131      | 0.5      | 0.07     |
| 11TB0754A | 20.9     | 0.27     | 0.19     | 0.08     | 15      | 0.14       | 0.081      | 16.2     | 12.7     | 0.06      | 199.5    | 0.014      | 3       | 0.52       | 0.016      | 0.05      | 0.049   | 103      | 0.2      | 0.05     |
| 11TB0755A | 28.3     | 0.25     | 0.16     | 0.08     | 31      | 0.36       | 0.134      | 12.2     | 44.4     | 0.47      | 222.8    | 0.014      | 2       | 0.94       | 0.023      | 0.06      | 0.049   | 94       | 0.7      | 0.08     |
| 11TB0756A | 60.1     | 0.37     | 0.3      | 0.09     | 43      | 1.2        | 0.102      | 38       | 21.9     | 0.52      | 693.3    | 0.024      | 4       | 1.5        | 0.015      | 0.05      | 0.049   | 101      | 3.1      | 0.08     |
| 11TB0780A | 24.4     | 0.45     | 0.21     | 0.17     | 33      | 0.23       | 0.066      | 7.3      | 16.2     | 0.19      | 185.6    | 0.032      | 1       | 0.8        | 0.012      | 0.08      | 0.049   | 54       | 1        | 0.09     |
| 11TB0782A | 19.2     | 0.58     | 0.24     | 0.15     | 29      | 0.11       | 0.063      | 5.6      | 14.5     | 0.11      | 184.6    | 0.01       | 0.49    | 0.71       | 0.011      | 0.04      | 0.049   | 76       | 0.2      | 0.03     |
| 11TB0783A | 22.6     | 0.54     | 0.17     | 0.14     | 19      | 0.11       | 0.075      | 5.2      | 11.4     | 0.06      | 139.2    | 0.005      | 0.49    | 0.57       | 0.013      | 0.05      | 0.049   | 74       | 0.049    | 0.04     |
| 11TB0784A | 20.6     | 0.11     | 0.38     | 0.19     | 58      | 0.17       | 0.067      | 9        | 21.9     | 0.27      | 178      | 0.055      | 0.49    | 1.1        | 0.008      | 0.04      | 0.1     | 19       | 1.6      | 0.09     |
| 11TB0785A | 21.8     | 0.32     | 0.31     | 0.18     | 43      | 0.15       | 0.066      | 7.2      | 15.3     | 0.14      | 294      | 0.022      | 0.49    | 0.74       | 0.011      | 0.04      | 0.049   | 58       | 0.4      | 0.12     |
| 11TB0786A | 18.2     | 0.29     | 0.25     | 0.13     | 33      | 0.1        | 0.059      | 6.1      | 14.5     | 0.14      | 112.7    | 0.027      | 1       | 0.74       | 0.01       | 0.04      | 0.049   | 78       | 0.5      | 0.04     |
| 11TB0787A | 43.2     | 0.22     | 0.17     | 0.13     | 21      | 0.25       | 0.075      | 10.7     | 12.8     | 0.11      | 113.5    | 0.01       | 1       | 0.75       | 0.011      | 0.04      | 0.049   | 53       | 0.2      | 0.05     |
| 11TB0788A | 34.2     | 0.8      | 0.15     | 0.06     | 11      | 0.19       | 0.088      | 1.7      | 6.5      | 0.1       | 380.1    | 0.008      | 1       | 0.32       | 0.009      | 0.06      | 0.049   | 130      | 0.3      | 0.03     |
| 11TB0789A | 30.6     | 0.24     | 0.22     | 0.1      | 20      | 0.21       | 0.101      | 5.4      | 11.2     | 0.11      | 176.2    | 0.019      | 1       | 0.67       | 0.011      | 0.05      | 0.049   | 137      | 0.6      | 0.04     |
| 11AN0026A | 19.5     | 0.25     | 0.27     | 0.16     | 30      | 0.12       | 0.069      | 10.5     | 13.4     | 0.09      | 199.5    | 0.021      | 0.49    | 0.69       | 0.012      | 0.06      | 0.049   | 54       | 0.7      | 0.05     |
| 11AN0027A | 14.1     | 0.67     | 0.21     | 0.18     | 29      | 0.09       | 0.069      | 6.9      | 11.6     | 0.08      | 116.6    | 0.005      | 0.49    | 0.61       | 0.009      | 0.04      | 0.049   | 39       | 0.2      | 0.05     |
| 11AN0028A | 17.9     | 0.4      | 0.15     | 0.15     | 23      | 0.1        | 0.144      | 8.8      | 17.7     | 0.08      | 258.6    | 0.001      | 0.49    | 0.83       | 0.01       | 0.05      | 0.049   | 39       | 0.1      | 0.05     |
| 11AN0029A | 19.5     | 0.3      | 0.22     | 0.15     | 26      | 0.12       | 0.052      | 7        | 13       | 0.08      | 190.4    | 0.008      | 1       | 0.69       | 0.013      | 0.05      | 0.049   | 40       | 0.2      | 0.05     |
| 11AN0030A | 26.5     | 0.28     | 0.18     | 0.19     | 31      | 0.17       | 0.127      | 9.1      | 21.5     | 0.15      | 244.8    | 0.008      | 0.49    | 1.01       | 0.013      | 0.04      | 0.049   | 44       | 0.3      | 0.08     |
| 11AN0031A | 24.2     | 0.15     | 0.28     | 0.16     | 35      | 0.17       | 0.059      | 8.8      | 28.2     | 0.28      | 144.9    | 0.019      | 1       | 1.03       | 0.011      | 0.06      | 0.049   | 46       | 0.7      | 0.08     |
| 11AN0032A | 110.5    | 0.38     | 0.5      | 0.1      | 29      | 1.88       | 0.118      | 13       | 30.9     | 0.45      | 854.2    | 0.015      | 2       | 1.35       | 0.016      | 0.04      | 0.049   | 105      | 2.1      | 0.09     |
| 11AN0033A | 48.2     | 0.42     | 0.31     | 0.12     | 33      | 0.59       | 0.085      | 10.6     | 20.9     | 0.29      | 283.4    | 0.027      | 1       | 0.83       | 0.016      | 0.09      | 0.049   | 53       | 1.6      | 0.07     |
| 11AN0034A | 66       | 0.21     | 0.35     | 0.13     | 41      | 1.1        | 0.063      | 49.6     | 36.6     | 0.57      | 516.6    | 0.031      | 2       | 2.03       | 0.012      | 0.08      | 0.049   | 68       | 5.3      | 0.11     |
| 11AN0035A | 83.4     | 0.1      | 0.28     | 0.1      | 37      | 1.54       | 0.074      | 21.9     | 22.8     | 0.38      | 427.1    | 0.026      | 2       | 1.22       | 0.015      | 0.04      | 0.049   | 47       | 3        | 0.08     |
| 11AN0036A | 62.9     | 0.19     | 0.32     | 0.08     | 32      | 1.23       | 0.07       | 16.2     | 20.6     | 0.39      | 342.7    | 0.027      | 1       | 1.12       | 0.015      | 0.07      | 0.049   | 54       | 2.9      | 0.08     |
| 11AN0037A | 55       | 0.29     | 0.26     | 0.12     | 36      | 0.9        | 0.063      | 27.4     | 20.5     | 0.4       | 408.5    | 0.033      | 1       | 1.35       | 0.015      | 0.09      | 0.049   | 53       | 3.9      | 0.09     |
| 11AN0038A | 20.3     | 0.11     | 0.15     | 0.12     | 31      | 0.25       | 0.057      | 17.5     | 19       | 0.29      | 171.5    | 0.039      | 0.49    | 1.22       | 0.009      | 0.1       | 0.1     | 61       | 2.7      | 0.11     |
| 11AN0039A | 30.1     | 0.29     | 0.17     | 0.08     | 19      | 0.4        | 0.09       | 43.5     | 17.1     | 0.16      | 280.2    | 0.018      | 1       | 0.91       | 0.013      | 0.05      | 0.049   | 76       | 1.6      | 0.06     |
| 11AN0040A | 51.8     | 0.14     | 0.17     | 0.08     | 27      | 0.89       | 0.046      | 27.8     | 18.4     | 0.36      | 271.9    | 0.057      | 2       | 1.13       | 0.013      | 0.1       | 0.1     | 56       | 2.6      | 0.12     |
| 11AN0042A | 30       | 0.12     | 0.25     | 0.28     | 25      | 0.39       | 0.075      | 16.6     | 16.6     | 0.25      | 166.7    | 0.028      | 0.49    | 0.84       | 0.014      | 0.06      | 0.049   | 72       | 1.7      | 0.07     |
| 11AN0043A | 26.9     | 0.13     | 0.17     | 0.11     | 23      | 0.3        | 0.078      | 18.1     | 17       | 0.26      | 151.8    | 0.03       | 0.49    | 0.95       | 0.012      | 0.05      | 0.049   | 74       | 1.9      | 0.09     |
| 11AN0044A | 25.2     | 0.14     | 0.18     | 0.26     | 18      | 0.3        | 0.105      | 19.2     | 13.7     | 0.18      | 151.1    | 0.028      | 5       | 0.78       | 0.011      | 0.05      | 0.049   | 79       | 1.5      | 0.09     |
| 11AN0045A | 26.9     | 0.22     | 0.2      | 0.15     | 24      | 0.28       | 0.067      | 22.7     | 17.5     | 0.28      | 183.6    | 0.031      | 2       | 0.98       | 0.013      | 0.04      | 0.049   | 61       | 2        | 0.08     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0046A | 10       | 0.2      | 0.16     | 0.15     | 27      | 0.07       | 0.074      | 26.3     | 19.3     | 0.15      | 173.6    | 0.012      | 0.49    | 1.34       | 0.017      | 0.07      | 0.049   | 33       | 1.9      | 0.12     |
| 11AN0047A | 19.7     | 0.09     | 0.17     | 0.08     | 33      | 0.25       | 0.062      | 16.9     | 16.3     | 0.35      | 128.8    | 0.048      | 2       | 1.15       | 0.01       | 0.07      | 0.049   | 36       | 2.2      | 0.09     |
| 11AN0048A | 17.5     | 0.19     | 0.15     | 0.18     | 22      | 0.11       | 0.095      | 22.9     | 22.7     | 0.23      | 130.7    | 0.011      | 1       | 1.25       | 0.01       | 0.04      | 0.049   | 77       | 1.3      | 0.08     |
| 11AN0049A | 24       | 0.29     | 0.2      | 0.13     | 18      | 0.13       | 0.076      | 76.6     | 16.8     | 0.12      | 255.5    | 0.016      | 2       | 0.98       | 0.01       | 0.05      | 0.049   | 89       | 2.4      | 0.06     |
| 11AN0050A | 17.9     | 0.2      | 0.19     | 0.14     | 24      | 0.11       | 0.035      | 15.6     | 16.7     | 0.12      | 161.1    | 0.017      | 0.49    | 0.86       | 0.011      | 0.04      | 0.049   | 46       | 1.2      | 0.07     |
| 11AN0051A | 12.5     | 0.19     | 0.19     | 0.13     | 25      | 0.07       | 0.052      | 11.1     | 16.1     | 0.13      | 160.1    | 0.014      | 0.49    | 0.9        | 0.009      | 0.03      | 0.049   | 66       | 1.2      | 0.05     |
| 11CB0732A | 44.3     | 1.51     | 0.2      | 0.12     | 16      | 0.4        | 0.141      | 5.8      | 10.1     | 0.12      | 660      | 0.003      | 2       | 0.58       | 0.02       | 0.08      | 0.049   | 121      | 0.2      | 0.06     |
| 11CB0733A | 38.7     | 0.57     | 0.23     | 0.18     | 35      | 0.38       | 0.192      | 9.9      | 15.3     | 0.13      | 424.5    | 0.036      | 0.49    | 0.78       | 0.018      | 0.17      | 0.049   | 2.49     | 1.8      | 0.08     |
| 11CB0734A | 100.9    | 1.31     | 0.28     | 0.18     | 29      | 1.38       | 0.296      | 10.7     | 23.2     | 0.2       | 1144.8   | 0.016      | 4       | 1.04       | 0.022      | 0.15      | 0.049   | 48       | 0.8      | 0.11     |
| 11CB0735A | 45.8     | 1.09     | 0.16     | 0.12     | 19      | 0.44       | 0.304      | 5.9      | 12.3     | 0.09      | 360.2    | 0.012      | 2       | 0.87       | 0.02       | 0.11      | 0.049   | 54       | 0.5      | 0.07     |
| 11CB0736A | 25.5     | 1.59     | 0.13     | 0.1      | 13      | 0.19       | 0.144      | 4.8      | 9.8      | 0.07      | 277.7    | 0.002      | 2       | 0.58       | 0.017      | 0.06      | 0.049   | 93       | 0.4      | 0.04     |
| 11CB0737A | 44.6     | 0.98     | 0.3      | 0.18     | 35      | 0.71       | 0.32       | 7.3      | 15.8     | 0.1       | 273.7    | 0.042      | 2       | 0.81       | 0.023      | 0.17      | 0.049   | 9        | 2.6      | 0.06     |
| 11CB0738A | 39.8     | 0.66     | 0.22     | 0.2      | 33      | 0.76       | 0.126      | 11.2     | 16.4     | 0.19      | 576.9    | 0.029      | 2       | 1.03       | 0.021      | 0.19      | 0.049   | 2.49     | 2.7      | 0.07     |
| 11CB0739A | 36.2     | 0.65     | 0.39     | 0.31     | 67      | 0.39       | 0.213      | 39.8     | 34.2     | 0.38      | 812.2    | 0.036      | 2       | 3.25       | 0.017      | 0.29      | 0.049   | 22       | 6.9      | 0.11     |
| 11CB0740A | 26.4     | 0.54     | 0.38     | 0.34     | 70      | 0.28       | 0.167      | 30       | 37.4     | 0.42      | 628.9    | 0.032      | 2       | 3.17       | 0.013      | 0.28      | 0.049   | 19       | 6.5      | 0.11     |
| 11CB0742A | 30       | 0.85     | 0.43     | 0.41     | 70      | 0.37       | 0.242      | 32.1     | 38.5     | 0.45      | 722.1    | 0.023      | 3       | 3.09       | 0.012      | 0.27      | 0.049   | 23       | 6.7      | 0.09     |
| 11CB0743A | 53.8     | 0.23     | 0.35     | 0.16     | 19      | 0.97       | 0.116      | 25.7     | 10.3     | 0.25      | 399.2    | 0.022      | 5       | 0.65       | 0.015      | 0.05      | 0.049   | 159      | 2.1      | 0.09     |
| 11CB0744A | 38       | 0.14     | 0.22     | 0.1      | 10      | 0.74       | 0.11       | 25.4     | 6.8      | 0.13      | 273.9    | 0.015      | 4       | 0.45       | 0.013      | 0.05      | 0.049   | 123      | 1.3      | 0.05     |
| 11CB0745A | 67.5     | 0.2      | 0.24     | 0.11     | 8       | 1.43       | 0.103      | 35.2     | 3.8      | 0.13      | 275.6    | 0.01       | 6       | 0.3        | 0.016      | 0.04      | 0.049   | 114      | 0.8      | 0.08     |
| 11CB0746A | 16.4     | 0.94     | 0.23     | 0.15     | 23      | 0.15       | 0.075      | 7.6      | 10.4     | 0.08      | 305.2    | 0.009      | 2       | 0.5        | 0.012      | 0.05      | 0.049   | 70       | 0.3      | 0.05     |
| 11CB0747A | 63.6     | 0.22     | 0.36     | 0.06     | 11      | 0.99       | 0.117      | 55.3     | 7.3      | 0.15      | 298.3    | 0.017      | 4       | 0.53       | 0.015      | 0.05      | 0.049   | 147      | 2.1      | 0.05     |
| 11CB0748A | 45.2     | 0.14     | 0.26     | 0.09     | 11      | 0.56       | 0.161      | 18.9     | 6.3      | 0.09      | 215.4    | 0.014      | 4       | 0.42       | 0.017      | 0.05      | 0.049   | 162      | 1.1      | 0.05     |
| 11CB0749A | 51.8     | 0.19     | 0.18     | 0.1      | 30      | 0.69       | 0.086      | 20.6     | 14       | 0.3       | 186.7    | 0.038      | 2       | 1.02       | 0.011      | 0.05      | 0.1     | 75       | 2.1      | 0.09     |
| 11CB0750A | 29.2     | 0.5      | 0.21     | 0.16     | 37      | 0.31       | 0.046      | 25.4     | 18.8     | 0.24      | 218      | 0.032      | 2       | 0.93       | 0.012      | 0.06      | 0.049   | 42       | 1.4      | 0.06     |
| 11CB0751A | 62.5     | 0.94     | 0.29     | 0.12     | 55      | 0.7        | 0.14       | 106.5    | 13.2     | 0.16      | 507.3    | 0.012      | 2       | 1.16       | 0.014      | 0.04      | 0.049   | 123      | 1.7      | 0.06     |
| 11CB0752A | 36.2     | 0.42     | 0.18     | 0.07     | 13      | 0.36       | 0.078      | 38.7     | 9        | 0.08      | 280.9    | 0.013      | 0.49    | 0.47       | 0.017      | 0.05      | 0.049   | 108      | 0.8      | 0.04     |
| 11CB0753A | 19       | 0.31     | 0.17     | 0.14     | 21      | 0.1        | 0.056      | 14       | 14.4     | 0.09      | 188.6    | 0.014      | 2       | 0.73       | 0.01       | 0.04      | 0.049   | 94       | 0.7      | 0.04     |
| 11CB0754A | 23       | 0.54     | 0.19     | 0.1      | 18      | 0.1        | 0.054      | 35.5     | 12.4     | 0.08      | 330.7    | 0.015      | 2       | 0.53       | 0.016      | 0.04      | 0.049   | 69       | 1        | 0.05     |
| 11CB0755A | 19       | 0.29     | 0.21     | 0.13     | 20      | 0.1        | 0.082      | 23       | 15.1     | 0.08      | 234.3    | 0.011      | 1       | 0.71       | 0.01       | 0.05      | 0.049   | 99       | 0.5      | 0.04     |
| 11CB0756A | 12.7     | 0.42     | 0.21     | 0.13     | 20      | 0.07       | 0.068      | 15.5     | 12.1     | 0.07      | 124.1    | 0.012      | 1       | 0.67       | 0.01       | 0.05      | 0.049   | 107      | 0.6      | 0.04     |
| 11CB0757A | 30.5     | 0.35     | 0.26     | 0.2      | 28      | 0.22       | 0.063      | 37.6     | 20.6     | 0.13      | 356.4    | 0.014      | 2       | 1.21       | 0.013      | 0.04      | 0.049   | 93       | 1.2      | 0.06     |
| 11CB0758A | 20.5     | 0.4      | 0.17     | 0.16     | 23      | 0.11       | 0.064      | 14.1     | 17.7     | 0.1       | 266.8    | 0.01       | 1       | 0.8        | 0.011      | 0.03      | 0.049   | 81       | 0.6      | 0.03     |
| 11DS0738A | 41.3     | 0.44     | 0.19     | 0.07     | 11      | 0.39       | 0.15       | 8.8      | 7.1      | 0.1       | 294.9    | 0.002      | 1       | 0.58       | 0.015      | 0.06      | 0.049   | 168      | 0.2      | 0.04     |
| 11DS0739A | 42.4     | 0.82     | 0.19     | 0.07     | 11      | 0.34       | 0.16       | 15.4     | 6.8      | 0.1       | 319.8    | 0.002      | 1       | 0.55       | 0.015      | 0.07      | 0.049   | 156      | 0.2      | 0.03     |
| 11DS0740A | 38.9     | 1.59     | 0.24     | 0.14     | 19      | 0.26       | 0.127      | 27.3     | 12.9     | 0.1       | 395.3    | 0.003      | 1       | 0.78       | 0.019      | 0.06      | 0.049   | 85       | 0.3      | 0.05     |
| 11DS0741A | 34.2     | 0.99     | 0.18     | 0.1      | 14      | 0.27       | 0.125      | 7.5      | 10.2     | 0.08      | 337.9    | 0.002      | 0.49    | 0.66       | 0.016      | 0.05      | 0.049   | 119      | 0.2      | 0.02     |
| 11DS0742A | 32.6     | 0.84     | 0.22     | 0.11     | 18      | 0.25       | 0.141      | 5        | 11.2     | 0.09      | 212.1    | 0.002      | 0.49    | 0.73       | 0.017      | 0.05      | 0.049   | 115      | 0.2      | 0.05     |
| 11DS0743A | 32.6     | 0.94     | 0.29     | 0.12     | 18      | 0.32       | 0.114      | 26.5     | 11.3     | 0.12      | 396.9    | 0.009      | 0.49    | 0.81       | 0.015      | 0.06      | 0.049   | 114      | 0.7      | 0.06     |
| 11DS0744A | 87.3     | 0.32     | 0.29     | 0.09     | 18      | 2.02       | 0.08       | 6.3      | 11.6     | 0.42      | 284.5    | 0.015      | 3       | 0.67       | 0.012      | 0.04      | 0.049   | 106      | 1.2      | 0.06     |
| 11DS0745A | 75.9     | 0.29     | 0.43     | 0.2      | 35      | 1.56       | 0.1        | 39.6     | 21       | 0.46      | 432.4    | 0.017      | 0.49    | 1.67       | 0.016      | 0.06      | 0.1     | 83       | 2.9      | 0.1      |
| 11DS0746A | 74.6     | 0.87     | 0.25     | 0.13     | 23      | 1.16       | 0.066      | 129.8    | 15.3     | 0.3       | 540.5    | 0.013      | 1       | 0.99       | 0.019      | 0.05      | 0.049   | 111      | 1        | 0.07     |
| 11DS0747A | 45.5     | 0.15     | 0.32     | 0.11     | 33      | 0.66       | 0.127      | 31.4     | 17.3     | 0.26      | 274.2    | 0.03       | 2       | 0.94       | 0.02       | 0.04      | 0.049   | 104      | 3.7      | 0.11     |
| 11DS0748A | 42.5     | 0.13     | 0.29     | 0.07     | 16      | 0.61       | 0.098      | 19.2     | 11.1     | 0.19      | 216      | 0.023      | 2       | 0.68       | 0.018      | 0.04      | 0.049   | 102      | 2.1      | 0.06     |
| 11DS0749A | 29.9     | 0.11     | 0.29     | 0.09     | 24      | 0.41       | 0.099      | 14.3     | 15.8     | 0.26      | 168.8    | 0.025      | 1       | 0.93       | 0.017      | 0.04      | 0.1     | 77       | 1.8      | 0.08     |
| 11DS0750A | 26       | 0.13     | 0.28     | 0.11     | 38      | 0.38       | 0.082      | 16.6     | 22.7     | 0.42      | 216.9    | 0.032      | 0.49    | 1.39       | 0.013      | 0.04      | 0.1     | 77       | 3.1      | 0.09     |
| 11DS0751A | 24.6     | 0.14     | 0.25     | 0.09     | 27      | 0.32       | 0.125      | 11.8     | 18       | 0.22      | 172.5    | 0.014      | 0.49    | 0.75       | 0.014      | 0.04      | 0.049   | 99       | 1.3      | 0.06     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS0752A | 34.2     | 0.12     | 0.24     | 0.1      | 25      | 0.44       | 0.112      | 9.9      | 18.1     | 0.26      | 169.2    | 0.024      | 0.49    | 0.92       | 0.013      | 0.04      | 0.049   | 95       | 2        | 0.06     |
| 11DS0753A | 57.6     | 0.14     | 0.34     | 0.02     | 6       | 0.98       | 0.078      | 32.6     | 4        | 0.12      | 250.2    | 0.011      | 1       | 0.28       | 0.012      | 0.03      | 0.049   | 161      | 1.4      | 0.0099   |
| 11DS0754A | 26       | 0.17     | 0.17     | 0.08     | 17      | 0.32       | 0.087      | 19.7     | 18.5     | 0.17      | 164.2    | 0.017      | 0.49    | 0.71       | 0.011      | 0.05      | 0.049   | 92       | 1.4      | 0.05     |
| 11DS0755A | 30.6     | 0.14     | 0.2      | 0.1      | 31      | 0.36       | 0.088      | 21.6     | 23.1     | 0.3       | 185.7    | 0.044      | 0.49    | 1.13       | 0.01       | 0.06      | 0.1     | 84       | 2.5      | 0.08     |
| 11DS0756A | 35.5     | 0.16     | 0.19     | 0.05     | 17      | 0.43       | 0.118      | 29.2     | 9.7      | 0.1       | 227      | 0.02       | 0.49    | 0.59       | 0.011      | 0.05      | 0.049   | 106      | 1.4      | 0.04     |
| 11DS0757A | 41.9     | 0.45     | 0.23     | 0.06     | 16      | 0.44       | 0.135      | 40.9     | 10.9     | 0.12      | 352      | 0.013      | 1       | 0.72       | 0.014      | 0.03      | 0.049   | 117      | 1.3      | 0.03     |
| 11DS0758A | 46.8     | 0.22     | 0.26     | 0.72     | 8       | 0.53       | 0.111      | 45.4     | 6.7      | 0.09      | 302.8    | 0.008      | 3       | 0.5        | 0.013      | 0.04      | 0.049   | 95       | 1        | 0.06     |
| 11DS0759A | 53.9     | 0.23     | 0.37     | 0.29     | 10      | 0.53       | 0.13       | 49.7     | 8.3      | 0.11      | 431.7    | 0.014      | 2       | 0.66       | 0.011      | 0.04      | 0.049   | 153      | 2.4      | 0.06     |
| 11DS0760A | 35.4     | 0.17     | 0.21     | 0.23     | 12      | 0.3        | 0.103      | 42.2     | 13.2     | 0.1       | 274.2    | 0.008      | 2       | 0.62       | 0.009      | 0.04      | 0.049   | 92       | 1.3      | 0.05     |
| 11DS0762A | 20.8     | 0.15     | 0.24     | 0.17     | 26      | 0.15       | 0.063      | 19.3     | 19.1     | 0.22      | 194.9    | 0.02       | 1       | 1.12       | 0.007      | 0.04      | 0.1     | 74       | 1.9      | 0.06     |
| 11TB0757A | 38.4     | 0.48     | 0.16     | 0.05     | 9       | 0.34       | 0.153      | 4.8      | 8.4      | 0.08      | 308      | 0.006      | 2       | 0.5        | 0.017      | 0.09      | 0.049   | 146      | 0.2      | 0.03     |
| 11TB0758A | 14.3     | 0.53     | 0.31     | 0.17     | 33      | 0.09       | 0.092      | 7.6      | 33.6     | 0.2       | 132.3    | 0.005      | 0.49    | 0.83       | 0.011      | 0.06      | 0.049   | 67       | 0.049    | 0.04     |
| 11TB0759A | 24       | 0.53     | 0.25     | 0.13     | 24      | 0.25       | 0.088      | 4.8      | 15.4     | 0.11      | 192.6    | 0.007      | 1       | 0.59       | 0.012      | 0.06      | 0.049   | 104      | 0.049    | 0.04     |
| 11TB0760A | 13.8     | 0.29     | 0.28     | 0.17     | 37      | 0.1        | 0.082      | 6.2      | 15       | 0.13      | 116.8    | 0.013      | 1       | 0.7        | 0.009      | 0.05      | 0.049   | 70       | 0.2      | 0.05     |
| 11TB0762A | 78       | 0.88     | 0.31     | 0.15     | 21      | 1.1        | 0.12       | 29.2     | 15.7     | 0.24      | 494      | 0.007      | 3       | 1.26       | 0.012      | 0.06      | 0.049   | 113      | 0.4      | 0.06     |
| 11TB0763A | 52       | 0.38     | 0.28     | 0.11     | 28      | 0.63       | 0.073      | 6.5      | 19.9     | 0.36      | 230.9    | 0.032      | 2       | 0.88       | 0.016      | 0.07      | 0.049   | 122      | 2.5      | 0.05     |
| 11TB0764A | 163.7    | 0.45     | 0.55     | 0.15     | 42      | 2.33       | 0.105      | 22.3     | 28.9     | 0.5       | 507.9    | 0.027      | 3       | 2.16       | 0.015      | 0.06      | 0.1     | 189      | 5.4      | 0.11     |
| 11TB0765A | 93.4     | 0.18     | 0.33     | 0.15     | 48      | 1.49       | 0.052      | 11.1     | 41.7     | 0.86      | 378.2    | 0.067      | 2       | 2.04       | 0.017      | 0.06      | 0.1     | 57       | 3.7      | 0.12     |
| 11TB0766A | 72.9     | 0.22     | 0.33     | 0.12     | 46      | 1.03       | 0.056      | 8.1      | 25.9     | 0.66      | 236.4    | 0.055      | 2       | 1.39       | 0.017      | 0.04      | 0.1     | 55       | 2.7      | 0.07     |
| 11TB0767A | 89.8     | 0.41     | 0.34     | 0.12     | 32      | 1.42       | 0.092      | 9        | 21.8     | 0.42      | 323.6    | 0.032      | 3       | 1.02       | 0.015      | 0.04      | 0.049   | 94       | 1.9      | 0.08     |
| 11TB0768A | 43.5     | 0.16     | 0.29     | 0.11     | 21      | 0.56       | 0.102      | 7.9      | 16       | 0.24      | 183      | 0.025      | 2       | 0.75       | 0.014      | 0.05      | 0.049   | 99       | 1.5      | 0.05     |
| 11TB0769A | 31.5     | 0.14     | 0.34     | 0.14     | 36      | 0.38       | 0.075      | 10.4     | 24.2     | 0.38      | 158.3    | 0.038      | 2       | 1.18       | 0.014      | 0.05      | 0.1     | 76       | 1.9      | 0.08     |
| 11TB0770A | 30.9     | 0.19     | 0.4      | 0.21     | 41      | 0.34       | 0.091      | 15.2     | 27.2     | 0.43      | 198.1    | 0.04       | 2       | 1.46       | 0.013      | 0.05      | 0.1     | 83       | 2.6      | 0.08     |
| 11TB0771A | 35.5     | 0.16     | 0.38     | 0.13     | 25      | 0.42       | 0.091      | 17.3     | 14.1     | 0.23      | 200.7    | 0.029      | 2       | 0.85       | 0.013      | 0.06      | 0.1     | 95       | 1.8      | 0.07     |
| 11TB0772A | 41.3     | 0.17     | 0.4      | 0.11     | 17      | 0.46       | 0.073      | 16.4     | 11.1     | 0.19      | 214.9    | 0.031      | 2       | 0.72       | 0.017      | 0.05      | 0.1     | 111      | 1.7      | 0.06     |
| 11TB0773A | 32.3     | 0.12     | 0.26     | 0.17     | 29      | 0.36       | 0.067      | 16.2     | 27.6     | 0.4       | 180.9    | 0.045      | 1       | 1.23       | 0.012      | 0.06      | 0.2     | 84       | 2.2      | 0.11     |
| 11TB0774A | 37.8     | 0.11     | 0.23     | 0.15     | 31      | 0.42       | 0.073      | 11.8     | 26.2     | 0.41      | 198.6    | 0.033      | 1       | 1.05       | 0.014      | 0.05      | 0.1     | 65       | 2        | 0.06     |
| 11TB0775A | 15.7     | 0.27     | 0.21     | 0.15     | 24      | 0.14       | 0.062      | 6.9      | 21.6     | 0.18      | 95.7     | 0.03       | 4       | 0.74       | 0.014      | 0.06      | 0.049   | 80       | 1.3      | 0.07     |
| 11TB0776A | 51.1     | 0.27     | 0.34     | 0.17     | 43      | 0.65       | 0.116      | 86.4     | 24.4     | 0.41      | 468.9    | 0.032      | 2       | 1.66       | 0.012      | 0.06      | 0.049   | 106      | 5.6      | 0.08     |
| 11TB0777A | 32.2     | 0.18     | 0.24     | 0.13     | 16      | 0.35       | 0.097      | 36.5     | 14       | 0.21      | 222.4    | 0.032      | 3       | 0.95       | 0.012      | 0.06      | 0.049   | 116      | 2        | 0.07     |
| 11TB0778A | 46.8     | 0.32     | 0.29     | 0.12     | 11      | 0.44       | 0.103      | 53.1     | 9.8      | 0.11      | 333.6    | 0.013      | 2       | 0.62       | 0.013      | 0.04      | 0.049   | 151      | 0.8      | 0.04     |
| 11TB0779A | 19.6     | 0.15     | 0.21     | 0.12     | 31      | 0.2        | 0.049      | 24.6     | 23       | 0.34      | 164.4    | 0.056      | 2       | 1.23       | 0.012      | 0.07      | 0.1     | 61       | 2.3      | 0.1      |
| 11TB0790A | 29.8     | 0.11     | 0.18     | 0.11     | 24      | 0.24       | 0.023      | 25.4     | 12.1     | 0.12      | 199.8    | 0.035      | 1       | 0.7        | 0.013      | 0.04      | 0.049   | 37       | 2        | 0.06     |
| 11TB0791A | 29.6     | 0.27     | 0.28     | 0.09     | 20      | 0.14       | 0.092      | 59.8     | 16       | 0.17      | 421.3    | 0.03       | 2       | 0.91       | 0.011      | 0.07      | 0.1     | 110      | 3.2      | 0.06     |
| 11AN0052A | 73.8     | 0.29     | 0.45     | 0.31     | 20      | 0.78       | 0.14       | 52.3     | 15.5     | 0.19      | 514.5    | 0.006      | 1       | 0.87       | 0.015      | 0.04      | 0.1     | 143      | 2.7      | 0.05     |
| 11AN0053A | 12.6     | 0.16     | 0.25     | 0.16     | 40      | 0.1        | 0.034      | 9.3      | 16.1     | 0.16      | 105.8    | 0.017      | 0.49    | 0.88       | 0.007      | 0.04      | 0.049   | 18       | 0.8      | 0.07     |
| 11AN0054A | 25.5     | 0.26     | 0.13     | 0.13     | 18      | 0.18       | 0.099      | 17       | 13.8     | 0.1       | 241.7    | 0.004      | 1       | 0.98       | 0.012      | 0.04      | 0.049   | 76       | 0.5      | 0.06     |
| 11AN0055A | 23.9     | 0.13     | 0.18     | 0.11     | 32      | 0.32       | 0.095      | 35       | 30.4     | 0.37      | 439.7    | 0.012      | 1       | 1.5        | 0.014      | 0.06      | 0.049   | 87       | 3.5      | 0.1      |
| 11AN0056A | 33.9     | 0.2      | 0.17     | 0.09     | 52      | 0.49       | 0.097      | 35.8     | 23.9     | 0.57      | 587.3    | 0.021      | 0.49    | 1.61       | 0.014      | 0.05      | 0.049   | 58       | 5        | 0.07     |
| 11AN0057A | 95       | 0.39     | 0.29     | 0.05     | 15      | 3.28       | 0.097      | 4.8      | 7.2      | 0.22      | 235.2    | 0.01       | 5       | 0.61       | 0.016      | 0.02      | 0.049   | 81       | 1.6      | 0.03     |
| 11AN0058A | 40.8     | 0.09     | 0.25     | 0.11     | 73      | 0.39       | 0.045      | 9.6      | 23.7     | 0.5       | 160.3    | 0.069      | 0.49    | 1.93       | 0.014      | 0.05      | 0.049   | 16       | 3.2      | 0.11     |
| 11AN0059A | 76.1     | 0.28     | 0.15     | 0.1      | 40      | 0.74       | 0.043      | 8.4      | 12.2     | 0.35      | 140.2    | 0.056      | 0.49    | 1.21       | 0.019      | 0.06      | 0.049   | 36       | 3        | 0.06     |
| 11AN0060A | 54.8     | 0.11     | 0.25     | 0.12     | 61      | 0.54       | 0.082      | 11.8     | 23.3     | 0.54      | 240.5    | 0.061      | 0.49    | 2.14       | 0.019      | 0.06      | 0.049   | 30       | 4.5      | 0.08     |
| 11AN0062A | 46.7     | 0.14     | 0.3      | 0.13     | 64      | 0.33       | 0.092      | 7        | 18.8     | 0.41      | 172.6    | 0.07       | 0.49    | 1.49       | 0.014      | 0.07      | 0.049   | 12       | 2.4      | 0.08     |
| 11AN0063A | 44.6     | 0.19     | 0.32     | 0.13     | 62      | 0.38       | 0.037      | 11.2     | 25.6     | 0.43      | 190      | 0.053      | 1       | 1.77       | 0.012      | 0.06      | 0.049   | 29       | 3        | 0.1      |
| 11AN0064A | 41.5     | 0.11     | 0.33     | 0.16     | 60      | 0.23       | 0.036      | 9.4      | 21.2     | 0.33      | 246.8    | 0.051      | 0.49    | 1.45       | 0.015      | 0.06      | 0.049   | 38       | 2.7      | 0.09     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0065A | 41.3     | 0.28     | 0.32     | 0.19     | 49      | 0.2        | 0.041      | 5        | 16.9     | 0.27      | 222      | 0.041      | 0.49    | 1.04       | 0.008      | 0.06      | 0.049   | 31       | 1.3      | 0.08     |
| 11AN0066A | 68.8     | 0.49     | 0.35     | 0.19     | 56      | 0.37       | 0.08       | 4.7      | 13.6     | 0.38      | 429.8    | 0.057      | 2       | 1.11       | 0.013      | 0.07      | 0.1     | 27       | 1.7      | 0.09     |
| 11AN0067A | 12.3     | 0.06     | 0.27     | 0.17     | 51      | 0.09       | 0.026      | 7.1      | 16.5     | 0.19      | 108.2    | 0.045      | 0.49    | 1.16       | 0.006      | 0.03      | 0.049   | 15       | 1        | 0.08     |
| 11AN0068A | 9        | 0.08     | 0.16     | 0.15     | 32      | 0.05       | 0.022      | 5.6      | 10.7     | 0.07      | 66.5     | 0.023      | 0.49    | 0.65       | 0.006      | 0.02      | 0.049   | 27       | 0.6      | 0.05     |
| 11AN0069A | 43.1     | 0.08     | 0.1      | 0.07     | 28      | 0.15       | 0.039      | 4.1      | 8.2      | 0.15      | 94.9     | 0.02       | 0.49    | 0.84       | 0.016      | 0.04      | 0.049   | 41       | 0.7      | 0.03     |
| 11AN0070A | 103.2    | 0.19     | 0.24     | 0.07     | 26      | 0.65       | 0.104      | 18       | 10.3     | 0.29      | 159.8    | 0.023      | 2       | 1.26       | 0.021      | 0.09      | 0.049   | 97       | 1.6      | 0.12     |
| 11AN0071A | 116      | 0.1      | 0.11     | 0.15     | 8       | 0.53       | 0.128      | 14       | 14.1     | 0.11      | 102.3    | 0.005      | 1       | 1.03       | 0.024      | 0.02      | 0.049   | 105      | 0.6      | 0.03     |
| 11AN0072A | 147.3    | 0.17     | 0.49     | 0.05     | 18      | 1          | 0.139      | 20.3     | 7.7      | 0.18      | 188.3    | 0.009      | 2       | 0.82       | 0.019      | 0.03      | 0.049   | 119      | 1.8      | 0.04     |
| 11AN0073A | 99.4     | 1.12     | 0.38     | 0.05     | 22      | 0.76       | 0.087      | 30.6     | 8.6      | 0.09      | 420.3    | 0.011      | 1       | 0.73       | 0.017      | 0.02      | 0.049   | 115      | 3        | 0.03     |
| 11AN0074A | 91.5     | 0.16     | 0.34     | 0.07     | 38      | 0.77       | 0.15       | 10.9     | 13.3     | 0.29      | 186.6    | 0.014      | 1       | 0.89       | 0.021      | 0.03      | 0.1     | 109      | 2.7      | 0.07     |
| 11AN0075A | 62.7     | 0.09     | 0.42     | 0.09     | 48      | 0.49       | 0.094      | 18.9     | 22.4     | 0.42      | 252.3    | 0.043      | 0.49    | 1.44       | 0.022      | 0.05      | 0.1     | 54       | 4.5      | 0.08     |
| 11CB0759A | 27.8     | 0.27     | 0.22     | 0.08     | 23      | 0.34       | 0.09       | 5.4      | 18.3     | 0.2       | 194.1    | 0.018      | 2       | 0.56       | 0.025      | 0.06      | 0.049   | 113      | 0.6      | 0.06     |
| 11CB0760A | 29.1     | 0.33     | 0.28     | 0.13     | 37      | 0.35       | 0.141      | 98.4     | 34.4     | 0.23      | 483.5    | 0.016      | 3       | 1.38       | 0.013      | 0.08      | 0.049   | 129      | 4.4      | 0.09     |
| 11CB0762A | 77.6     | 0.37     | 0.57     | 0.04     | 4       | 1.09       | 0.129      | 109.3    | 4.2      | 0.11      | 877.1    | 0.008      | 3       | 0.38       | 0.019      | 0.04      | 0.049   | 145      | 3        | 0.02     |
| 11CB0763A | 82.5     | 0.55     | 0.51     | 0.06     | 11      | 1.81       | 0.116      | 55.6     | 5.8      | 0.15      | 1203.9   | 0.009      | 4       | 0.58       | 0.018      | 0.03      | 0.049   | 155      | 2.7      | 0.03     |
| 11CB0764A | 42.1     | 0.7      | 0.19     | 0.09     | 21      | 0.63       | 0.072      | 4.5      | 10.6     | 0.17      | 243      | 0.023      | 3       | 0.6        | 0.019      | 0.07      | 0.049   | 104      | 1.5      | 0.05     |
| 11CB0765A | 63.6     | 0.86     | 0.27     | 0.12     | 38      | 0.65       | 0.093      | 9.7      | 13.8     | 0.26      | 298.8    | 0.029      | 2       | 1.14       | 0.013      | 0.09      | 0.1     | 99       | 1.9      | 0.05     |
| 11CB0766A | 69       | 0.9      | 0.19     | 0.06     | 12      | 0.71       | 0.102      | 2.6      | 8.6      | 0.12      | 154.7    | 0.008      | 2       | 0.34       | 0.018      | 0.08      | 0.049   | 165      | 0.3      | 0.03     |
| 11CB0767A | 108.4    | 0.98     | 0.2      | 0.13     | 29      | 1.3        | 0.068      | 5.2      | 9.8      | 0.19      | 306.7    | 0.025      | 3       | 0.63       | 0.015      | 0.07      | 0.049   | 83       | 0.8      | 0.07     |
| 11CB0768A | 94.2     | 0.78     | 0.24     | 0.12     | 37      | 0.86       | 0.102      | 6.5      | 16.5     | 0.29      | 288.2    | 0.038      | 2       | 1.15       | 0.018      | 0.09      | 0.049   | 137      | 2        | 0.08     |
| 11CB0769A | 55.6     | 0.86     | 0.25     | 0.12     | 37      | 0.49       | 0.092      | 5.3      | 16.1     | 0.21      | 679.9    | 0.033      | 2       | 0.78       | 0.019      | 0.08      | 0.049   | 90       | 1.5      | 0.07     |
| 11CB0770A | 47.9     | 0.35     | 0.3      | 0.17     | 48      | 0.31       | 0.088      | 6.8      | 18.7     | 0.26      | 304.5    | 0.028      | 2       | 0.93       | 0.013      | 0.08      | 0.049   | 89       | 1.1      | 0.09     |
| 11CB0771A | 210.7    | 1.02     | 0.23     | 0.1      | 22      | 1.37       | 0.126      | 3        | 11.2     | 0.21      | 446.1    | 0.021      | 4       | 0.41       | 0.017      | 0.13      | 0.049   | 141      | 0.7      | 0.07     |
| 11CB0772A | 137.7    | 1.17     | 0.28     | 0.21     | 33      | 0.99       | 0.098      | 3.6      | 17.5     | 0.27      | 625.7    | 0.035      | 2       | 0.67       | 0.015      | 0.09      | 0.049   | 118      | 1.2      | 0.06     |
| 11CB0773A | 20.4     | 0.28     | 0.26     | 0.16     | 27      | 0.12       | 0.084      | 4.4      | 11.1     | 0.1       | 196.2    | 0.012      | 1       | 0.59       | 0.013      | 0.05      | 0.049   | 110      | 0.3      | 0.07     |
| 11CB0774A | 23.3     | 0.27     | 0.19     | 0.14     | 25      | 0.15       | 0.071      | 5.7      | 13.5     | 0.1       | 192.1    | 0.015      | 0.49    | 0.77       | 0.01       | 0.04      | 0.049   | 95       | 0.5      | 0.05     |
| 11CB0775A | 59.5     | 0.26     | 0.13     | 0.1      | 18      | 0.16       | 0.081      | 6.3      | 11.9     | 0.08      | 170.1    | 0.003      | 0.49    | 0.7        | 0.016      | 0.03      | 0.049   | 73       | 0.2      | 0.04     |
| 11CB0776A | 116.9    | 0.31     | 0.17     | 0.07     | 11      | 0.61       | 0.16       | 9        | 10.3     | 0.09      | 208.6    | 0.002      | 2       | 0.68       | 0.018      | 0.02      | 0.049   | 80       | 0.2      | 0.05     |
| 11CB0777A | 55.9     | 0.33     | 0.18     | 0.07     | 15      | 0.22       | 0.106      | 13.3     | 13.1     | 0.1       | 170.1    | 0.011      | 2       | 0.78       | 0.013      | 0.05      | 0.049   | 100      | 0.9      | 0.03     |
| 11CB0778A | 38.1     | 0.33     | 0.12     | 0.07     | 16      | 0.17       | 0.061      | 4.1      | 8.2      | 0.06      | 149.7    | 0.005      | 1       | 0.44       | 0.018      | 0.04      | 0.049   | 72       | 0.2      | 0.03     |
| 11CB0779A | 32       | 0.36     | 0.17     | 0.15     | 15      | 0.17       | 0.083      | 5.3      | 10.4     | 0.07      | 122.2    | 0.01       | 1       | 0.67       | 0.011      | 0.05      | 0.049   | 105      | 0.4      | 0.03     |
| 11CB0780A | 45.1     | 0.26     | 0.19     | 0.1      | 11      | 0.24       | 0.107      | 18.9     | 7.6      | 0.08      | 145.6    | 0.02       | 3       | 0.69       | 0.01       | 0.06      | 0.049   | 124      | 1.6      | 0.03     |
| 11CB0782A | 51.8     | 0.25     | 0.2      | 0.09     | 17      | 0.29       | 0.117      | 20.3     | 8.7      | 0.11      | 162.7    | 0.026      | 2       | 0.81       | 0.013      | 0.06      | 0.049   | 132      | 2        | 0.03     |
| 11DS0763A | 62.4     | 0.25     | 0.33     | 0.17     | 35      | 0.62       | 0.089      | 46       | 20.3     | 0.26      | 491.9    | 0.019      | 2       | 1.44       | 0.012      | 0.05      | 0.1     | 101      | 3.9      | 0.08     |
| 11DS0764A | 57.8     | 0.17     | 0.26     | 0.15     | 11      | 0.56       | 0.126      | 42.2     | 9.8      | 0.12      | 458.9    | 0.01       | 3       | 0.52       | 0.013      | 0.04      | 0.049   | 136      | 2.2      | 0.06     |
| 11DS0765A | 33       | 1        | 0.18     | 0.19     | 19      | 0.22       | 0.064      | 4.7      | 8.5      | 0.09      | 610.3    | 0.005      | 1       | 0.52       | 0.012      | 0.04      | 0.049   | 75       | 0.3      | 0.04     |
| 11DS0766A | 22       | 0.51     | 0.13     | 0.16     | 11      | 0.1        | 0.068      | 4.3      | 8.8      | 0.04      | 203.5    | 0.004      | 0.49    | 0.45       | 0.012      | 0.03      | 0.049   | 82       | 0.4      | 0.03     |
| 11DS0767A | 30       | 0.64     | 0.16     | 0.13     | 11      | 0.21       | 0.094      | 3.2      | 6.6      | 0.06      | 195      | 0.003      | 0.49    | 0.47       | 0.012      | 0.04      | 0.049   | 120      | 0.4      | 0.02     |
| 11DS0768A | 22.4     | 0.44     | 0.16     | 0.1      | 14      | 0.14       | 0.071      | 4.7      | 8.1      | 0.06      | 161.4    | 0.004      | 1       | 0.44       | 0.012      | 0.04      | 0.049   | 75       | 0.3      | 0.02     |
| 11DS0769A | 96.7     | 0.51     | 0.34     | 0.08     | 29      | 2.02       | 0.112      | 6.8      | 11.8     | 0.29      | 408      | 0.016      | 3       | 0.82       | 0.013      | 0.02      | 0.049   | 79       | 1.5      | 0.06     |
| 11DS0770A | 75.6     | 0.16     | 0.25     | 0.06     | 33      | 1.94       | 0.09       | 4.5      | 11.7     | 0.38      | 173.9    | 0.025      | 2       | 1.11       | 0.012      | 0.02      | 0.049   | 50       | 2.3      | 0.04     |
| 11DS0771A | 95.1     | 0.42     | 0.37     | 0.07     | 15      | 1.8        | 0.066      | 6.8      | 9.1      | 0.23      | 102      | 0.013      | 2       | 0.52       | 0.009      | 0.02      | 0.049   | 89       | 1.9      | 0.03     |
| 11DS0772A | 84.6     | 0.42     | 0.25     | 0.11     | 52      | 0.96       | 0.1        | 3.4      | 14       | 0.48      | 421.7    | 0.072      | 2       | 1.11       | 0.012      | 0.16      | 0.049   | 84       | 1.4      | 0.07     |
| 11DS0773A | 62.2     | 1.08     | 0.28     | 0.15     | 41      | 1.05       | 0.092      | 4        | 15.6     | 0.33      | 607.3    | 0.025      | 2       | 0.9        | 0.01       | 0.1       | 0.049   | 76       | 0.9      | 0.07     |
| 11DS0774A | 145.7    | 1.07     | 0.25     | 0.26     | 46      | 1.51       | 0.115      | 4.8      | 13.6     | 0.36      | 427.6    | 0.028      | 3       | 1.12       | 0.009      | 0.1       | 0.049   | 89       | 1        | 0.04     |
| 11DS0775A | 154.7    | 0.73     | 0.27     | 0.16     | 36      | 1.31       | 0.094      | 3.8      | 13.7     | 0.34      | 553.6    | 0.032      | 3       | 0.86       | 0.01       | 0.11      | 0.049   | 64       | 1        | 0.07     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS0776A | 215.1    | 0.81     | 0.23     | 0.14     | 21      | 1.85       | 0.14       | 2.4      | 10.6     | 0.29      | 603.4    | 0.015      | 4       | 0.58       | 0.009      | 0.14      | 0.049   | 128      | 0.6      | 0.06     |
| 11DS0777A | 289.3    | 1.12     | 0.17     | 0.11     | 13      | 2.14       | 0.134      | 1.7      | 6.9      | 0.24      | 611.8    | 0.013      | 5       | 0.34       | 0.008      | 0.09      | 0.049   | 119      | 0.4      | 0.06     |
| 11DS0778A | 173.5    | 1.41     | 0.22     | 0.12     | 19      | 1.45       | 0.108      | 2.9      | 9.2      | 0.2       | 748      | 0.016      | 2       | 0.39       | 0.009      | 0.09      | 0.049   | 113      | 0.4      | 0.08     |
| 11DS0779A | 32.2     | 0.5      | 0.17     | 0.13     | 13      | 0.12       | 0.105      | 3        | 8.3      | 0.06      | 332.4    | 0.002      | 0.49    | 0.48       | 0.011      | 0.05      | 0.049   | 117      | 0.3      | 0.03     |
| 11DS0780A | 21.5     | 0.25     | 0.18     | 0.13     | 20      | 0.09       | 0.071      | 3.7      | 11.7     | 0.06      | 121.8    | 0.005      | 1       | 0.57       | 0.01       | 0.04      | 0.049   | 72       | 0.2      | 0.03     |
| 11DS0782A | 27.6     | 0.24     | 0.15     | 0.1      | 18      | 0.14       | 0.093      | 4.8      | 12.1     | 0.07      | 117      | 0.005      | 0.49    | 0.65       | 0.01       | 0.04      | 0.049   | 97       | 0.3      | 0.03     |
| 11DS0783A | 46.5     | 0.27     | 0.12     | 0.09     | 10      | 0.28       | 0.091      | 6.8      | 9        | 0.06      | 138.6    | 0.004      | 0.49    | 0.63       | 0.011      | 0.02      | 0.049   | 90       | 0.3      | 0.02     |
| 11DS0784A | 34.9     | 0.47     | 0.11     | 0.09     | 11      | 0.16       | 0.077      | 6.1      | 10.4     | 0.05      | 108.8    | 0.003      | 0.49    | 0.48       | 0.011      | 0.04      | 0.049   | 73       | 0.3      | 0.0099   |
| 11DS0785A | 55.3     | 0.2      | 0.18     | 0.09     | 25      | 0.38       | 0.107      | 15.1     | 14.7     | 0.19      | 153.2    | 0.011      | 1       | 1.02       | 0.008      | 0.06      | 0.1     | 68       | 0.7      | 0.04     |
| 11DS0786A | 37       | 0.43     | 0.1      | 0.08     | 12      | 0.17       | 0.072      | 6.8      | 8.8      | 0.06      | 131.1    | 0.01       | 0.49    | 0.47       | 0.009      | 0.04      | 0.049   | 89       | 0.4      | 0.02     |
| 11TB0792A | 45.6     | 0.34     | 0.26     | 0.09     | 17      | 0.38       | 0.083      | 25.6     | 10.2     | 0.14      | 198.2    | 0.023      | 2       | 0.58       | 0.011      | 0.09      | 0.2     | 169      | 1.1      | 0.04     |
| 11TB0793A | 78       | 0.38     | 0.49     | 0.06     | 12      | 0.81       | 0.101      | 51.7     | 8.8      | 0.16      | 393.9    | 0.013      | 2       | 0.91       | 0.014      | 0.06      | 0.049   | 166      | 4.4      | 0.04     |
| 11TB0794A | 30.4     | 0.23     | 0.18     | 0.1      | 42      | 0.37       | 0.062      | 21.7     | 19       | 0.39      | 322.8    | 0.02       | 2       | 1.27       | 0.012      | 0.07      | 0.1     | 54       | 3.9      | 0.05     |
| 11TB0796A | 22.8     | 0.41     | 0.27     | 0.18     | 39      | 0.14       | 0.068      | 8        | 15       | 0.14      | 191.5    | 0.03       | 0.49    | 0.66       | 0.009      | 0.05      | 0.049   | 55       | 0.7      | 0.05     |
| 11TB0797A | 23.2     | 0.25     | 0.2      | 0.14     | 40      | 0.2        | 0.062      | 11.6     | 17.7     | 0.18      | 230      | 0.033      | 1       | 1.13       | 0.011      | 0.04      | 0.049   | 78       | 1.5      | 0.05     |
| 11TB0798A | 40.1     | 0.32     | 0.23     | 0.11     | 38      | 0.28       | 0.072      | 7.2      | 14.3     | 0.26      | 168      | 0.022      | 0.49    | 0.94       | 0.015      | 0.05      | 0.049   | 80       | 1.1      | 0.04     |
| 11TB0799A | 36.6     | 0.59     | 0.16     | 0.07     | 21      | 0.35       | 0.085      | 4.9      | 11.1     | 0.15      | 190.7    | 0.017      | 0.49    | 0.67       | 0.014      | 0.07      | 0.049   | 120      | 0.8      | 0.03     |
| 11TB0800A | 66.8     | 0.21     | 0.31     | 0.09     | 50      | 1.26       | 0.106      | 40       | 23       | 0.65      | 713.4    | 0.037      | 2       | 1.7        | 0.019      | 0.05      | 0.049   | 88       | 4.9      | 0.06     |
| 11TB0802A | 77.9     | 1.02     | 0.22     | 0.11     | 48      | 1.1        | 0.068      | 6.9      | 16.7     | 0.44      | 447.8    | 0.04       | 2       | 1.3        | 0.013      | 0.09      | 0.049   | 65       | 2.2      | 0.06     |
| 11TB0803A | 31.9     | 0.21     | 0.26     | 0.14     | 61      | 0.33       | 0.039      | 9        | 26       | 0.49      | 276.3    | 0.053      | 1       | 1.62       | 0.011      | 0.05      | 0.1     | 39       | 2.9      | 0.07     |
| 11TB0804A | 86.7     | 0.37     | 0.25     | 0.12     | 76      | 0.74       | 0.075      | 12.2     | 21       | 0.55      | 171.6    | 0.059      | 2       | 1.91       | 0.013      | 0.09      | 0.049   | 43       | 3.3      | 0.04     |
| 11TB0805A | 40.5     | 0.25     | 0.32     | 0.15     | 63      | 0.33       | 0.059      | 9.1      | 25       | 0.48      | 194      | 0.08       | 1       | 1.62       | 0.011      | 0.1       | 0.1     | 30       | 2.4      | 0.07     |
| 11TB0806A | 54.8     | 0.46     | 0.36     | 0.15     | 59      | 0.44       | 0.119      | 7.4      | 27.6     | 0.5       | 407.5    | 0.078      | 2       | 1.69       | 0.015      | 0.09      | 0.049   | 30       | 2.5      | 0.09     |
| 11TB0807A | 43.1     | 0.15     | 0.38     | 0.16     | 63      | 0.34       | 0.059      | 7.6      | 25       | 0.51      | 266.9    | 0.082      | 1       | 1.65       | 0.01       | 0.09      | 0.049   | 17       | 2.4      | 0.08     |
| 11TB0808A | 33.4     | 0.15     | 0.38     | 0.16     | 67      | 0.3        | 0.076      | 7.7      | 22.6     | 0.48      | 243.3    | 0.09       | 1       | 1.64       | 0.012      | 0.08      | 0.049   | 35       | 2        | 0.07     |
| 11TB0809A | 40.2     | 0.21     | 0.41     | 0.17     | 57      | 0.31       | 0.044      | 8.2      | 22.4     | 0.32      | 244.1    | 0.063      | 1       | 1.17       | 0.012      | 0.07      | 0.1     | 32       | 1.9      | 0.07     |
| 11TB0810A | 96.9     | 0.95     | 0.32     | 0.13     | 29      | 0.81       | 0.101      | 5.1      | 14.2     | 0.21      | 465.5    | 0.037      | 3       | 0.56       | 0.018      | 0.1       | 0.049   | 120      | 0.8      | 0.09     |
| 11TB0811A | 17.2     | 0.27     | 0.18     | 0.1      | 18      | 0.09       | 0.078      | 3.8      | 11.2     | 0.08      | 188      | 0.007      | 2       | 0.53       | 0.015      | 0.04      | 0.049   | 105      | 0.2      | 0.04     |
| 11TB0812A | 31.2     | 0.49     | 0.17     | 0.08     | 14      | 0.16       | 0.112      | 3.9      | 9.7      | 0.09      | 206      | 0.006      | 1       | 0.6        | 0.013      | 0.06      | 0.049   | 154      | 0.3      | 0.03     |
| 11TB0813A | 48.7     | 0.32     | 0.19     | 0.08     | 33      | 0.22       | 0.063      | 4.6      | 12.1     | 0.23      | 98.4     | 0.04       | 1       | 0.92       | 0.014      | 0.06      | 0.049   | 84       | 1.2      | 0.03     |
| 11TB0814A | 41.1     | 0.28     | 0.21     | 0.1      | 23      | 0.21       | 0.073      | 7        | 13.4     | 0.15      | 191.5    | 0.01       | 0.49    | 0.82       | 0.015      | 0.05      | 0.049   | 79       | 0.3      | 0.05     |
| 11TB0815A | 55.8     | 0.23     | 0.3      | 0.12     | 24      | 0.66       | 0.094      | 9.9      | 17.3     | 0.26      | 201.3    | 0.036      | 2       | 1.14       | 0.015      | 0.05      | 0.1     | 144      | 2.5      | 0.07     |
| 11TB0816A | 20.8     | 0.24     | 0.3      | 0.19     | 39      | 0.12       | 0.051      | 7.1      | 14.7     | 0.15      | 103.6    | 0.051      | 2       | 0.68       | 0.008      | 0.04      | 0.1     | 53       | 1.1      | 0.09     |
| 11TB0817A | 34.2     | 0.48     | 0.19     | 0.14     | 21      | 0.13       | 0.054      | 6        | 10.7     | 0.08      | 157.2    | 0.028      | 2       | 0.47       | 0.013      | 0.05      | 0.049   | 64       | 0.6      | 0.06     |
| 11TB0818A | 49.9     | 0.16     | 0.2      | 0.21     | 26      | 0.26       | 0.065      | 10.8     | 13.5     | 0.15      | 108.1    | 0.043      | 0.49    | 0.74       | 0.014      | 0.06      | 0.049   | 86       | 1.6      | 0.0099   |
| 11AN0076A | 73.3     | 0.55     | 0.47     | 0.14     | 42      | 0.87       | 0.228      | 37.7     | 18.9     | 0.2       | 840.5    | 0.012      | 1       | 1.19       | 0.015      | 0.04      | 0.1     | 152      | 3.1      | 0.1      |
| 11AN0077A | 28.1     | 0.18     | 0.28     | 0.12     | 34      | 0.32       | 0.091      | 16.9     | 27.5     | 0.36      | 380      | 0.02       | 0.49    | 1.51       | 0.01       | 0.07      | 0.1     | 72       | 3.6      | 0.1      |
| 11AN0078A | 31.2     | 0.2      | 0.22     | 0.13     | 57      | 0.35       | 0.111      | 13.5     | 32.4     | 0.46      | 308.6    | 0.034      | 0.49    | 1.71       | 0.018      | 0.04      | 0.1     | 67       | 3.4      | 0.1      |
| 11AN0079A | 73.6     | 0.22     | 0.29     | 0.08     | 35      | 0.93       | 0.072      | 8.7      | 21.9     | 0.39      | 321.2    | 0.032      | 0.49    | 1.22       | 0.018      | 0.04      | 0.1     | 73       | 2.6      | 0.08     |
| 11AN0080A | 52.1     | 0.26     | 0.36     | 0.29     | 41      | 0.83       | 0.082      | 9.2      | 22.7     | 0.47      | 211.3    | 0.035      | 2       | 1.25       | 0.013      | 0.04      | 0.1     | 53       | 1.8      | 0.08     |
| 11AN0082A | 37.5     | 0.22     | 0.25     | 0.27     | 27      | 0.54       | 0.053      | 8.9      | 16.2     | 0.27      | 166.8    | 0.029      | 2       | 0.89       | 0.012      | 0.05      | 0.049   | 50       | 1.7      | 0.09     |
| 11AN0083A | 20.7     | 0.09     | 0.21     | 0.14     | 36      | 0.25       | 0.032      | 10.1     | 16.4     | 0.3       | 114.4    | 0.043      | 0.49    | 1.15       | 0.008      | 0.06      | 0.1     | 42       | 1.9      | 0.09     |
| 11AN0084A | 17.7     | 0.12     | 0.21     | 0.15     | 34      | 0.18       | 0.054      | 16.1     | 17.9     | 0.27      | 139.4    | 0.027      | 0.49    | 1.13       | 0.008      | 0.06      | 0.049   | 55       | 1.7      | 0.07     |
| 11AN0085A | 50.1     | 0.35     | 0.24     | 0.23     | 15      | 0.61       | 0.11       | 94.9     | 15.6     | 0.18      | 379.1    | 0.011      | 2       | 1.25       | 0.011      | 0.05      | 0.049   | 110      | 1.4      | 0.06     |
| 11AN0086A | 52.3     | 0.54     | 0.3      | 0.16     | 14      | 0.67       | 0.105      | 104.7    | 13.4     | 0.15      | 710.8    | 0.01       | 2       | 1.26       | 0.01       | 0.04      | 0.049   | 110      | 2.2      | 0.05     |
| 11AN0087A | 21.6     | 0.28     | 0.17     | 0.13     | 21      | 0.21       | 0.064      | 24.2     | 12.9     | 0.14      | 175.2    | 0.012      | 1       | 0.72       | 0.01       | 0.05      | 0.1     | 76       | 0.7      | 0.03     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0088A | 26.1     | 0.14     | 0.17     | 0.15     | 23      | 0.17       | 0.037      | 21.2     | 15.9     | 0.11      | 177.8    | 0.021      | 0.49    | 0.94       | 0.01       | 0.04      | 0.049   | 51       | 1.1      | 0.05     |
| 11AN0089A | 63.9     | 0.37     | 0.8      | 0.09     | 23      | 0.77       | 0.15       | 48.8     | 9.2      | 0.16      | 834.7    | 0.006      | 2       | 0.67       | 0.011      | 0.05      | 0.049   | 158      | 3.1      | 0.09     |
| 11AN0090A | 20.1     | 0.08     | 0.15     | 0.13     | 51      | 0.21       | 0.024      | 8.2      | 13.2     | 0.27      | 132      | 0.036      | 0.49    | 1.14       | 0.006      | 0.04      | 0.049   | 22       | 1.8      | 0.08     |
| 11AN0091A | 29.9     | 0.42     | 0.11     | 0.11     | 18      | 0.13       | 0.054      | 5        | 9        | 0.09      | 108.8    | 0.012      | 0.49    | 0.57       | 0.013      | 0.04      | 0.049   | 56       | 0.4      | 0.04     |
| 11AN0092A | 105.3    | 0.26     | 0.38     | 0.08     | 21      | 2.46       | 0.096      | 13.7     | 9.1      | 0.24      | 223      | 0.013      | 4       | 0.79       | 0.016      | 0.03      | 0.049   | 83       | 0.9      | 0.04     |
| 11DS0787A | 19.7     | 0.42     | 0.13     | 0.11     | 14      | 0.05       | 0.079      | 3.8      | 12.1     | 0.04      | 153.8    | 0.003      | 0.49    | 0.5        | 0.011      | 0.03      | 0.049   | 82       | 0.3      | 0.0099   |
| 11DS0788A | 24.8     | 0.57     | 0.24     | 0.15     | 36      | 0.13       | 0.072      | 5.2      | 13.8     | 0.13      | 244      | 0.019      | 0.49    | 0.69       | 0.009      | 0.04      | 0.049   | 50       | 0.6      | 0.05     |
| 11DS0789A | 27.6     | 0.27     | 0.18     | 0.1      | 14      | 0.07       | 0.113      | 3.2      | 11       | 0.06      | 185      | 0.002      | 0.49    | 0.56       | 0.012      | 0.04      | 0.049   | 95       | 0.2      | 0.02     |
| 11DS0790A | 22.8     | 0.27     | 0.23     | 0.13     | 26      | 0.12       | 0.06       | 3.6      | 12.2     | 0.07      | 249.8    | 0.009      | 0.49    | 0.48       | 0.01       | 0.04      | 0.049   | 71       | 0.3      | 0.05     |
| 11DS0791A | 35.1     | 0.79     | 0.18     | 0.13     | 19      | 0.07       | 0.062      | 4.1      | 13.6     | 0.06      | 246.3    | 0.004      | 0.49    | 0.49       | 0.012      | 0.04      | 0.049   | 58       | 0.2      | 0.03     |
| 11DS0792A | 24.7     | 0.8      | 0.13     | 0.09     | 12      | 0.04       | 0.112      | 2.5      | 10.1     | 0.04      | 183      | 0.001      | 0.49    | 0.58       | 0.01       | 0.03      | 0.049   | 65       | 0.2      | 0.0099   |
| 11DS0793A | 76.8     | 0.81     | 0.2      | 0.11     | 18      | 0.58       | 0.089      | 2.7      | 13       | 0.1       | 621.3    | 0.019      | 0.49    | 0.35       | 0.012      | 0.08      | 0.049   | 133      | 0.6      | 0.05     |
| 11DS0794A | 80.8     | 0.65     | 0.3      | 0.18     | 29      | 0.46       | 0.073      | 4.6      | 15       | 0.14      | 570.1    | 0.022      | 0.49    | 0.59       | 0.014      | 0.06      | 0.049   | 121      | 0.6      | 0.06     |
| 11DS0795A | 128.9    | 0.74     | 0.26     | 0.13     | 27      | 1.05       | 0.095      | 3.7      | 13.7     | 0.23      | 818.6    | 0.033      | 3       | 0.58       | 0.012      | 0.13      | 0.049   | 110      | 0.9      | 0.08     |
| 11DS0796A | 195.1    | 1.2      | 0.18     | 0.13     | 21      | 1.63       | 0.112      | 2.6      | 10.6     | 0.26      | 654.5    | 0.028      | 6       | 0.47       | 0.012      | 0.11      | 0.049   | 134      | 0.7      | 0.06     |
| 11DS0797A | 132      | 0.61     | 0.31     | 0.13     | 40      | 1.25       | 0.109      | 4.9      | 20.2     | 0.38      | 518.9    | 0.04       | 3       | 1.14       | 0.012      | 0.17      | 0.049   | 70       | 1.5      | 0.07     |
| 11DS0798A | 192.3    | 1.35     | 0.22     | 0.09     | 22      | 1.78       | 0.117      | 2.7      | 12       | 0.26      | 747.4    | 0.022      | 5       | 0.62       | 0.012      | 0.12      | 0.049   | 124      | 0.7      | 0.07     |
| 11DS0799A | 110.9    | 1        | 0.32     | 0.12     | 40      | 1.04       | 0.087      | 5        | 21.8     | 0.33      | 487.4    | 0.035      | 3       | 1.14       | 0.011      | 0.11      | 0.049   | 96       | 1.3      | 0.07     |
| 11DS0800A | 134.5    | 2.3      | 0.22     | 0.1      | 28      | 1.53       | 0.098      | 5.9      | 17       | 0.28      | 538.1    | 0.027      | 3       | 0.77       | 0.015      | 0.11      | 0.049   | 162      | 1.3      | 0.06     |
| 11TB0819A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0820A | 31.3     | 0.16     | 0.45     | 0.17     | 51      | 0.37       | 0.083      | 13.3     | 38.7     | 0.57      | 342      | 0.04       | 2       | 1.87       | 0.012      | 0.07      | 0.1     | 76       | 5        | 0.11     |
| 11TB0822A | 56.5     | 0.17     | 0.33     | 0.13     | 58      | 0.7        | 0.086      | 11.6     | 32.1     | 0.53      | 279.5    | 0.039      | 1       | 1.48       | 0.02       | 0.05      | 0.049   | 63       | 3.9      | 0.09     |
| 11TB0823A | 65.1     | 0.3      | 0.37     | 0.13     | 10      | 0.76       | 0.112      | 5.7      | 6.2      | 0.13      | 192.5    | 0.016      | 2       | 0.35       | 0.016      | 0.09      | 0.049   | 166      | 0.9      | 0.06     |
| 11TB0824A | 86.3     | 0.14     | 0.26     | 0.15     | 40      | 1.23       | 0.052      | 11.4     | 25.4     | 0.55      | 306.6    | 0.05       | 2       | 1.41       | 0.015      | 0.06      | 0.049   | 49       | 2.8      | 0.1      |
| 11TB0825A | 60.8     | 0.23     | 0.57     | 0.17     | 20      | 0.77       | 0.112      | 68.1     | 18.3     | 0.39      | 379.9    | 0.045      | 3       | 1.09       | 0.014      | 0.07      | 0.1     | 119      | 4.2      | 0.11     |
| 11TB0826A | 29.8     | 0.14     | 0.28     | 0.15     | 30      | 0.29       | 0.076      | 29.9     | 22.6     | 0.32      | 219.5    | 0.029      | 1       | 1.26       | 0.01       | 0.06      | 0.049   | 91       | 2.5      | 0.09     |
| 11TB0827A | 58.7     | 0.24     | 0.32     | 0.13     | 11      | 0.71       | 0.087      | 101.4    | 12.6     | 0.14      | 388.5    | 0.02       | 2       | 0.74       | 0.012      | 0.05      | 0.049   | 135      | 2.4      | 0.06     |
| 11TB0828A | 44.1     | 0.6      | 0.27     | 0.11     | 11      | 0.47       | 0.086      | 53.1     | 12.8     | 0.1       | 263.4    | 0.014      | 2       | 0.48       | 0.012      | 0.07      | 0.049   | 105      | 1.1      | 0.05     |
| 11TB0829A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0830A | 19       | 0.14     | 0.23     | 0.14     | 49      | 0.19       | 0.052      | 28.3     | 24.5     | 0.47      | 138.2    | 0.063      | 0.49    | 1.72       | 0.009      | 0.11      | 0.1     | 44       | 3.6      | 0.12     |
| 11TB0831A | 24.4     | 0.2      | 0.29     | 0.16     | 51      | 0.17       | 0.053      | 11.8     | 22.6     | 0.32      | 181.6    | 0.034      | 0.49    | 1.41       | 0.008      | 0.05      | 0.049   | 48       | 2.6      | 0.07     |
| 11TB0832A | 35.4     | 0.27     | 0.29     | 0.17     | 67      | 0.4        | 0.054      | 8.9      | 22       | 0.43      | 232.3    | 0.045      | 0.49    | 1.76       | 0.017      | 0.05      | 0.1     | 67       | 3.5      | 0.09     |
| 11TB0833A | 14.1     | 0.41     | 0.22     | 0.14     | 20      | 0.05       | 0.115      | 3.3      | 12.4     | 0.08      | 143      | 0.005      | 0.49    | 0.81       | 0.015      | 0.04      | 0.049   | 148      | 0.1      | 0.04     |
| 11TB0834A | 66.2     | 0.17     | 0.27     | 0.16     | 49      | 0.16       | 0.052      | 7.2      | 16.3     | 0.25      | 109.1    | 0.04       | 0.49    | 1.05       | 0.015      | 0.05      | 0.049   | 79       | 1.5      | 0.06     |
| 11TB0835A | 174      | 0.12     | 0.41     | 0.08     | 8       | 3.32       | 0.072      | 5.1      | 9.2      | 0.33      | 110.5    | 0.013      | 6       | 0.37       | 0.018      | 0.02      | 0.049   | 107      | 1.4      | 0.03     |
| 11TB0836A | 64.6     | 1.15     | 0.26     | 0.11     | 43      | 0.6        | 0.071      | 5.4      | 16.7     | 0.33      | 180.4    | 0.052      | 2       | 1.2        | 0.013      | 0.08      | 0.049   | 79       | 2.2      | 0.05     |
| 11TB0837A | 32.6     | 1.12     | 0.25     | 0.14     | 18      | 0.25       | 0.095      | 13.3     | 14       | 0.09      | 599.4    | 0.004      | 1       | 0.58       | 0.019      | 0.07      | 0.049   | 65       | 0.2      | 0.04     |
| 11AN0093A | 22.2     | 0.18     | 0.18     | 0.16     | 22      | 0.19       | 0.068      | 7.6      | 14.3     | 0.1       | 294.3    | 0.003      | 0.49    | 0.89       | 0.009      | 0.04      | 0.049   | 53       | 0.3      | 0.06     |
| 11AN0094A | 16.8     | 0.34     | 0.23     | 0.15     | 20      | 0.17       | 0.089      | 10.4     | 11       | 0.11      | 271.3    | 0.005      | 0.49    | 0.65       | 0.009      | 0.07      | 0.049   | 71       | 0.3      | 0.04     |
| 11AN0095A | 62.6     | 0.57     | 0.29     | 0.43     | 16      | 0.89       | 0.104      | 21.8     | 13.3     | 0.21      | 848.3    | 0.012      | 2       | 0.81       | 0.012      | 0.06      | 0.1     | 101      | 1.3      | 0.02     |
| 11AN0096A | 95.4     | 0.31     | 0.28     | 0.16     | 25      | 1.73       | 0.078      | 18.2     | 19.9     | 0.38      | 861.8    | 0.019      | 2       | 1.17       | 0.014      | 0.05      | 0.1     | 88       | 2.6      | 0.07     |
| 11AN0097A | 63.7     | 0.41     | 0.29     | 0.14     | 35      | 0.9        | 0.102      | 18.6     | 21.3     | 0.38      | 786.4    | 0.022      | 1       | 1.23       | 0.013      | 0.05      | 0.1     | 81       | 2.6      | 0.09     |
| 11AN0098A | 80       | 0.56     | 0.41     | 0.13     | 36      | 1.32       | 0.073      | 17.5     | 20       | 0.37      | 811.3    | 0.025      | 1       | 1.14       | 0.011      | 0.04      | 0.2     | 63       | 2.7      | 0.07     |
| 11AN0099A | 52.1     | 0.19     | 0.33     | 0.13     | 37      | 0.7        | 0.068      | 19.8     | 22.5     | 0.34      | 498.6    | 0.027      | 1       | 1.26       | 0.012      | 0.06      | 0.1     | 65       | 3.2      | 0.08     |
| 11AN0100A | 41.2     | 0.18     | 0.26     | 0.1      | 19      | 0.44       | 0.115      | 12.6     | 15.2     | 0.21      | 304.1    | 0.016      | 1       | 0.83       | 0.013      | 0.04      | 0.1     | 96       | 1.6      | 0.06     |
| 11AN0102A | 30.9     | 0.06     | 0.25     | 0.12     | 48      | 0.38       | 0.055      | 11.7     | 28.7     | 0.49      | 192      | 0.051      | 0.49    | 1.62       | 0.015      | 0.04      | 0.1     | 48       | 3.2      | 0.09     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0103A | 25.9     | 0.17     | 0.21     | 0.08     | 24      | 0.29       | 0.062      | 10.2     | 17.2     | 0.21      | 106.3    | 0.037      | 1       | 1          | 0.016      | 0.06      | 0.049   | 68       | 2.2      | 0.06     |
| 11AN0104A | 31.5     | 0.13     | 0.24     | 0.12     | 35      | 0.36       | 0.065      | 15       | 22.6     | 0.38      | 177.2    | 0.049      | 1       | 1.34       | 0.014      | 0.06      | 0.049   | 66       | 2.6      | 0.09     |
| 11AN0105A | 20.3     | 0.11     | 0.2      | 0.08     | 29      | 0.21       | 0.051      | 13.1     | 13.6     | 0.26      | 111.8    | 0.04       | 0.49    | 1.11       | 0.011      | 0.08      | 0.049   | 51       | 1.9      | 0.07     |
| 11AN0106A | 24.1     | 0.12     | 0.17     | 0.08     | 18      | 0.25       | 0.049      | 17.1     | 11       | 0.11      | 132.4    | 0.013      | 0.49    | 0.56       | 0.014      | 0.06      | 0.049   | 78       | 0.6      | 0.04     |
| 11AN0107A | 21.1     | 0.2      | 0.27     | 0.29     | 29      | 0.15       | 0.063      | 22.3     | 39.7     | 0.29      | 234.9    | 0.041      | 1       | 0.66       | 0.013      | 0.08      | 0.049   | 64       | 0.8      | 0.06     |
| 11AN0108A | 10.8     | 0.18     | 0.22     | 0.24     | 30      | 0.05       | 0.031      | 8.6      | 11.7     | 0.07      | 103.1    | 0.026      | 0.49    | 0.67       | 0.008      | 0.03      | 0.049   | 42       | 0.5      | 0.06     |
| 11AN0109A | 25.1     | 0.75     | 0.19     | 0.17     | 17      | 0.12       | 0.065      | 73.3     | 12.3     | 0.05      | 345.3    | 0.006      | 0.49    | 0.68       | 0.011      | 0.03      | 0.049   | 69       | 0.4      | 0.02     |
| 11AN0110A | 16.6     | 0.2      | 0.19     | 0.19     | 27      | 0.07       | 0.023      | 13.5     | 11.7     | 0.09      | 121.8    | 0.041      | 1       | 0.71       | 0.01       | 0.03      | 0.049   | 45       | 1.3      | 0.05     |
| 11AN0111A | 13.1     | 0.17     | 0.19     | 0.15     | 27      | 0.08       | 0.034      | 17.7     | 11.2     | 0.12      | 117.8    | 0.038      | 0.49    | 0.8        | 0.009      | 0.05      | 0.049   | 48       | 1.1      | 0.04     |
| 11AN0112A | 25.4     | 0.32     | 0.17     | 0.12     | 15      | 0.23       | 0.076      | 29.7     | 11.6     | 0.08      | 235.8    | 0.008      | 0.49    | 0.76       | 0.013      | 0.04      | 0.2     | 63       | 0.8      | 0.03     |
| 11AN0113A | 20.4     | 0.23     | 0.16     | 0.11     | 14      | 0.16       | 0.065      | 14.4     | 11.4     | 0.06      | 140.4    | 0.006      | 0.49    | 0.59       | 0.013      | 0.04      | 0.049   | 55       | 0.4      | 0.03     |
| 11AN0114A | 20.7     | 0.16     | 0.19     | 0.13     | 27      | 0.22       | 0.047      | 12.8     | 15.2     | 0.18      | 152.8    | 0.028      | 0.49    | 1.08       | 0.013      | 0.04      | 0.2     | 68       | 0.9      | 0.06     |
| 11AN0115A | 20.4     | 0.12     | 0.21     | 0.1      | 49      | 0.25       | 0.047      | 8.1      | 24       | 0.46      | 101.5    | 0.08       | 0.49    | 1.26       | 0.016      | 0.08      | 0.2     | 60       | 2.4      | 0.05     |
| 11AN0116A | 26.1     | 0.25     | 0.2      | 0.1      | 22      | 0.23       | 0.084      | 18.3     | 18.6     | 0.18      | 170.6    | 0.029      | 0.49    | 1          | 0.012      | 0.05      | 0.1     | 90       | 1.5      | 0.04     |
| 11AN0117A | 43.5     | 0.28     | 0.27     | 0.06     | 9       | 0.41       | 0.139      | 43.6     | 11.6     | 0.14      | 278.6    | 0.021      | 2       | 0.94       | 0.016      | 0.04      | 0.049   | 119      | 2.6      | 0.03     |
| 11AN0118A | 26.1     | 0.1      | 0.16     | 0.1      | 19      | 0.23       | 0.079      | 17.1     | 21.9     | 0.26      | 161.6    | 0.027      | 0.49    | 1.1        | 0.012      | 0.06      | 0.1     | 90       | 2.1      | 0.09     |
| 11CB0783A | 35.3     | 0.48     | 0.23     | 0.2      | 27      | 0.43       | 0.328      | 23.2     | 27.2     | 0.17      | 358.2    | 0.038      | 2       | 1.36       | 0.025      | 0.18      | 0.049   | 10       | 4.6      | 0.05     |
| 11CB0784A | 68.4     | 1.48     | 0.27     | 0.15     | 23      | 1.25       | 0.381      | 23.9     | 17.9     | 0.16      | 883      | 0.04       | 4       | 0.84       | 0.024      | 0.16      | 0.049   | 19       | 4.1      | 0.02     |
| 11CB0785A | 53.3     | 0.59     | 0.23     | 0.06     | 9       | 0.91       | 0.123      | 34.2     | 7.8      | 0.14      | 888.9    | 0.009      | 3       | 0.55       | 0.014      | 0.07      | 0.049   | 149      | 0.6      | 0.02     |
| 11CB0786A | 51       | 1.78     | 0.21     | 0.11     | 16      | 0.94       | 0.221      | 6.8      | 11.6     | 0.14      | 865.4    | 0.021      | 3       | 0.47       | 0.019      | 0.1       | 0.049   | 55       | 0.8      | 0.03     |
| 11CB0787A | 98.4     | 0.3      | 0.69     | 0.13     | 20      | 1.61       | 0.12       | 60.9     | 20.8     | 0.3       | 1725.9   | 0.028      | 5       | 1.47       | 0.017      | 0.08      | 0.1     | 153      | 5.1      | 0.07     |
| 11CB0788A | 45.8     | 0.16     | 0.28     | 0.06     | 8       | 0.71       | 0.127      | 20.7     | 10.5     | 0.09      | 719.3    | 0.016      | 4       | 0.44       | 0.016      | 0.05      | 0.049   | 129      | 2.3      | 0.03     |
| 11CB0789A | 54.2     | 0.11     | 0.27     | 0.07     | 16      | 0.98       | 0.08       | 12.4     | 10.9     | 0.18      | 408.9    | 0.021      | 2       | 0.57       | 0.015      | 0.03      | 0.049   | 94       | 1.6      | 0.04     |
| 11CB0790A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB0791A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB0792A | 70.5     | 0.16     | 0.38     | 0.05     | 7       | 1.33       | 0.104      | 21.5     | 6.3      | 0.14      | 334.1    | 0.015      | 3       | 0.42       | 0.015      | 0.03      | 0.049   | 107      | 1.9      | 0.0099   |
| 11CB0793A | 50.3     | 0.2      | 0.2      | 0.05     | 11      | 0.95       | 0.071      | 19.6     | 8.6      | 0.16      | 217      | 0.025      | 3       | 0.47       | 0.013      | 0.04      | 0.1     | 97       | 1.2      | 0.03     |
| 11CB0794A | 31.2     | 0.29     | 0.28     | 0.13     | 19      | 0.42       | 0.097      | 21.4     | 13.3     | 0.18      | 266.4    | 0.022      | 3       | 0.7        | 0.012      | 0.04      | 0.1     | 94       | 1.2      | 0.08     |
| 11CB0795A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB0796A | 34.3     | 0.43     | 0.26     | 0.07     | 12      | 0.39       | 0.111      | 26.6     | 9        | 0.1       | 290.6    | 0.011      | 2       | 0.68       | 0.012      | 0.05      | 0.049   | 99       | 0.9      | 0.04     |
| 11CB0797A | 39       | 0.2      | 0.28     | 0.06     | 9       | 0.49       | 0.102      | 21.2     | 9.9      | 0.12      | 254.1    | 0.019      | 3       | 0.59       | 0.013      | 0.04      | 0.049   | 111      | 1.6      | 0.04     |
| 11CB0798A | 38.3     | 0.44     | 0.27     | 0.07     | 13      | 0.43       | 0.095      | 71       | 12.2     | 0.09      | 377.2    | 0.021      | 2       | 0.69       | 0.014      | 0.06      | 0.049   | 121      | 1.7      | 0.05     |
| 11CB0799A | 33.1     | 0.46     | 0.27     | 0.13     | 31      | 0.27       | 0.059      | 58.7     | 17.3     | 0.18      | 396.6    | 0.039      | 1       | 1.2        | 0.011      | 0.06      | 0.1     | 61       | 2.9      | 0.04     |
| 11CB0800A | 30.9     | 0.33     | 0.23     | 0.07     | 14      | 0.33       | 0.112      | 40.6     | 10.4     | 0.09      | 263.6    | 0.02       | 2       | 0.68       | 0.013      | 0.07      | 0.049   | 104      | 1.4      | 0.04     |
| 11CB0802A | 20.6     | 0.7      | 0.22     | 0.07     | 14      | 0.12       | 0.085      | 3.4      | 9.1      | 0.07      | 274.9    | 0.02       | 0.49    | 0.33       | 0.019      | 0.07      | 0.049   | 83       | 0.6      | 0.04     |
| 11CB0803A | 13.9     | 0.25     | 0.14     | 0.09     | 15      | 0.07       | 0.044      | 5.6      | 10       | 0.05      | 151.2    | 0.023      | 0.49    | 0.4        | 0.016      | 0.03      | 0.049   | 57       | 0.8      | 0.03     |
| 11CB0804A | 12.4     | 0.25     | 0.17     | 0.09     | 15      | 0.05       | 0.049      | 3.7      | 9.3      | 0.04      | 126.8    | 0.009      | 1       | 0.37       | 0.016      | 0.04      | 0.049   | 66       | 0.3      | 0.03     |
| 11CB0805A | 20.7     | 0.44     | 0.18     | 0.07     | 16      | 0.16       | 0.07       | 3.5      | 9        | 0.06      | 165      | 0.016      | 1       | 0.38       | 0.009      | 0.06      | 0.049   | 87       | 0.5      | 0.0099   |
| 11CB0806A | 20.4     | 0.32     | 0.15     | 0.13     | 21      | 0.12       | 0.06       | 28.9     | 16.9     | 0.1       | 215.5    | 0.015      | 0.49    | 1.18       | 0.012      | 0.04      | 0.1     | 61       | 0.7      | 0.04     |
| 11CB0807A | 48.9     | 0.3      | 0.19     | 0.06     | 8       | 0.41       | 0.112      | 15.5     | 9.2      | 0.06      | 342.9    | 0.011      | 2       | 0.48       | 0.014      | 0.04      | 0.049   | 128      | 1        | 0.02     |
| 11CB0808A | 16.2     | 0.33     | 0.21     | 0.16     | 22      | 0.1        | 0.096      | 18.7     | 14.6     | 0.1       | 298.2    | 0.009      | 1       | 1          | 0.009      | 0.06      | 0.049   | 72       | 0.9      | 0.05     |
| 11CB0809A | 57.9     | 0.25     | 0.3      | 0.1      | 17      | 0.91       | 0.089      | 18.1     | 10       | 0.13      | 355.2    | 0.019      | 2       | 0.79       | 0.016      | 0.06      | 0.049   | 146      | 1.7      | 0.04     |
| 11DS0802A | 16.8     | 0.59     | 0.25     | 0.14     | 23      | 0.1        | 0.083      | 3.7      | 17       | 0.04      | 150.5    | 0.003      | 0.49    | 0.5        | 0.013      | 0.05      | 0.049   | 69       | 0.3      | 0.03     |
| 11DS0803A | 17       | 0.32     | 0.28     | 0.27     | 28      | 0.14       | 0.1        | 15.8     | 24.2     | 0.18      | 368.1    | 0.017      | 0.49    | 1.1        | 0.01       | 0.05      | 0.049   | 96       | 1.2      | 0.05     |
| 11DS0804A | 12.6     | 0.35     | 0.29     | 0.16     | 27      | 0.08       | 0.076      | 5.6      | 22       | 0.05      | 89.8     | 0.01       | 0.49    | 0.49       | 0.012      | 0.05      | 0.049   | 50       | 0.3      | 0.04     |
| 11DS0805A | 93.4     | 0.21     | 0.44     | 0.33     | 33      | 2.07       | 0.12       | 37.7     | 32.9     | 0.36      | 1412.8   | 0.018      | 3       | 1.94       | 0.012      | 0.07      | 0.2     | 126      | 4.6      | 0.13     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS0806A | 85.1     | 0.35     | 0.39     | 0.15     | 24      | 1.7        | 0.1        | 33       | 18.7     | 0.29      | 1233     | 0.02       | 2       | 1.03       | 0.013      | 0.03      | 0.049   | 103      | 2.9      | 0.12     |
| 11DS0807A | 94.4     | 0.16     | 0.32     | 0.21     | 9       | 1.94       | 0.079      | 11.3     | 11.2     | 0.28      | 593.9    | 0.016      | 4       | 0.4        | 0.014      | 0.04      | 0.049   | 125      | 1.5      | 0.09     |
| 11DS0808A | 57.1     | 0.18     | 0.53     | 0.18     | 11      | 0.91       | 0.114      | 14.1     | 27.7     | 0.16      | 601.1    | 0.018      | 3       | 0.47       | 0.012      | 0.04      | 0.049   | 181      | 2.1      | 0.09     |
| 11DS0809A | 35.1     | 0.15     | 0.3      | 0.18     | 21      | 0.49       | 0.085      | 10.6     | 14.5     | 0.18      | 289.5    | 0.024      | 2       | 0.62       | 0.01       | 0.05      | 0.1     | 89       | 1.7      | 0.09     |
| 11DS0810A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0811A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0812A | 33.4     | 0.16     | 0.33     | 0.15     | 16      | 0.4        | 0.088      | 17.7     | 12.6     | 0.14      | 331.1    | 0.027      | 1       | 0.71       | 0.01       | 0.04      | 0.1     | 130      | 1.9      | 0.07     |
| 11DS0813A | 34       | 0.17     | 0.3      | 0.15     | 20      | 0.37       | 0.1        | 15.5     | 17.9     | 0.2       | 179.4    | 0.026      | 0.49    | 0.75       | 0.013      | 0.05      | 0.049   | 115      | 1.3      | 0.09     |
| 11DS0814A | 30.4     | 0.44     | 0.23     | 0.09     | 13      | 0.29       | 0.121      | 27.3     | 12.1     | 0.11      | 190.1    | 0.011      | 0.49    | 0.53       | 0.012      | 0.1       | 0.049   | 171      | 0.5      | 0.06     |
| 11DS0815A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0815A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0816A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0816A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0817A | 22.6     | 0.27     | 0.25     | 0.36     | 14      | 0.11       | 0.084      | 8.4      | 7.2      | 0.05      | 153.5    | 0.009      | 2       | 0.4        | 0.01       | 0.05      | 0.049   | 107      | 0.4      | 0.05     |
| 11DS0817A | 22.6     | 0.27     | 0.25     | 0.36     | 14      | 0.11       | 0.084      | 8.4      | 7.2      | 0.05      | 153.5    | 0.009      | 2       | 0.4        | 0.01       | 0.05      | 0.049   | 107      | 0.4      | 0.05     |
| 11DS0818A | 23.6     | 0.44     | 0.25     | 0.26     | 14      | 0.12       | 0.093      | 9.7      | 8.3      | 0.06      | 271.5    | 0.015      | 4       | 0.45       | 0.014      | 0.06      | 0.049   | 167      | 0.8      | 0.09     |
| 11DS0818A | 23.6     | 0.44     | 0.25     | 0.26     | 14      | 0.12       | 0.093      | 9.7      | 8.3      | 0.06      | 271.5    | 0.015      | 4       | 0.45       | 0.014      | 0.06      | 0.049   | 167      | 0.8      | 0.09     |
| 11DS0819A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0819A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0820A | 12.3     | 0.36     | 0.23     | 0.13     | 18      | 0.03       | 0.064      | 4        | 10.9     | 0.05      | 155.3    | 0.01       | 1       | 0.52       | 0.011      | 0.04      | 0.049   | 93       | 0.4      | 0.05     |
| 11DS0820A | 12.3     | 0.36     | 0.23     | 0.13     | 18      | 0.03       | 0.064      | 4        | 10.9     | 0.05      | 155.3    | 0.01       | 1       | 0.52       | 0.011      | 0.04      | 0.049   | 93       | 0.4      | 0.05     |
| 11DS0822A | 15.5     | 0.38     | 0.16     | 0.16     | 15      | 0.06       | 0.062      | 4.5      | 9.7      | 0.04      | 136.8    | 0.005      | 1       | 0.46       | 0.011      | 0.03      | 0.049   | 68       | 0.2      | 0.05     |
| 11DS0822A | 15.5     | 0.38     | 0.16     | 0.16     | 15      | 0.06       | 0.062      | 4.5      | 9.7      | 0.04      | 136.8    | 0.005      | 1       | 0.46       | 0.011      | 0.03      | 0.049   | 68       | 0.2      | 0.05     |
| 11DS0823A | 11.2     | 0.19     | 0.19     | 0.16     | 18      | 0.05       | 0.058      | 9.5      | 11.1     | 0.05      | 106.3    | 0.006      | 5       | 0.5        | 0.011      | 0.03      | 0.049   | 85       | 0.2      | 0.05     |
| 11DS0823A | 11.2     | 0.19     | 0.19     | 0.16     | 18      | 0.05       | 0.058      | 9.5      | 11.1     | 0.05      | 106.3    | 0.006      | 5       | 0.5        | 0.011      | 0.03      | 0.049   | 85       | 0.2      | 0.05     |
| 11DS0824A | 20       | 0.28     | 0.18     | 0.12     | 12      | 0.08       | 0.086      | 9        | 9.6      | 0.04      | 234.4    | 0.013      | 2       | 0.54       | 0.013      | 0.05      | 0.049   | 132      | 0.5      | 0.05     |
| 11DS0824A | 20       | 0.28     | 0.18     | 0.12     | 12      | 0.08       | 0.086      | 9        | 9.6      | 0.04      | 234.4    | 0.013      | 2       | 0.54       | 0.013      | 0.05      | 0.049   | 132      | 0.5      | 0.05     |
| 11DS0825A | 26.3     | 0.36     | 0.23     | 0.09     | 10      | 0.17       | 0.108      | 27.8     | 8.6      | 0.06      | 258      | 0.01       | 2       | 0.65       | 0.012      | 0.05      | 0.049   | 120      | 0.5      | 0.06     |
| 11DS0825A | 26.3     | 0.36     | 0.23     | 0.09     | 10      | 0.17       | 0.108      | 27.8     | 8.6      | 0.06      | 258      | 0.01       | 2       | 0.65       | 0.012      | 0.05      | 0.049   | 120      | 0.5      | 0.06     |
| 11DS0826A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0826A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0827A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0827A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0838A | 18.8     | 0.61     | 0.22     | 0.2      | 19      | 0.14       | 0.064      | 5.9      | 17.2     | 0.06      | 136.2    | 0.009      | 0.49    | 0.56       | 0.013      | 0.05      | 0.049   | 41       | 0.2      | 0.08     |
| 11TB0839A | 39.3     | 1.44     | 0.32     | 0.36     | 31      | 0.37       | 0.1        | 38       | 21.1     | 0.24      | 575.7    | 0.018      | 1       | 1.08       | 0.013      | 0.09      | 0.049   | 60       | 0.7      | 0.06     |
| 11TB0840A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0842A | 33.4     | 0.44     | 0.76     | 0.17     | 30      | 0.33       | 0.076      | 28.5     | 21.1     | 0.27      | 285.7    | 0.028      | 0.49    | 1.03       | 0.012      | 0.06      | 0.2     | 147      | 1.8      | 0.07     |
| 11TB0843A | 58.8     | 0.36     | 0.74     | 0.15     | 28      | 0.78       | 0.083      | 27.7     | 23       | 0.32      | 592.8    | 0.032      | 2       | 1.11       | 0.013      | 0.06      | 0.1     | 128      | 3.3      | 0.09     |
| 11TB0844A | 27       | 0.35     | 0.35     | 0.19     | 33      | 0.28       | 0.067      | 13.9     | 24.3     | 0.31      | 261.3    | 0.026      | 1       | 1.3        | 0.011      | 0.06      | 0.1     | 76       | 1.6      | 0.11     |
| 11TB0845A | 36.9     | 0.49     | 0.24     | 0.06     | 13      | 0.58       | 0.083      | 12.7     | 8.6      | 0.09      | 296.3    | 0.013      | 2       | 0.34       | 0.02       | 0.07      | 0.049   | 96       | 0.7      | 0.03     |
| 11TB0845A | 36.9     | 0.49     | 0.24     | 0.06     | 13      | 0.58       | 0.083      | 12.7     | 8.6      | 0.09      | 296.3    | 0.013      | 2       | 0.34       | 0.02       | 0.07      | 0.049   | 96       | 0.7      | 0.03     |
| 11TB0846A | 31.6     | 1.11     | 0.25     | 0.11     | 24      | 0.32       | 0.057      | 31.5     | 12.9     | 0.1       | 347.6    | 0.011      | 0.49    | 0.57       | 0.017      | 0.06      | 0.049   | 56       | 0.6      | 0.03     |
| 11TB0846A | 31.6     | 1.11     | 0.25     | 0.11     | 24      | 0.32       | 0.057      | 31.5     | 12.9     | 0.1       | 347.6    | 0.011      | 0.49    | 0.57       | 0.017      | 0.06      | 0.049   | 56       | 0.6      | 0.03     |
| 11TB0890A | 24.7     | 0.42     | 0.3      | 0.09     | 21      | 0.25       | 0.067      | 12.6     | 10.5     | 0.13      | 190.7    | 0.023      | 1       | 0.62       | 0.015      | 0.06      | 0.1     | 100      | 0.9      | 0.04     |
| 11TB0890A | 24.7     | 0.42     | 0.3      | 0.09     | 21      | 0.25       | 0.067      | 12.6     | 10.5     | 0.13      | 190.7    | 0.023      | 1       | 0.62       | 0.015      | 0.06      | 0.1     | 100      | 0.9      | 0.04     |
| 11TB0891A | 28       | 0.18     | 0.39     | 0.12     | 26      | 0.29       | 0.06       | 22.1     | 17.9     | 0.22      | 213.3    | 0.03       | 1       | 1.11       | 0.01       | 0.05      | 0.1     | 78       | 2        | 0.06     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB0891A | 28       | 0.18     | 0.39     | 0.12     | 26      | 0.29       | 0.06       | 22.1     | 17.9     | 0.22      | 213.3    | 0.03       | 1       | 1.11       | 0.01       | 0.05      | 0.1     | 78       | 2        | 0.06     |
| 11TB0892A | 29.5     | 0.23     | 0.31     | 0.11     | 24      | 0.32       | 0.075      | 19       | 16.2     | 0.21      | 207.1    | 0.03       | 1       | 0.98       | 0.013      | 0.06      | 0.1     | 98       | 1.9      | 0.07     |
| 11TB0892A | 29.5     | 0.23     | 0.31     | 0.11     | 24      | 0.32       | 0.075      | 19       | 16.2     | 0.21      | 207.1    | 0.03       | 1       | 0.98       | 0.013      | 0.06      | 0.1     | 98       | 1.9      | 0.07     |
| 11TB0893A | 37.7     | 0.19     | 0.52     | 0.15     | 31      | 0.44       | 0.093      | 32.3     | 24.5     | 0.29      | 315.1    | 0.035      | 1       | 1.71       | 0.012      | 0.06      | 0.1     | 103      | 4.2      | 0.09     |
| 11TB0893A | 37.7     | 0.19     | 0.52     | 0.15     | 31      | 0.44       | 0.093      | 32.3     | 24.5     | 0.29      | 315.1    | 0.035      | 1       | 1.71       | 0.012      | 0.06      | 0.1     | 103      | 4.2      | 0.09     |
| 11TB0894A | 44.7     | 0.19     | 0.41     | 0.08     | 15      | 0.5        | 0.096      | 22.8     | 13       | 0.18      | 275.8    | 0.023      | 2       | 0.82       | 0.012      | 0.06      | 0.1     | 113      | 2.1      | 0.05     |
| 11TB0894A | 44.7     | 0.19     | 0.41     | 0.08     | 15      | 0.5        | 0.096      | 22.8     | 13       | 0.18      | 275.8    | 0.023      | 2       | 0.82       | 0.012      | 0.06      | 0.1     | 113      | 2.1      | 0.05     |
| 11TB0895A | 31.8     | 0.61     | 0.14     | 0.05     | 9       | 0.32       | 0.076      | 8.2      | 7.1      | 0.08      | 180      | 0.017      | 1       | 0.44       | 0.011      | 0.04      | 0.049   | 91       | 1.6      | 0.0099   |
| 11TB0895A | 31.8     | 0.61     | 0.14     | 0.05     | 9       | 0.32       | 0.076      | 8.2      | 7.1      | 0.08      | 180      | 0.017      | 1       | 0.44       | 0.011      | 0.04      | 0.049   | 91       | 1.6      | 0.0099   |
| 11TB0896A | 19.5     | 0.13     | 0.22     | 0.13     | 25      | 0.21       | 0.062      | 13.7     | 20       | 0.21      | 138.1    | 0.021      | 2       | 0.81       | 0.009      | 0.06      | 0.1     | 60       | 1.4      | 0.07     |
| 11TB0896A | 19.5     | 0.13     | 0.22     | 0.13     | 25      | 0.21       | 0.062      | 13.7     | 20       | 0.21      | 138.1    | 0.021      | 2       | 0.81       | 0.009      | 0.06      | 0.1     | 60       | 1.4      | 0.07     |
| 11TB0897A | 65.2     | 0.88     | 0.32     | 0.14     | 36      | 0.81       | 0.075      | 12.4     | 16.4     | 0.31      | 845.5    | 0.035      | 4       | 0.95       | 0.012      | 0.11      | 0.049   | 69       | 1.4      | 0.07     |
| 11TB0897A | 65.2     | 0.88     | 0.32     | 0.14     | 36      | 0.81       | 0.075      | 12.4     | 16.4     | 0.31      | 845.5    | 0.035      | 4       | 0.95       | 0.012      | 0.11      | 0.049   | 69       | 1.4      | 0.07     |
| 11TB0898A | 27.2     | 0.18     | 0.38     | 0.17     | 39      | 0.25       | 0.081      | 48       | 25       | 0.28      | 269.1    | 0.048      | 2       | 1.89       | 0.009      | 0.08      | 0.2     | 108      | 4        | 0.08     |
| 11TB0898A | 27.2     | 0.18     | 0.38     | 0.17     | 39      | 0.25       | 0.081      | 48       | 25       | 0.28      | 269.1    | 0.048      | 2       | 1.89       | 0.009      | 0.08      | 0.2     | 108      | 4        | 0.08     |
| 11TB0899A | 19       | 0.19     | 0.24     | 0.08     | 16      | 0.13       | 0.074      | 10.8     | 8.8      | 0.1       | 170.5    | 0.019      | 2       | 0.51       | 0.016      | 0.07      | 0.049   | 141      | 0.8      | 0.1      |
| 11TB0899A | 19       | 0.19     | 0.24     | 0.08     | 16      | 0.13       | 0.074      | 10.8     | 8.8      | 0.1       | 170.5    | 0.019      | 2       | 0.51       | 0.016      | 0.07      | 0.049   | 141      | 0.8      | 0.1      |
| 11TB0900A | 23.3     | 0.22     | 0.14     | 0.08     | 11      | 0.12       | 0.075      | 7.9      | 7.5      | 0.05      | 207.7    | 0.009      | 1       | 0.49       | 0.014      | 0.05      | 0.049   | 78       | 0.3      | 0.03     |
| 11TB0900A | 23.3     | 0.22     | 0.14     | 0.08     | 11      | 0.12       | 0.075      | 7.9      | 7.5      | 0.05      | 207.7    | 0.009      | 1       | 0.49       | 0.014      | 0.05      | 0.049   | 78       | 0.3      | 0.03     |
| 11TB0902A | 15.2     | 0.56     | 0.55     | 0.1      | 17      | 0.06       | 0.055      | 4.6      | 9.6      | 0.06      | 192      | 0.005      | 2       | 0.46       | 0.024      | 0.04      | 0.049   | 69       | 0.2      | 0.04     |
| 11TB0902A | 15.2     | 0.56     | 0.55     | 0.1      | 17      | 0.06       | 0.055      | 4.6      | 9.6      | 0.06      | 192      | 0.005      | 2       | 0.46       | 0.024      | 0.04      | 0.049   | 69       | 0.2      | 0.04     |
| 11TB0903A | 16.6     | 0.45     | 0.22     | 0.12     | 23      | 0.09       | 0.05       | 4.3      | 10.1     | 0.06      | 240.4    | 0.005      | 1       | 0.49       | 0.012      | 0.04      | 0.049   | 52       | 0.049    | 0.04     |
| 11TB0903A | 16.6     | 0.45     | 0.22     | 0.12     | 23      | 0.09       | 0.05       | 4.3      | 10.1     | 0.06      | 240.4    | 0.005      | 1       | 0.49       | 0.012      | 0.04      | 0.049   | 52       | 0.049    | 0.04     |
| 11TB0903A | 16.6     | 0.45     | 0.22     | 0.12     | 23      | 0.09       | 0.05       | 4.3      | 10.1     | 0.06      | 240.4    | 0.005      | 1       | 0.49       | 0.012      | 0.04      | 0.049   | 52       | 0.049    | 0.04     |
| 11TB0903A | 16.6     | 0.45     | 0.22     | 0.12     | 23      | 0.09       | 0.05       | 4.3      | 10.1     | 0.06      | 240.4    | 0.005      | 1       | 0.49       | 0.012      | 0.04      | 0.049   | 52       | 0.049    | 0.04     |
| 11AN0119A | 88.5     | 0.33     | 0.74     | 0.07     | 24      | 1.12       | 0.106      | 73.6     | 11.4     | 0.27      | 811.5    | 0.012      | 3       | 0.97       | 0.016      | 0.04      | 0.049   | 153      | 6.3      | 0.04     |
| 11AN0120A | 29.7     | 0.2      | 0.2      | 0.09     | 38      | 0.3        | 0.061      | 7.6      | 13.9     | 0.23      | 146.8    | 0.017      | 0.49    | 1.12       | 0.012      | 0.04      | 0.049   | 68       | 0.9      | 0.03     |
| 11AN0122A | 30       | 0.67     | 0.26     | 0.11     | 61      | 0.38       | 0.062      | 5.4      | 12.3     | 0.35      | 265.1    | 0.03       | 0.49    | 1.29       | 0.014      | 0.04      | 0.049   | 56       | 2.5      | 0.0099   |
| 11AN0123A | 35.1     | 0.42     | 0.27     | 0.17     | 43      | 0.29       | 0.066      | 6.1      | 17.1     | 0.22      | 168.1    | 0.044      | 0.49    | 1.45       | 0.014      | 0.06      | 0.1     | 86       | 1.7      | 0.05     |
| 11AN0124A | 36.5     | 0.24     | 0.16     | 0.12     | 23      | 0.19       | 0.067      | 6.8      | 11.5     | 0.12      | 149.8    | 0.024      | 0.49    | 0.82       | 0.014      | 0.04      | 0.049   | 72       | 1        | 0.04     |
| 11AN0125A | 39.6     | 0.27     | 0.21     | 0.11     | 39      | 0.18       | 0.055      | 5.7      | 11.4     | 0.16      | 118.6    | 0.034      | 0.49    | 0.8        | 0.014      | 0.04      | 0.049   | 65       | 0.9      | 0.04     |
| 11AN0126A | 108.4    | 0.44     | 0.28     | 0.07     | 30      | 1.99       | 0.094      | 11.5     | 13       | 0.45      | 380.2    | 0.035      | 4       | 0.99       | 0.02       | 0.04      | 0.049   | 95       | 2.4      | 0.04     |
| 11AN0127A | 92.6     | 0.97     | 0.13     | 0.06     | 24      | 1.19       | 0.058      | 3        | 8        | 0.27      | 246.8    | 0.027      | 2       | 0.51       | 0.013      | 0.08      | 0.049   | 109      | 0.9      | 0.03     |
| 11AN0128A | 58.9     | 0.57     | 0.23     | 0.12     | 37      | 0.44       | 0.062      | 9.5      | 13.4     | 0.27      | 385.3    | 0.036      | 1       | 1.03       | 0.013      | 0.06      | 0.049   | 94       | 1.3      | 0.04     |
| 11AN0129A | 103.3    | 0.51     | 0.23     | 0.13     | 53      | 0.85       | 0.07       | 8        | 21.5     | 0.46      | 221.1    | 0.071      | 2       | 1.3        | 0.017      | 0.12      | 0.1     | 101      | 2.7      | 0.07     |
| 11AN0130A | 86.9     | 0.14     | 0.36     | 0.14     | 81      | 0.45       | 0.074      | 8.4      | 27.5     | 0.64      | 249.7    | 0.119      | 1       | 2.29       | 0.016      | 0.08      | 0.1     | 31       | 3.2      | 0.06     |
| 11AN0131A | 51       | 0.32     | 0.41     | 0.15     | 50      | 0.37       | 0.07       | 7.1      | 22.1     | 0.38      | 475.6    | 0.043      | 0.49    | 1.41       | 0.012      | 0.08      | 0.049   | 61       | 1.6      | 0.06     |
| 11AN0132A | 104.4    | 0.31     | 0.35     | 0.13     | 42      | 0.88       | 0.076      | 4.9      | 17.4     | 0.34      | 533.3    | 0.04       | 1       | 1.07       | 0.012      | 0.09      | 0.049   | 82       | 1.2      | 0.07     |
| 11AN0133A | 166.5    | 0.67     | 0.28     | 0.11     | 34      | 1.46       | 0.089      | 4.7      | 17       | 0.35      | 575.7    | 0.036      | 2       | 0.88       | 0.013      | 0.1       | 0.1     | 87       | 1.1      | 0.05     |
| 11AN0134A | 103      | 0.76     | 0.33     | 0.14     | 38      | 0.93       | 0.095      | 4.7      | 15.8     | 0.32      | 713.6    | 0.047      | 1       | 0.95       | 0.015      | 0.09      | 0.049   | 89       | 1.3      | 0.07     |
| 11AN0135A | 33.8     | 0.22     | 0.16     | 0.15     | 20      | 0.19       | 0.062      | 6.6      | 9.9      | 0.12      | 203.7    | 0.033      | 1       | 0.62       | 0.015      | 0.06      | 0.049   | 58       | 1        | 0.06     |
| 11AN0136A | 59.7     | 0.5      | 0.34     | 0.16     | 41      | 0.26       | 0.072      | 21.6     | 18.8     | 0.25      | 299.8    | 0.038      | 0.49    | 1.49       | 0.017      | 0.07      | 0.049   | 72       | 2        | 0.06     |
| 11AN0137A | 22.6     | 0.33     | 0.19     | 0.18     | 34      | 0.14       | 0.056      | 8.3      | 15.3     | 0.19      | 187      | 0.031      | 0.49    | 0.96       | 0.011      | 0.04      | 0.049   | 43       | 0.7      | 0.07     |
| 11AN0138A | 17.7     | 0.12     | 0.23     | 0.18     | 36      | 0.12       | 0.026      | 9.9      | 14       | 0.17      | 191.8    | 0.044      | 0.49    | 0.8        | 0.011      | 0.05      | 0.049   | 37       | 1.6      | 0.09     |
| 11AN0139A | 36       | 0.24     | 0.23     | 0.16     | 32      | 0.15       | 0.047      | 6.4      | 12.3     | 0.12      | 122.9    | 0.03       | 0.49    | 0.65       | 0.01       | 0.05      | 0.049   | 43       | 0.8      | 0.04     |
| 11AN0140A | 17       | 0.42     | 0.24     | 0.15     | 34      | 0.11       | 0.028      | 8.2      | 13.6     | 0.1       | 154      | 0.048      | 0.49    | 0.64       | 0.013      | 0.03      | 0.049   | 32       | 1.3      | 0.05     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0142A | 23.7     | 0.89     | 0.36     | 0.2      | 50      | 0.17       | 0.066      | 7.5      | 18       | 0.2       | 440      | 0.051      | 0.49    | 1.08       | 0.015      | 0.04      | 0.049   | 53       | 1.6      | 0.09     |
| 11AN0143A | 13.9     | 0.18     | 0.42     | 0.27     | 45      | 0.09       | 0.055      | 7        | 14.8     | 0.15      | 107.2    | 0.041      | 2       | 0.73       | 0.007      | 0.03      | 0.049   | 59       | 1        | 0.09     |
| 11CB0810A | 33.9     | 0.29     | 0.24     | 0.07     | 12      | 0.27       | 0.097      | 5.4      | 8.7      | 0.06      | 209.9    | 0.007      | 2       | 0.59       | 0.02       | 0.05      | 0.049   | 120      | 0.3      | 0.03     |
| 11CB0811A | 59.3     | 0.29     | 0.28     | 0.08     | 13      | 0.74       | 0.108      | 8        | 10.2     | 0.09      | 198.8    | 0.011      | 2       | 0.8        | 0.021      | 0.03      | 0.049   | 154      | 0.6      | 0.03     |
| 11CB0812A | 41.4     | 0.38     | 0.17     | 0.08     | 14      | 0.35       | 0.11       | 7.1      | 11.6     | 0.08      | 195.3    | 0.006      | 1       | 0.66       | 0.018      | 0.03      | 0.049   | 104      | 0.4      | 0.03     |
| 11CB0813A | 58.9     | 0.17     | 0.23     | 0.11     | 36      | 0.58       | 0.082      | 11.8     | 16.7     | 0.34      | 209.6    | 0.033      | 2       | 1.39       | 0.015      | 0.04      | 0.049   | 112      | 2.2      | 0.05     |
| 11CB0814A | 89.9     | 0.25     | 0.39     | 0.06     | 15      | 1.1        | 0.084      | 9.7      | 11.1     | 0.17      | 205.9    | 0.024      | 4       | 0.63       | 0.018      | 0.05      | 0.049   | 131      | 1.9      | 0.06     |
| 11CB0815A | 87.5     | 0.22     | 0.37     | 0.06     | 18      | 1.08       | 0.079      | 10.8     | 11.5     | 0.21      | 217.4    | 0.021      | 4       | 0.72       | 0.014      | 0.05      | 0.049   | 98       | 1.7      | 0.05     |
| 11CB0816A | 126.8    | 0.55     | 0.22     | 0.04     | 8       | 3.3        | 0.097      | 5.6      | 7.6      | 0.19      | 1477.5   | 0.01       | 6       | 0.36       | 0.023      | 0.03      | 0.049   | 114      | 1.3      | 0.03     |
| 11CB0817A | 81       | 0.77     | 0.24     | 0.13     | 32      | 1.02       | 0.065      | 4.3      | 12.6     | 0.21      | 542.4    | 0.042      | 2       | 0.61       | 0.013      | 0.07      | 0.049   | 117      | 1        | 0.08     |
| 11CB0818A | 69.8     | 0.5      | 0.21     | 0.08     | 26      | 0.8        | 0.09       | 2.8      | 13       | 0.19      | 356.4    | 0.035      | 2       | 0.57       | 0.014      | 0.09      | 0.049   | 137      | 0.9      | 0.07     |
| 11CB0819A | 80.2     | 0.69     | 0.31     | 0.17     | 42      | 0.69       | 0.055      | 5.3      | 14.6     | 0.2       | 418      | 0.042      | 1       | 0.77       | 0.014      | 0.06      | 0.049   | 80       | 1.2      | 0.06     |
| 11CB0820A | 95.1     | 0.69     | 0.28     | 0.11     | 32      | 0.94       | 0.094      | 3.7      | 15.7     | 0.28      | 599.7    | 0.036      | 2       | 0.86       | 0.014      | 0.09      | 0.1     | 159      | 1.1      | 0.09     |
| 11CB0822A | 61.2     | 0.81     | 0.26     | 0.08     | 20      | 0.54       | 0.07       | 4.4      | 10.8     | 0.12      | 379.9    | 0.024      | 0.49    | 0.45       | 0.014      | 0.06      | 0.049   | 114      | 0.9      | 0.04     |
| 11CB0823A | 92.6     | 0.73     | 0.27     | 0.12     | 38      | 0.83       | 0.095      | 8.4      | 18.4     | 0.31      | 474.8    | 0.044      | 2       | 0.91       | 0.012      | 0.15      | 0.2     | 126      | 1.7      | 0.07     |
| 11CB0824A | 73.7     | 0.7      | 0.24     | 0.11     | 42      | 0.84       | 0.088      | 5        | 16       | 0.35      | 446.7    | 0.066      | 3       | 0.86       | 0.015      | 0.1       | 0.1     | 93       | 1.7      | 0.08     |
| 11CB0825A | 56.4     | 0.49     | 0.19     | 0.1      | 22      | 0.38       | 0.082      | 4.3      | 11.9     | 0.12      | 367.5    | 0.022      | 1       | 0.42       | 0.018      | 0.08      | 0.049   | 114      | 0.5      | 0.07     |
| 11CB0826A | 61.1     | 0.43     | 0.35     | 0.08     | 28      | 0.6        | 0.158      | 16.3     | 14.4     | 0.28      | 453      | 0.034      | 2       | 0.83       | 0.015      | 0.12      | 0.049   | 169      | 2.7      | 0.07     |
| 11CB0827A | 85.3     | 0.49     | 0.59     | 0.09     | 27      | 0.75       | 0.173      | 16.8     | 14.3     | 0.28      | 323.6    | 0.032      | 2       | 0.91       | 0.015      | 0.11      | 0.049   | 195      | 2.9      | 0.04     |
| 11CB0828A | 185.1    | 0.35     | 0.65     | 0.07     | 32      | 2.12       | 0.107      | 37.9     | 14.9     | 0.3       | 259.7    | 0.03       | 3       | 1.17       | 0.017      | 0.05      | 0.1     | 124      | 4.5      | 0.05     |
| 11CB0829A | 190.2    | 0.4      | 0.8      | 0.11     | 49      | 2.18       | 0.118      | 46.6     | 20.2     | 0.37      | 307.7    | 0.039      | 3       | 1.69       | 0.015      | 0.06      | 0.1     | 161      | 6.2      | 0.06     |
| 11CB0830A | 184.5    | 0.37     | 0.79     | 0.11     | 49      | 2.09       | 0.115      | 44       | 22.8     | 0.37      | 291.8    | 0.044      | 3       | 1.77       | 0.012      | 0.06      | 0.2     | 165      | 6.4      | 0.06     |
| 11CB0831A | 75.9     | 0.45     | 0.3      | 0.13     | 41      | 0.77       | 0.095      | 4.1      | 14.7     | 0.32      | 365.4    | 0.059      | 2       | 0.87       | 0.016      | 0.1       | 0.049   | 94       | 1.7      | 0.07     |
| 11CB0832A | 131.2    | 0.46     | 0.52     | 0.13     | 37      | 1.27       | 0.109      | 23.7     | 16       | 0.25      | 369.9    | 0.037      | 3       | 1.04       | 0.015      | 0.08      | 0.1     | 143      | 3        | 0.07     |
| 11DS0828A | 32.4     | 0.77     | 0.16     | 0.08     | 12      | 0.27       | 0.091      | 36.2     | 11.7     | 0.07      | 399.6    | 0.01       | 2       | 0.7        | 0.012      | 0.06      | 0.049   | 90       | 0.6      | 0.03     |
| 11DS0828A | 32.4     | 0.77     | 0.16     | 0.08     | 12      | 0.27       | 0.091      | 36.2     | 11.7     | 0.07      | 399.6    | 0.01       | 2       | 0.7        | 0.012      | 0.06      | 0.049   | 90       | 0.6      | 0.03     |
| 11DS0829A | 33.2     | 0.37     | 0.22     | 0.1      | 14      | 0.34       | 0.097      | 14.5     | 9.9      | 0.09      | 363.4    | 0.015      | 3       | 0.6        | 0.013      | 0.06      | 0.049   | 128      | 1        | 0.05     |
| 11DS0829A | 33.2     | 0.37     | 0.22     | 0.1      | 14      | 0.34       | 0.097      | 14.5     | 9.9      | 0.09      | 363.4    | 0.015      | 3       | 0.6        | 0.013      | 0.06      | 0.049   | 128      | 1        | 0.05     |
| 11DS0830A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0830A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0831A | 93.4     | 0.17     | 0.63     | 0.07     | 12      | 2.62       | 0.096      | 17       | 8        | 0.19      | 250.5    | 0.01       | 4       | 0.62       | 0.017      | 0.02      | 0.049   | 110      | 1        | 0.05     |
| 11DS0831A | 93.4     | 0.17     | 0.63     | 0.07     | 12      | 2.62       | 0.096      | 17       | 8        | 0.19      | 250.5    | 0.01       | 4       | 0.62       | 0.017      | 0.02      | 0.049   | 110      | 1        | 0.05     |
| 11DS0832A | 60.4     | 0.39     | 0.21     | 0.07     | 24      | 1.47       | 0.087      | 2.5      | 8.2      | 0.28      | 115.9    | 0.029      | 3       | 0.67       | 0.016      | 0.06      | 0.1     | 157      | 1.4      | 0.05     |
| 11DS0832A | 60.4     | 0.39     | 0.21     | 0.07     | 24      | 1.47       | 0.087      | 2.5      | 8.2      | 0.28      | 115.9    | 0.029      | 3       | 0.67       | 0.016      | 0.06      | 0.1     | 157      | 1.4      | 0.05     |
| 11DS0833A | 35.4     | 0.38     | 0.24     | 0.14     | 22      | 0.25       | 0.086      | 5.1      | 11.4     | 0.1       | 203.1    | 0.006      | 1       | 0.76       | 0.011      | 0.04      | 0.049   | 128      | 0.3      | 0.03     |
| 11DS0833A | 35.4     | 0.38     | 0.24     | 0.14     | 22      | 0.25       | 0.086      | 5.1      | 11.4     | 0.1       | 203.1    | 0.006      | 1       | 0.76       | 0.011      | 0.04      | 0.049   | 128      | 0.3      | 0.03     |
| 11DS0834A | 156      | 0.38     | 0.94     | 0.07     | 15      | 2.77       | 0.146      | 12       | 9.6      | 0.29      | 330.9    | 0.009      | 5       | 0.83       | 0.016      | 0.02      | 0.049   | 168      | 2        | 0.04     |
| 11DS0834A | 156      | 0.38     | 0.94     | 0.07     | 15      | 2.77       | 0.146      | 12       | 9.6      | 0.29      | 330.9    | 0.009      | 5       | 0.83       | 0.016      | 0.02      | 0.049   | 168      | 2        | 0.04     |
| 11DS0835A | 78.7     | 0.76     | 0.16     | 0.12     | 12      | 1.5        | 0.066      | 4.8      | 9        | 0.19      | 260.5    | 0.007      | 1       | 0.44       | 0.016      | 0.04      | 0.049   | 107      | 0.3      | 0.04     |
| 11DS0835A | 78.7     | 0.76     | 0.16     | 0.12     | 12      | 1.5        | 0.066      | 4.8      | 9        | 0.19      | 260.5    | 0.007      | 1       | 0.44       | 0.016      | 0.04      | 0.049   | 107      | 0.3      | 0.04     |
| 11DS0836A | 96.4     | 0.65     | 0.25     | 0.11     | 30      | 1.21       | 0.091      | 3.4      | 13.8     | 0.28      | 486      | 0.039      | 3       | 0.78       | 0.009      | 0.1       | 0.049   | 115      | 1        | 0.06     |
| 11DS0836A | 96.4     | 0.65     | 0.25     | 0.11     | 30      | 1.21       | 0.091      | 3.4      | 13.8     | 0.28      | 486      | 0.039      | 3       | 0.78       | 0.009      | 0.1       | 0.049   | 115      | 1        | 0.06     |
| 11DS0837A | 291.6    | 0.4      | 0.73     | 0.08     | 21      | 2.17       | 0.107      | 19.8     | 11.3     | 0.23      | 388.8    | 0.015      | 3       | 1.02       | 0.009      | 0.06      | 0.049   | 264      | 1.7      | 0.04     |
| 11DS0837A | 291.6    | 0.4      | 0.73     | 0.08     | 21      | 2.17       | 0.107      | 19.8     | 11.3     | 0.23      | 388.8    | 0.015      | 3       | 1.02       | 0.009      | 0.06      | 0.049   | 264      | 1.7      | 0.04     |
| 11DS0838A | 161.1    | 0.61     | 0.29     | 0.1      | 36      | 1.48       | 0.102      | 3.6      | 17       | 0.42      | 617.1    | 0.042      | 5       | 1.18       | 0.01       | 0.12      | 0.1     | 75       | 1.3      | 0.07     |
| 11DS0838A | 161.1    | 0.61     | 0.29     | 0.1      | 36      | 1.48       | 0.102      | 3.6      | 17       | 0.42      | 617.1    | 0.042      | 5       | 1.18       | 0.01       | 0.12      | 0.1     | 75       | 1.3      | 0.07     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS0839A | 170.1    | 0.5      | 0.3      | 0.1      | 32      | 1.51       | 0.088      | 3.5      | 16.3     | 0.4       | 768.7    | 0.036      | 4       | 0.86       | 0.01       | 0.14      | 0.1     | 90       | 1.1      | 0.07     |
| 11DS0839A | 170.1    | 0.5      | 0.3      | 0.1      | 32      | 1.51       | 0.088      | 3.5      | 16.3     | 0.4       | 768.7    | 0.036      | 4       | 0.86       | 0.01       | 0.14      | 0.1     | 90       | 1.1      | 0.07     |
| 11DS0840A | 175.9    | 0.79     | 0.26     | 0.11     | 34      | 1.45       | 0.106      | 3        | 12.2     | 0.48      | 765.4    | 0.049      | 4       | 1.02       | 0.014      | 0.11      | 0.049   | 142      | 1.1      | 0.09     |
| 11DS0840A | 175.9    | 0.79     | 0.26     | 0.11     | 34      | 1.45       | 0.106      | 3        | 12.2     | 0.48      | 765.4    | 0.049      | 4       | 1.02       | 0.014      | 0.11      | 0.049   | 142      | 1.1      | 0.09     |
| 11DS0842A | 58.8     | 0.4      | 0.18     | 0.09     | 17      | 0.49       | 0.069      | 3        | 8.8      | 0.11      | 326.9    | 0.017      | 1       | 0.36       | 0.013      | 0.06      | 0.049   | 115      | 0.6      | 0.04     |
| 11DS0842A | 58.8     | 0.4      | 0.18     | 0.09     | 17      | 0.49       | 0.069      | 3        | 8.8      | 0.11      | 326.9    | 0.017      | 1       | 0.36       | 0.013      | 0.06      | 0.049   | 115      | 0.6      | 0.04     |
| 11DS0843A | 95.9     | 0.53     | 0.23     | 0.12     | 23      | 1.06       | 0.106      | 4.9      | 14.5     | 0.28      | 493.6    | 0.031      | 3       | 0.61       | 0.013      | 0.2       | 0.049   | 90       | 1        | 0.07     |
| 11DS0843A | 95.9     | 0.53     | 0.23     | 0.12     | 23      | 1.06       | 0.106      | 4.9      | 14.5     | 0.28      | 493.6    | 0.031      | 3       | 0.61       | 0.013      | 0.2       | 0.049   | 90       | 1        | 0.07     |
| 11DS0844A | 106.7    | 1.36     | 0.22     | 0.11     | 13      | 1.11       | 0.085      | 3.2      | 8.8      | 0.16      | 754.6    | 0.014      | 3       | 0.38       | 0.015      | 0.1       | 0.049   | 151      | 0.4      | 0.09     |
| 11DS0844A | 106.7    | 1.36     | 0.22     | 0.11     | 13      | 1.11       | 0.085      | 3.2      | 8.8      | 0.16      | 754.6    | 0.014      | 3       | 0.38       | 0.015      | 0.1       | 0.049   | 151      | 0.4      | 0.09     |
| 11DS0845A | 88       | 1.28     | 0.19     | 0.12     | 21      | 1          | 0.089      | 4.7      | 9.9      | 0.2       | 545.4    | 0.024      | 2       | 0.57       | 0.015      | 0.09      | 0.049   | 155      | 0.7      | 0.11     |
| 11DS0845A | 88       | 1.28     | 0.19     | 0.12     | 21      | 1          | 0.089      | 4.7      | 9.9      | 0.2       | 545.4    | 0.024      | 2       | 0.57       | 0.015      | 0.09      | 0.049   | 155      | 0.7      | 0.11     |
| 11DS0846A | 84.1     | 0.41     | 0.24     | 0.09     | 27      | 0.91       | 0.109      | 10.3     | 11.2     | 0.3       | 380.4    | 0.036      | 2       | 0.9        | 0.011      | 0.11      | 0.1     | 191      | 1.8      | 0.06     |
| 11DS0846A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0846A | 84.1     | 0.41     | 0.24     | 0.09     | 27      | 0.91       | 0.109      | 10.3     | 11.2     | 0.3       | 380.4    | 0.036      | 2       | 0.9        | 0.011      | 0.11      | 0.1     | 191      | 1.8      | 0.06     |
| 11DS0846A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0847A | 107.9    | 0.28     | 0.27     | 0.09     | 25      | 0.9        | 0.104      | 15.1     | 12.1     | 0.26      | 222.6    | 0.028      | 2       | 0.84       | 0.011      | 0.11      | 0.1     | 165      | 1.7      | 0.05     |
| 11DS0847A | 107.9    | 0.28     | 0.27     | 0.09     | 25      | 0.9        | 0.104      | 15.1     | 12.1     | 0.26      | 222.6    | 0.028      | 2       | 0.84       | 0.011      | 0.11      | 0.1     | 165      | 1.7      | 0.05     |
| 11DS0848A | 61.1     | 0.59     | 0.25     | 0.1      | 25      | 0.32       | 0.065      | 2.9      | 10       | 0.13      | 268.8    | 0.02       | 2       | 0.54       | 0.013      | 0.06      | 0.049   | 98       | 0.6      | 0.04     |
| 11DS0848A | 61.1     | 0.59     | 0.25     | 0.1      | 25      | 0.32       | 0.065      | 2.9      | 10       | 0.13      | 268.8    | 0.02       | 2       | 0.54       | 0.013      | 0.06      | 0.049   | 98       | 0.6      | 0.04     |
| 11DS0849A | 139.6    | 0.62     | 0.26     | 0.13     | 26      | 1.37       | 0.081      | 3.9      | 12.6     | 0.24      | 466.2    | 0.037      | 3       | 0.66       | 0.013      | 0.16      | 0.049   | 99       | 1        | 0.07     |
| 11DS0849A | 139.6    | 0.62     | 0.26     | 0.13     | 26      | 1.37       | 0.081      | 3.9      | 12.6     | 0.24      | 466.2    | 0.037      | 3       | 0.66       | 0.013      | 0.16      | 0.049   | 99       | 1        | 0.07     |
| 11DS0850A | 173.8    | 0.96     | 0.27     | 0.1      | 17      | 1.34       | 0.122      | 2.6      | 9.3      | 0.26      | 663.7    | 0.025      | 3       | 0.52       | 0.014      | 0.11      | 0.049   | 161      | 0.7      | 0.08     |
| 11DS0850A | 173.8    | 0.96     | 0.27     | 0.1      | 17      | 1.34       | 0.122      | 2.6      | 9.3      | 0.26      | 663.7    | 0.025      | 3       | 0.52       | 0.014      | 0.11      | 0.049   | 161      | 0.7      | 0.08     |
| 11DS0851A | 170.5    | 0.64     | 0.28     | 0.15     | 25      | 1.58       | 0.122      | 4.3      | 12.9     | 0.28      | 728.2    | 0.027      | 4       | 0.73       | 0.016      | 0.11      | 0.049   | 150      | 0.9      | 0.11     |
| 11DS0851A | 170.5    | 0.64     | 0.28     | 0.15     | 25      | 1.58       | 0.122      | 4.3      | 12.9     | 0.28      | 728.2    | 0.027      | 4       | 0.73       | 0.016      | 0.11      | 0.049   | 150      | 0.9      | 0.11     |
| 11TB0850A | 26.8     | 0.31     | 0.14     | 0.09     | 16      | 0.16       | 0.074      | 3.9      | 9.7      | 0.07      | 132.7    | 0.01       | 0.49    | 0.6        | 0.019      | 0.03      | 0.049   | 97       | 0.4      | 0.04     |
| 11TB0850A | 26.8     | 0.31     | 0.14     | 0.09     | 16      | 0.16       | 0.074      | 3.9      | 9.7      | 0.07      | 132.7    | 0.01       | 0.49    | 0.6        | 0.019      | 0.03      | 0.049   | 97       | 0.4      | 0.04     |
| 11TB0851A | 42.4     | 0.22     | 0.19     | 0.19     | 17      | 0.34       | 0.103      | 7.4      | 12.5     | 0.12      | 166.3    | 0.005      | 1       | 0.95       | 0.017      | 0.03      | 0.049   | 77       | 0.4      | 0.03     |
| 11TB0851A | 42.4     | 0.22     | 0.19     | 0.19     | 17      | 0.34       | 0.103      | 7.4      | 12.5     | 0.12      | 166.3    | 0.005      | 1       | 0.95       | 0.017      | 0.03      | 0.049   | 77       | 0.4      | 0.03     |
| 11TB0852A | 69.2     | 0.18     | 0.27     | 0.11     | 29      | 0.56       | 0.089      | 13.5     | 16.3     | 0.26      | 217.8    | 0.031      | 2       | 1.43       | 0.019      | 0.04      | 0.049   | 121      | 1.8      | 0.05     |
| 11TB0852A | 69.2     | 0.18     | 0.27     | 0.11     | 29      | 0.56       | 0.089      | 13.5     | 16.3     | 0.26      | 217.8    | 0.031      | 2       | 1.43       | 0.019      | 0.04      | 0.049   | 121      | 1.8      | 0.05     |
| 11TB0853A | 37       | 0.2      | 0.19     | 0.09     | 18      | 0.3        | 0.091      | 6.9      | 11.1     | 0.11      | 139.9    | 0.008      | 1       | 1.05       | 0.014      | 0.03      | 0.049   | 98       | 0.5      | 0.04     |
| 11TB0853A | 37       | 0.2      | 0.19     | 0.09     | 18      | 0.3        | 0.091      | 6.9      | 11.1     | 0.11      | 139.9    | 0.008      | 1       | 1.05       | 0.014      | 0.03      | 0.049   | 98       | 0.5      | 0.04     |
| 11TB0854A | 47       | 0.35     | 0.16     | 0.08     | 17      | 0.47       | 0.077      | 7.3      | 10.5     | 0.13      | 175      | 0.011      | 1       | 0.93       | 0.017      | 0.04      | 0.049   | 85       | 0.5      | 0.04     |
| 11TB0854A | 47       | 0.35     | 0.16     | 0.08     | 17      | 0.47       | 0.077      | 7.3      | 10.5     | 0.13      | 175      | 0.011      | 1       | 0.93       | 0.017      | 0.04      | 0.049   | 85       | 0.5      | 0.04     |
| 11TB0855A | 44       | 0.26     | 0.14     | 0.08     | 13      | 0.44       | 0.101      | 5.6      | 12.5     | 0.1       | 149.5    | 0.008      | 0.49    | 0.76       | 0.017      | 0.03      | 0.049   | 85       | 0.4      | 0.03     |
| 11TB0855A | 44       | 0.26     | 0.14     | 0.08     | 13      | 0.44       | 0.101      | 5.6      | 12.5     | 0.1       | 149.5    | 0.008      | 0.49    | 0.76       | 0.017      | 0.03      | 0.049   | 85       | 0.4      | 0.03     |
| 11TB0856A | 81.5     | 0.39     | 0.45     | 0.09     | 39      | 1.26       | 0.1        | 33.2     | 19.2     | 0.46      | 357.5    | 0.043      | 3       | 1.32       | 0.02       | 0.06      | 0.1     | 99       | 3.6      | 0.07     |
| 11TB0856A | 81.5     | 0.39     | 0.45     | 0.09     | 39      | 1.26       | 0.1        | 33.2     | 19.2     | 0.46      | 357.5    | 0.043      | 3       | 1.32       | 0.02       | 0.06      | 0.1     | 99       | 3.6      | 0.07     |
| 11TB0857A | 142.2    | 0.22     | 0.5      | 0.04     | 18      | 3.27       | 0.082      | 4.8      | 9.6      | 0.32      | 425.8    | 0.015      | 5       | 0.67       | 0.023      | 0.03      | 0.049   | 92       | 1.8      | 0.03     |
| 11TB0857A | 142.2    | 0.22     | 0.5      | 0.04     | 18      | 3.27       | 0.082      | 4.8      | 9.6      | 0.32      | 425.8    | 0.015      | 5       | 0.67       | 0.023      | 0.03      | 0.049   | 92       | 1.8      | 0.03     |
| 11TB0858A | 167.3    | 0.15     | 0.37     | 0.03     | 14      | 3.05       | 0.075      | 3.6      | 8.1      | 0.35      | 193.6    | 0.011      | 6       | 0.46       | 0.02       | 0.02      | 0.049   | 64       | 1.2      | 0.04     |
| 11TB0858A | 167.3    | 0.15     | 0.37     | 0.03     | 14      | 3.05       | 0.075      | 3.6      | 8.1      | 0.35      | 193.6    | 0.011      | 6       | 0.46       | 0.02       | 0.02      | 0.049   | 64       | 1.2      | 0.04     |
| 11TB0859A | 155.4    | 0.17     | 0.3      | 0.08     | 24      | 2.52       | 0.05       | 4.4      | 10.9     | 0.44      | 263.8    | 0.024      | 5       | 1.01       | 0.016      | 0.04      | 0.049   | 96       | 2.4      | 0.04     |
| 11TB0859A | 155.4    | 0.17     | 0.3      | 0.08     | 24      | 2.52       | 0.05       | 4.4      | 10.9     | 0.44      | 263.8    | 0.024      | 5       | 1.01       | 0.016      | 0.04      | 0.049   | 96       | 2.4      | 0.04     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB0860A | 21       | 0.17     | 0.4      | 0.18     | 54      | 0.19       | 0.042      | 8.3      | 19.9     | 0.25      | 138.1    | 0.058      | 1       | 1.11       | 0.009      | 0.08      | 0.2     | 36       | 1.9      | 0.07     |
| 11TB0860A | 21       | 0.17     | 0.4      | 0.18     | 54      | 0.19       | 0.042      | 8.3      | 19.9     | 0.25      | 138.1    | 0.058      | 1       | 1.11       | 0.009      | 0.08      | 0.2     | 36       | 1.9      | 0.07     |
| 11TB0862A | 86.4     | 0.12     | 0.36     | 0.15     | 95      | 0.66       | 0.098      | 15.2     | 18.9     | 0.64      | 188.2    | 0.093      | 0.49    | 2.06       | 0.017      | 0.15      | 0.1     | 45       | 4.6      | 0.06     |
| 11TB0862A | 86.4     | 0.12     | 0.36     | 0.15     | 95      | 0.66       | 0.098      | 15.2     | 18.9     | 0.64      | 188.2    | 0.093      | 0.49    | 2.06       | 0.017      | 0.15      | 0.1     | 45       | 4.6      | 0.06     |
| 11TB0863A | 168      | 0.26     | 0.65     | 0.06     | 17      | 1.65       | 0.104      | 18.7     | 11.3     | 0.29      | 288.9    | 0.018      | 4       | 0.66       | 0.02       | 0.05      | 0.1     | 108      | 2        | 0.03     |
| 11TB0863A | 168      | 0.26     | 0.65     | 0.06     | 17      | 1.65       | 0.104      | 18.7     | 11.3     | 0.29      | 288.9    | 0.018      | 4       | 0.66       | 0.02       | 0.05      | 0.1     | 108      | 2        | 0.03     |
| 11TB0864A | 50.5     | 0.38     | 0.2      | 0.11     | 38      | 0.31       | 0.07       | 4.3      | 10.6     | 0.17      | 166.1    | 0.027      | 1       | 0.9        | 0.016      | 0.06      | 0.049   | 66       | 0.7      | 0.04     |
| 11TB0864A | 50.5     | 0.38     | 0.2      | 0.11     | 38      | 0.31       | 0.07       | 4.3      | 10.6     | 0.17      | 166.1    | 0.027      | 1       | 0.9        | 0.016      | 0.06      | 0.049   | 66       | 0.7      | 0.04     |
| 11TB0865A | 112.5    | 0.29     | 0.38     | 0.1      | 32      | 1.1        | 0.088      | 5.7      | 16.2     | 0.43      | 198.5    | 0.044      | 2       | 1.16       | 0.016      | 0.1       | 0.049   | 117      | 2.3      | 0.06     |
| 11TB0865A | 112.5    | 0.29     | 0.38     | 0.1      | 32      | 1.1        | 0.088      | 5.7      | 16.2     | 0.43      | 198.5    | 0.044      | 2       | 1.16       | 0.016      | 0.1       | 0.049   | 117      | 2.3      | 0.06     |
| 11TB0866A | 132.4    | 0.41     | 0.66     | 0.13     | 45      | 1.59       | 0.091      | 15.9     | 24.6     | 0.63      | 286.8    | 0.06       | 3       | 1.77       | 0.021      | 0.08      | 0.1     | 106      | 4.3      | 0.07     |
| 11TB0866A | 132.4    | 0.41     | 0.66     | 0.13     | 45      | 1.59       | 0.091      | 15.9     | 24.6     | 0.63      | 286.8    | 0.06       | 3       | 1.77       | 0.021      | 0.08      | 0.1     | 106      | 4.3      | 0.07     |
| 11TB0867A | 44.2     | 0.3      | 0.36     | 0.14     | 55      | 0.37       | 0.043      | 6.3      | 17.9     | 0.4       | 158.6    | 0.078      | 1       | 1.31       | 0.016      | 0.07      | 0.049   | 37       | 1.9      | 0.06     |
| 11TB0867A | 44.2     | 0.3      | 0.36     | 0.14     | 55      | 0.37       | 0.043      | 6.3      | 17.9     | 0.4       | 158.6    | 0.078      | 1       | 1.31       | 0.016      | 0.07      | 0.049   | 37       | 1.9      | 0.06     |
| 11TB0868A | 131.4    | 0.6      | 0.3      | 0.13     | 39      | 1.21       | 0.113      | 5        | 17.4     | 0.45      | 533.3    | 0.06       | 3       | 1.31       | 0.015      | 0.12      | 0.049   | 64       | 1.7      | 0.06     |
| 11TB0868A | 131.4    | 0.6      | 0.3      | 0.13     | 39      | 1.21       | 0.113      | 5        | 17.4     | 0.45      | 533.3    | 0.06       | 3       | 1.31       | 0.015      | 0.12      | 0.049   | 64       | 1.7      | 0.06     |
| 11TB0869A | 94.6     | 0.37     | 0.41     | 0.15     | 46      | 0.76       | 0.065      | 6.6      | 20.9     | 0.4       | 439.5    | 0.053      | 2       | 1.28       | 0.014      | 0.12      | 0.1     | 65       | 1.9      | 0.08     |
| 11TB0869A | 94.6     | 0.37     | 0.41     | 0.15     | 46      | 0.76       | 0.065      | 6.6      | 20.9     | 0.4       | 439.5    | 0.053      | 2       | 1.28       | 0.014      | 0.12      | 0.1     | 65       | 1.9      | 0.08     |
| 11TB0870A | 148.4    | 0.44     | 0.37     | 0.15     | 40      | 1.11       | 0.096      | 5.6      | 18.5     | 0.4       | 697.7    | 0.045      | 4       | 1.27       | 0.016      | 0.13      | 0.049   | 61       | 1.5      | 0.07     |
| 11TB0870A | 148.4    | 0.44     | 0.37     | 0.15     | 40      | 1.11       | 0.096      | 5.6      | 18.5     | 0.4       | 697.7    | 0.045      | 4       | 1.27       | 0.016      | 0.13      | 0.049   | 61       | 1.5      | 0.07     |
| 11TB0871A | 209.7    | 0.8      | 0.3      | 0.12     | 22      | 1.58       | 0.095      | 3.9      | 12.5     | 0.25      | 862.2    | 0.032      | 3       | 0.7        | 0.018      | 0.1       | 0.049   | 156      | 1.1      | 0.08     |
| 11TB0871A | 209.7    | 0.8      | 0.3      | 0.12     | 22      | 1.58       | 0.095      | 3.9      | 12.5     | 0.25      | 862.2    | 0.032      | 3       | 0.7        | 0.018      | 0.1       | 0.049   | 156      | 1.1      | 0.08     |
| 11TB0872A | 142.9    | 0.58     | 0.34     | 0.15     | 38      | 1.08       | 0.113      | 5.6      | 17.9     | 0.41      | 1066.9   | 0.053      | 3       | 1.18       | 0.019      | 0.14      | 0.1     | 102      | 1.5      | 0.09     |
| 11TB0872A | 142.9    | 0.58     | 0.34     | 0.15     | 38      | 1.08       | 0.113      | 5.6      | 17.9     | 0.41      | 1066.9   | 0.053      | 3       | 1.18       | 0.019      | 0.14      | 0.1     | 102      | 1.5      | 0.09     |
| 11AN0144A | 60.1     | 0.3      | 0.27     | 0.2      | 43      | 0.39       | 0.107      | 6        | 14.6     | 0.45      | 292.8    | 0.075      | 2       | 1.49       | 0.012      | 0.13      | 0.1     | 54       | 2        | 0.09     |
| 11AN0145A | 46.3     | 0.29     | 0.16     | 0.14     | 27      | 0.27       | 0.093      | 5.7      | 13       | 0.24      | 342.1    | 0.048      | 2       | 0.94       | 0.012      | 0.09      | 0.049   | 55       | 1.5      | 0.07     |
| 11AN0146A | 38.6     | 0.43     | 0.24     | 0.13     | 37      | 0.33       | 0.06       | 4.5      | 13.7     | 0.2       | 347.3    | 0.041      | 1       | 0.71       | 0.011      | 0.05      | 0.049   | 58       | 1.1      | 0.07     |
| 11AN0147A | 27.1     | 0.15     | 0.21     | 0.15     | 39      | 0.2        | 0.064      | 5.7      | 15       | 0.25      | 207.4    | 0.05       | 2       | 0.94       | 0.009      | 0.07      | 0.1     | 28       | 1.2      | 0.07     |
| 11AN0148A | 28.1     | 0.16     | 0.16     | 0.13     | 27      | 0.22       | 0.048      | 5.1      | 12.4     | 0.15      | 222      | 0.031      | 0.49    | 0.58       | 0.01       | 0.07      | 0.049   | 36       | 0.9      | 0.04     |
| 11AN0149A | 30.6     | 0.1      | 0.14     | 0.11     | 31      | 0.25       | 0.041      | 4.5      | 10.1     | 0.15      | 161.7    | 0.035      | 0.49    | 0.65       | 0.013      | 0.05      | 0.049   | 34       | 0.7      | 0.06     |
| 11AN0150A | 16.1     | 0.21     | 0.2      | 0.11     | 36      | 0.14       | 0.03       | 7.4      | 13.9     | 0.12      | 180.6    | 0.036      | 0.49    | 0.68       | 0.008      | 0.03      | 0.049   | 28       | 0.9      | 0.07     |
| 11AN0151A | 100.3    | 0.24     | 0.28     | 0.11     | 59      | 0.76       | 0.109      | 5        | 20.6     | 0.65      | 540.2    | 0.059      | 2       | 1.86       | 0.011      | 0.1       | 0.049   | 67       | 2.2      | 0.07     |
| 11AN0152A | 147      | 0.32     | 0.22     | 0.1      | 52      | 1.34       | 0.117      | 3.9      | 16       | 0.55      | 835.5    | 0.091      | 2       | 1.46       | 0.015      | 0.11      | 0.049   | 94       | 1.9      | 0.11     |
| 11AN0153A | 303.4    | 0.45     | 0.14     | 0.07     | 28      | 1.93       | 0.128      | 2.1      | 6.4      | 0.42      | 851.9    | 0.038      | 6       | 1          | 0.016      | 0.18      | 0.049   | 156      | 1.4      | 0.05     |
| 11AN0154A | 48.5     | 0.21     | 0.3      | 0.11     | 53      | 0.48       | 0.042      | 5.9      | 22.6     | 0.4       | 285.8    | 0.062      | 2       | 1.5        | 0.011      | 0.06      | 0.1     | 75       | 2.2      | 0.1      |
| 11AN0155A | 137      | 0.13     | 0.32     | 0.09     | 37      | 3.75       | 0.073      | 2.9      | 11.4     | 0.36      | 59.7     | 0.028      | 10      | 0.78       | 0.02       | 0.04      | 0.049   | 62       | 1.2      | 0.05     |
| 11AN0156A | 119.1    | 0.45     | 0.3      | 0.04     | 15      | 2.1        | 0.084      | 7.1      | 5.5      | 0.31      | 200.8    | 0.023      | 5       | 0.56       | 0.018      | 0.04      | 0.049   | 115      | 1.2      | 0.04     |
| 11AN0157A | 76.8     | 0.19     | 0.27     | 0.08     | 34      | 0.82       | 0.106      | 17.3     | 14.4     | 0.33      | 249.2    | 0.03       | 1       | 1.1        | 0.016      | 0.04      | 0.2     | 93       | 2.9      | 0.03     |
| 11AN0158A | 67.4     | 0.51     | 0.37     | 0.07     | 58      | 1.18       | 0.097      | 33.1     | 20.8     | 0.51      | 415.8    | 0.049      | 3       | 1.45       | 0.016      | 0.05      | 0.1     | 119      | 4.1      | 0.09     |
| 11AN0159A | 80.6     | 0.14     | 0.37     | 0.06     | 38      | 1.55       | 0.12       | 8.9      | 14       | 0.43      | 368.2    | 0.038      | 3       | 1.21       | 0.017      | 0.04      | 0.1     | 87       | 2.8      | 0.06     |
| 11AN0160A | 49.7     | 0.17     | 0.23     | 0.06     | 38      | 0.48       | 0.081      | 8.2      | 15.8     | 0.42      | 198.1    | 0.044      | 1       | 1.64       | 0.013      | 0.05      | 0.1     | 123      | 2.4      | 0.06     |
| 11AN0162A | 33.4     | 0.14     | 0.23     | 0.06     | 53      | 0.33       | 0.061      | 7.1      | 17.6     | 0.54      | 142.1    | 0.06       | 0.49    | 1.68       | 0.011      | 0.04      | 0.1     | 56       | 2.4      | 0.05     |
| 11AN0163A | 28.2     | 0.22     | 0.17     | 0.06     | 17      | 0.22       | 0.073      | 5.6      | 9.8      | 0.07      | 128.2    | 0.014      | 1       | 0.61       | 0.012      | 0.04      | 0.049   | 83       | 0.4      | 0.03     |
| 11AN0164A | 28.6     | 0.18     | 0.11     | 0.08     | 22      | 0.23       | 0.05       | 5        | 11.3     | 0.13      | 97.3     | 0.018      | 0.49    | 0.76       | 0.013      | 0.03      | 0.049   | 80       | 0.3      | 0.04     |
| 11AN0165A | 20.1     | 0.18     | 0.1      | 0.07     | 13      | 0.12       | 0.068      | 5.1      | 10       | 0.06      | 118.3    | 0.003      | 0.49    | 0.79       | 0.011      | 0.03      | 0.049   | 54       | 0.1      | 0.03     |
| 11AN0166A | 17.7     | 0.18     | 0.13     | 0.12     | 33      | 0.1        | 0.03       | 7.2      | 13.3     | 0.13      | 109.3    | 0.028      | 0.49    | 0.92       | 0.009      | 0.03      | 0.049   | 25       | 0.6      | 0.06     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0167A | 13.8     | 0.14     | 0.2      | 0.11     | 34      | 0.07       | 0.039      | 6.4      | 12.8     | 0.09      | 130.3    | 0.026      | 0.49    | 0.68       | 0.008      | 0.03      | 0.049   | 49       | 0.8      | 0.05     |
| 11CB0833A | 59.2     | 2.72     | 0.36     | 0.26     | 45      | 0.81       | 0.25       | 68.7     | 30.4     | 0.39      | 975.8    | 0.05       | 1       | 1.79       | 0.016      | 0.2       | 0.049   | 23       | 4.5      | 0.06     |
| 11CB0834A | 90.6     | 0.62     | 0.59     | 0.14     | 33      | 1.44       | 0.115      | 87.8     | 26.3     | 0.36      | 642      | 0.026      | 2       | 1.14       | 0.013      | 0.05      | 0.1     | 104      | 3.1      | 0.08     |
| 11CB0835A | 50.4     | 0.25     | 0.2      | 0.11     | 21      | 0.65       | 0.068      | 12.3     | 14       | 0.2       | 275.2    | 0.029      | 2       | 0.73       | 0.012      | 0.05      | 0.049   | 82       | 1.7      | 0.07     |
| 11CB0836A | 40       | 0.16     | 0.21     | 0.11     | 24      | 0.53       | 0.074      | 13.9     | 16.5     | 0.25      | 224.6    | 0.035      | 1       | 0.85       | 0.013      | 0.07      | 0.1     | 95       | 1.9      | 0.08     |
| 11CB0837A | 30.1     | 0.17     | 0.18     | 0.11     | 17      | 0.37       | 0.087      | 18.6     | 14.4     | 0.19      | 240.7    | 0.025      | 0.49    | 0.81       | 0.01       | 0.05      | 0.049   | 84       | 1.6      | 0.07     |
| 11CB0838A | 58.6     | 2.74     | 0.2      | 0.1      | 17      | 0.97       | 0.122      | 30.5     | 11.7     | 0.13      | 535.6    | 0.006      | 2       | 0.53       | 0.017      | 0.07      | 0.049   | 81       | 0.3      | 0.03     |
| 11CB0839A | 46.8     | 0.24     | 0.27     | 0.11     | 17      | 0.64       | 0.109      | 55.6     | 16.2     | 0.2       | 385.3    | 0.025      | 1       | 1.01       | 0.015      | 0.05      | 0.049   | 107      | 3.8      | 0.07     |
| 11CB0840A | 30.4     | 0.28     | 0.28     | 0.24     | 37      | 0.29       | 0.155      | 21.6     | 27.4     | 0.34      | 159.6    | 0.071      | 0.49    | 1.49       | 0.018      | 0.24      | 0.049   | 9        | 3.6      | 0.07     |
| 11CB0842A | 49.5     | 0.47     | 0.4      | 0.09     | 16      | 0.58       | 0.131      | 54.4     | 13.2     | 0.16      | 399.7    | 0.014      | 2       | 0.92       | 0.015      | 0.05      | 0.049   | 166      | 1.3      | 0.04     |
| 11CB0843A | 28.6     | 1.82     | 0.29     | 0.12     | 29      | 0.19       | 0.064      | 4.6      | 13.4     | 0.08      | 476      | 0.024      | 0.49    | 0.44       | 0.019      | 0.08      | 0.049   | 79       | 0.9      | 0.05     |
| 11CB0844A | 10.2     | 0.41     | 0.29     | 0.19     | 27      | 0.08       | 0.045      | 7.3      | 12.3     | 0.04      | 150.1    | 0.018      | 1       | 0.46       | 0.014      | 0.04      | 0.049   | 43       | 0.7      | 0.03     |
| 11CB0845A | 28.5     | 1.01     | 0.26     | 0.14     | 21      | 0.26       | 0.082      | 5.1      | 11.5     | 0.08      | 276.5    | 0.005      | 2       | 0.38       | 0.014      | 0.06      | 0.049   | 82       | 0.2      | 0.03     |
| 11CB0846A | 23.9     | 0.74     | 0.21     | 0.12     | 17      | 0.28       | 0.105      | 25.3     | 10.4     | 0.05      | 210.7    | 0.012      | 1       | 0.48       | 0.013      | 0.05      | 0.049   | 64       | 0.7      | 0.03     |
| 11CB0847A | 71.1     | 1.65     | 0.36     | 0.17     | 31      | 0.79       | 0.139      | 142.9    | 19       | 0.19      | 816.9    | 0.038      | 2       | 0.98       | 0.017      | 0.11      | 0.049   | 53       | 2.8      | 0.05     |
| 11CB0848A | 145.5    | 2.29     | 0.24     | 0.12     | 25      | 3.68       | 0.44       | 70.6     | 20.4     | 0.28      | 1079.2   | 0.034      | 8       | 1.01       | 0.018      | 0.19      | 0.049   | 25       | 2.5      | 0.0099   |
| 11CB0849A | 69       | 0.38     | 0.46     | 0.16     | 36      | 0.88       | 0.105      | 82.5     | 36.4     | 0.36      | 612.4    | 0.04       | 2       | 1.59       | 0.014      | 0.06      | 0.1     | 111      | 4.6      | 0.1      |
| 11CB0850A | 57.5     | 0.33     | 0.47     | 0.16     | 30      | 0.85       | 0.077      | 96.6     | 28.2     | 0.29      | 477.4    | 0.041      | 3       | 1.45       | 0.013      | 0.06      | 0.1     | 87       | 3.5      | 0.07     |
| 11CB0851A | 42.7     | 0.2      | 0.24     | 0.1      | 14      | 0.58       | 0.061      | 28.9     | 14.2     | 0.09      | 281.1    | 0.023      | 2       | 0.56       | 0.012      | 0.04      | 0.049   | 86       | 1.5      | 0.03     |
| 11CB0852A | 33.6     | 0.2      | 0.31     | 0.15     | 38      | 0.48       | 0.064      | 46.7     | 24.8     | 0.29      | 343.3    | 0.029      | 1       | 1.3        | 0.01       | 0.05      | 0.1     | 48       | 2.9      | 0.05     |
| 11CB0853A | 48.4     | 0.83     | 0.37     | 0.09     | 17      | 0.55       | 0.098      | 87.6     | 12.2     | 0.13      | 569.9    | 0.01       | 2       | 0.88       | 0.013      | 0.03      | 0.049   | 88       | 1.1      | 0.0099   |
| 11CB0854A | 41.8     | 0.46     | 0.27     | 0.09     | 19      | 0.47       | 0.092      | 53.1     | 14.2     | 0.15      | 453.9    | 0.01       | 1       | 0.83       | 0.011      | 0.03      | 0.049   | 88       | 1.1      | 0.02     |
| 11CB0855A | 132.3    | 0.41     | 0.21     | 0.05     | 8       | 1.76       | 0.069      | 17.2     | 8.2      | 0.18      | 444      | 0.013      | 3       | 0.39       | 0.018      | 0.04      | 0.049   | 95       | 1        | 0.0099   |
| 11CB0856A | 74.9     | 0.19     | 0.2      | 0.06     | 36      | 2.68       | 0.054      | 8.7      | 18.9     | 0.54      | 565.7    | 0.016      | 5       | 1.02       | 0.015      | 0.04      | 0.049   | 46       | 3.2      | 0.03     |
| 11CB0857A | 83.2     | 0.98     | 0.23     | 0.1      | 20      | 0.96       | 0.113      | 2.7      | 9.6      | 0.21      | 581.8    | 0.014      | 2       | 0.46       | 0.01       | 0.09      | 0.049   | 221      | 0.5      | 0.04     |
| 11CB0858A | 31.1     | 0.71     | 0.27     | 0.1      | 17      | 0.24       | 0.102      | 2.5      | 7.4      | 0.08      | 439.5    | 0.016      | 2       | 0.27       | 0.015      | 0.07      | 0.049   | 159      | 0.8      | 0.16     |
| 11DS0852A | 55.4     | 0.54     | 0.15     | 0.12     | 13      | 0.3        | 0.11       | 4.7      | 8.1      | 0.07      | 361.7    | 0.002      | 0.49    | 0.5        | 0.014      | 0.06      | 0.049   | 86       | 0.2      | 0.02     |
| 11DS0852A | 55.4     | 0.54     | 0.15     | 0.12     | 13      | 0.3        | 0.11       | 4.7      | 8.1      | 0.07      | 361.7    | 0.002      | 0.49    | 0.5        | 0.014      | 0.06      | 0.049   | 86       | 0.2      | 0.02     |
| 11DS0853A | 78.7     | 0.81     | 0.22     | 0.12     | 18      | 0.65       | 0.069      | 3.4      | 8.4      | 0.1       | 464.6    | 0.011      | 2       | 0.36       | 0.013      | 0.06      | 0.049   | 122      | 0.3      | 0.05     |
| 11DS0853A | 78.7     | 0.81     | 0.22     | 0.12     | 18      | 0.65       | 0.069      | 3.4      | 8.4      | 0.1       | 464.6    | 0.011      | 2       | 0.36       | 0.013      | 0.06      | 0.049   | 122      | 0.3      | 0.05     |
| 11DS0854A | 148.1    | 0.88     | 0.25     | 0.11     | 22      | 1.61       | 0.107      | 2.3      | 10.5     | 0.26      | 935.8    | 0.023      | 4       | 0.56       | 0.011      | 0.1       | 0.049   | 170      | 0.7      | 0.07     |
| 11DS0854A | 148.1    | 0.88     | 0.25     | 0.11     | 22      | 1.61       | 0.107      | 2.3      | 10.5     | 0.26      | 935.8    | 0.023      | 4       | 0.56       | 0.011      | 0.1       | 0.049   | 170      | 0.7      | 0.07     |
| 11DS0855A | 152.7    | 1.55     | 0.27     | 0.13     | 26      | 1.18       | 0.113      | 3.8      | 12       | 0.21      | 1444.2   | 0.019      | 2       | 0.65       | 0.015      | 0.09      | 0.049   | 134      | 0.8      | 0.1      |
| 11DS0855A | 152.7    | 1.55     | 0.27     | 0.13     | 26      | 1.18       | 0.113      | 3.8      | 12       | 0.21      | 1444.2   | 0.019      | 2       | 0.65       | 0.015      | 0.09      | 0.049   | 134      | 0.8      | 0.1      |
| 11DS0856A | 211      | 1.11     | 0.24     | 0.1      | 19      | 1.65       | 0.106      | 2.6      | 8.8      | 0.23      | 779.7    | 0.018      | 4       | 0.47       | 0.011      | 0.09      | 0.049   | 119      | 0.5      | 0.05     |
| 11DS0856A | 211      | 1.11     | 0.24     | 0.1      | 19      | 1.65       | 0.106      | 2.6      | 8.8      | 0.23      | 779.7    | 0.018      | 4       | 0.47       | 0.011      | 0.09      | 0.049   | 119      | 0.5      | 0.05     |
| 11DS0857A | 126.4    | 0.59     | 0.31     | 0.13     | 38      | 1.09       | 0.091      | 3.5      | 14.9     | 0.39      | 640.6    | 0.026      | 2       | 0.97       | 0.01       | 0.12      | 0.049   | 110      | 0.7      | 0.05     |
| 11DS0857A | 126.4    | 0.59     | 0.31     | 0.13     | 38      | 1.09       | 0.091      | 3.5      | 14.9     | 0.39      | 640.6    | 0.026      | 2       | 0.97       | 0.01       | 0.12      | 0.049   | 110      | 0.7      | 0.05     |
| 11DS0858A | 180.2    | 0.8      | 0.21     | 0.09     | 25      | 1.76       | 0.118      | 2.4      | 10.4     | 0.32      | 759.2    | 0.029      | 7       | 0.7        | 0.01       | 0.1       | 0.049   | 88       | 0.8      | 0.04     |
| 11DS0858A | 180.2    | 0.8      | 0.21     | 0.09     | 25      | 1.76       | 0.118      | 2.4      | 10.4     | 0.32      | 759.2    | 0.029      | 7       | 0.7        | 0.01       | 0.1       | 0.049   | 88       | 0.8      | 0.04     |
| 11DS0859A | 159      | 0.62     | 0.24     | 0.09     | 30      | 1.66       | 0.105      | 2.9      | 14.9     | 0.4       | 756.6    | 0.028      | 4       | 0.82       | 0.01       | 0.11      | 0.049   | 148      | 1.1      | 0.03     |
| 11DS0859A | 159      | 0.62     | 0.24     | 0.09     | 30      | 1.66       | 0.105      | 2.9      | 14.9     | 0.4       | 756.6    | 0.028      | 4       | 0.82       | 0.01       | 0.11      | 0.049   | 148      | 1.1      | 0.03     |
| 11DS0860A | 200.2    | 1.02     | 0.2      | 0.07     | 18      | 1.96       | 0.128      | 2.1      | 10.5     | 0.29      | 1120.2   | 0.017      | 5       | 0.58       | 0.009      | 0.11      | 0.049   | 182      | 0.7      | 0.04     |
| 11DS0860A | 200.2    | 1.02     | 0.2      | 0.07     | 18      | 1.96       | 0.128      | 2.1      | 10.5     | 0.29      | 1120.2   | 0.017      | 5       | 0.58       | 0.009      | 0.11      | 0.049   | 182      | 0.7      | 0.04     |
| 11DS0862A | 133.2    | 0.3      | 0.31     | 0.04     | 14      | 2.31       | 0.076      | 6.1      | 6.9      | 0.3       | 134.9    | 0.014      | 5       | 0.41       | 0.011      | 0.04      | 0.049   | 95       | 1        | 0.0099   |
| 11DS0862A | 133.2    | 0.3      | 0.31     | 0.04     | 14      | 2.31       | 0.076      | 6.1      | 6.9      | 0.3       | 134.9    | 0.014      | 5       | 0.41       | 0.011      | 0.04      | 0.049   | 95       | 1        | 0.0099   |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS0863A | 40       | 0.59     | 0.18     | 0.11     | 15      | 0.29       | 0.07       | 4.5      | 6.2      | 0.07      | 169.3    | 0.009      | 1       | 0.34       | 0.013      | 0.05      | 0.049   | 146      | 0.5      | 0.0099   |
| 11DS0863A | 40       | 0.59     | 0.18     | 0.11     | 15      | 0.29       | 0.07       | 4.5      | 6.2      | 0.07      | 169.3    | 0.009      | 1       | 0.34       | 0.013      | 0.05      | 0.049   | 146      | 0.5      | 0.0099   |
| 11DS0864A | 85.5     | 2.04     | 0.2      | 0.1      | 17      | 0.52       | 0.112      | 25.5     | 10.8     | 0.13      | 473.1    | 0.01       | 1       | 0.69       | 0.011      | 0.1       | 0.049   | 143      | 1.3      | 0.03     |
| 11DS0864A | 85.5     | 2.04     | 0.2      | 0.1      | 17      | 0.52       | 0.112      | 25.5     | 10.8     | 0.13      | 473.1    | 0.01       | 1       | 0.69       | 0.011      | 0.1       | 0.049   | 143      | 1.3      | 0.03     |
| 11DS0865A | 142.9    | 0.59     | 0.31     | 0.06     | 29      | 0.88       | 0.062      | 6.6      | 8.9      | 0.23      | 174.4    | 0.028      | 2       | 0.71       | 0.018      | 0.04      | 0.049   | 81       | 1.7      | 0.0099   |
| 11DS0865A | 142.9    | 0.59     | 0.31     | 0.06     | 29      | 0.88       | 0.062      | 6.6      | 8.9      | 0.23      | 174.4    | 0.028      | 2       | 0.71       | 0.018      | 0.04      | 0.049   | 81       | 1.7      | 0.0099   |
| 11DS0866A | 73.5     | 0.5      | 0.16     | 0.1      | 19      | 0.87       | 0.059      | 6.6      | 9        | 0.31      | 344.5    | 0.008      | 0.49    | 0.63       | 0.019      | 0.04      | 0.049   | 81       | 0.6      | 0.0099   |
| 11DS0866A | 73.5     | 0.5      | 0.16     | 0.1      | 19      | 0.87       | 0.059      | 6.6      | 9        | 0.31      | 344.5    | 0.008      | 0.49    | 0.63       | 0.019      | 0.04      | 0.049   | 81       | 0.6      | 0.0099   |
| 11DS0867A | 97.5     | 0.18     | 0.21     | 0.06     | 56      | 1.95       | 0.149      | 15.4     | 48.7     | 1.04      | 378.3    | 0.02       | 2       | 1.34       | 0.016      | 0.04      | 0.049   | 79       | 4.7      | 0.0099   |
| 11DS0867A | 97.5     | 0.18     | 0.21     | 0.06     | 56      | 1.95       | 0.149      | 15.4     | 48.7     | 1.04      | 378.3    | 0.02       | 2       | 1.34       | 0.016      | 0.04      | 0.049   | 79       | 4.7      | 0.0099   |
| 11DS0868A | 70.1     | 0.23     | 0.32     | 0.09     | 32      | 0.91       | 0.118      | 14.2     | 14.6     | 0.25      | 296.5    | 0.023      | 2       | 1.28       | 0.014      | 0.04      | 0.049   | 156      | 1.8      | 0.06     |
| 11DS0868A | 70.1     | 0.23     | 0.32     | 0.09     | 32      | 0.91       | 0.118      | 14.2     | 14.6     | 0.25      | 296.5    | 0.023      | 2       | 1.28       | 0.014      | 0.04      | 0.049   | 156      | 1.8      | 0.06     |
| 11DS0869A | 23       | 0.29     | 0.16     | 0.07     | 18      | 0.21       | 0.112      | 7.2      | 13.9     | 0.09      | 130.4    | 0.008      | 1       | 0.99       | 0.011      | 0.03      | 0.049   | 87       | 0.4      | 0.0099   |
| 11DS0869A | 23       | 0.29     | 0.16     | 0.07     | 18      | 0.21       | 0.112      | 7.2      | 13.9     | 0.09      | 130.4    | 0.008      | 1       | 0.99       | 0.011      | 0.03      | 0.049   | 87       | 0.4      | 0.0099   |
| 11DS0870A | 42       | 0.24     | 0.17     | 0.05     | 12      | 0.45       | 0.093      | 6.7      | 6.6      | 0.08      | 176.7    | 0.01       | 2       | 0.57       | 0.011      | 0.04      | 0.049   | 126      | 0.6      | 0.02     |
| 11DS0870A | 42       | 0.24     | 0.17     | 0.05     | 12      | 0.45       | 0.093      | 6.7      | 6.6      | 0.08      | 176.7    | 0.01       | 2       | 0.57       | 0.011      | 0.04      | 0.049   | 126      | 0.6      | 0.02     |
| 11DS0871A | 51.7     | 0.27     | 0.18     | 0.07     | 18      | 0.61       | 0.108      | 7.8      | 10.3     | 0.13      | 215.1    | 0.011      | 2       | 0.82       | 0.01       | 0.03      | 0.049   | 124      | 0.9      | 0.03     |
| 11DS0871A | 51.7     | 0.27     | 0.18     | 0.07     | 18      | 0.61       | 0.108      | 7.8      | 10.3     | 0.13      | 215.1    | 0.011      | 2       | 0.82       | 0.01       | 0.03      | 0.049   | 124      | 0.9      | 0.03     |
| 11DS0872A | 30.5     | 0.31     | 0.12     | 0.09     | 15      | 0.3        | 0.058      | 8.3      | 10.5     | 0.07      | 151.4    | 0.009      | 0.49    | 0.7        | 0.009      | 0.02      | 0.049   | 55       | 0.5      | 0.0099   |
| 11DS0872A | 30.5     | 0.31     | 0.12     | 0.09     | 15      | 0.3        | 0.058      | 8.3      | 10.5     | 0.07      | 151.4    | 0.009      | 0.49    | 0.7        | 0.009      | 0.02      | 0.049   | 55       | 0.5      | 0.0099   |
| 11DS0873A | 31.1     | 0.31     | 0.12     | 0.07     | 16      | 0.25       | 0.065      | 3.7      | 7.6      | 0.06      | 142.9    | 0.007      | 1       | 0.4        | 0.01       | 0.05      | 0.049   | 84       | 0.6      | 0.0099   |
| 11DS0873A | 31.1     | 0.31     | 0.12     | 0.07     | 16      | 0.25       | 0.065      | 3.7      | 7.6      | 0.06      | 142.9    | 0.007      | 1       | 0.4        | 0.01       | 0.05      | 0.049   | 84       | 0.6      | 0.0099   |
| 11DS0874A | 36.5     | 0.29     | 0.14     | 0.08     | 12      | 0.19       | 0.096      | 3.3      | 11       | 0.05      | 161.6    | 0.004      | 0.49    | 0.64       | 0.015      | 0.04      | 0.049   | 113      | 0.4      | 0.03     |
| 11DS0874A | 36.5     | 0.29     | 0.14     | 0.08     | 12      | 0.19       | 0.096      | 3.3      | 11       | 0.05      | 161.6    | 0.004      | 0.49    | 0.64       | 0.015      | 0.04      | 0.049   | 113      | 0.4      | 0.03     |
| 11DS0875A | 27.7     | 0.84     | 0.13     | 0.1      | 15      | 0.1        | 0.088      | 3.1      | 9.4      | 0.04      | 179.9    | 0.003      | 1       | 0.6        | 0.013      | 0.03      | 0.049   | 98       | 0.3      | 0.0099   |
| 11DS0875A | 27.7     | 0.84     | 0.13     | 0.1      | 15      | 0.1        | 0.088      | 3.1      | 9.4      | 0.04      | 179.9    | 0.003      | 1       | 0.6        | 0.013      | 0.03      | 0.049   | 98       | 0.3      | 0.0099   |
| 11DS0876A | 18       | 0.35     | 0.18     | 0.09     | 15      | 0.06       | 0.07       | 2.6      | 8.2      | 0.04      | 167.3    | 0.002      | 2       | 0.4        | 0.012      | 0.03      | 0.049   | 91       | 0.2      | 0.0099   |
| 11DS0876A | 18       | 0.35     | 0.18     | 0.09     | 15      | 0.06       | 0.07       | 2.6      | 8.2      | 0.04      | 167.3    | 0.002      | 2       | 0.4        | 0.012      | 0.03      | 0.049   | 91       | 0.2      | 0.0099   |
| 11DS0877A | 29.3     | 0.33     | 0.3      | 0.14     | 69      | 0.55       | 0.051      | 5.9      | 22.3     | 0.57      | 461.7    | 0.031      | 1       | 1.19       | 0.009      | 0.06      | 0.1     | 71       | 2.7      | 0.05     |
| 11DS0877A | 29.3     | 0.33     | 0.3      | 0.14     | 69      | 0.55       | 0.051      | 5.9      | 22.3     | 0.57      | 461.7    | 0.031      | 1       | 1.19       | 0.009      | 0.06      | 0.1     | 71       | 2.7      | 0.05     |
| 11TB0874A | 101.4    | 1.62     | 0.39     | 0.26     | 29      | 1.53       | 0.113      | 46.2     | 25.5     | 0.36      | 926.8    | 0.027      | 2       | 1.49       | 0.015      | 0.08      | 0.049   | 132      | 3.4      | 0.09     |
| 11TB0874A | 101.4    | 1.62     | 0.39     | 0.26     | 29      | 1.53       | 0.113      | 46.2     | 25.5     | 0.36      | 926.8    | 0.027      | 2       | 1.49       | 0.015      | 0.08      | 0.049   | 132      | 3.4      | 0.09     |
| 11TB0875A | 27       | 0.6      | 0.21     | 0.15     | 22      | 0.27       | 0.08       | 12.7     | 13.7     | 0.12      | 235      | 0.017      | 0.49    | 0.87       | 0.015      | 0.08      | 0.049   | 69       | 0.7      | 0.05     |
| 11TB0875A | 27       | 0.6      | 0.21     | 0.15     | 22      | 0.27       | 0.08       | 12.7     | 13.7     | 0.12      | 235      | 0.017      | 0.49    | 0.87       | 0.015      | 0.08      | 0.049   | 69       | 0.7      | 0.05     |
| 11TB0876A | 24.3     | 0.57     | 0.2      | 0.09     | 16      | 0.23       | 0.078      | 12.2     | 9.7      | 0.1       | 240      | 0.007      | 2       | 0.48       | 0.016      | 0.08      | 0.049   | 71       | 0.3      | 0.04     |
| 11TB0876A | 24.3     | 0.57     | 0.2      | 0.09     | 16      | 0.23       | 0.078      | 12.2     | 9.7      | 0.1       | 240      | 0.007      | 2       | 0.48       | 0.016      | 0.08      | 0.049   | 71       | 0.3      | 0.04     |
| 11TB0877A | 45.3     | 1.13     | 0.24     | 0.08     | 14      | 0.58       | 0.122      | 41.8     | 8.5      | 0.12      | 532      | 0.006      | 2       | 0.62       | 0.016      | 0.08      | 0.049   | 144      | 0.4      | 0.04     |
| 11TB0877A | 45.3     | 1.13     | 0.24     | 0.08     | 14      | 0.58       | 0.122      | 41.8     | 8.5      | 0.12      | 532      | 0.006      | 2       | 0.62       | 0.016      | 0.08      | 0.049   | 144      | 0.4      | 0.04     |
| 11TB0878A | 42.3     | 1.53     | 0.24     | 0.1      | 13      | 0.41       | 0.087      | 10.9     | 8        | 0.07      | 432.5    | 0.007      | 0.49    | 0.47       | 0.018      | 0.07      | 0.049   | 130      | 0.3      | 0.04     |
| 11TB0878A | 42.3     | 1.53     | 0.24     | 0.1      | 13      | 0.41       | 0.087      | 10.9     | 8        | 0.07      | 432.5    | 0.007      | 0.49    | 0.47       | 0.018      | 0.07      | 0.049   | 130      | 0.3      | 0.04     |
| 11TB0880A | 30.3     | 0.17     | 0.26     | 0.11     | 27      | 0.33       | 0.069      | 22.7     | 14.4     | 0.19      | 247      | 0.032      | 2       | 0.79       | 0.012      | 0.06      | 0.049   | 65       | 1.8      | 0.07     |
| 11TB0880A | 30.3     | 0.17     | 0.26     | 0.11     | 27      | 0.33       | 0.069      | 22.7     | 14.4     | 0.19      | 247      | 0.032      | 2       | 0.79       | 0.012      | 0.06      | 0.049   | 65       | 1.8      | 0.07     |
| 11TB0882A | 47.9     | 0.74     | 0.29     | 0.12     | 19      | 0.57       | 0.113      | 120      | 15.5     | 0.19      | 615.6    | 0.014      | 2       | 1.27       | 0.014      | 0.08      | 0.049   | 128      | 1.4      | 0.06     |
| 11TB0882A | 47.9     | 0.74     | 0.29     | 0.12     | 19      | 0.57       | 0.113      | 120      | 15.5     | 0.19      | 615.6    | 0.014      | 2       | 1.27       | 0.014      | 0.08      | 0.049   | 128      | 1.4      | 0.06     |
| 11TB0883A | 77.5     | 0.44     | 0.29     | 0.2      | 26      | 1.54       | 0.07       | 16.5     | 16.3     | 0.3       | 359      | 0.032      | 2       | 1.16       | 0.012      | 0.06      | 0.1     | 65       | 2.6      | 0.09     |
| 11TB0883A | 77.5     | 0.44     | 0.29     | 0.2      | 26      | 1.54       | 0.07       | 16.5     | 16.3     | 0.3       | 359      | 0.032      | 2       | 1.16       | 0.012      | 0.06      | 0.1     | 65       | 2.6      | 0.09     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB0884A | 34.3     | 0.13     | 0.34     | 0.1      | 21      | 0.38       | 0.09       | 29       | 14.4     | 0.2       | 267.2    | 0.025      | 1       | 0.94       | 0.014      | 0.06      | 0.1     | 107      | 1.9      | 0.07     |
| 11TB0884A | 34.3     | 0.13     | 0.34     | 0.1      | 21      | 0.38       | 0.09       | 29       | 14.4     | 0.2       | 267.2    | 0.025      | 1       | 0.94       | 0.014      | 0.06      | 0.1     | 107      | 1.9      | 0.07     |
| 11TB0885A | 17.5     | 0.8      | 0.29     | 0.15     | 30      | 0.07       | 0.056      | 6.1      | 14.7     | 0.05      | 267.9    | 0.008      | 0.49    | 0.63       | 0.014      | 0.05      | 0.049   | 30       | 0.2      | 0.03     |
| 11TB0885A | 17.5     | 0.8      | 0.29     | 0.15     | 30      | 0.07       | 0.056      | 6.1      | 14.7     | 0.05      | 267.9    | 0.008      | 0.49    | 0.63       | 0.014      | 0.05      | 0.049   | 30       | 0.2      | 0.03     |
| 11TB0886A | 11.3     | 0.42     | 0.34     | 0.22     | 42      | 0.08       | 0.031      | 7.9      | 13       | 0.08      | 129.1    | 0.041      | 0.49    | 0.65       | 0.01       | 0.05      | 0.049   | 21       | 0.9      | 0.05     |
| 11TB0886A | 11.3     | 0.42     | 0.34     | 0.22     | 42      | 0.08       | 0.031      | 7.9      | 13       | 0.08      | 129.1    | 0.041      | 0.49    | 0.65       | 0.01       | 0.05      | 0.049   | 21       | 0.9      | 0.05     |
| 11TB0887A | 21.7     | 1.04     | 0.22     | 0.11     | 20      | 0.17       | 0.057      | 9.1      | 9.9      | 0.07      | 278.5    | 0.011      | 2       | 0.47       | 0.017      | 0.06      | 0.049   | 46       | 0.3      | 0.05     |
| 11TB0887A | 21.7     | 1.04     | 0.22     | 0.11     | 20      | 0.17       | 0.057      | 9.1      | 9.9      | 0.07      | 278.5    | 0.011      | 2       | 0.47       | 0.017      | 0.06      | 0.049   | 46       | 0.3      | 0.05     |
| 11TB0888A | 77.1     | 0.33     | 0.62     | 0.17     | 30      | 0.96       | 0.11       | 534.7    | 25.5     | 0.25      | 872      | 0.026      | 2       | 2.18       | 0.012      | 0.07      | 0.1     | 165      | 6.9      | 0.09     |
| 11TB0888A | 77.1     | 0.33     | 0.62     | 0.17     | 30      | 0.96       | 0.11       | 534.7    | 25.5     | 0.25      | 872      | 0.026      | 2       | 2.18       | 0.012      | 0.07      | 0.1     | 165      | 6.9      | 0.09     |
| 11TB0889A | 13.1     | 0.19     | 0.32     | 0.17     | 37      | 0.09       | 0.049      | 8        | 14.6     | 0.1       | 97.7     | 0.023      | 0.49    | 0.66       | 0.01       | 0.06      | 0.049   | 52       | 0.6      | 0.05     |
| 11TB0889A | 13.1     | 0.19     | 0.32     | 0.17     | 37      | 0.09       | 0.049      | 8        | 14.6     | 0.1       | 97.7     | 0.023      | 0.49    | 0.66       | 0.01       | 0.06      | 0.049   | 52       | 0.6      | 0.05     |
| 11TB0904A | 19.3     | 0.16     | 0.15     | 0.15     | 32      | 0.13       | 0.037      | 6.8      | 13.6     | 0.14      | 175.1    | 0.031      | 0.49    | 0.78       | 0.009      | 0.03      | 0.049   | 29       | 0.8      | 0.06     |
| 11TB0904A | 19.3     | 0.16     | 0.15     | 0.15     | 32      | 0.13       | 0.037      | 6.8      | 13.6     | 0.14      | 175.1    | 0.031      | 0.49    | 0.78       | 0.009      | 0.03      | 0.049   | 29       | 0.8      | 0.06     |
| 11TB0905A | 52.8     | 0.16     | 0.41     | 0.12     | 26      | 0.73       | 0.075      | 110.3    | 18.3     | 0.28      | 423.3    | 0.035      | 3       | 1.22       | 0.014      | 0.06      | 0.1     | 91       | 3.7      | 0.08     |
| 11TB0905A | 52.8     | 0.16     | 0.41     | 0.12     | 26      | 0.73       | 0.075      | 110.3    | 18.3     | 0.28      | 423.3    | 0.035      | 3       | 1.22       | 0.014      | 0.06      | 0.1     | 91       | 3.7      | 0.08     |
| 11TB0906A | 32.8     | 0.19     | 0.39     | 0.09     | 22      | 0.39       | 0.085      | 75       | 14.2     | 0.2       | 302      | 0.031      | 2       | 1.04       | 0.011      | 0.06      | 0.049   | 95       | 2.4      | 0.06     |
| 11TB0906A | 32.8     | 0.19     | 0.39     | 0.09     | 22      | 0.39       | 0.085      | 75       | 14.2     | 0.2       | 302      | 0.031      | 2       | 1.04       | 0.011      | 0.06      | 0.049   | 95       | 2.4      | 0.06     |
| 11TB0907A | 25.5     | 0.09     | 0.26     | 0.1      | 24      | 0.27       | 0.068      | 39.2     | 15.8     | 0.15      | 210      | 0.026      | 1       | 0.87       | 0.01       | 0.05      | 0.2     | 63       | 1.6      | 0.05     |
| 11TB0907A | 25.5     | 0.09     | 0.26     | 0.1      | 24      | 0.27       | 0.068      | 39.2     | 15.8     | 0.15      | 210      | 0.026      | 1       | 0.87       | 0.01       | 0.05      | 0.2     | 63       | 1.6      | 0.05     |
| 11TB0908A | 28.1     | 0.24     | 0.29     | 0.1      | 25      | 0.31       | 0.081      | 46.8     | 16.2     | 0.21      | 277.7    | 0.022      | 2       | 0.97       | 0.011      | 0.05      | 0.049   | 73       | 2.1      | 0.04     |
| 11TB0908A | 28.1     | 0.24     | 0.29     | 0.1      | 25      | 0.31       | 0.081      | 46.8     | 16.2     | 0.21      | 277.7    | 0.022      | 2       | 0.97       | 0.011      | 0.05      | 0.049   | 73       | 2.1      | 0.04     |
| 11TB0909A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0909A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0910A | 32.8     | 0.35     | 0.31     | 0.16     | 43      | 0.4        | 0.061      | 8.8      | 19.3     | 0.28      | 391.6    | 0.044      | 0.49    | 1.07       | 0.013      | 0.08      | 0.049   | 37       | 1.8      | 0.08     |
| 11TB0910A | 32.8     | 0.35     | 0.31     | 0.16     | 43      | 0.4        | 0.061      | 8.8      | 19.3     | 0.28      | 391.6    | 0.044      | 0.49    | 1.07       | 0.013      | 0.08      | 0.049   | 37       | 1.8      | 0.08     |
| 11TB0911A | 16.8     | 0.28     | 0.19     | 0.16     | 27      | 0.13       | 0.048      | 11       | 12.7     | 0.09      | 190.3    | 0.016      | 0.49    | 0.74       | 0.01       | 0.05      | 0.049   | 31       | 0.4      | 0.05     |
| 11TB0911A | 16.8     | 0.28     | 0.19     | 0.16     | 27      | 0.13       | 0.048      | 11       | 12.7     | 0.09      | 190.3    | 0.016      | 0.49    | 0.74       | 0.01       | 0.05      | 0.049   | 31       | 0.4      | 0.05     |
| 11TB0912A | 37.7     | 0.49     | 0.25     | 0.08     | 18      | 0.41       | 0.074      | 5.1      | 10.9     | 0.14      | 630.1    | 0.019      | 1       | 0.6        | 0.014      | 0.1       | 0.049   | 82       | 0.8      | 0.07     |
| 11TB0912A | 37.7     | 0.49     | 0.25     | 0.08     | 18      | 0.41       | 0.074      | 5.1      | 10.9     | 0.14      | 630.1    | 0.019      | 1       | 0.6        | 0.014      | 0.1       | 0.049   | 82       | 0.8      | 0.07     |
| 11AN0168A | 25.8     | 0.61     | 0.11     | 0.09     | 14      | 0.29       | 0.053      | 8.3      | 8.9      | 0.07      | 239.3    | 0.016      | 0.49    | 0.47       | 0.015      | 0.07      | 0.049   | 72       | 0.5      | 0.04     |
| 11AN0169A | 129.4    | 0.64     | 0.4      | 0.08     | 16      | 2.99       | 0.122      | 13.8     | 24.3     | 0.4       | 1205.8   | 0.017      | 4       | 0.78       | 0.014      | 0.04      | 0.049   | 112      | 2.3      | 0.07     |
| 11AN0170A | 17.4     | 0.29     | 0.16     | 0.46     | 23      | 0.14       | 0.037      | 5.9      | 11.8     | 0.08      | 130.5    | 0.023      | 0.49    | 0.45       | 0.011      | 0.05      | 0.049   | 56       | 0.6      | 0.03     |
| 11AN0171A | 17.6     | 0.74     | 0.2      | 0.16     | 34      | 0.28       | 0.074      | 7.6      | 12.8     | 0.15      | 162.9    | 0.024      | 0.49    | 0.77       | 0.009      | 0.09      | 0.049   | 45       | 0.7      | 0.06     |
| 11AN0172A | 21.6     | 0.97     | 0.22     | 0.21     | 37      | 0.24       | 0.043      | 15.3     | 15.2     | 0.18      | 226.5    | 0.031      | 0.49    | 1.2        | 0.01       | 0.1       | 0.049   | 42       | 1.6      | 0.1      |
| 11AN0173A | 37.4     | 0.96     | 0.19     | 0.12     | 16      | 0.45       | 0.078      | 25.7     | 12.7     | 0.13      | 468.3    | 0.014      | 0.49    | 0.7        | 0.013      | 0.08      | 0.049   | 79       | 1        | 0.05     |
| 11AN0174A | 12.3     | 0.49     | 0.13     | 0.09     | 15      | 0.19       | 0.048      | 5        | 10.7     | 0.06      | 126      | 0.017      | 0.49    | 0.3        | 0.015      | 0.09      | 0.049   | 70       | 0.5      | 0.03     |
| 11AN0175A | 13.9     | 0.79     | 0.19     | 0.14     | 25      | 0.2        | 0.037      | 5.3      | 10.2     | 0.05      | 195.2    | 0.011      | 0.49    | 0.47       | 0.011      | 0.07      | 0.049   | 33       | 0.3      | 0.04     |
| 11AN0176A | 66.7     | 0.43     | 0.22     | 0.16     | 24      | 1.66       | 0.057      | 27.7     | 12.1     | 0.34      | 495      | 0.025      | 1       | 0.97       | 0.012      | 0.06      | 0.1     | 72       | 1.8      | 0.09     |
| 11AN0177A | 35.5     | 0.7      | 0.28     | 0.18     | 35      | 0.43       | 0.081      | 52.3     | 17.9     | 0.2       | 623.4    | 0.034      | 0.49    | 1.05       | 0.011      | 0.1       | 0.1     | 60       | 2.2      | 0.07     |
| 11AN0178A | 40.4     | 2.19     | 0.17     | 0.07     | 11      | 0.67       | 0.087      | 35.9     | 9.4      | 0.1       | 683.6    | 0.012      | 1       | 0.31       | 0.015      | 0.08      | 0.049   | 84       | 0.6      | 0.03     |
| 11AN0179A | 31.3     | 1.51     | 0.32     | 0.2      | 34      | 0.29       | 0.062      | 103.7    | 20.3     | 0.2       | 432.6    | 0.028      | 0.49    | 1.44       | 0.016      | 0.08      | 0.049   | 68       | 1.7      | 0.06     |
| 11AN0180A | 45.1     | 1.07     | 0.32     | 0.16     | 34      | 0.41       | 0.085      | 41.7     | 16.6     | 0.18      | 451      | 0.022      | 0.49    | 1.03       | 0.01       | 0.07      | 0.049   | 59       | 1        | 0.05     |
| 11AN0182A | 25.4     | 0.5      | 0.31     | 0.21     | 42      | 0.21       | 0.037      | 31.9     | 20.2     | 0.22      | 252      | 0.043      | 0.49    | 1.24       | 0.009      | 0.07      | 0.049   | 50       | 1.7      | 0.08     |
| 11AN0183A | 32.1     | 0.49     | 0.32     | 0.25     | 29      | 0.31       | 0.087      | 95.6     | 18.7     | 0.23      | 339.2    | 0.038      | 0.49    | 1.55       | 0.007      | 0.1       | 0.2     | 83       | 3        | 0.11     |
| 11AN0184A | 24.9     | 0.17     | 0.31     | 0.17     | 37      | 0.26       | 0.058      | 25.5     | 23.9     | 0.38      | 167.3    | 0.052      | 0.49    | 1.55       | 0.011      | 0.06      | 0.2     | 49       | 3.1      | 0.09     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0185A | 32.3     | 0.18     | 0.33     | 0.15     | 27      | 0.4        | 0.076      | 28.2     | 19.5     | 0.26      | 222.3    | 0.03       | 0.49    | 1.19       | 0.011      | 0.04      | 0.1     | 78       | 2.6      | 0.07     |
| 11AN0186A | 26.3     | 0.28     | 0.32     | 0.15     | 28      | 0.28       | 0.067      | 21.1     | 21.7     | 0.27      | 193.4    | 0.033      | 0.49    | 1.16       | 0.011      | 0.04      | 0.1     | 86       | 2.3      | 0.08     |
| 11AN0187A | 24.5     | 0.16     | 0.26     | 0.13     | 21      | 0.27       | 0.084      | 18       | 17.8     | 0.18      | 196.9    | 0.02       | 0.49    | 0.81       | 0.01       | 0.03      | 0.2     | 83       | 1.6      | 0.06     |
| 11CB0859A | 47.8     | 2.75     | 0.19     | 0.14     | 20      | 0.43       | 0.086      | 5        | 9.2      | 0.11      | 790.1    | 0.012      | 1       | 0.45       | 0.017      | 0.06      | 0.049   | 65       | 0.5      | 0.06     |
| 11CB0860A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB0862A | 149.8    | 3.53     | 0.45     | 0.16     | 16      | 1.82       | 0.102      | 47.9     | 11.2     | 0.26      | 1040.8   | 0.014      | 1       | 0.81       | 0.015      | 0.07      | 0.049   | 215      | 1.9      | 0.04     |
| 11CB0863A | 26.4     | 3.1      | 0.22     | 0.17     | 23      | 0.24       | 0.061      | 4.7      | 10.2     | 0.05      | 218.2    | 0.007      | 2       | 0.45       | 0.012      | 0.05      | 0.049   | 46       | 0.3      | 0.04     |
| 11CB0864A | 67.2     | 3        | 0.46     | 0.26     | 34      | 0.75       | 0.132      | 59.4     | 20.5     | 0.25      | 874.7    | 0.012      | 1       | 1.19       | 0.014      | 0.08      | 0.1     | 136      | 1.4      | 0.04     |
| 11CB0865A | 69.5     | 1.53     | 0.25     | 0.11     | 17      | 1.16       | 0.104      | 50.7     | 14.7     | 0.21      | 913.7    | 0.01       | 1       | 0.5        | 0.017      | 0.07      | 0.049   | 149      | 1        | 0.07     |
| 11CB0866A | 78.3     | 1.38     | 0.24     | 0.19     | 27      | 1.41       | 0.229      | 10.7     | 15.4     | 0.14      | 831.4    | 0.038      | 2       | 0.69       | 0.024      | 0.14      | 0.049   | 7        | 3        | 0.06     |
| 11CB0867A | 33.2     | 1.98     | 0.3      | 0.19     | 29      | 0.25       | 0.108      | 19.1     | 15.3     | 0.09      | 535.8    | 0.006      | 0.49    | 0.75       | 0.012      | 0.06      | 0.049   | 61       | 0.2      | 0.02     |
| 11CB0868A | 48.9     | 0.51     | 0.28     | 0.23     | 38      | 0.62       | 0.133      | 37.2     | 19.1     | 0.21      | 623.5    | 0.04       | 1       | 1.31       | 0.024      | 0.21      | 0.049   | 11       | 3.1      | 0.04     |
| 11CB0869A | 44.9     | 0.83     | 0.31     | 0.24     | 37      | 0.47       | 0.2        | 57.5     | 22.3     | 0.21      | 798.2    | 0.03       | 1       | 1.58       | 0.021      | 0.2       | 0.049   | 7        | 4.5      | 0.03     |
| 11CB0870A | 145.5    | 1.48     | 0.27     | 0.14     | 24      | 2.28       | 0.287      | 72.9     | 14.1     | 0.16      | 1026.3   | 0.039      | 2       | 0.75       | 0.021      | 0.16      | 0.049   | 8        | 3.7      | 0.0099   |
| 11CB0871A | 77.5     | 3.04     | 0.39     | 0.24     | 48      | 1.04       | 0.37       | 130.2    | 29       | 0.36      | 1196.6   | 0.056      | 2       | 2.1        | 0.017      | 0.19      | 0.049   | 13       | 6.7      | 0.03     |
| 11CB0872A | 66.5     | 0.59     | 0.28     | 0.18     | 25      | 0.88       | 0.138      | 76.7     | 24.2     | 0.24      | 498.8    | 0.021      | 2       | 1.4        | 0.011      | 0.07      | 0.1     | 142      | 3.5      | 0.06     |
| 11CB0873A | 58.3     | 0.25     | 0.32     | 0.19     | 38      | 0.78       | 0.079      | 72.2     | 28.7     | 0.36      | 440.7    | 0.033      | 2       | 1.71       | 0.01       | 0.06      | 0.1     | 69       | 3.9      | 0.08     |
| 11CB0874A | 45.7     | 0.2      | 0.29     | 0.09     | 16      | 0.6        | 0.12       | 41.8     | 14.1     | 0.16      | 364      | 0.021      | 2       | 0.73       | 0.014      | 0.03      | 0.049   | 89       | 2.5      | 0.05     |
| 11CB0875A | 34.7     | 0.12     | 0.27     | 0.1      | 21      | 0.43       | 0.078      | 15.4     | 14.6     | 0.21      | 208.7    | 0.026      | 1       | 0.8        | 0.01       | 0.04      | 0.049   | 77       | 1.7      | 0.06     |
| 11CB0876A | 22.3     | 0.09     | 0.26     | 0.15     | 25      | 0.26       | 0.074      | 18.3     | 18.6     | 0.25      | 198.7    | 0.028      | 0.49    | 1.04       | 0.008      | 0.05      | 0.1     | 67       | 1.7      | 0.08     |
| 11CB0877A | 33.7     | 0.15     | 0.25     | 0.06     | 16      | 0.37       | 0.132      | 25.5     | 7.8      | 0.08      | 269.3    | 0.014      | 1       | 0.49       | 0.015      | 0.05      | 0.3     | 90       | 1.5      | 0.03     |
| 11CB0878A | 32.2     | 0.18     | 0.24     | 0.13     | 28      | 0.44       | 0.065      | 34.9     | 16.9     | 0.24      | 230.8    | 0.027      | 2       | 0.96       | 0.011      | 0.04      | 0.1     | 62       | 2        | 0.05     |
| 11CB0879A | 58.8     | 0.24     | 0.42     | 0.04     | 10      | 0.62       | 0.131      | 61.7     | 7.1      | 0.1       | 393.4    | 0.015      | 2       | 0.59       | 0.012      | 0.05      | 0.049   | 149      | 2.6      | 0.03     |
| 11CB0880A | 48.9     | 1.82     | 0.39     | 0.17     | 22      | 0.54       | 0.095      | 34.5     | 12.4     | 0.12      | 778.4    | 0.021      | 2       | 0.75       | 0.016      | 0.07      | 0.049   | 93       | 1        | 0.07     |
| 11DS0879A | 37.5     | 1.62     | 0.16     | 0.12     | 12      | 0.57       | 0.09       | 6.6      | 6.8      | 0.09      | 349.4    | 0.003      | 2       | 0.4        | 0.012      | 0.05      | 0.049   | 104      | 0.3      | 0.0099   |
| 11DS0879A | 37.5     | 1.62     | 0.16     | 0.12     | 12      | 0.57       | 0.09       | 6.6      | 6.8      | 0.09      | 349.4    | 0.003      | 2       | 0.4        | 0.012      | 0.05      | 0.049   | 104      | 0.3      | 0.0099   |
| 11DS0880A | 65.9     | 0.29     | 0.26     | 0.05     | 7       | 1.3        | 0.076      | 11.6     | 6.3      | 0.13      | 609      | 0.009      | 4       | 0.27       | 0.013      | 0.02      | 0.049   | 89       | 1        | 0.0099   |
| 11DS0880A | 65.9     | 0.29     | 0.26     | 0.05     | 7       | 1.3        | 0.076      | 11.6     | 6.3      | 0.13      | 609      | 0.009      | 4       | 0.27       | 0.013      | 0.02      | 0.049   | 89       | 1        | 0.0099   |
| 11DS0882A | 59.6     | 0.46     | 0.44     | 0.3      | 30      | 1.08       | 0.083      | 33.2     | 22.4     | 0.38      | 530.6    | 0.019      | 2       | 1.34       | 0.013      | 0.04      | 0.049   | 87       | 2.7      | 0.1      |
| 11DS0882A | 59.6     | 0.46     | 0.44     | 0.3      | 30      | 1.08       | 0.083      | 33.2     | 22.4     | 0.38      | 530.6    | 0.019      | 2       | 1.34       | 0.013      | 0.04      | 0.049   | 87       | 2.7      | 0.1      |
| 11DS0883A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0883A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0884A | 101.3    | 0.89     | 0.29     | 0.11     | 13      | 1.94       | 0.098      | 41.5     | 11.4     | 0.28      | 432      | 0.014      | 3       | 0.63       | 0.013      | 0.03      | 0.049   | 111      | 2        | 0.04     |
| 11DS0884A | 101.3    | 0.89     | 0.29     | 0.11     | 13      | 1.94       | 0.098      | 41.5     | 11.4     | 0.28      | 432      | 0.014      | 3       | 0.63       | 0.013      | 0.03      | 0.049   | 111      | 2        | 0.04     |
| 11DS0885A | 74.6     | 0.38     | 0.59     | 0.18     | 16      | 1.33       | 0.098      | 28.7     | 17.4     | 0.21      | 614.8    | 0.022      | 2       | 0.73       | 0.021      | 0.06      | 0.049   | 138      | 1.8      | 0.06     |
| 11DS0885A | 74.6     | 0.38     | 0.59     | 0.18     | 16      | 1.33       | 0.098      | 28.7     | 17.4     | 0.21      | 614.8    | 0.022      | 2       | 0.73       | 0.021      | 0.06      | 0.049   | 138      | 1.8      | 0.06     |
| 11DS0886A | 79.5     | 0.78     | 0.25     | 0.18     | 21      | 1.82       | 0.08       | 31.6     | 13.5     | 0.32      | 528.1    | 0.025      | 4       | 0.76       | 0.013      | 0.06      | 0.049   | 105      | 1.9      | 0.07     |
| 11DS0886A | 79.5     | 0.78     | 0.25     | 0.18     | 21      | 1.82       | 0.08       | 31.6     | 13.5     | 0.32      | 528.1    | 0.025      | 4       | 0.76       | 0.013      | 0.06      | 0.049   | 105      | 1.9      | 0.07     |
| 11DS0887A | 42.9     | 0.95     | 0.18     | 0.28     | 10      | 0.68       | 0.084      | 30.5     | 7.3      | 0.08      | 450.4    | 0.005      | 2       | 0.36       | 0.013      | 0.04      | 0.049   | 106      | 0.5      | 0.02     |
| 11DS0887A | 42.9     | 0.95     | 0.18     | 0.28     | 10      | 0.68       | 0.084      | 30.5     | 7.3      | 0.08      | 450.4    | 0.005      | 2       | 0.36       | 0.013      | 0.04      | 0.049   | 106      | 0.5      | 0.02     |
| 11DS0888A | 34.6     | 1.61     | 0.18     | 0.12     | 18      | 0.45       | 0.061      | 9.8      | 7.6      | 0.08      | 441.6    | 0.009      | 0.49    | 0.37       | 0.013      | 0.07      | 0.049   | 72       | 0.4      | 0.02     |
| 11DS0888A | 34.6     | 1.61     | 0.18     | 0.12     | 18      | 0.45       | 0.061      | 9.8      | 7.6      | 0.08      | 441.6    | 0.009      | 0.49    | 0.37       | 0.013      | 0.07      | 0.049   | 72       | 0.4      | 0.02     |
| 11DS0889A | 83.4     | 0.59     | 0.37     | 0.19     | 25      | 2.2        | 0.074      | 111.1    | 21.4     | 0.31      | 641.7    | 0.019      | 3       | 1.21       | 0.011      | 0.04      | 0.049   | 130      | 3.2      | 0.05     |
| 11DS0889A | 83.4     | 0.59     | 0.37     | 0.19     | 25      | 2.2        | 0.074      | 111.1    | 21.4     | 0.31      | 641.7    | 0.019      | 3       | 1.21       | 0.011      | 0.04      | 0.049   | 130      | 3.2      | 0.05     |
| 11DS0890A | 70.2     | 3.03     | 0.23     | 0.16     | 19      | 1.5        | 0.113      | 49.2     | 12.6     | 0.24      | 436.5    | 0.014      | 2       | 0.77       | 0.013      | 0.09      | 0.049   | 87       | 1.1      | 0.03     |
| 11DS0890A | 70.2     | 3.03     | 0.23     | 0.16     | 19      | 1.5        | 0.113      | 49.2     | 12.6     | 0.24      | 436.5    | 0.014      | 2       | 0.77       | 0.013      | 0.09      | 0.049   | 87       | 1.1      | 0.03     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS0891A | 98.8     | 0.64     | 0.44     | 0.2      | 21      | 2.8        | 0.111      | 64.1     | 16.7     | 0.27      | 440.4    | 0.019      | 4       | 1.34       | 0.009      | 0.05      | 0.049   | 133      | 2.4      | 0.06     |
| 11DS0891A | 98.8     | 0.64     | 0.44     | 0.2      | 21      | 2.8        | 0.111      | 64.1     | 16.7     | 0.27      | 440.4    | 0.019      | 4       | 1.34       | 0.009      | 0.05      | 0.049   | 133      | 2.4      | 0.06     |
| 11DS0892A | 47.5     | 0.75     | 0.23     | 0.09     | 12      | 0.58       | 0.107      | 22       | 7.2      | 0.1       | 281.1    | 0.011      | 2       | 0.7        | 0.012      | 0.06      | 0.049   | 115      | 0.7      | 0.03     |
| 11DS0892A | 47.5     | 0.75     | 0.23     | 0.09     | 12      | 0.58       | 0.107      | 22       | 7.2      | 0.1       | 281.1    | 0.011      | 2       | 0.7        | 0.012      | 0.06      | 0.049   | 115      | 0.7      | 0.03     |
| 11DS0893A | 43.7     | 1.05     | 0.23     | 0.1      | 15      | 0.44       | 0.162      | 23.9     | 11       | 0.11      | 402.1    | 0.005      | 0.49    | 0.82       | 0.014      | 0.06      | 0.049   | 138      | 0.3      | 0.03     |
| 11DS0893A | 43.7     | 1.05     | 0.23     | 0.1      | 15      | 0.44       | 0.162      | 23.9     | 11       | 0.11      | 402.1    | 0.005      | 0.49    | 0.82       | 0.014      | 0.06      | 0.049   | 138      | 0.3      | 0.03     |
| 11DS0894A | 51.4     | 0.29     | 0.36     | 0.12     | 20      | 0.72       | 0.082      | 21.7     | 17       | 0.22      | 285.5    | 0.027      | 2       | 1.03       | 0.015      | 0.05      | 0.1     | 99       | 2.5      | 0.06     |
| 11DS0894A | 51.4     | 0.29     | 0.36     | 0.12     | 20      | 0.72       | 0.082      | 21.7     | 17       | 0.22      | 285.5    | 0.027      | 2       | 1.03       | 0.015      | 0.05      | 0.1     | 99       | 2.5      | 0.06     |
| 11DS0896A | 36.3     | 0.25     | 0.28     | 0.1      | 14      | 0.42       | 0.1        | 19.8     | 10.3     | 0.14      | 244.6    | 0.026      | 2       | 0.73       | 0.01       | 0.03      | 0.049   | 105      | 2.4      | 0.04     |
| 11DS0896A | 36.3     | 0.25     | 0.28     | 0.1      | 14      | 0.42       | 0.1        | 19.8     | 10.3     | 0.14      | 244.6    | 0.026      | 2       | 0.73       | 0.01       | 0.03      | 0.049   | 105      | 2.4      | 0.04     |
| 11DS0897A | 34       | 0.24     | 0.31     | 0.09     | 14      | 0.39       | 0.121      | 18.2     | 12       | 0.14      | 224.5    | 0.018      | 2       | 0.71       | 0.013      | 0.04      | 0.2     | 97       | 1.4      | 0.05     |
| 11DS0897A | 34       | 0.24     | 0.31     | 0.09     | 14      | 0.39       | 0.121      | 18.2     | 12       | 0.14      | 224.5    | 0.018      | 2       | 0.71       | 0.013      | 0.04      | 0.2     | 97       | 1.4      | 0.05     |
| 11DS0898A | 29.2     | 0.34     | 0.32     | 0.1      | 19      | 0.32       | 0.111      | 18.6     | 12.2     | 0.18      | 262      | 0.025      | 2       | 0.79       | 0.013      | 0.04      | 0.049   | 84       | 1.6      | 0.04     |
| 11DS0898A | 29.2     | 0.34     | 0.32     | 0.1      | 19      | 0.32       | 0.111      | 18.6     | 12.2     | 0.18      | 262      | 0.025      | 2       | 0.79       | 0.013      | 0.04      | 0.049   | 84       | 1.6      | 0.04     |
| 11TB0914A | 35.3     | 1.14     | 0.29     | 0.13     | 29      | 0.4        | 0.047      | 8.8      | 12.7     | 0.09      | 266.5    | 0.013      | 1       | 0.51       | 0.014      | 0.08      | 0.049   | 26       | 0.4      | 0.03     |
| 11TB0914A | 35.3     | 1.14     | 0.29     | 0.13     | 29      | 0.4        | 0.047      | 8.8      | 12.7     | 0.09      | 266.5    | 0.013      | 1       | 0.51       | 0.014      | 0.08      | 0.049   | 26       | 0.4      | 0.03     |
| 11TB0915A | 48.3     | 1.06     | 0.18     | 0.08     | 13      | 0.67       | 0.099      | 11.3     | 9.1      | 0.13      | 363.7    | 0.016      | 2       | 0.46       | 0.014      | 0.09      | 0.049   | 128      | 0.5      | 0.05     |
| 11TB0915A | 48.3     | 1.06     | 0.18     | 0.08     | 13      | 0.67       | 0.099      | 11.3     | 9.1      | 0.13      | 363.7    | 0.016      | 2       | 0.46       | 0.014      | 0.09      | 0.049   | 128      | 0.5      | 0.05     |
| 11TB0916A | 44.4     | 2.17     | 0.32     | 0.21     | 33      | 0.47       | 0.076      | 39.3     | 15.7     | 0.19      | 384.9    | 0.04       | 2       | 1.08       | 0.015      | 0.09      | 0.049   | 69       | 2.7      | 0.07     |
| 11TB0916A | 44.4     | 2.17     | 0.32     | 0.21     | 33      | 0.47       | 0.076      | 39.3     | 15.7     | 0.19      | 384.9    | 0.04       | 2       | 1.08       | 0.015      | 0.09      | 0.049   | 69       | 2.7      | 0.07     |
| 11TB0917A | 30.7     | 0.66     | 0.37     | 0.22     | 42      | 0.35       | 0.065      | 36       | 22.8     | 0.31      | 490.8    | 0.045      | 2       | 1.54       | 0.016      | 0.11      | 0.1     | 58       | 2.6      | 0.14     |
| 11TB0917A | 30.7     | 0.66     | 0.37     | 0.22     | 42      | 0.35       | 0.065      | 36       | 22.8     | 0.31      | 490.8    | 0.045      | 2       | 1.54       | 0.016      | 0.11      | 0.1     | 58       | 2.6      | 0.14     |
| 11TB0918A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0918A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0920A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0920A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0922A | 37.1     | 1.09     | 0.3      | 0.2      | 26      | 0.37       | 0.105      | 59.2     | 19.3     | 0.2       | 731.5    | 0.024      | 0.49    | 1.28       | 0.011      | 0.09      | 0.1     | 93       | 1.6      | 0.07     |
| 11TB0922A | 37.1     | 1.09     | 0.3      | 0.2      | 26      | 0.37       | 0.105      | 59.2     | 19.3     | 0.2       | 731.5    | 0.024      | 0.49    | 1.28       | 0.011      | 0.09      | 0.1     | 93       | 1.6      | 0.07     |
| 11TB0923A | 31.4     | 1.47     | 0.41     | 0.22     | 40      | 0.38       | 0.072      | 55.3     | 16.8     | 0.23      | 484.7    | 0.029      | 0.49    | 1.1        | 0.017      | 0.08      | 0.049   | 39       | 2        | 0.06     |
| 11TB0923A | 31.4     | 1.47     | 0.41     | 0.22     | 40      | 0.38       | 0.072      | 55.3     | 16.8     | 0.23      | 484.7    | 0.029      | 0.49    | 1.1        | 0.017      | 0.08      | 0.049   | 39       | 2        | 0.06     |
| 11TB0924A | 24.3     | 0.44     | 0.23     | 0.11     | 17      | 0.15       | 0.074      | 5.8      | 10.6     | 0.08      | 216.6    | 0.009      | 1       | 0.49       | 0.011      | 0.06      | 0.049   | 73       | 0.3      | 0.05     |
| 11TB0924A | 24.3     | 0.44     | 0.23     | 0.11     | 17      | 0.15       | 0.074      | 5.8      | 10.6     | 0.08      | 216.6    | 0.009      | 1       | 0.49       | 0.011      | 0.06      | 0.049   | 73       | 0.3      | 0.05     |
| 11TB0925A | 61       | 2.15     | 0.27     | 0.11     | 19      | 0.74       | 0.107      | 6.5      | 11.4     | 0.15      | 426.9    | 0.004      | 0.49    | 0.47       | 0.015      | 0.08      | 0.049   | 82       | 0.2      | 0.04     |
| 11TB0925A | 61       | 2.15     | 0.27     | 0.11     | 19      | 0.74       | 0.107      | 6.5      | 11.4     | 0.15      | 426.9    | 0.004      | 0.49    | 0.47       | 0.015      | 0.08      | 0.049   | 82       | 0.2      | 0.04     |
| 11TB0926A | 25.4     | 0.81     | 0.24     | 0.09     | 17      | 0.21       | 0.096      | 4.8      | 9.9      | 0.07      | 256.7    | 0.005      | 0.49    | 0.37       | 0.014      | 0.08      | 0.049   | 114      | 0.2      | 0.04     |
| 11TB0926A | 25.4     | 0.81     | 0.24     | 0.09     | 17      | 0.21       | 0.096      | 4.8      | 9.9      | 0.07      | 256.7    | 0.005      | 0.49    | 0.37       | 0.014      | 0.08      | 0.049   | 114      | 0.2      | 0.04     |
| 11TB0927A | 19       | 0.65     | 0.33     | 0.11     | 22      | 0.18       | 0.068      | 8        | 10       | 0.1       | 229.6    | 0.017      | 1       | 0.52       | 0.014      | 0.06      | 0.1     | 68       | 0.6      | 0.05     |
| 11TB0927A | 19       | 0.65     | 0.33     | 0.11     | 22      | 0.18       | 0.068      | 8        | 10       | 0.1       | 229.6    | 0.017      | 1       | 0.52       | 0.014      | 0.06      | 0.1     | 68       | 0.6      | 0.05     |
| 11TB0928A | 15.6     | 0.68     | 0.3      | 0.15     | 29      | 0.13       | 0.046      | 43.4     | 13.6     | 0.08      | 245.1    | 0.018      | 0.49    | 0.54       | 0.016      | 0.06      | 0.049   | 31       | 0.7      | 0.05     |
| 11TB0928A | 15.6     | 0.68     | 0.3      | 0.15     | 29      | 0.13       | 0.046      | 43.4     | 13.6     | 0.08      | 245.1    | 0.018      | 0.49    | 0.54       | 0.016      | 0.06      | 0.049   | 31       | 0.7      | 0.05     |
| 11TB0929A | 38.3     | 0.26     | 0.27     | 0.15     | 18      | 0.4        | 0.087      | 57.5     | 20.7     | 0.27      | 420.4    | 0.026      | 0.49    | 1.47       | 0.009      | 0.05      | 0.049   | 66       | 3.3      | 0.11     |
| 11TB0929A | 38.3     | 0.26     | 0.27     | 0.15     | 18      | 0.4        | 0.087      | 57.5     | 20.7     | 0.27      | 420.4    | 0.026      | 0.49    | 1.47       | 0.009      | 0.05      | 0.049   | 66       | 3.3      | 0.11     |
| 11TB0930A | 32.9     | 0.25     | 0.34     | 0.15     | 30      | 0.36       | 0.114      | 24.3     | 18.6     | 0.27      | 309      | 0.025      | 1       | 1.13       | 0.01       | 0.05      | 0.1     | 89       | 2.1      | 0.08     |
| 11TB0930A | 32.9     | 0.25     | 0.34     | 0.15     | 30      | 0.36       | 0.114      | 24.3     | 18.6     | 0.27      | 309      | 0.025      | 1       | 1.13       | 0.01       | 0.05      | 0.1     | 89       | 2.1      | 0.08     |
| 11TB0931A | 25.5     | 0.13     | 0.26     | 0.1      | 21      | 0.29       | 0.098      | 17.6     | 14.8     | 0.15      | 203.5    | 0.015      | 0.49    | 0.71       | 0.01       | 0.04      | 0.049   | 88       | 1.1      | 0.06     |
| 11TB0931A | 25.5     | 0.13     | 0.26     | 0.1      | 21      | 0.29       | 0.098      | 17.6     | 14.8     | 0.15      | 203.5    | 0.015      | 0.49    | 0.71       | 0.01       | 0.04      | 0.049   | 88       | 1.1      | 0.06     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB0932A | 22.7     | 0.13     | 0.2      | 0.11     | 20      | 0.27       | 0.048      | 14.3     | 20.2     | 0.28      | 152.1    | 0.034      | 0.49    | 1.05       | 0.01       | 0.04      | 0.1     | 40       | 2.2      | 0.09     |
| 11TB0932A | 22.7     | 0.13     | 0.2      | 0.11     | 20      | 0.27       | 0.048      | 14.3     | 20.2     | 0.28      | 152.1    | 0.034      | 0.49    | 1.05       | 0.01       | 0.04      | 0.1     | 40       | 2.2      | 0.09     |
| 11AN0188A | 17.2     | 0.1      | 0.2      | 0.13     | 24      | 0.18       | 0.042      | 12.7     | 19.1     | 0.24      | 128.4    | 0.034      | 0.49    | 1.15       | 0.008      | 0.05      | 0.1     | 54       | 1.7      | 0.08     |
| 11AN0189A | 19.5     | 0.14     | 0.24     | 0.14     | 27      | 0.2        | 0.055      | 19.5     | 21.7     | 0.25      | 166.2    | 0.032      | 0.49    | 1.32       | 0.008      | 0.04      | 0.1     | 84       | 2        | 0.07     |
| 11AN0190A | 24.7     | 0.24     | 0.34     | 0.18     | 35      | 0.24       | 0.073      | 29       | 27.3     | 0.26      | 258.5    | 0.035      | 0.49    | 1.72       | 0.008      | 0.06      | 0.2     | 122      | 3.2      | 0.07     |
| 11AN0191A | 45.1     | 0.35     | 0.4      | 0.09     | 14      | 0.53       | 0.11       | 50.6     | 14.1     | 0.12      | 350.3    | 0.017      | 2       | 0.73       | 0.014      | 0.04      | 0.049   | 137      | 1.9      | 0.03     |
| 11AN0192A | 28.8     | 0.19     | 0.45     | 0.2      | 45      | 0.27       | 0.066      | 54.3     | 28.3     | 0.28      | 344      | 0.043      | 0.49    | 2.1        | 0.008      | 0.06      | 0.2     | 93       | 3.8      | 0.08     |
| 11AN0193A | 42.5     | 0.64     | 0.43     | 0.21     | 33      | 0.45       | 0.108      | 69.6     | 23.8     | 0.24      | 394.5    | 0.023      | 0.49    | 1.82       | 0.01       | 0.05      | 0.1     | 210      | 5.2      | 0.06     |
| 11AN0194A | 27.4     | 1.13     | 0.29     | 0.17     | 28      | 0.24       | 0.101      | 30.5     | 22       | 0.21      | 391.3    | 0.032      | 0.49    | 1.22       | 0.009      | 0.09      | 0.1     | 90       | 2.2      | 0.07     |
| 11AN0195A | 29.3     | 0.67     | 0.2      | 0.18     | 23      | 0.24       | 0.053      | 34.4     | 17.4     | 0.13      | 307.4    | 0.017      | 0.49    | 1.12       | 0.012      | 0.04      | 0.049   | 74       | 1        | 0.05     |
| 11AN0196A | 32.2     | 0.42     | 0.24     | 0.22     | 27      | 0.29       | 0.063      | 35.3     | 19       | 0.2       | 318.6    | 0.028      | 0.49    | 1.42       | 0.009      | 0.05      | 0.049   | 152      | 3.3      | 0.09     |
| 11AN0197A | 23       | 0.61     | 0.28     | 0.18     | 33      | 0.25       | 0.056      | 12.5     | 15.5     | 0.16      | 169.7    | 0.024      | 0.49    | 0.91       | 0.008      | 0.07      | 0.1     | 59       | 0.9      | 0.05     |
| 11AN0198A | 25.3     | 0.52     | 0.28     | 0.21     | 32      | 0.22       | 0.061      | 22.1     | 18.3     | 0.23      | 209.8    | 0.026      | 0.49    | 1.3        | 0.008      | 0.06      | 0.1     | 80       | 1.7      | 0.07     |
| 11AN0199A | 40.8     | 0.76     | 0.47     | 0.26     | 33      | 0.34       | 0.087      | 52.2     | 20.9     | 0.21      | 389.2    | 0.018      | 1       | 1.72       | 0.011      | 0.06      | 0.1     | 145      | 2.3      | 0.06     |
| 11AN0200A | 37.6     | 0.47     | 0.52     | 0.64     | 15      | 0.35       | 0.093      | 25.6     | 15.6     | 0.17      | 279.5    | 0.012      | 2       | 0.82       | 0.015      | 0.04      | 0.1     | 136      | 1.6      | 0.05     |
| 11AN0202A | 26.1     | 0.24     | 0.29     | 0.17     | 35      | 0.24       | 0.077      | 17.4     | 23.5     | 0.4       | 171.6    | 0.037      | 2       | 1.47       | 0.013      | 0.06      | 0.1     | 89       | 2.4      | 0.1      |
| 11AN0203A | 55.9     | 0.27     | 0.34     | 0.09     | 13      | 0.55       | 0.096      | 27.3     | 12       | 0.12      | 333.8    | 0.014      | 2       | 0.69       | 0.014      | 0.04      | 0.049   | 102      | 2.4      | 0.04     |
| 11AN0204A | 41.8     | 0.18     | 0.28     | 0.12     | 55      | 0.36       | 0.037      | 5.7      | 21.9     | 0.43      | 306.7    | 0.059      | 0.49    | 1.52       | 0.011      | 0.09      | 0.049   | 32       | 2.3      | 0.08     |
| 11AN0205A | 95.1     | 0.19     | 0.2      | 0.09     | 57      | 1.04       | 0.085      | 4.3      | 16.8     | 0.68      | 353.9    | 0.077      | 2       | 1.89       | 0.018      | 0.12      | 0.049   | 38       | 2.6      | 0.05     |
| 11AN0206A | 62.8     | 0.21     | 0.3      | 0.12     | 57      | 0.59       | 0.066      | 5.9      | 25.4     | 0.5       | 438.4    | 0.066      | 1       | 1.69       | 0.01       | 0.08      | 0.1     | 33       | 2.4      | 0.11     |
| 11AN0207A | 10.5     | 0.15     | 0.32     | 0.19     | 56      | 0.09       | 0.05       | 8.4      | 18.6     | 0.2       | 112      | 0.048      | 0.49    | 1.08       | 0.006      | 0.03      | 0.1     | 10       | 1.4      | 0.08     |
| 11AN0208A | 30.3     | 0.15     | 0.19     | 0.11     | 33      | 0.18       | 0.059      | 5.5      | 13.1     | 0.21      | 135.2    | 0.007      | 0.49    | 0.88       | 0.01       | 0.04      | 0.049   | 43       | 0.2      | 0.04     |
| 11CB0882A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB0883A | 51.5     | 0.44     | 0.34     | 0.1      | 15      | 0.62       | 0.115      | 88       | 10       | 0.12      | 423.1    | 0.027      | 3       | 0.85       | 0.015      | 0.05      | 0.049   | 99       | 3.1      | 0.04     |
| 11CB0884A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB0885A | 44.8     | 0.37     | 0.36     | 0.1      | 13      | 0.49       | 0.12       | 51.2     | 10.4     | 0.1       | 355.9    | 0.018      | 3       | 0.77       | 0.013      | 0.04      | 0.049   | 152      | 1.7      | 0.03     |
| 11CB0886A | 29.1     | 0.26     | 0.43     | 0.19     | 39      | 0.3        | 0.07       | 48.1     | 24.1     | 0.23      | 276.7    | 0.042      | 2       | 1.57       | 0.011      | 0.05      | 0.1     | 87       | 2.8      | 0.07     |
| 11CB0887A | 35.1     | 0.33     | 0.32     | 0.13     | 20      | 0.34       | 0.092      | 59       | 18.3     | 0.17      | 330.4    | 0.024      | 1       | 1.16       | 0.011      | 0.05      | 0.049   | 127      | 1.9      | 0.06     |
| 11CB0888A | 33.2     | 0.36     | 0.3      | 0.16     | 25      | 0.32       | 0.072      | 36.9     | 18.2     | 0.22      | 338.6    | 0.029      | 1       | 1.31       | 0.01       | 0.05      | 0.1     | 99       | 2.5      | 0.08     |
| 11CB0889A | 31.7     | 0.34     | 0.29     | 0.16     | 30      | 0.33       | 0.096      | 45.4     | 23.7     | 0.26      | 331.5    | 0.03       | 2       | 1.41       | 0.009      | 0.06      | 0.1     | 87       | 2.2      | 0.07     |
| 11CB0890A | 38.9     | 0.34     | 0.28     | 0.13     | 22      | 0.39       | 0.095      | 58.4     | 19.3     | 0.21      | 382      | 0.029      | 2       | 1.31       | 0.012      | 0.05      | 0.1     | 120      | 3        | 0.07     |
| 11CB0891A | 43.4     | 1.44     | 0.32     | 0.13     | 24      | 0.47       | 0.15       | 51.7     | 16       | 0.17      | 465.7    | 0.011      | 3       | 1.07       | 0.02       | 0.05      | 0.049   | 82       | 0.6      | 0.04     |
| 11CB0892A | 44.8     | 0.21     | 0.37     | 0.08     | 17      | 0.41       | 0.089      | 42.4     | 10.9     | 0.14      | 368      | 0.02       | 2       | 0.9        | 0.016      | 0.06      | 0.1     | 116      | 2        | 0.05     |
| 11CB0893A | 105.4    | 0.13     | 0.31     | 0.03     | 14      | 3.88       | 0.088      | 1.6      | 4.6      | 0.23      | 246.5    | 0.008      | 10      | 0.24       | 0.014      | 0.02      | 0.049   | 108      | 1.3      | 0.03     |
| 11CB0894A | 94.8     | 0.07     | 0.34     | 0.02     | 13      | 3.47       | 0.08       | 1.4      | 3.5      | 0.2       | 225.6    | 0.006      | 8       | 0.2        | 0.015      | 0.02      | 0.049   | 91       | 1.2      | 0.03     |
| 11CB0895A | 129.7    | 0.69     | 0.15     | 0.05     | 9       | 1.34       | 0.128      | 1.6      | 6        | 0.18      | 597      | 0.017      | 4       | 0.36       | 0.014      | 0.15      | 0.049   | 148      | 0.6      | 0.05     |
| 11CB0896A | 31.4     | 0.32     | 0.18     | 0.11     | 23      | 0.14       | 0.047      | 4.1      | 8.8      | 0.08      | 248.9    | 0.021      | 0.49    | 0.42       | 0.012      | 0.05      | 0.049   | 67       | 0.6      | 0.05     |
| 11CB0897A | 20.4     | 0.35     | 0.2      | 0.15     | 25      | 0.06       | 0.06       | 4.9      | 11       | 0.05      | 121.1    | 0.01       | 0.49    | 0.66       | 0.012      | 0.03      | 0.049   | 74       | 0.3      | 0.03     |
| 11CB0898A | 18.6     | 0.31     | 0.18     | 0.16     | 28      | 0.07       | 0.056      | 5.5      | 10.8     | 0.06      | 104.9    | 0.017      | 0.49    | 0.67       | 0.01       | 0.03      | 0.049   | 49       | 0.4      | 0.03     |
| 11CB0899A | 20.1     | 0.26     | 0.18     | 0.14     | 25      | 0.06       | 0.066      | 4.9      | 11.2     | 0.06      | 116.7    | 0.012      | 0.49    | 0.64       | 0.012      | 0.03      | 0.049   | 84       | 0.3      | 0.03     |
| 11CB0900A | 20.1     | 0.25     | 0.16     | 0.14     | 27      | 0.07       | 0.062      | 4.9      | 10.7     | 0.08      | 112      | 0.014      | 0.49    | 0.69       | 0.011      | 0.03      | 0.049   | 77       | 0.4      | 0.04     |
| 11DS0899A | 21.6     | 0.25     | 0.21     | 0.12     | 21      | 0.2        | 0.07       | 13.3     | 13.8     | 0.15      | 141.5    | 0.026      | 1       | 0.76       | 0.01       | 0.04      | 0.1     | 73       | 1.1      | 0.06     |
| 11DS0899A | 21.6     | 0.25     | 0.21     | 0.12     | 21      | 0.2        | 0.07       | 13.3     | 13.8     | 0.15      | 141.5    | 0.026      | 1       | 0.76       | 0.01       | 0.04      | 0.1     | 73       | 1.1      | 0.06     |
| 11DS0900A | 49.6     | 0.21     | 0.46     | 0.07     | 9       | 0.54       | 0.102      | 49.2     | 8.2      | 0.09      | 380.4    | 0.021      | 2       | 0.75       | 0.011      | 0.03      | 0.049   | 106      | 1.7      | 0.02     |
| 11DS0900A | 49.6     | 0.21     | 0.46     | 0.07     | 9       | 0.54       | 0.102      | 49.2     | 8.2      | 0.09      | 380.4    | 0.021      | 2       | 0.75       | 0.011      | 0.03      | 0.049   | 106      | 1.7      | 0.02     |
| 11DS0902A | 28.4     | 0.46     | 0.26     | 0.12     | 20      | 0.23       | 0.092      | 33.7     | 15.8     | 0.13      | 271.7    | 0.019      | 1       | 1.1        | 0.011      | 0.05      | 0.049   | 119      | 1.4      | 0.04     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS0902A | 28.4     | 0.46     | 0.26     | 0.12     | 20      | 0.23       | 0.092      | 33.7     | 15.8     | 0.13      | 271.7    | 0.019      | 1       | 1.1        | 0.011      | 0.05      | 0.049   | 119      | 1.4      | 0.04     |
| 11DS0903A | 35.4     | 0.21     | 0.36     | 0.13     | 25      | 0.39       | 0.095      | 31.5     | 23.4     | 0.24      | 279.3    | 0.036      | 1       | 1.61       | 0.013      | 0.05      | 0.1     | 105      | 3.3      | 0.07     |
| 11DS0903A | 35.4     | 0.21     | 0.36     | 0.13     | 25      | 0.39       | 0.095      | 31.5     | 23.4     | 0.24      | 279.3    | 0.036      | 1       | 1.61       | 0.013      | 0.05      | 0.1     | 105      | 3.3      | 0.07     |
| 11DS0904A | 37.8     | 0.42     | 0.44     | 0.17     | 36      | 0.35       | 0.11       | 31.7     | 28.8     | 0.19      | 290.5    | 0.034      | 2       | 1.89       | 0.013      | 0.08      | 0.2     | 130      | 3.2      | 0.06     |
| 11DS0904A | 37.8     | 0.42     | 0.44     | 0.17     | 36      | 0.35       | 0.11       | 31.7     | 28.8     | 0.19      | 290.5    | 0.034      | 2       | 1.89       | 0.013      | 0.08      | 0.2     | 130      | 3.2      | 0.06     |
| 11DS0905A | 49.4     | 0.83     | 0.31     | 0.08     | 15      | 0.49       | 0.121      | 33.9     | 10.6     | 0.11      | 342      | 0.013      | 2       | 0.73       | 0.012      | 0.06      | 0.049   | 104      | 0.9      | 0.03     |
| 11DS0905A | 49.4     | 0.83     | 0.31     | 0.08     | 15      | 0.49       | 0.121      | 33.9     | 10.6     | 0.11      | 342      | 0.013      | 2       | 0.73       | 0.012      | 0.06      | 0.049   | 104      | 0.9      | 0.03     |
| 11DS0906A | 35       | 0.34     | 0.37     | 0.11     | 21      | 0.32       | 0.103      | 37.8     | 18.1     | 0.17      | 304.7    | 0.028      | 2       | 1.22       | 0.013      | 0.05      | 0.1     | 112      | 2.7      | 0.07     |
| 11DS0906A | 35       | 0.34     | 0.37     | 0.11     | 21      | 0.32       | 0.103      | 37.8     | 18.1     | 0.17      | 304.7    | 0.028      | 2       | 1.22       | 0.013      | 0.05      | 0.1     | 112      | 2.7      | 0.07     |
| 11DS0907A | 42.1     | 1.68     | 0.37     | 0.13     | 23      | 0.42       | 0.116      | 41.3     | 15.3     | 0.18      | 355.9    | 0.014      | 1       | 1.04       | 0.013      | 0.05      | 0.049   | 138      | 1.3      | 0.04     |
| 11DS0907A | 42.1     | 1.68     | 0.37     | 0.13     | 23      | 0.42       | 0.116      | 41.3     | 15.3     | 0.18      | 355.9    | 0.014      | 1       | 1.04       | 0.013      | 0.05      | 0.049   | 138      | 1.3      | 0.04     |
| 11DS0908A | 50.9     | 0.74     | 0.42     | 0.11     | 16      | 0.49       | 0.123      | 26.5     | 13.3     | 0.16      | 332.7    | 0.016      | 2       | 0.84       | 0.014      | 0.04      | 0.049   | 140      | 1.9      | 0.04     |
| 11DS0908A | 50.9     | 0.74     | 0.42     | 0.11     | 16      | 0.49       | 0.123      | 26.5     | 13.3     | 0.16      | 332.7    | 0.016      | 2       | 0.84       | 0.014      | 0.04      | 0.049   | 140      | 1.9      | 0.04     |
| 11DS0909A | 83.2     | 0.98     | 0.66     | 0.09     | 14      | 0.88       | 0.11       | 58.9     | 12.4     | 0.2       | 462.6    | 0.018      | 2       | 1.07       | 0.013      | 0.04      | 0.049   | 147      | 4.4      | 0.05     |
| 11DS0909A | 83.2     | 0.98     | 0.66     | 0.09     | 14      | 0.88       | 0.11       | 58.9     | 12.4     | 0.2       | 462.6    | 0.018      | 2       | 1.07       | 0.013      | 0.04      | 0.049   | 147      | 4.4      | 0.05     |
| 11DS0910A | 89.2     | 0.46     | 0.57     | 0.18     | 34      | 0.99       | 0.098      | 41.7     | 19.6     | 0.31      | 477.5    | 0.038      | 3       | 1.45       | 0.015      | 0.06      | 0.049   | 132      | 5.2      | 0.09     |
| 11DS0910A | 89.2     | 0.46     | 0.57     | 0.18     | 34      | 0.99       | 0.098      | 41.7     | 19.6     | 0.31      | 477.5    | 0.038      | 3       | 1.45       | 0.015      | 0.06      | 0.049   | 132      | 5.2      | 0.09     |
| 11DS0911A | 51.9     | 0.51     | 0.33     | 0.13     | 18      | 0.51       | 0.124      | 24.6     | 19.3     | 0.18      | 310.8    | 0.017      | 1       | 0.96       | 0.014      | 0.04      | 0.1     | 139      | 2.6      | 0.06     |
| 11DS0911A | 51.9     | 0.51     | 0.33     | 0.13     | 18      | 0.51       | 0.124      | 24.6     | 19.3     | 0.18      | 310.8    | 0.017      | 1       | 0.96       | 0.014      | 0.04      | 0.1     | 139      | 2.6      | 0.06     |
| 11DS0912A | 37.4     | 0.5      | 0.27     | 0.14     | 22      | 0.35       | 0.073      | 18       | 14.3     | 0.19      | 231.7    | 0.022      | 0.49    | 0.96       | 0.012      | 0.05      | 0.049   | 83       | 1.3      | 0.05     |
| 11DS0912A | 37.4     | 0.5      | 0.27     | 0.14     | 22      | 0.35       | 0.073      | 18       | 14.3     | 0.19      | 231.7    | 0.022      | 0.49    | 0.96       | 0.012      | 0.05      | 0.049   | 83       | 1.3      | 0.05     |
| 11DS0913A | 42.3     | 0.34     | 0.32     | 0.13     | 30      | 0.36       | 0.106      | 17.8     | 18.1     | 0.27      | 257.9    | 0.026      | 2       | 1.19       | 0.013      | 0.05      | 0.049   | 98       | 2        | 0.05     |
| 11DS0913A | 42.3     | 0.34     | 0.32     | 0.13     | 30      | 0.36       | 0.106      | 17.8     | 18.1     | 0.27      | 257.9    | 0.026      | 2       | 1.19       | 0.013      | 0.05      | 0.049   | 98       | 2        | 0.05     |
| 11DS0914A | 65       | 0.38     | 0.56     | 0.05     | 12      | 0.59       | 0.098      | 23.2     | 9.9      | 0.13      | 341.8    | 0.016      | 2       | 0.66       | 0.011      | 0.04      | 0.1     | 123      | 2.2      | 0.03     |
| 11DS0914A | 65       | 0.38     | 0.56     | 0.05     | 12      | 0.59       | 0.098      | 23.2     | 9.9      | 0.13      | 341.8    | 0.016      | 2       | 0.66       | 0.011      | 0.04      | 0.1     | 123      | 2.2      | 0.03     |
| 11DS0915A | 122.1    | 0.32     | 0.11     | 0.07     | 18      | 1.86       | 0.099      | 1.8      | 5        | 0.31      | 405.5    | 0.025      | 7       | 0.47       | 0.011      | 0.09      | 0.1     | 100      | 0.9      | 0.03     |
| 11DS0916A | 89.7     | 0.27     | 0.2      | 0.08     | 35      | 1.42       | 0.085      | 4.1      | 13.2     | 0.39      | 386.4    | 0.032      | 5       | 0.97       | 0.013      | 0.1       | 0.1     | 68       | 1.3      | 0.05     |
| 11DS0917A | 76.6     | 0.46     | 0.25     | 0.09     | 44      | 0.94       | 0.083      | 4.3      | 16.1     | 0.45      | 600.7    | 0.051      | 2       | 1.15       | 0.017      | 0.1       | 0.049   | 73       | 1.5      | 0.08     |
| 11DS0918A | 18.1     | 0.46     | 0.16     | 0.12     | 23      | 0.13       | 0.064      | 6.4      | 13.8     | 0.12      | 169.6    | 0.015      | 0.49    | 0.73       | 0.013      | 0.03      | 0.049   | 56       | 0.4      | 0.07     |
| 11DS0919A | 39.4     | 0.36     | 0.21     | 0.11     | 30      | 0.26       | 0.056      | 12       | 17.4     | 0.16      | 182.5    | 0.028      | 1       | 1.23       | 0.016      | 0.04      | 0.1     | 82       | 1.3      | 0.05     |
| 11TB0935A | 21.5     | 0.11     | 0.22     | 0.1      | 22      | 0.23       | 0.061      | 14.8     | 18.2     | 0.24      | 172.4    | 0.033      | 1       | 1.12       | 0.012      | 0.05      | 0.1     | 77       | 1.7      | 0.11     |
| 11TB0935A | 21.5     | 0.11     | 0.22     | 0.1      | 22      | 0.23       | 0.061      | 14.8     | 18.2     | 0.24      | 172.4    | 0.033      | 1       | 1.12       | 0.012      | 0.05      | 0.1     | 77       | 1.7      | 0.11     |
| 11TB0936A | 37.1     | 0.33     | 0.32     | 0.1      | 25      | 0.44       | 0.114      | 50.7     | 18.7     | 0.25      | 346.9    | 0.03       | 2       | 1.25       | 0.015      | 0.05      | 0.049   | 113      | 2.9      | 0.07     |
| 11TB0936A | 37.1     | 0.33     | 0.32     | 0.1      | 25      | 0.44       | 0.114      | 50.7     | 18.7     | 0.25      | 346.9    | 0.03       | 2       | 1.25       | 0.015      | 0.05      | 0.049   | 113      | 2.9      | 0.07     |
| 11TB0939A | 22.2     | 0.44     | 0.33     | 0.25     | 26      | 0.21       | 0.081      | 33.5     | 13.7     | 0.11      | 206.7    | 0.032      | 2       | 0.92       | 0.01       | 0.07      | 0.1     | 112      | 1.8      | 0.09     |
| 11TB0939A | 22.2     | 0.44     | 0.33     | 0.25     | 26      | 0.21       | 0.081      | 33.5     | 13.7     | 0.11      | 206.7    | 0.032      | 2       | 0.92       | 0.01       | 0.07      | 0.1     | 112      | 1.8      | 0.09     |
| 11TB0940A | 30.2     | 0.59     | 0.48     | 0.22     | 26      | 0.31       | 0.096      | 50.1     | 15.5     | 0.23      | 299.5    | 0.035      | 2       | 1.15       | 0.01       | 0.06      | 0.2     | 106      | 2.6      | 0.1      |
| 11TB0940A | 30.2     | 0.59     | 0.48     | 0.22     | 26      | 0.31       | 0.096      | 50.1     | 15.5     | 0.23      | 299.5    | 0.035      | 2       | 1.15       | 0.01       | 0.06      | 0.2     | 106      | 2.6      | 0.1      |
| 11TB0942A | 34.5     | 0.82     | 0.29     | 0.19     | 16      | 0.3        | 0.141      | 56       | 12.1     | 0.13      | 410.6    | 0.01       | 2       | 0.96       | 0.014      | 0.06      | 0.049   | 159      | 0.6      | 0.05     |
| 11TB0942A | 34.5     | 0.82     | 0.29     | 0.19     | 16      | 0.3        | 0.141      | 56       | 12.1     | 0.13      | 410.6    | 0.01       | 2       | 0.96       | 0.014      | 0.06      | 0.049   | 159      | 0.6      | 0.05     |
| 11TB0943A | 25.7     | 0.71     | 0.21     | 0.17     | 24      | 0.33       | 0.109      | 10.8     | 11.5     | 0.11      | 203.7    | 0.014      | 0.49    | 0.64       | 0.012      | 0.07      | 0.049   | 104      | 0.5      | 0.08     |
| 11TB0943A | 25.7     | 0.71     | 0.21     | 0.17     | 24      | 0.33       | 0.109      | 10.8     | 11.5     | 0.11      | 203.7    | 0.014      | 0.49    | 0.64       | 0.012      | 0.07      | 0.049   | 104      | 0.5      | 0.08     |
| 11TB0944A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0944A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0945A | 20.9     | 0.59     | 0.17     | 0.12     | 15      | 0.15       | 0.074      | 18.6     | 15.8     | 0.09      | 225.5    | 0.012      | 0.49    | 0.78       | 0.012      | 0.04      | 0.049   | 70       | 0.5      | 0.07     |
| 11TB0945A | 20.9     | 0.59     | 0.17     | 0.12     | 15      | 0.15       | 0.074      | 18.6     | 15.8     | 0.09      | 225.5    | 0.012      | 0.49    | 0.78       | 0.012      | 0.04      | 0.049   | 70       | 0.5      | 0.07     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB0946A | 35.7     | 0.91     | 0.29     | 0.12     | 11      | 0.34       | 0.124      | 27.8     | 8.6      | 0.09      | 300.8    | 0.009      | 1       | 0.64       | 0.012      | 0.05      | 0.049   | 198      | 0.8      | 0.04     |
| 11TB0946A | 35.7     | 0.91     | 0.29     | 0.12     | 11      | 0.34       | 0.124      | 27.8     | 8.6      | 0.09      | 300.8    | 0.009      | 1       | 0.64       | 0.012      | 0.05      | 0.049   | 198      | 0.8      | 0.04     |
| 11TB0947A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0949A | 37.2     | 0.38     | 0.36     | 0.36     | 17      | 0.36       | 0.086      | 28.7     | 14.3     | 0.16      | 294.9    | 0.025      | 2       | 1.04       | 0.015      | 0.05      | 0.1     | 104      | 2.2      | 0.08     |
| 11TB0950A | 24       | 0.29     | 0.27     | 0.15     | 24      | 0.23       | 0.076      | 18.1     | 15.9     | 0.21      | 205.5    | 0.021      | 1       | 1.19       | 0.009      | 0.04      | 0.1     | 58       | 1.5      | 0.05     |
| 11TB0951A | 39.8     | 0.2      | 0.29     | 0.11     | 46      | 0.45       | 0.041      | 4.2      | 17.1     | 0.39      | 361      | 0.048      | 1       | 1.3        | 0.011      | 0.06      | 0.1     | 60       | 2        | 0.05     |
| 11TB0952A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0952A | 51.9     | 0.19     | 0.25     | 0.1      | 54      | 0.76       | 0.062      | 3.4      | 16       | 0.56      | 399.6    | 0.051      | 1       | 1.45       | 0.011      | 0.07      | 0.049   | 60       | 1.9      | 0.03     |
| 11TB0953A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB0954A | 24.1     | 0.14     | 0.18     | 0.13     | 29      | 0.48       | 0.051      | 9.2      | 12.8     | 0.53      | 265.6    | 0.014      | 0.49    | 1.3        | 0.009      | 0.04      | 0.049   | 26       | 1.9      | 0.09     |
| 11TB0955A | 11.5     | 1        | 0.37     | 0.19     | 56      | 0.11       | 0.027      | 5.1      | 12.3     | 0.15      | 71.9     | 0.054      | 0.49    | 0.77       | 0.008      | 0.04      | 0.1     | 37       | 1.2      | 0.04     |
| 11AN0209A | 34.4     | 0.12     | 0.2      | 0.09     | 60      | 0.16       | 0.071      | 5        | 16.4     | 0.42      | 86.2     | 0.026      | 0.49    | 1.69       | 0.007      | 0.04      | 0.049   | 40       | 2.3      | 0.06     |
| 11AN0210A | 21.4     | 0.11     | 0.17     | 0.11     | 27      | 0.12       | 0.08       | 5.5      | 13.1     | 0.17      | 122.1    | 0.008      | 0.49    | 1.02       | 0.008      | 0.05      | 0.049   | 65       | 0.5      | 0.04     |
| 11AN0211A | 49.6     | 0.14     | 0.24     | 0.1      | 36      | 0.61       | 0.094      | 6        | 16.8     | 0.27      | 173      | 0.028      | 2       | 1.44       | 0.011      | 0.06      | 0.1     | 104      | 2.7      | 0.05     |
| 11AN0212A | 41       | 0.25     | 0.22     | 0.13     | 37      | 0.55       | 0.079      | 11.3     | 18.3     | 0.26      | 285.4    | 0.025      | 1       | 1.83       | 0.011      | 0.04      | 0.049   | 83       | 3.3      | 0.06     |
| 11AN0213A | 92.3     | 0.45     | 0.39     | 0.06     | 17      | 2.29       | 0.124      | 10.6     | 11.5     | 0.14      | 739      | 0.009      | 6       | 0.62       | 0.02       | 0.02      | 0.049   | 136      | 1.3      | 0.07     |
| 11AN0214A | 47.1     | 0.15     | 0.27     | 0.06     | 50      | 0.94       | 0.169      | 7.3      | 19.2     | 0.65      | 245.2    | 0.045      | 0.49    | 1.31       | 0.017      | 0.04      | 0.2     | 27       | 2.9      | 0.04     |
| 11AN0215A | 114.9    | 0.23     | 0.22     | 0.05     | 4       | 2.45       | 0.081      | 1.5      | 10.2     | 0.32      | 144      | 0.006      | 10      | 0.19       | 0.02       | 0.02      | 0.049   | 53       | 0.4      | 0.03     |
| 11AN0216A | 33.1     | 0.2      | 0.34     | 0.11     | 47      | 0.36       | 0.055      | 9.1      | 23.7     | 0.42      | 232.5    | 0.058      | 0.49    | 1.46       | 0.014      | 0.06      | 0.1     | 49       | 2.9      | 0.07     |
| 11AN0217A | 42.1     | 0.2      | 0.36     | 0.13     | 52      | 0.57       | 0.067      | 8.8      | 28       | 0.57      | 204.8    | 0.069      | 2       | 1.69       | 0.027      | 0.06      | 0.1     | 27       | 3.4      | 0.07     |
| 11AN0218A | 79.4     | 0.24     | 0.53     | 0.11     | 44      | 1.42       | 0.086      | 9.5      | 23.6     | 0.5       | 306.9    | 0.05       | 2       | 1.41       | 0.025      | 0.05      | 0.2     | 49       | 2.8      | 0.07     |
| 11AN0219A | 107.8    | 0.29     | 0.48     | 0.11     | 24      | 1.77       | 0.092      | 6.9      | 15       | 0.39      | 285.3    | 0.028      | 4       | 0.87       | 0.017      | 0.05      | 0.1     | 102      | 1.6      | 0.05     |
| 11AN0220A | 48.6     | 0.56     | 0.33     | 0.13     | 47      | 0.55       | 0.063      | 11.3     | 28.8     | 0.49      | 329.1    | 0.046      | 1       | 1.71       | 0.018      | 0.07      | 0.2     | 65       | 2.3      | 0.06     |
| 11AN0222A | 50.1     | 0.28     | 0.25     | 0.15     | 42      | 0.48       | 0.079      | 10.4     | 24       | 0.49      | 249.7    | 0.067      | 1       | 1.57       | 0.016      | 0.07      | 0.2     | 78       | 4.2      | 0.08     |
| 11AN0223A | 66.8     | 0.08     | 0.29     | 0.29     | 25      | 0.57       | 0.075      | 7        | 12.8     | 0.28      | 228.7    | 0.043      | 3       | 0.9        | 0.019      | 0.06      | 0.2     | 90       | 2.1      | 0.08     |
| 11AN0224A | 40       | 0.29     | 0.29     | 0.13     | 38      | 0.3        | 0.086      | 9.7      | 18.2     | 0.37      | 238.2    | 0.046      | 2       | 1.16       | 0.017      | 0.06      | 0.2     | 64       | 2        | 0.07     |
| 11AN0225A | 68       | 0.11     | 0.31     | 0.15     | 33      | 0.55       | 0.1        | 10.8     | 22.2     | 0.33      | 244.8    | 0.052      | 3       | 1.35       | 0.018      | 0.06      | 0.1     | 120      | 3.5      | 0.07     |
| 11AN0226A | 93.7     | 0.18     | 0.52     | 0.12     | 20      | 1          | 0.093      | 13.5     | 17.2     | 0.28      | 350.9    | 0.023      | 3       | 0.85       | 0.019      | 0.05      | 0.1     | 104      | 1.6      | 0.05     |
| 11AN0227A | 94.2     | 0.13     | 0.28     | 0.09     | 51      | 0.96       | 0.143      | 6.9      | 17.2     | 0.56      | 262.3    | 0.057      | 2       | 1.35       | 0.023      | 0.11      | 0.1     | 36       | 2.6      | 0.08     |
| 11AN0228A | 85.5     | 0.04     | 0.22     | 0.11     | 51      | 0.81       | 0.089      | 9.4      | 19.2     | 0.63      | 209.6    | 0.068      | 1       | 1.47       | 0.024      | 0.09      | 0.1     | 35       | 3.5      | 0.07     |
| 11AN0229A | 14       | 0.39     | 0.23     | 0.21     | 67      | 0.12       | 0.05       | 12.8     | 31.6     | 0.37      | 159      | 0.086      | 1       | 1.83       | 0.015      | 0.08      | 0.1     | 42       | 3.1      | 0.11     |
| 11CB0902A | 67.9     | 0.22     | 0.22     | 0.06     | 15      | 0.53       | 0.102      | 15.3     | 8.5      | 0.1       | 152.7    | 0.014      | 1       | 0.76       | 0.017      | 0.03      | 0.049   | 118      | 1.1      | 0.04     |
| 11CB0903A | 74.3     | 0.27     | 0.24     | 0.07     | 20      | 0.57       | 0.104      | 18.3     | 10.5     | 0.13      | 173.4    | 0.017      | 2       | 0.92       | 0.018      | 0.04      | 0.049   | 104      | 1.4      | 0.04     |
| 11CB0904A | 73       | 0.22     | 0.24     | 0.1      | 71      | 0.76       | 0.114      | 8.5      | 16.8     | 0.36      | 218.2    | 0.043      | 1       | 1.14       | 0.022      | 0.04      | 0.1     | 77       | 2.5      | 0.04     |
| 11CB0905A | 51.1     | 0.61     | 0.31     | 0.08     | 35      | 0.42       | 0.09       | 10.6     | 14.8     | 0.33      | 219.3    | 0.036      | 1       | 1.12       | 0.018      | 0.05      | 0.049   | 75       | 1.9      | 0.04     |
| 11CB0906A | 55.8     | 0.39     | 0.28     | 0.1      | 38      | 0.59       | 0.087      | 11.6     | 20.2     | 0.46      | 205      | 0.065      | 1       | 1.51       | 0.02       | 0.06      | 0.1     | 60       | 3.4      | 0.07     |
| 11CB0907A | 187.8    | 0.15     | 0.26     | 0.09     | 45      | 1.24       | 0.08       | 4.2      | 15.9     | 0.47      | 543.1    | 0.075      | 2       | 1.49       | 0.013      | 0.12      | 0.1     | 97       | 1.7      | 0.06     |
| 11CB0908A | 172.3    | 0.18     | 0.22     | 0.08     | 36      | 1.12       | 0.066      | 3.4      | 13.7     | 0.38      | 539.4    | 0.065      | 2       | 1.11       | 0.013      | 0.08      | 0.049   | 64       | 1.4      | 0.06     |
| 11CB0909A | 46.1     | 0.42     | 0.24     | 0.1      | 22      | 0.61       | 0.1        | 5.5      | 13.1     | 0.18      | 315.2    | 0.014      | 2       | 0.72       | 0.015      | 0.08      | 0.049   | 196      | 0.7      | 0.07     |
| 11CB0910A | 95.2     | 1.02     | 0.18     | 0.07     | 22      | 1.18       | 0.099      | 4        | 7.9      | 0.27      | 612      | 0.03       | 2       | 0.67       | 0.018      | 0.11      | 0.049   | 136      | 1.1      | 0.06     |
| 11CB0911A | 96.7     | 0.94     | 0.17     | 0.07     | 21      | 1.14       | 0.104      | 3.7      | 6.7      | 0.25      | 610      | 0.032      | 2       | 0.61       | 0.017      | 0.13      | 0.049   | 136      | 1.3      | 0.05     |
| 11CB0912A | 29.7     | 0.5      | 0.25     | 0.22     | 27      | 0.21       | 0.071      | 4.5      | 13       | 0.16      | 293.8    | 0.024      | 2       | 0.63       | 0.013      | 0.05      | 0.049   | 91       | 0.6      | 0.06     |
| 11CB0913A | 28.1     | 0.35     | 0.21     | 0.19     | 24      | 0.17       | 0.073      | 5.1      | 11.1     | 0.12      | 371.3    | 0.023      | 3       | 0.61       | 0.014      | 0.05      | 0.1     | 88       | 0.6      | 0.08     |
| 11CB0914A | 50.6     | 0.34     | 0.21     | 0.11     | 16      | 0.32       | 0.099      | 6.8      | 9.2      | 0.12      | 326.2    | 0.008      | 2       | 0.62       | 0.016      | 0.08      | 0.049   | 129      | 0.4      | 0.05     |
| 11CB0915A | 62.3     | 0.45     | 0.18     | 0.13     | 20      | 0.58       | 0.057      | 3.8      | 8.7      | 0.14      | 362      | 0.026      | 1       | 0.4        | 0.014      | 0.07      | 0.049   | 55       | 0.7      | 0.05     |
| 11CB0916A | 99.6     | 0.93     | 0.23     | 0.1      | 23      | 1.06       | 0.102      | 2.7      | 6.5      | 0.23      | 759.8    | 0.034      | 3       | 0.41       | 0.014      | 0.09      | 0.049   | 169      | 0.9      | 0.1      |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11CB0917A | 44.2     | 0.34     | 0.24     | 0.12     | 36      | 0.22       | 0.089      | 9        | 14.1     | 0.24      | 295.7    | 0.061      | 2       | 1.08       | 0.017      | 0.08      | 0.049   | 65       | 2        | 0.06     |
| 11CB0918A | 45.9     | 0.35     | 0.24     | 0.14     | 38      | 0.25       | 0.133      | 11.6     | 20.3     | 0.29      | 327      | 0.054      | 2       | 1.48       | 0.013      | 0.07      | 0.049   | 55       | 2.6      | 0.06     |
| 11CB0919A | 48.7     | 0.79     | 0.2      | 0.13     | 23      | 0.27       | 0.135      | 10.1     | 13.5     | 0.14      | 413      | 0.008      | 1       | 0.89       | 0.015      | 0.06      | 0.049   | 77       | 0.3      | 0.05     |
| 11DS0920A | 43.8     | 0.22     | 0.18     | 0.06     | 16      | 0.4        | 0.105      | 10.6     | 10.7     | 0.09      | 143.4    | 0.012      | 1       | 0.63       | 0.014      | 0.04      | 0.1     | 74       | 0.5      | 0.03     |
| 11DS0922A | 38.7     | 0.1      | 0.17     | 0.05     | 28      | 0.35       | 0.115      | 9.4      | 11.7     | 0.2       | 210.8    | 0.01       | 0.49    | 0.97       | 0.014      | 0.05      | 0.049   | 94       | 0.9      | 0.03     |
| 11DS0923A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0924A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0925A | 97.1     | 1.37     | 0.58     | 0.12     | 29      | 1.68       | 0.116      | 6.4      | 18.8     | 0.28      | 845.7    | 0.023      | 4       | 0.93       | 0.019      | 0.04      | 0.1     | 107      | 2.1      | 0.09     |
| 11DS0926A | 102.1    | 1.15     | 0.36     | 0.11     | 37      | 1.37       | 0.111      | 17.6     | 18.4     | 0.39      | 347.7    | 0.02       | 2       | 0.81       | 0.023      | 0.04      | 0.049   | 85       | 1.4      | 0.06     |
| 11DS0927A | 79.5     | 1.16     | 0.51     | 0.12     | 25      | 0.82       | 0.07       | 11.5     | 19.4     | 0.26      | 306.3    | 0.032      | 1       | 1.07       | 0.019      | 0.06      | 0.1     | 64       | 2.2      | 0.04     |
| 11DS0928A | 176      | 0.28     | 0.54     | 0.07     | 36      | 1.82       | 0.133      | 12.9     | 14       | 0.29      | 554.6    | 0.011      | 3       | 0.75       | 0.019      | 0.04      | 0.049   | 96       | 1.3      | 0.04     |
| 11DS0929A | 47.6     | 0.77     | 0.42     | 0.1      | 24      | 0.58       | 0.064      | 8.4      | 17.7     | 0.25      | 194.3    | 0.027      | 2       | 0.87       | 0.016      | 0.05      | 0.1     | 69       | 1.3      | 0.04     |
| 11DS0930A | 61.3     | 0.85     | 0.32     | 0.09     | 29      | 0.51       | 0.087      | 4        | 13.4     | 0.26      | 353.4    | 0.037      | 2       | 0.77       | 0.021      | 0.12      | 0.1     | 76       | 1.1      | 0.04     |
| 11DS0931A | 72       | 0.52     | 0.22     | 0.07     | 22      | 0.76       | 0.083      | 3.1      | 9.1      | 0.22      | 551.6    | 0.022      | 2       | 0.45       | 0.018      | 0.1       | 0.049   | 151      | 0.7      | 0.06     |
| 11DS0932A | 148.3    | 0.86     | 0.2      | 0.05     | 28      | 1.14       | 0.125      | 7.2      | 10.6     | 0.4       | 302.2    | 0.035      | 3       | 0.86       | 0.011      | 0.19      | 0.049   | 182      | 2        | 0.05     |
| 11DS0933A | 213.9    | 0.66     | 0.24     | 0.09     | 26      | 1.37       | 0.106      | 3        | 10.9     | 0.29      | 675.4    | 0.04       | 4       | 0.64       | 0.018      | 0.13      | 0.049   | 126      | 0.9      | 0.07     |
| 11DS0934A | 142.8    | 0.62     | 0.22     | 0.08     | 26      | 1.32       | 0.082      | 2.9      | 12.8     | 0.33      | 730.6    | 0.031      | 4       | 0.68       | 0.012      | 0.12      | 0.2     | 87       | 0.8      | 0.05     |
| 11DS0935A | 139.4    | 0.6      | 0.27     | 0.11     | 34      | 1.09       | 0.102      | 4.7      | 15.9     | 0.32      | 789.9    | 0.045      | 2       | 0.87       | 0.013      | 0.13      | 0.1     | 76       | 1.2      | 0.06     |
| 11DS0936A | 106.2    | 0.81     | 0.13     | 0.04     | 12      | 0.84       | 0.076      | 1.7      | 5.9      | 0.23      | 401      | 0.021      | 3       | 0.31       | 0.013      | 0.19      | 0.049   | 155      | 0.5      | 0.03     |
| 11DS0937A | 82.8     | 0.76     | 0.22     | 0.08     | 26      | 0.68       | 0.067      | 5.8      | 11.6     | 0.25      | 662.1    | 0.031      | 1       | 0.62       | 0.013      | 0.09      | 0.049   | 82       | 1.2      | 0.04     |
| 11DS0938A | 128.4    | 0.31     | 0.29     | 0.08     | 33      | 1.62       | 0.069      | 4.1      | 14       | 0.4       | 495.6    | 0.05       | 4       | 0.87       | 0.014      | 0.14      | 0.1     | 76       | 1.8      | 0.06     |
| 11TB0956A | 29.3     | 0.12     | 0.22     | 0.06     | 26      | 0.14       | 0.062      | 2.9      | 8.6      | 0.2       | 82.2     | 0.022      | 1       | 0.69       | 0.015      | 0.05      | 0.049   | 79       | 0.6      | 0.0099   |
| 11TB0957A | 35.5     | 0.21     | 0.21     | 0.09     | 44      | 0.16       | 0.054      | 3.4      | 10.4     | 0.3       | 85.7     | 0.04       | 0.49    | 0.95       | 0.014      | 0.05      | 0.049   | 43       | 0.8      | 0.03     |
| 11TB0958A | 46.1     | 0.35     | 0.2      | 0.1      | 21      | 0.38       | 0.082      | 8.5      | 12.6     | 0.12      | 188.1    | 0.01       | 0.49    | 1.15       | 0.014      | 0.03      | 0.049   | 54       | 0.4      | 0.04     |
| 11TB0959A | 38       | 0.09     | 0.16     | 0.09     | 37      | 0.31       | 0.064      | 5.3      | 13.4     | 0.32      | 148.3    | 0.029      | 0.49    | 1.14       | 0.01       | 0.05      | 0.1     | 58       | 2        | 0.03     |
| 11TB0960A | 53.1     | 0.13     | 0.21     | 0.08     | 36      | 0.7        | 0.079      | 6.1      | 12.3     | 0.33      | 335.5    | 0.027      | 0.49    | 1.16       | 0.012      | 0.05      | 0.1     | 54       | 1.9      | 0.03     |
| 11TB0962A | 59.4     | 0.36     | 0.33     | 0.04     | 13      | 0.89       | 0.09       | 6.4      | 7.2      | 0.19      | 370.4    | 0.014      | 4       | 0.53       | 0.019      | 0.04      | 0.049   | 63       | 1.1      | 0.05     |
| 11TB0963A | 49.6     | 0.2      | 0.29     | 0.1      | 58      | 0.76       | 0.119      | 20.2     | 20.7     | 0.48      | 255.4    | 0.052      | 2       | 1.43       | 0.021      | 0.05      | 0.2     | 66       | 3.7      | 0.07     |
| 11TB0964A | 219.7    | 0.26     | 0.16     | 0.12     | 39      | 1.44       | 0.124      | 2.6      | 9        | 0.49      | 541.3    | 0.065      | 3       | 1.15       | 0.017      | 0.15      | 0.049   | 93       | 1.6      | 0.06     |
| 11TB0965A | 29.5     | 0.13     | 0.29     | 0.13     | 50      | 0.24       | 0.057      | 6.3      | 19       | 0.3       | 255.7    | 0.043      | 0.49    | 1.19       | 0.011      | 0.05      | 0.1     | 33       | 1.6      | 0.07     |
| 11TB0966A | 47.6     | 0.34     | 0.32     | 0.13     | 50      | 0.67       | 0.071      | 6.9      | 23.4     | 0.38      | 386.8    | 0.045      | 1       | 1.44       | 0.011      | 0.08      | 0.1     | 40       | 1.9      | 0.08     |
| 11TB0967A | 42.1     | 0.15     | 0.2      | 0.11     | 63      | 0.3        | 0.087      | 6.1      | 17.3     | 0.47      | 168.9    | 0.079      | 1       | 1.55       | 0.016      | 0.09      | 0.049   | 45       | 2.4      | 0.07     |
| 11TB0968A | 45.2     | 0.33     | 0.26     | 0.12     | 50      | 0.58       | 0.094      | 6.5      | 21.4     | 0.42      | 320.2    | 0.061      | 2       | 1.4        | 0.014      | 0.18      | 0.1     | 34       | 2.2      | 0.07     |
| 11TB0969A | 48.9     | 0.59     | 0.22     | 0.13     | 25      | 0.43       | 0.095      | 5.1      | 11.7     | 0.22      | 278.6    | 0.027      | 1       | 0.75       | 0.018      | 0.08      | 0.049   | 99       | 1.2      | 0.05     |
| 11TB0970A | 87.5     | 0.16     | 0.39     | 0.09     | 50      | 1.13       | 0.077      | 8.9      | 20.9     | 0.63      | 272.1    | 0.075      | 2       | 1.6        | 0.017      | 0.1       | 0.1     | 62       | 3.3      | 0.07     |
| 11TB0971A | 22.8     | 0.28     | 0.14     | 0.11     | 29      | 0.17       | 0.042      | 5.1      | 11.5     | 0.18      | 134.3    | 0.044      | 0.49    | 0.7        | 0.012      | 0.08      | 0.1     | 47       | 1.1      | 0.06     |
| 11TB0973A | 46.7     | 0.16     | 0.22     | 0.07     | 53      | 0.4        | 0.088      | 4.6      | 16.4     | 0.42      | 212.8    | 0.072      | 1       | 1.45       | 0.017      | 0.14      | 0.049   | 56       | 1.9      | 0.07     |
| 11TB0974A | 30.3     | 0.14     | 0.2      | 0.11     | 45      | 0.26       | 0.052      | 6.4      | 17.4     | 0.32      | 218.9    | 0.066      | 0.49    | 1.39       | 0.015      | 0.08      | 0.049   | 41       | 1.9      | 0.07     |
| 11TB0975A | 50.2     | 0.26     | 0.23     | 0.14     | 39      | 0.4        | 0.103      | 11.1     | 18.8     | 0.32      | 299.9    | 0.056      | 0.49    | 1.57       | 0.016      | 0.17      | 0.049   | 60       | 2.3      | 0.05     |
| 11TB0976A | 132.1    | 0.25     | 0.33     | 0.1      | 29      | 1.5        | 0.084      | 6.6      | 12.6     | 0.3       | 259.2    | 0.041      | 2       | 1.01       | 0.014      | 0.07      | 0.049   | 102      | 2.1      | 0.05     |
| 11AN0230A | 69.1     | 0.06     | 0.37     | 0.17     | 37      | 1.8        | 0.11       | 8.2      | 29       | 0.35      | 377.9    | 0.038      | 5       | 0.96       | 0.024      | 0.05      | 0.2     | 93       | 2.8      | 0.09     |
| 11AN0231A | 46.9     | 0.18     | 0.29     | 0.13     | 68      | 1.11       | 0.099      | 8.3      | 24.1     | 0.77      | 364.9    | 0.131      | 2       | 1.56       | 0.023      | 0.14      | 0.2     | 63       | 4.1      | 0.21     |
| 11AN0232A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0233A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0234A | 58.6     | 0.45     | 0.34     | 0.13     | 6       | 1.18       | 0.078      | 11.2     | 5.3      | 0.14      | 326.7    | 0.017      | 4       | 0.37       | 0.015      | 0.03      | 0.049   | 138      | 0.9      | 0.03     |
| 11AN0235A | 43.8     | 0.8      | 0.26     | 0.16     | 19      | 0.79       | 0.07       | 17.3     | 11.9     | 0.22      | 367.6    | 0.021      | 2       | 0.73       | 0.015      | 0.04      | 0.049   | 85       | 1.4      | 0.07     |

[illegible]

|           | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca__0_01 | P__0_001 | La_ppm_0 | Cr_ppm_0 | Mg__0_0 | Ba_ppm_0 | Ti__0_00 | B_ppm_1 | Al__0_01 | Na__0_00 | K__0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|---------|----------|----------|---------|----------|----------|---------|---------|----------|----------|----------|
| 11DS0943A | 83.8     | 0.79     | 0.19     | 0.24     | 17      | 2.18     | 0.065    | 19       | 17.9     | 0.35    | 682.1    | 0.031    | 3       | 0.88     | 0.013    | 0.07    | 0.049   | 84       | 2.1      | 0.1      |
| 11DS0944A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS0945A | 88       | 0.43     | 0.22     | 0.14     | 19      | 2.02     | 0.053    | 10.7     | 12.2     | 0.37    | 218.3    | 0.038    | 4       | 0.82     | 0.014    | 0.07    | 0.049   | 82       | 2        | 0.07     |
| 11DS0946A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS0947A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS0948A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS0949A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS0950A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS0951A | 48       | 1.21     | 0.41     | 0.18     | 29      | 0.56     | 0.137    | 62.5     | 15.8     | 0.22    | 386.1    | 0.029    | 3       | 1.35     | 0.013    | 0.09    | 0.1     | 133      | 1.9      | 0.05     |
| 11DS0953A | 38.7     | 2.35     | 2.37     | 0.1      | 14      | 0.38     | 0.116    | 6        | 12       | 0.11    | 336.9    | 0.005    | 4       | 0.53     | 0.08     | 0.1     | 0.049   | 131      | 0.3      | 0.03     |
| 11DS0954A | 42.1     | 1.62     | 0.2      | 0.09     | 15      | 0.52     | 0.107    | 8.5      | 8.6      | 0.09    | 238      | 0.004    | 1       | 0.47     | 0.018    | 0.08    | 0.049   | 103      | 0.2      | 0.05     |
| 11DS0956A | 21.9     | 0.45     | 0.21     | 0.08     | 15      | 0.21     | 0.087    | 10       | 9.6      | 0.08    | 133.6    | 0.009    | 0.49    | 0.51     | 0.016    | 0.06    | 0.049   | 87       | 0.4      | 0.05     |
| 11DS0957A | 45.9     | 1.31     | 0.22     | 0.1      | 12      | 0.58     | 0.137    | 46.5     | 9.8      | 0.11    | 353.3    | 0.007    | 2       | 1.01     | 0.013    | 0.06    | 0.049   | 105      | 0.5      | 0.04     |
| 11DS0958A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS0959A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS0960A | 27.8     | 0.34     | 0.42     | 0.19     | 25      | 0.31     | 0.093    | 23.5     | 18.4     | 0.27    | 233.5    | 0.038    | 2       | 1.25     | 0.013    | 0.05    | 0.1     | 76       | 2.9      | 0.09     |
| 11DS0962A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS0963A | 35.5     | 0.51     | 0.24     | 0.1      | 12      | 0.31     | 0.113    | 37.6     | 13.3     | 0.09    | 275      | 0.007    | 2       | 0.83     | 0.013    | 0.03    | 0.049   | 87       | 0.6      | 0.03     |
| 11DS0964A | 34.6     | 0.45     | 0.34     | 0.09     | 14      | 0.31     | 0.091    | 27       | 12.3     | 0.1     | 249.8    | 0.018    | 3       | 0.8      | 0.013    | 0.05    | 0.049   | 97       | 1.2      | 0.03     |
| 11TB0977A | 23.1     | 0.18     | 0.15     | 0.27     | 35      | 0.46     | 0.051    | 10.7     | 18.2     | 0.62    | 272.5    | 0.015    | 0.49    | 1.6      | 0.009    | 0.05    | 0.049   | 44       | 2.4      | 0.13     |
| 11TB0978A | 12.7     | 1.86     | 0.31     | 0.21     | 37      | 0.12     | 0.034    | 4.6      | 10.5     | 0.07    | 92.2     | 0.029    | 0.49    | 0.49     | 0.012    | 0.04    | 0.049   | 61       | 0.7      | 0.05     |
| 11TB0979A | 58.1     | 0.72     | 0.28     | 0.14     | 40      | 1.88     | 0.051    | 9        | 17.8     | 0.57    | 379.3    | 0.058    | 2       | 1.29     | 0.018    | 0.06    | 0.1     | 66       | 3.2      | 0.08     |
| 11TB0980A | 48.4     | 0.66     | 0.26     | 0.16     | 55      | 1.39     | 0.075    | 11.6     | 23.6     | 0.76    | 360.2    | 0.081    | 2       | 1.72     | 0.018    | 0.07    | 0.1     | 65       | 4.4      | 0.1      |
| 11TB0982A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11TB0983A | 48.4     | 0.2      | 0.23     | 0.14     | 42      | 1.32     | 0.065    | 9.1      | 20.3     | 0.48    | 282.7    | 0.06     | 3       | 1.14     | 0.021    | 0.06    | 0.1     | 44       | 3        | 0.1      |
| 11TB0984A | 45.4     | 0.31     | 0.21     | 0.14     | 45      | 1.24     | 0.054    | 11.6     | 21.2     | 0.61    | 312.1    | 0.057    | 1       | 1.35     | 0.019    | 0.07    | 0.1     | 47       | 3.1      | 0.09     |
| 11TB0985A | 34.2     | 0.26     | 0.23     | 0.22     | 46      | 0.61     | 0.06     | 29.3     | 23.9     | 0.42    | 414.9    | 0.051    | 1       | 1.64     | 0.012    | 0.11    | 0.1     | 62       | 4.1      | 0.14     |
| 11TB0986A | 55.7     | 0.63     | 0.22     | 0.14     | 20      | 1.05     | 0.059    | 21       | 10.8     | 0.17    | 439.2    | 0.027    | 2       | 0.76     | 0.017    | 0.07    | 0.049   | 87       | 1.8      | 0.09     |
| 11TB0987A | 35       | 0.66     | 0.37     | 0.38     | 27      | 0.54     | 0.096    | 51.5     | 13.8     | 0.22    | 422.8    | 0.024    | 1       | 1.33     | 0.012    | 0.11    | 0.1     | 115      | 2.4      | 0.09     |
| 11TB0988A | 71.3     | 0.69     | 0.27     | 0.2      | 20      | 1.45     | 0.059    | 48.7     | 11.1     | 0.28    | 426      | 0.024    | 1       | 1.03     | 0.013    | 0.06    | 0.1     | 79       | 2.8      | 0.07     |
| 11TB0989A | 26.8     | 0.33     | 0.3      | 0.41     | 26      | 0.32     | 0.088    | 17.4     | 15.6     | 0.25    | 232.4    | 0.034    | 1       | 0.95     | 0.012    | 0.08    | 0.1     | 109      | 1.3      | 0.08     |
| 11TB0990A | 43.5     | 1.27     | 0.3      | 0.2      | 38      | 0.51     | 0.163    | 30.3     | 19.8     | 0.33    | 547.5    | 0.055    | 3       | 1.6      | 0.018    | 0.21    | 0.049   | 13       | 4        | 0.09     |
| 11TB0991A | 36.6     | 1.05     | 0.23     | 0.36     | 28      | 0.45     | 0.078    | 44.1     | 14.9     | 0.31    | 334.8    | 0.052    | 1       | 1.34     | 0.014    | 0.19    | 0.1     | 94       | 2.5      | 0.12     |
| 11TB0992A | 51.5     | 1.33     | 0.28     | 0.17     | 26      | 0.79     | 0.164    | 23.8     | 15.2     | 0.24    | 455.7    | 0.032    | 2       | 0.97     | 0.012    | 0.16    | 0.049   | 24       | 2.5      | 0.05     |
| 11TB0993A | 31.4     | 1.49     | 0.34     | 0.28     | 27      | 0.47     | 0.052    | 16.4     | 10.5     | 0.21    | 222.9    | 0.062    | 1       | 0.87     | 0.014    | 0.22    | 0.049   | 7        | 2.2      | 0.12     |
| 11TB0994A | 65.1     | 2.13     | 0.17     | 0.18     | 24      | 1.29     | 0.129    | 6.6      | 9.7      | 0.15    | 434.4    | 0.035    | 0.49    | 0.66     | 0.015    | 0.13    | 0.049   | 13       | 1.4      | 0.06     |
| 11TB0995A | 58.7     | 1.96     | 0.2      | 0.15     | 26      | 0.83     | 0.137    | 5        | 10.6     | 0.13    | 642.5    | 0.033    | 1       | 0.6      | 0.017    | 0.13    | 0.049   | 17       | 1.5      | 0.05     |
| 11TB0996A | 27.1     | 0.69     | 0.42     | 0.16     | 73      | 0.25     | 0.081    | 5.9      | 17.7     | 0.33    | 372.3    | 0.078    | 0.49    | 1.34     | 0.014    | 0.08    | 0.049   | 2.49     | 1.6      | 0.13     |
| 11TB0997A | 19.6     | 0.5      | 0.19     | 0.15     | 27      | 0.11     | 0.059    | 5.2      | 11.4     | 0.1     | 153.5    | 0.007    | 0.49    | 0.58     | 0.009    | 0.05    | 0.049   | 57       | 0.2      | 0.04     |
| 11TB0998A | 54.4     | 0.91     | 0.2      | 0.12     | 22      | 0.66     | 0.273    | 5.9      | 12.2     | 0.12    | 421.5    | 0.029    | 0.49    | 0.82     | 0.019    | 0.13    | 0.049   | 20       | 1.7      | 0.05     |
| 11TB0999A | 17.1     | 0.32     | 0.14     | 0.17     | 25      | 0.13     | 0.066    | 6        | 9.9      | 0.1     | 146.1    | 0.017    | 0.49    | 0.59     | 0.011    | 0.07    | 0.049   | 57       | 0.4      | 0.04     |
| 11TB1000A | 70.5     | 1.52     | 0.19     | 0.14     | 18      | 1.02     | 0.22     | 18.8     | 9.7      | 0.16    | 481      | 0.014    | 2       | 0.87     | 0.015    | 0.12    | 0.049   | 68       | 1.1      | 0.05     |
| 11TB1001A | 17.3     | 0.23     | 0.16     | 0.12     | 32      | 0.12     | 0.08     | 9.6      | 10.9     | 0.19    | 143.3    | 0.015    | 0.49    | 1        | 0.01     | 0.07    | 0.049   | 75       | 0.4      | 0.05     |
| 11AN0255A | 22.9     | 0.62     | 0.21     | 0.15     | 14      | 0.19     | 0.073    | 12       | 12.8     | 0.08    | 222.1    | 0.004    | 0.49    | 0.7      | 0.016    | 0.04    | 0.049   | 65       | 0.2      | 0.06     |
| 11AN0256A | 30.4     | 1.26     | 0.25     | 0.14     | 21      | 0.32     | 0.088    | 20.8     | 11.9     | 0.14    | 249.5    | 0.01     | 0.49    | 0.72     | 0.012    | 0.06    | 0.049   | 90       | 0.4      | 0.07     |
| 11AN0257A | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0258A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0259A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0260A | 42.4     | 0.36     | 0.27     | 0.21     | 10      | 0.41       | 0.119      | 22.7     | 9.1      | 0.08      | 248.6    | 0.01       | 2       | 0.54       | 0.015      | 0.04      | 0.049   | 111      | 0.8      | 0.02     |
| 11AN0262A | 24.9     | 0.23     | 0.36     | 0.13     | 57      | 0.27       | 0.05       | 11.9     | 19.1     | 0.37      | 413.6    | 0.037      | 0.49    | 1.52       | 0.014      | 0.06      | 0.049   | 52       | 2.8      | 0.07     |
| 11AN0263A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0264A | 89.8     | 0.91     | 0.31     | 0.14     | 45      | 1.09       | 0.101      | 3.7      | 13.8     | 0.44      | 549.7    | 0.071      | 2       | 1.01       | 0.018      | 0.07      | 0.049   | 87       | 1.7      | 0.06     |
| 11AN0265A | 20.4     | 0.31     | 0.23     | 0.17     | 31      | 0.12       | 0.067      | 6.4      | 13.4     | 0.12      | 180.4    | 0.02       | 2       | 0.81       | 0.013      | 0.04      | 0.049   | 49       | 0.5      | 0.07     |
| 11AN0266A | 30.8     | 0.49     | 0.25     | 0.12     | 17      | 0.15       | 0.095      | 4.7      | 9.5      | 0.1       | 260.5    | 0.004      | 2       | 0.69       | 0.014      | 0.04      | 0.049   | 101      | 0.3      | 0.02     |
| 11AN0267A | 40.9     | 0.21     | 0.27     | 0.15     | 36      | 0.26       | 0.082      | 9.7      | 17.3     | 0.26      | 305.8    | 0.018      | 2       | 1.4        | 0.013      | 0.05      | 0.049   | 73       | 0.8      | 0.06     |
| 11AN0269A | 35.6     | 0.12     | 0.2      | 0.13     | 36      | 0.26       | 0.084      | 6.4      | 15.7     | 0.25      | 189.8    | 0.02       | 0.49    | 1.12       | 0.014      | 0.05      | 0.049   | 60       | 0.8      | 0.07     |
| 11AN0270A | 87.6     | 0.23     | 0.34     | 0.12     | 46      | 1.08       | 0.086      | 24.1     | 22.5     | 0.47      | 392.1    | 0.043      | 3       | 1.57       | 0.019      | 0.06      | 0.1     | 68       | 3.5      | 0.08     |
| 11AN0272A | 56.2     | 0.52     | 0.52     | 0.11     | 50      | 0.97       | 0.078      | 10.2     | 24.1     | 0.54      | 246.3    | 0.08       | 3       | 1.32       | 0.034      | 0.1       | 0.2     | 48       | 3.3      | 0.08     |
| 11CB0948A | 23.6     | 0.17     | 0.31     | 0.15     | 36      | 0.23       | 0.043      | 18.5     | 21.5     | 0.22      | 195.9    | 0.037      | 1       | 1.3        | 0.01       | 0.04      | 0.1     | 63       | 2.1      | 0.07     |
| 11CB0949A | 32.1     | 0.77     | 0.37     | 0.5      | 20      | 0.29       | 0.101      | 23.3     | 24.7     | 0.16      | 286.6    | 0.014      | 3       | 1.6        | 0.01       | 0.06      | 0.1     | 126      | 0.9      | 0.08     |
| 11CB0950A | 31.5     | 0.24     | 0.34     | 0.25     | 19      | 0.29       | 0.082      | 23.9     | 18.3     | 0.18      | 270.8    | 0.021      | 3       | 1.1        | 0.011      | 0.04      | 0.1     | 106      | 1.8      | 0.08     |
| 11CB0951A | 27.4     | 0.18     | 0.31     | 0.18     | 21      | 0.25       | 0.071      | 21.5     | 18.6     | 0.2       | 240      | 0.022      | 2       | 1.15       | 0.011      | 0.04      | 0.1     | 90       | 1.7      | 0.07     |
| 11CB0952A | 25.8     | 0.33     | 0.25     | 0.19     | 15      | 0.23       | 0.112      | 17.3     | 19.7     | 0.11      | 227.6    | 0.008      | 5       | 0.98       | 0.013      | 0.03      | 0.049   | 110      | 0.6      | 0.07     |
| 11CB0953A | 24.8     | 0.33     | 0.25     | 0.15     | 16      | 0.2        | 0.105      | 16.5     | 20.8     | 0.11      | 222.7    | 0.009      | 2       | 0.98       | 0.009      | 0.03      | 0.049   | 120      | 0.6      | 0.06     |
| 11CB0954A | 37.1     | 0.47     | 0.25     | 0.13     | 20      | 0.36       | 0.066      | 14.7     | 18.5     | 0.21      | 255.7    | 0.023      | 1       | 1          | 0.011      | 0.04      | 0.049   | 120      | 1.8      | 0.06     |
| 11CB0955A | 37.3     | 0.51     | 0.23     | 0.11     | 21      | 0.38       | 0.065      | 15.6     | 16.6     | 0.22      | 254.9    | 0.026      | 2       | 1.03       | 0.012      | 0.04      | 0.1     | 102      | 2        | 0.06     |
| 11CB0956A | 33.8     | 0.29     | 0.26     | 0.07     | 16      | 0.34       | 0.07       | 9.9      | 13.4     | 0.14      | 177.3    | 0.016      | 2       | 0.58       | 0.011      | 0.04      | 0.2     | 79       | 1.3      | 0.04     |
| 11CB0957A | 59.6     | 0.25     | 0.42     | 0.09     | 16      | 0.72       | 0.087      | 13.1     | 16.8     | 0.19      | 324.8    | 0.019      | 2       | 0.75       | 0.013      | 0.04      | 0.1     | 109      | 2.1      | 0.05     |
| 11CB0958A | 42.2     | 0.51     | 0.3      | 0.14     | 37      | 0.43       | 0.119      | 15.5     | 17.8     | 0.24      | 307      | 0.013      | 1       | 1.04       | 0.013      | 0.04      | 0.1     | 72       | 1.1      | 0.05     |
| 11CB0959A | 40.5     | 0.33     | 0.31     | 0.13     | 38      | 0.43       | 0.121      | 14.8     | 18.3     | 0.25      | 287.5    | 0.014      | 2       | 1.11       | 0.012      | 0.04      | 0.049   | 84       | 1.4      | 0.05     |
| 11CB0960A | 62.8     | 0.39     | 0.3      | 0.1      | 38      | 0.68       | 0.086      | 13.1     | 16.8     | 0.38      | 653.3    | 0.027      | 1       | 1.35       | 0.011      | 0.08      | 0.1     | 126      | 2.9      | 0.06     |
| 11CB0962A | 23.6     | 0.21     | 0.21     | 0.14     | 32      | 0.14       | 0.054      | 5.6      | 14.9     | 0.14      | 207.4    | 0.026      | 0.49    | 0.93       | 0.01       | 0.03      | 0.049   | 43       | 0.7      | 0.05     |
| 11DS0965A | 44.4     | 0.36     | 0.45     | 0.09     | 17      | 0.44       | 0.095      | 39.3     | 13.7     | 0.17      | 316.8    | 0.027      | 4       | 0.95       | 0.013      | 0.05      | 0.049   | 84       | 1.9      | 0.05     |
| 11DS0966A | 26.3     | 0.55     | 0.29     | 0.1      | 18      | 0.21       | 0.08       | 22.4     | 12.9     | 0.07      | 213.3    | 0.015      | 2       | 0.62       | 0.012      | 0.05      | 0.049   | 77       | 0.6      | 0.04     |
| 11DS0967A | 48       | 0.42     | 0.37     | 0.06     | 8       | 0.44       | 0.127      | 40.7     | 8.3      | 0.1       | 355.6    | 0.013      | 2       | 0.74       | 0.014      | 0.04      | 0.049   | 124      | 1.4      | 0.03     |
| 11DS0968A | 37.6     | 0.34     | 0.34     | 0.12     | 18      | 0.33       | 0.09       | 21.1     | 17.1     | 0.19      | 279      | 0.023      | 2       | 1.04       | 0.012      | 0.05      | 0.049   | 103      | 1.8      | 0.05     |
| 11DS0969A | 37.4     | 0.6      | 0.26     | 0.09     | 13      | 0.36       | 0.111      | 23.1     | 10.1     | 0.09      | 277.7    | 0.008      | 2       | 0.55       | 0.016      | 0.06      | 0.049   | 82       | 0.6      | 0.03     |
| 11DS0970A | 39.2     | 0.35     | 0.37     | 0.1      | 14      | 0.36       | 0.11       | 22.3     | 13.6     | 0.15      | 286      | 0.019      | 2       | 1          | 0.013      | 0.04      | 0.049   | 118      | 1.9      | 0.05     |
| 11DS0971A | 38.8     | 0.61     | 0.29     | 0.09     | 11      | 0.31       | 0.096      | 19.7     | 10.4     | 0.11      | 269.3    | 0.012      | 2       | 0.71       | 0.014      | 0.04      | 0.049   | 113      | 1        | 0.03     |
| 11DS0972A | 47.7     | 0.43     | 0.35     | 0.11     | 16      | 0.45       | 0.088      | 21.1     | 14.6     | 0.2       | 326.1    | 0.022      | 2       | 1.01       | 0.013      | 0.04      | 0.049   | 94       | 1.7      | 0.05     |
| 11DS0973A | 33.3     | 0.43     | 0.22     | 0.08     | 13      | 0.31       | 0.076      | 13.7     | 9.7      | 0.12      | 218.4    | 0.021      | 2       | 0.59       | 0.011      | 0.05      | 0.049   | 78       | 1.1      | 0.03     |
| 11DS0974A | 36.7     | 0.23     | 0.38     | 0.12     | 23      | 0.39       | 0.076      | 18.4     | 15.9     | 0.28      | 223.1    | 0.038      | 2       | 1.1        | 0.01       | 0.05      | 0.1     | 75       | 2.8      | 0.05     |
| 11DS0975A | 138.3    | 0.15     | 0.13     | 0.05     | 11      | 1.36       | 0.054      | 3.9      | 8.2      | 0.2       | 105.6    | 0.024      | 4       | 0.46       | 0.01       | 0.04      | 0.049   | 55       | 1.1      | 0.03     |
| 11DS0976A | 147.9    | 0.25     | 0.22     | 0.09     | 21      | 1.46       | 0.079      | 2.7      | 13.9     | 0.27      | 389.5    | 0.036      | 5       | 0.69       | 0.011      | 0.09      | 0.049   | 78       | 1        | 0.04     |
| 11DS0977A | 164.9    | 0.4      | 0.19     | 0.07     | 23      | 1.6        | 0.096      | 2.5      | 11.5     | 0.34      | 530.9    | 0.046      | 7       | 0.8        | 0.012      | 0.09      | 0.049   | 73       | 1.3      | 0.04     |
| 11DS0978A | 31.8     | 0.65     | 0.19     | 0.07     | 10      | 0.15       | 0.125      | 3.9      | 12       | 0.06      | 273.2    | 0.004      | 2       | 0.44       | 0.016      | 0.05      | 0.049   | 100      | 0.4      | 0.02     |
| 11DS0979A | 28.2     | 0.68     | 0.18     | 0.06     | 13      | 0.21       | 0.082      | 9.5      | 9.5      | 0.08      | 355.6    | 0.015      | 1       | 0.69       | 0.008      | 0.06      | 0.049   | 86       | 1.5      | 0.03     |
| 11DS0980A | 35.8     | 0.38     | 0.24     | 0.11     | 27      | 0.35       | 0.092      | 11       | 19.4     | 0.21      | 369.5    | 0.029      | 2       | 1.08       | 0.013      | 0.06      | 0.049   | 76       | 1.8      | 0.04     |
| 11DS0982A | 69.6     | 0.49     | 0.48     | 0.11     | 36      | 1.12       | 0.08       | 11.8     | 21.2     | 0.45      | 412      | 0.055      | 2       | 1.24       | 0.022      | 0.06      | 0.1     | 68       | 3.3      | 0.05     |
| 11DS0983A | 65.6     | 0.62     | 0.4      | 0.1      | 33      | 1.26       | 0.068      | 9.5      | 22.9     | 0.46      | 267.5    | 0.06       | 3       | 1.11       | 0.025      | 0.06      | 0.2     | 50       | 2.9      | 0.05     |
| 11DS0984A | 65.9     | 0.48     | 0.44     | 0.09     | 32      | 1.22       | 0.078      | 6.5      | 18.8     | 0.35      | 257.7    | 0.044      | 3       | 0.86       | 0.019      | 0.05      | 0.2     | 55       | 2.2      | 0.04     |
| 11DS0985A | 76.2     | 0.83     | 0.55     | 0.08     | 26      | 1.41       | 0.09       | 7.7      | 18       | 0.32      | 325.9    | 0.036      | 3       | 0.8        | 0.018      | 0.04      | 0.1     | 72       | 2        | 0.04     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB1002A | 39.1     | 0.78     | 0.17     | 0.09     | 23      | 0.54       | 0.095      | 7.4      | 11.7     | 0.13      | 178.4    | 0.006      | 0.49    | 0.61       | 0.014      | 0.07      | 0.049   | 46       | 0.2      | 0.04     |
| 11TB1003A | 20.9     | 0.59     | 0.14     | 0.16     | 21      | 0.17       | 0.073      | 6.3      | 10.4     | 0.1       | 141.8    | 0.004      | 0.49    | 0.6        | 0.011      | 0.06      | 0.049   | 74       | 0.1      | 0.03     |
| 11TB1004A | 38.6     | 1.95     | 0.16     | 0.16     | 24      | 0.34       | 0.056      | 13.4     | 13.6     | 0.16      | 332      | 0.017      | 0.49    | 0.89       | 0.012      | 0.05      | 0.049   | 68       | 0.8      | 0.03     |
| 11TB1005A | 50.6     | 1.53     | 0.4      | 0.17     | 6       | 0.59       | 0.102      | 13.8     | 5.9      | 0.11      | 291.2    | 0.006      | 2       | 0.47       | 0.018      | 0.05      | 0.049   | 99       | 0.7      | 0.03     |
| 11TB1006A | 73.7     | 0.24     | 0.54     | 0.04     | 3       | 0.88       | 0.067      | 26.6     | 2.8      | 0.14      | 314.8    | 0.006      | 5       | 0.32       | 0.021      | 0.04      | 0.049   | 87       | 1.7      | 0.03     |
| 11TB1007A | 49.4     | 0.28     | 0.38     | 0.23     | 52      | 0.53       | 0.08       | 41.8     | 24.3     | 0.32      | 368.9    | 0.026      | 0.49    | 2.15       | 0.01       | 0.07      | 0.1     | 117      | 4.6      | 0.09     |
| 11TB1008A | 56.5     | 0.84     | 0.18     | 0.09     | 17      | 0.61       | 0.083      | 37.1     | 10.1     | 0.15      | 456.9    | 0.009      | 0.49    | 0.76       | 0.014      | 0.06      | 0.049   | 73       | 0.9      | 0.02     |
| 11TB1009A | 119.7    | 0.37     | 0.21     | 0.05     | 33      | 1.39       | 0.085      | 3.1      | 11.3     | 0.38      | 473.9    | 0.03       | 2       | 0.98       | 0.011      | 0.13      | 0.049   | 71       | 1.2      | 0.06     |
| 11TB1010A | 25.1     | 0.45     | 0.17     | 0.11     | 21      | 0.13       | 0.054      | 5.9      | 11.1     | 0.08      | 244.5    | 0.004      | 0.49    | 0.68       | 0.014      | 0.03      | 0.049   | 49       | 0.2      | 0.02     |
| 11TB1011A | 24       | 0.71     | 0.19     | 0.13     | 30      | 0.11       | 0.073      | 4.9      | 11.5     | 0.11      | 307.2    | 0.025      | 0.49    | 0.75       | 0.014      | 0.03      | 0.049   | 47       | 1        | 0.03     |
| 11TB1012A | 23.7     | 0.57     | 0.17     | 0.08     | 18      | 0.16       | 0.054      | 17.6     | 9.1      | 0.07      | 646.9    | 0.006      | 0.49    | 0.63       | 0.012      | 0.04      | 0.049   | 77       | 0.5      | 0.02     |
| 11TB1013A | 19.8     | 0.26     | 0.29     | 0.38     | 47      | 0.1        | 0.044      | 4.4      | 14.5     | 0.21      | 126.7    | 0.029      | 1       | 1.06       | 0.009      | 0.03      | 0.1     | 31       | 1        | 0.05     |
| 11TB1014A | 133.1    | 0.52     | 0.36     | 0.44     | 12      | 1.9        | 0.111      | 5.1      | 5.6      | 0.21      | 648.4    | 0.01       | 5       | 0.66       | 0.016      | 0.03      | 0.049   | 98       | 1        | 0.09     |
| 11TB1015A | 135.9    | 0.25     | 0.45     | 0.25     | 22      | 1.85       | 0.093      | 11.3     | 9.7      | 0.32      | 550.9    | 0.021      | 3       | 0.96       | 0.018      | 0.03      | 0.049   | 92       | 1.7      | 0.06     |
| 11TB1016A | 59.9     | 0.21     | 0.23     | 0.15     | 39      | 0.81       | 0.084      | 15       | 23.5     | 0.44      | 340.8    | 0.03       | 2       | 1.4        | 0.015      | 0.05      | 0.1     | 73       | 2.4      | 0.06     |
| 11TB1017A | 34.8     | 0.2      | 0.2      | 0.17     | 41      | 0.16       | 0.051      | 5.5      | 15.2     | 0.2       | 216.9    | 0.032      | 0.49    | 1.1        | 0.013      | 0.04      | 0.1     | 43       | 0.9      | 0.07     |
| 11TB1019A | 47.1     | 0.21     | 0.43     | 0.16     | 29      | 0.69       | 0.078      | 8.6      | 17.5     | 0.3       | 226.2    | 0.027      | 2       | 1          | 0.014      | 0.04      | 0.1     | 87       | 1.9      | 0.05     |
| 11TB1020A | 26.4     | 0.29     | 0.31     | 0.14     | 50      | 0.32       | 0.065      | 7.2      | 24.2     | 0.43      | 164.7    | 0.042      | 1       | 1.34       | 0.012      | 0.06      | 0.2     | 45       | 2.1      | 0.06     |
| 11TB1022A | 45.4     | 0.19     | 0.45     | 0.14     | 49      | 0.73       | 0.08       | 10.6     | 26.2     | 0.54      | 232      | 0.056      | 2       | 1.41       | 0.02       | 0.06      | 0.2     | 51       | 3.2      | 0.07     |
| 11AN0273A | 14.6     | 0.15     | 0.21     | 0.16     | 42      | 0.14       | 0.062      | 7.8      | 16.1     | 0.21      | 136.1    | 0.02       | 0.49    | 1.05       | 0.011      | 0.06      | 0.049   | 44       | 0.8      | 0.08     |
| 11AN0274A | 106.3    | 0.47     | 0.24     | 0.07     | 7       | 3.35       | 0.097      | 10       | 5.2      | 0.2       | 517.3    | 0.01       | 7       | 0.46       | 0.018      | 0.04      | 0.049   | 126      | 1        | 0.05     |
| 11AN0275A | 111.6    | 0.39     | 0.51     | 0.06     | 11      | 3.14       | 0.12       | 6        | 7        | 0.21      | 605.1    | 0.01       | 6       | 0.49       | 0.02       | 0.03      | 0.049   | 80       | 0.8      | 0.06     |
| 11AN0276A | 51.4     | 0.07     | 0.4      | 0.11     | 71      | 1.03       | 0.06       | 8.6      | 25.5     | 0.76      | 304.6    | 0.107      | 2       | 1.71       | 0.018      | 0.07      | 0.1     | 50       | 3.6      | 0.13     |
| 11AN0277A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0278A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0279A | 22.6     | 0.13     | 0.2      | 0.1      | 62      | 0.25       | 0.068      | 10.4     | 20.7     | 0.54      | 141.4    | 0.1        | 1       | 1.55       | 0.015      | 0.14      | 0.1     | 64       | 3.1      | 0.11     |
| 11AN0280A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0282A | 31.3     | 0.09     | 0.18     | 0.1      | 42      | 0.29       | 0.067      | 11.1     | 16.9     | 0.33      | 183.6    | 0.085      | 1       | 1.15       | 0.016      | 0.11      | 0.1     | 59       | 2.5      | 0.1      |
| 11AN0283A | 34.2     | 0.12     | 0.18     | 0.1      | 66      | 0.37       | 0.073      | 11.1     | 22.4     | 0.67      | 213      | 0.135      | 2       | 1.7        | 0.017      | 0.15      | 0.2     | 39       | 3.3      | 0.14     |
| 11AN0284A | 32.3     | 0.06     | 0.29     | 0.1      | 40      | 0.35       | 0.064      | 9.6      | 17.5     | 0.37      | 193.2    | 0.074      | 2       | 1.09       | 0.019      | 0.07      | 0.1     | 85       | 2.6      | 0.1      |
| 11AN0285A | 29.5     | 0.15     | 0.27     | 0.09     | 58      | 0.32       | 0.063      | 10.1     | 24.3     | 0.64      | 182.8    | 0.109      | 2       | 1.62       | 0.019      | 0.11      | 0.1     | 39       | 3.4      | 0.12     |
| 11AN0286A | 37.7     | 0.15     | 0.27     | 0.09     | 17      | 0.38       | 0.11       | 10       | 8.6      | 0.12      | 260.9    | 0.029      | 3       | 0.64       | 0.016      | 0.05      | 0.049   | 94       | 2        | 0.05     |
| 11AN0287A | 26.6     | 0.1      | 0.19     | 0.07     | 23      | 0.29       | 0.111      | 7.4      | 12.4     | 0.21      | 189.3    | 0.035      | 2       | 0.78       | 0.014      | 0.07      | 0.049   | 75       | 1.5      | 0.08     |
| 11AN0288A | 21.4     | 0.08     | 0.23     | 0.09     | 56      | 0.26       | 0.049      | 8.9      | 19.8     | 0.49      | 114.2    | 0.097      | 1       | 1.27       | 0.016      | 0.08      | 0.1     | 34       | 2.4      | 0.09     |
| 11AN0289A | 24.7     | 0.13     | 0.22     | 0.12     | 55      | 0.29       | 0.064      | 12.4     | 21.4     | 0.49      | 148.4    | 0.062      | 1       | 1.46       | 0.017      | 0.07      | 0.1     | 43       | 3        | 0.09     |
| 11AN0290A | 17.6     | 0.12     | 0.19     | 0.08     | 67      | 0.25       | 0.047      | 8.4      | 24.5     | 0.63      | 92.1     | 0.1        | 1       | 1.62       | 0.021      | 0.1       | 0.1     | 28       | 3        | 0.09     |
| 11AN0291A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0292A | 103.7    | 0.45     | 0.44     | 0.96     | 30      | 2.18       | 0.136      | 15.4     | 13.4     | 0.32      | 442.2    | 0.034      | 6       | 1.17       | 0.02       | 0.07      | 0.1     | 145      | 3.1      | 0.06     |
| 11AN0293A | 44.2     | 0.3      | 0.34     | 0.13     | 48      | 0.82       | 0.076      | 16.5     | 21.2     | 0.52      | 343.4    | 0.084      | 2       | 1.62       | 0.015      | 0.1       | 0.2     | 97       | 4.5      | 0.09     |
| 11AN0294A | 18.2     | 0.37     | 0.18     | 0.1      | 47      | 0.21       | 0.037      | 10.8     | 18.6     | 0.47      | 238.6    | 0.111      | 2       | 1.46       | 0.012      | 0.1       | 0.1     | 54       | 3.8      | 0.12     |
| 11AN0295A | 21.1     | 0.64     | 0.29     | 0.12     | 39      | 0.19       | 0.068      | 8.4      | 16.5     | 0.3       | 182.1    | 0.052      | 2       | 1.07       | 0.011      | 0.08      | 0.1     | 49       | 2.2      | 0.05     |
| 11AN0296A | 29.1     | 1.34     | 0.26     | 0.11     | 51      | 0.54       | 0.075      | 7.9      | 16.1     | 0.47      | 136.9    | 0.075      | 2       | 1.41       | 0.015      | 0.08      | 0.2     | 66       | 3.5      | 0.06     |
| 11AN0298A | 72.2     | 1.77     | 0.33     | 0.39     | 32      | 1.02       | 0.101      | 32.3     | 18.3     | 0.38      | 1578     | 0.026      | 3       | 1.49       | 0.013      | 0.08      | 0.1     | 157      | 5.4      | 0.11     |
| 11AN0299A | 25.9     | 1.01     | 0.2      | 0.48     | 43      | 0.29       | 0.044      | 11.4     | 17.1     | 0.33      | 235.3    | 0.044      | 2       | 1.45       | 0.011      | 0.06      | 0.049   | 55       | 2.8      | 0.1      |
| 11CB0967A | 57.8     | 0.59     | 0.36     | 0.13     | 58      | 1.73       | 0.112      | 13.1     | 30.3     | 0.69      | 486.6    | 0.051      | 3       | 1.64       | 0.017      | 0.05      | 0.1     | 103      | 4.3      | 0.15     |
| 11CB0968A | 61.2     | 0.79     | 0.36     | 0.11     | 43      | 1.93       | 0.106      | 12.3     | 22.9     | 0.52      | 525.9    | 0.038      | 4       | 1.27       | 0.016      | 0.04      | 0.1     | 97       | 2.9      | 0.14     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11CB0969A | 54.6     | 0.62     | 0.33     | 0.13     | 57      | 1.68       | 0.102      | 13.2     | 28.7     | 0.67      | 488.2    | 0.049      | 3       | 1.63       | 0.016      | 0.05      | 0.1     | 88       | 4.2      | 0.15     |
| 11CB0970A | 53.8     | 0.56     | 0.29     | 0.11     | 52      | 1.67       | 0.1        | 11.3     | 25.5     | 0.62      | 467.2    | 0.046      | 2       | 1.42       | 0.015      | 0.04      | 0.1     | 86       | 3.6      | 0.13     |
| 11CB0971A | 63.1     | 1.28     | 0.39     | 0.18     | 30      | 1.44       | 0.109      | 8.7      | 8.5      | 0.16      | 351.8    | 0.02       | 3       | 0.49       | 0.014      | 0.02      | 0.1     | 112      | 1.8      | 0.08     |
| 11CB0972A | 67.1     | 35.4     | 0.37     | 1.5      | 30      | 2.21       | 0.093      | 12.8     | 19.1     | 0.39      | 512.8    | 0.034      | 3       | 1.04       | 0.018      | 0.04      | 0.049   | 211      | 2.4      | 0.11     |
| 11CB0973A | 55.6     | 25.27    | 0.29     | 1.91     | 37      | 1.7        | 0.08       | 10.8     | 21.9     | 0.45      | 418.2    | 0.039      | 2       | 1.13       | 0.016      | 0.04      | 0.1     | 189      | 2.7      | 0.11     |
| 11CB0974A | 39.9     | 7.7      | 0.23     | 0.42     | 16      | 0.63       | 0.105      | 19.2     | 12.7     | 0.18      | 364.6    | 0.016      | 2       | 0.79       | 0.015      | 0.05      | 0.049   | 151      | 1        | 0.11     |
| 11CB0975A | 58.2     | 11.79    | 0.28     | 0.62     | 13      | 0.94       | 0.09       | 19.5     | 13.1     | 0.15      | 514.2    | 0.026      | 2       | 0.78       | 0.013      | 0.03      | 0.049   | 133      | 1.9      | 0.05     |
| 11CB0976A | 52.6     | 9.76     | 0.3      | 0.35     | 12      | 0.87       | 0.077      | 17.5     | 10.5     | 0.17      | 454.9    | 0.026      | 2       | 0.72       | 0.012      | 0.03      | 0.049   | 134      | 1.9      | 0.07     |
| 11CB0977A | 29.9     | 1.13     | 0.18     | 0.11     | 17      | 0.41       | 0.106      | 12       | 14.9     | 0.12      | 196      | 0.018      | 2       | 0.51       | 0.017      | 0.06      | 0.1     | 113      | 1.1      | 0.08     |
| 11CB0978A | 32.4     | 0.85     | 0.33     | 0.21     | 27      | 0.47       | 0.09       | 13.9     | 13.9     | 0.4       | 272.9    | 0.042      | 2       | 1.03       | 0.016      | 0.06      | 0.049   | 89       | 2.3      | 0.09     |
| 11CB0979A | 105.6    | 5.1      | 0.57     | 0.22     | 19      | 1.43       | 0.101      | 88.6     | 13.2     | 0.26      | 849.5    | 0.023      | 4       | 1.18       | 0.018      | 0.05      | 0.049   | 182      | 3.8      | 0.17     |
| 11CB0980A | 62       | 1.35     | 0.54     | 0.34     | 50      | 1.41       | 0.196      | 24.7     | 14.9     | 0.5       | 510.3    | 0.081      | 3       | 1.27       | 0.015      | 0.32      | 0.049   | 0        | 4.5      | 0.15     |
| 11CB0982A | 34.7     | 2.86     | 0.25     | 0.15     | 43      | 0.54       | 0.077      | 13       | 15.8     | 0.58      | 615      | 0.077      | 2       | 1.37       | 0.016      | 0.18      | 0.049   | 75       | 2.5      | 0.13     |
| 11CB0983A | 37.7     | 3.01     | 0.26     | 0.14     | 45      | 0.57       | 0.071      | 15       | 19.1     | 0.49      | 716.5    | 0.075      | 2       | 1.12       | 0.02       | 0.19      | 0.049   | 87       | 2.8      | 0.11     |
| 11CB0984A | 46.2     | 2.08     | 0.24     | 0.09     | 47      | 0.89       | 0.074      | 5.2      | 26.6     | 0.68      | 663.7    | 0.096      | 3       | 1.27       | 0.019      | 0.41      | 0.1     | 94       | 2.4      | 0.19     |
| 11CB0985A | 62.4     | 2.7      | 0.2      | 0.06     | 16      | 1.04       | 0.102      | 3.2      | 8.7      | 0.23      | 971.9    | 0.021      | 3       | 0.4        | 0.022      | 0.11      | 0.049   | 164      | 0.8      | 0.08     |
| 11CB0986A | 25       | 0.32     | 0.32     | 0.12     | 75      | 0.35       | 0.068      | 8        | 17.9     | 0.64      | 238.2    | 0.159      | 1       | 1.49       | 0.015      | 0.44      | 0.049   | 0        | 2.5      | 0.12     |
| 11CB0987A | 44       | 0.59     | 0.27     | 0.13     | 52      | 0.72       | 0.097      | 11       | 20.4     | 0.47      | 439.1    | 0.101      | 2       | 1.38       | 0.021      | 0.27      | 0.049   | 0        | 2.8      | 0.09     |
| 11CB0988A | 59.3     | 1.76     | 0.17     | 0.09     | 31      | 1.21       | 0.168      | 8.1      | 12.3     | 0.26      | 499.8    | 0.068      | 3       | 0.86       | 0.021      | 0.19      | 0.049   | 7        | 2.1      | 0.07     |
| 11CB0989A | 89.8     | 4.57     | 0.37     | 0.12     | 36      | 1.53       | 0.299      | 45.4     | 17       | 0.31      | 930.2    | 0.062      | 3       | 1.55       | 0.025      | 0.18      | 0.049   | 27       | 6.5      | 0.08     |
| 11CB0990A | 69.9     | 2.66     | 0.29     | 0.14     | 46      | 1.35       | 0.278      | 20.8     | 18.1     | 0.35      | 660.4    | 0.081      | 3       | 1.63       | 0.025      | 0.2       | 0.049   | 17       | 4.7      | 0.08     |
| 11CB0991A | 66.3     | 3.74     | 0.27     | 0.13     | 63      | 0.88       | 0.197      | 30.9     | 35.4     | 0.8       | 524.4    | 0.119      | 2       | 1.94       | 0.017      | 0.37      | 0.049   | 9        | 5.7      | 0.11     |
| 11CB0992A | 139.9    | 3.42     | 0.21     | 0.07     | 14      | 3.43       | 0.369      | 5.5      | 7.6      | 0.24      | 738.5    | 0.007      | 6       | 0.67       | 0.02       | 0.16      | 0.049   | 114      | 0.6      | 0.13     |
| 11DS0986A | 33.2     | 0.72     | 0.17     | 0.07     | 11      | 0.3        | 0.111      | 4.4      | 7.9      | 0.07      | 171.4    | 0.004      | 1       | 0.5        | 0.014      | 0.07      | 0.049   | 95       | 0.3      | 0.0099   |
| 11DS0987A | 35.8     | 0.92     | 0.24     | 0.07     | 20      | 0.4        | 0.121      | 9.7      | 22       | 0.22      | 272.3    | 0.011      | 2       | 0.81       | 0.015      | 0.08      | 0.049   | 110      | 0.6      | 0.05     |
| 11DS0988A | 33.1     | 1.36     | 0.18     | 0.08     | 15      | 0.28       | 0.115      | 3.5      | 10.7     | 0.08      | 403.8    | 0.003      | 1       | 0.43       | 0.017      | 0.08      | 0.049   | 81       | 0.4      | 0.0099   |
| 11DS0989A | 47.4     | 0.22     | 0.27     | 0.04     | 10      | 0.89       | 0.09       | 6.6      | 10.9     | 0.12      | 269.7    | 0.022      | 3       | 0.43       | 0.014      | 0.04      | 0.049   | 67       | 1.4      | 0.02     |
| 11DS0990A | 28.3     | 0.15     | 0.17     | 0.09     | 28      | 0.4        | 0.083      | 6.5      | 19.2     | 0.27      | 181.9    | 0.062      | 1       | 0.88       | 0.013      | 0.05      | 0.1     | 64       | 2        | 0.05     |
| 11DS0991A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0992A | 36.8     | 0.2      | 0.19     | 0.05     | 7       | 0.57       | 0.12       | 10.4     | 7.8      | 0.1       | 297.8    | 0.016      | 2       | 0.64       | 0.012      | 0.04      | 0.049   | 100      | 1.2      | 0.03     |
| 11DS0993A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0994A | 27.6     | 0.2      | 0.22     | 0.09     | 24      | 0.32       | 0.095      | 19       | 15.4     | 0.25      | 203.9    | 0.057      | 2       | 0.92       | 0.016      | 0.05      | 0.049   | 64       | 2.9      | 0.08     |
| 11DS0995A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0996A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS0997A | 25.2     | 0.22     | 0.15     | 0.09     | 38      | 0.42       | 0.06       | 17.4     | 16       | 0.51      | 196.2    | 0.099      | 0.49    | 1.4        | 0.011      | 0.16      | 0.2     | 66       | 2.3      | 0.15     |
| 11DS0998A | 16.5     | 0.14     | 0.15     | 0.08     | 27      | 0.18       | 0.076      | 5.8      | 9.9      | 0.24      | 134.1    | 0.065      | 1       | 0.81       | 0.012      | 0.11      | 0.1     | 60       | 1.3      | 0.1      |
| 11DS0999A | 25.2     | 0.13     | 0.14     | 0.08     | 35      | 0.26       | 0.069      | 7.8      | 14       | 0.37      | 161.7    | 0.075      | 2       | 1.07       | 0.011      | 0.09      | 0.1     | 69       | 1.8      | 0.11     |
| 11DS1000A | 32.7     | 0.23     | 0.21     | 0.07     | 21      | 0.35       | 0.074      | 8.3      | 8.8      | 0.23      | 239.8    | 0.052      | 0.49    | 0.89       | 0.011      | 0.06      | 0.049   | 82       | 2        | 0.06     |
| 11DS1002A | 95       | 0.33     | 0.38     | 0.05     | 19      | 2.64       | 0.098      | 20.6     | 10.1     | 0.26      | 602.3    | 0.017      | 3       | 0.83       | 0.015      | 0.05      | 0.049   | 121      | 1.5      | 0.06     |
| 11DS1003A | 49.5     | 1.3      | 0.18     | 0.08     | 20      | 0.81       | 0.1        | 8        | 9.2      | 0.24      | 620.9    | 0.039      | 2       | 0.6        | 0.014      | 0.15      | 0.049   | 100      | 1.5      | 0.05     |
| 11DS1004A | 47.5     | 1.16     | 0.18     | 0.07     | 27      | 0.87       | 0.086      | 11.2     | 9.7      | 0.28      | 366.9    | 0.053      | 2       | 0.8        | 0.014      | 0.12      | 0.1     | 82       | 1.8      | 0.05     |
| 11DS1005A | 26.9     | 0.49     | 0.13     | 0.05     | 8       | 0.38       | 0.095      | 4.4      | 6        | 0.11      | 256.3    | 0.011      | 0.49    | 0.39       | 0.01       | 0.09      | 0.049   | 125      | 0.5      | 0.0099   |
| 11DS1006A | 30.6     | 0.56     | 0.17     | 0.07     | 15      | 0.22       | 0.089      | 15.7     | 7.8      | 0.1       | 376.6    | 0.016      | 1       | 0.86       | 0.009      | 0.06      | 0.049   | 83       | 1.1      | 0.03     |
| 11DS1007A | 37.2     | 0.88     | 0.19     | 0.09     | 18      | 0.45       | 0.085      | 21.4     | 9.9      | 0.12      | 367.3    | 0.02       | 0.49    | 0.68       | 0.013      | 0.06      | 0.049   | 72       | 1.3      | 0.02     |
| 11DS1008A | 35       | 0.8      | 0.24     | 0.08     | 18      | 0.34       | 0.097      | 14.3     | 8.6      | 0.14      | 324.6    | 0.009      | 1       | 0.7        | 0.01       | 0.06      | 0.049   | 116      | 0.6      | 0.02     |
| 11DS1009A | 48.2     | 1.44     | 0.23     | 0.06     | 13      | 0.64       | 0.13       | 14.7     | 8.2      | 0.13      | 330.4    | 0.012      | 0.49    | 0.65       | 0.012      | 0.07      | 0.049   | 145      | 1.2      | 0.03     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS1010A | 45.4     | 2.61     | 0.27     | 0.12     | 17      | 0.7        | 0.087      | 24.1     | 10       | 0.17      | 307.9    | 0.017      | 2       | 0.74       | 0.011      | 0.05      | 0.049   | 97       | 1.4      | 0.0099   |
| 11TB1023A | 20.8     | 0.31     | 0.15     | 0.17     | 21      | 0.32       | 0.047      | 4.6      | 12       | 0.12      | 176.4    | 0.025      | 0.49    | 0.48       | 0.013      | 0.06      | 0.049   | 41       | 0.9      | 0.05     |
| 11TB1024A | 69.3     | 0.33     | 0.25     | 0.17     | 9       | 2.88       | 0.088      | 12.5     | 5.9      | 0.14      | 368      | 0.013      | 5       | 0.56       | 0.016      | 0.07      | 0.049   | 77       | 1.6      | 0.05     |
| 11TB1025A | 78.9     | 0.31     | 0.28     | 0.11     | 33      | 2.21       | 0.077      | 8.1      | 24.9     | 0.45      | 326.5    | 0.035      | 2       | 1.36       | 0.016      | 0.04      | 0.1     | 59       | 3        | 0.07     |
| 11TB1026A | 50.1     | 1        | 0.25     | 0.23     | 42      | 1.25       | 0.066      | 10.1     | 30.8     | 0.59      | 249.1    | 0.05       | 1       | 1.41       | 0.019      | 0.06      | 0.1     | 67       | 3.7      | 0.08     |
| 11TB1027A | 20       | 0.28     | 0.17     | 0.16     | 37      | 0.34       | 0.048      | 7.9      | 28.2     | 0.41      | 139.8    | 0.047      | 0.49    | 1.33       | 0.013      | 0.06      | 0.1     | 44       | 2.7      | 0.09     |
| 11TB1028A | 29.5     | 0.23     | 0.21     | 0.11     | 37      | 0.56       | 0.082      | 8.8      | 23.6     | 0.42      | 258.2    | 0.047      | 1       | 1.22       | 0.014      | 0.06      | 0.1     | 60       | 2.6      | 0.06     |
| 11TB1029A | 25.3     | 1.67     | 0.21     | 0.1      | 25      | 0.32       | 0.083      | 3.7      | 9.7      | 0.09      | 337.7    | 0.032      | 0.49    | 0.38       | 0.02       | 0.07      | 0.049   | 33       | 1        | 0.05     |
| 11TB1030A | 14       | 0.31     | 0.16     | 0.1      | 54      | 0.18       | 0.055      | 4.6      | 17.4     | 0.39      | 111.7    | 0.066      | 0.49    | 1.22       | 0.014      | 0.07      | 0.049   | 62       | 1.4      | 0.07     |
| 11TB1031A | 57.3     | 0.31     | 0.31     | 0.09     | 9       | 1.29       | 0.097      | 12.5     | 9        | 0.16      | 432      | 0.019      | 1       | 0.76       | 0.016      | 0.03      | 0.049   | 100      | 1.7      | 0.05     |
| 11TB1032A | 30       | 0.31     | 0.17     | 0.07     | 20      | 0.49       | 0.109      | 12       | 11.3     | 0.21      | 328.7    | 0.021      | 2       | 0.86       | 0.014      | 0.06      | 0.049   | 124      | 1.5      | 0.06     |
| 11TB1033A | 25.6     | 0.45     | 0.14     | 0.08     | 13      | 0.42       | 0.085      | 7.1      | 9        | 0.11      | 247.8    | 0.017      | 1       | 0.45       | 0.015      | 0.06      | 0.049   | 117      | 1        | 0.05     |
| 11TB1034A | 27.5     | 0.23     | 0.19     | 0.11     | 75      | 0.43       | 0.068      | 13       | 25.7     | 0.87      | 253.9    | 0.112      | 1       | 2.05       | 0.01       | 0.19      | 0.2     | 50       | 4.8      | 0.21     |
| 11TB1035A | 22.4     | 0.18     | 0.16     | 0.09     | 66      | 0.34       | 0.06       | 10       | 18.8     | 0.66      | 191.4    | 0.083      | 0.49    | 1.6        | 0.011      | 0.11      | 0.2     | 43       | 3.8      | 0.14     |
| 11TB1036A | 35.7     | 0.91     | 0.19     | 0.08     | 72      | 0.92       | 0.074      | 14       | 19.8     | 1.06      | 308.5    | 0.154      | 0.49    | 2.04       | 0.012      | 0.38      | 0.1     | 46       | 4.7      | 0.2      |
| 11TB1037A | 28.7     | 2.76     | 0.23     | 0.1      | 59      | 0.74       | 0.068      | 7.1      | 19.3     | 0.64      | 373.9    | 0.103      | 0.49    | 1.4        | 0.016      | 0.22      | 0.1     | 68       | 2.8      | 0.1      |
| 11TB1038A | 30.9     | 0.77     | 0.21     | 0.1      | 33      | 0.48       | 0.079      | 6.1      | 11.5     | 0.26      | 490.9    | 0.045      | 0.49    | 0.74       | 0.014      | 0.12      | 0.1     | 95       | 1.5      | 0.07     |
| 11TB1039A | 26.3     | 1.28     | 0.26     | 0.13     | 52      | 0.4        | 0.075      | 6.5      | 20.7     | 0.46      | 582.9    | 0.085      | 0.49    | 1.35       | 0.014      | 0.19      | 0.049   | 25       | 2.8      | 0.12     |
| 11TB1040A | 40.6     | 0.62     | 0.13     | 0.09     | 59      | 0.93       | 0.084      | 5        | 19.2     | 0.82      | 419.9    | 0.186      | 1       | 1.55       | 0.009      | 0.65      | 0.1     | 21       | 2.2      | 0.24     |
| 11TB1042A | 48.1     | 2.05     | 0.2      | 0.09     | 22      | 0.9        | 0.097      | 14.8     | 11       | 0.21      | 649.7    | 0.031      | 0.49    | 0.78       | 0.017      | 0.1       | 0.049   | 124      | 1.4      | 0.06     |
| 11TB1043A | 25.1     | 0.93     | 0.21     | 0.12     | 31      | 0.36       | 0.097      | 8.2      | 14.7     | 0.2       | 275.1    | 0.056      | 0.49    | 0.98       | 0.014      | 0.11      | 0.049   | 50       | 2.3      | 0.08     |
| 11TB1044A | 92.2     | 2.37     | 0.17     | 0.29     | 20      | 2.31       | 0.311      | 21.5     | 11       | 0.24      | 1087.7   | 0.036      | 2       | 1.05       | 0.014      | 0.15      | 0.049   | 81       | 3        | 0.04     |
| 11TB1045A | 137.2    | 2.73     | 0.19     | 0.09     | 11      | 5.13       | 0.311      | 16.9     | 9.5      | 0.22      | 933.7    | 0.023      | 5       | 0.86       | 0.016      | 0.18      | 0.049   | 105      | 2.3      | 0.08     |
| 11TB1046A | 40.4     | 4.71     | 0.25     | 0.16     | 31      | 0.63       | 0.143      | 14.7     | 15.8     | 0.21      | 375.1    | 0.032      | 0.49    | 1.2        | 0.015      | 0.09      | 0.049   | 76       | 2.4      | 0.05     |
| 11TB1047A | 102      | 7.04     | 0.27     | 0.25     | 30      | 1.33       | 0.451      | 30       | 19.5     | 0.25      | 1134.8   | 0.042      | 2       | 2.09       | 0.019      | 0.22      | 0.049   | 41       | 5.9      | 0.12     |
| 11AN0300A | 61.4     | 0.24     | 0.28     | 0.1      | 30      | 1.73       | 0.058      | 12.3     | 13.2     | 0.34      | 835.3    | 0.027      | 2       | 0.98       | 0.015      | 0.05      | 0.1     | 54       | 2.9      | 0.03     |
| 11AN0302A | 32.8     | 0.19     | 0.28     | 0.17     | 57      | 0.24       | 0.055      | 7.9      | 16.1     | 0.22      | 263.7    | 0.061      | 1       | 1.09       | 0.011      | 0.07      | 0.049   | 13       | 2.1      | 0.06     |
| 11AN0303A | 62.8     | 0.18     | 0.22     | 0.09     | 52      | 0.3        | 0.091      | 6        | 13.7     | 0.45      | 206.5    | 0.035      | 2       | 1.75       | 0.013      | 0.07      | 0.049   | 42       | 2.6      | 0.05     |
| 11AN0304A | 28.1     | 0.31     | 0.39     | 0.16     | 54      | 0.19       | 0.086      | 7.5      | 18.4     | 0.31      | 209.1    | 0.069      | 3       | 1.08       | 0.011      | 0.07      | 0.2     | 55       | 2        | 0.09     |
| 11AN0305A | 29.9     | 0.44     | 0.35     | 0.14     | 46      | 0.28       | 0.076      | 5.7      | 15.6     | 0.21      | 188.4    | 0.04       | 2       | 1          | 0.01       | 0.06      | 0.049   | 54       | 1.2      | 0.05     |
| 11AN0306A | 13.3     | 0.11     | 0.24     | 0.18     | 42      | 0.13       | 0.035      | 8.5      | 14.7     | 0.15      | 111.2    | 0.05       | 0.49    | 0.8        | 0.008      | 0.04      | 0.049   | 27       | 1.3      | 0.06     |
| 11AN0307A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0308A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0309A | 22       | 0.21     | 0.12     | 0.08     | 19      | 0.16       | 0.034      | 5.7      | 9.3      | 0.07      | 167.8    | 0.017      | 1       | 0.41       | 0.019      | 0.04      | 0.049   | 34       | 0.7      | 0.04     |
| 11AN0310A | 32.7     | 0.24     | 0.14     | 0.09     | 47      | 0.38       | 0.08       | 5        | 10.6     | 0.36      | 179.4    | 0.063      | 2       | 1.13       | 0.015      | 0.08      | 0.049   | 37       | 2.6      | 0.05     |
| 11AN0311A | 77.4     | 0.44     | 0.3      | 0.1      | 54      | 0.96       | 0.071      | 14.3     | 15.8     | 0.46      | 373.8    | 0.046      | 1       | 1.61       | 0.014      | 0.07      | 0.2     | 67       | 4.3      | 0.07     |
| 11AN0312A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0313A | 72.9     | 0.37     | 0.4      | 0.09     | 31      | 1.22       | 0.08       | 7.4      | 17.1     | 0.42      | 223      | 0.048      | 4       | 0.86       | 0.019      | 0.06      | 0.1     | 67       | 2.3      | 0.07     |
| 11AN0314A | 27.5     | 0.39     | 0.27     | 0.12     | 48      | 0.37       | 0.058      | 10.1     | 27.3     | 0.46      | 268.1    | 0.05       | 1       | 1.33       | 0.01       | 0.06      | 0.1     | 60       | 3.3      | 0.07     |
| 11AN0315A | 80.9     | 0.32     | 0.3      | 0.39     | 38      | 2.28       | 0.111      | 9.7      | 49.2     | 0.75      | 729      | 0.1        | 0.49    | 1.38       | 0.017      | 0.11      | 0.049   | 89       | 3.4      | 0.16     |
| 11AN0316A | 47.1     | 0.39     | 0.24     | 0.11     | 34      | 1.03       | 0.091      | 7.3      | 17.9     | 0.38      | 443.5    | 0.051      | 2       | 0.87       | 0.015      | 0.05      | 0.049   | 50       | 1.8      | 0.11     |
| 11AN0317A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0318A | 39       | 0.13     | 0.21     | 0.08     | 55      | 0.55       | 0.09       | 7.9      | 21.9     | 0.8       | 299.6    | 0.167      | 2       | 1.62       | 0.011      | 0.2       | 0.1     | 37       | 3        | 0.23     |
| 11AN0319A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0320A | 19.7     | 0.07     | 0.18     | 0.09     | 65      | 0.25       | 0.051      | 5.8      | 20.2     | 0.67      | 139.2    | 0.143      | 0.49    | 1.5        | 0.009      | 0.18      | 0.1     | 28       | 2.6      | 0.18     |
| 11AN0322A | 27       | 0.1      | 0.21     | 0.08     | 50      | 0.45       | 0.073      | 8.5      | 22.4     | 0.71      | 234.6    | 0.117      | 0.49    | 1.59       | 0.011      | 0.12      | 0.1     | 50       | 3.1      | 0.16     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0323A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0324A | 23       | 0.11     | 0.2      | 0.09     | 58      | 0.42       | 0.073      | 9.3      | 25.6     | 0.8       | 183.7    | 0.133      | 1       | 1.73       | 0.013      | 0.09      | 0.2     | 40       | 3.7      | 0.17     |
| 11AN0325A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0326A | 25.8     | 0.12     | 0.21     | 0.1      | 45      | 0.37       | 0.078      | 11       | 19       | 0.53      | 205.6    | 0.105      | 2       | 1.33       | 0.012      | 0.09      | 0.2     | 51       | 3.2      | 0.13     |
| 11AN0327A | 27.4     | 0.17     | 0.26     | 0.09     | 32      | 0.33       | 0.087      | 11.5     | 17.1     | 0.34      | 196.3    | 0.056      | 1       | 1.2        | 0.013      | 0.04      | 0.2     | 64       | 2.6      | 0.08     |
| 11AN0328A | 17.8     | 0.12     | 0.2      | 0.11     | 39      | 0.24       | 0.06       | 8.4      | 20.8     | 0.39      | 104.6    | 0.066      | 2       | 1.24       | 0.012      | 0.06      | 0.1     | 58       | 2.5      | 0.09     |
| 11AN0329A | 50.1     | 0.28     | 0.28     | 0.27     | 41      | 1.12       | 0.053      | 12.1     | 15.9     | 0.44      | 435.5    | 0.113      | 2       | 0.97       | 0.022      | 0.16      | 0.2     | 87       | 4.3      | 0.16     |
| 11CB0993A | 80.3     | 2.48     | 0.24     | 0.14     | 20      | 1.41       | 0.425      | 13.8     | 12.5     | 0.15      | 560.2    | 0.024      | 2       | 1.11       | 0.025      | 0.16      | 0.049   | 32       | 2.1      | 0.07     |
| 11CB0994A | 49.7     | 2.49     | 0.28     | 0.22     | 36      | 0.58       | 0.327      | 18.7     | 20.2     | 0.17      | 1062.9   | 0.03       | 0.49    | 1.66       | 0.026      | 0.18      | 0.049   | 18       | 5        | 0.06     |
| 11CB0995A | 87.1     | 0.3      | 0.28     | 0.11     | 36      | 2.42       | 0.083      | 9.9      | 18.7     | 0.37      | 1063.3   | 0.024      | 3       | 1.29       | 0.016      | 0.05      | 0.1     | 59       | 2.5      | 0.07     |
| 11CB0996A | 91.8     | 0.3      | 0.26     | 0.09     | 30      | 2.6        | 0.083      | 8.9      | 14.4     | 0.33      | 1023.8   | 0.021      | 4       | 1.08       | 0.014      | 0.04      | 0.1     | 74       | 2        | 0.06     |
| 11CB0997A | 49       | 0.6      | 0.37     | 0.17     | 46      | 0.97       | 0.078      | 19.7     | 18.5     | 0.48      | 834.6    | 0.032      | 1       | 1.37       | 0.018      | 0.06      | 0.2     | 65       | 2.5      | 0.06     |
| 11CB0998A | 52.7     | 0.49     | 0.54     | 0.08     | 26      | 1          | 0.071      | 10.8     | 13.4     | 0.33      | 467.2    | 0.034      | 2       | 0.96       | 0.017      | 0.04      | 0.2     | 74       | 2        | 0.06     |
| 11CB0999A | 60.9     | 0.54     | 0.58     | 0.08     | 40      | 1.15       | 0.105      | 12.6     | 15.7     | 0.46      | 393.4    | 0.046      | 2       | 1.15       | 0.019      | 0.06      | 0.2     | 63       | 2.7      | 0.06     |
| 11CB1000A | 77.2     | 0.35     | 0.38     | 0.08     | 48      | 1.09       | 0.074      | 4.7      | 19.6     | 0.44      | 651.2    | 0.056      | 2       | 1.3        | 0.015      | 0.12      | 0.1     | 80       | 1.8      | 0.1      |
| 11CB1002A | 154.3    | 0.49     | 0.14     | 0.0099   | 8       | 2.42       | 0.14       | 1.1      | 5.4      | 0.16      | 724.5    | 0.009      | 4       | 0.25       | 0.013      | 0.15      | 0.049   | 197      | 0.5      | 0.1      |
| 11CB1003A | 33       | 0.47     | 0.21     | 0.05     | 19      | 0.12       | 0.098      | 2.5      | 7.5      | 0.08      | 200.1    | 0.003      | 1       | 0.5        | 0.017      | 0.05      | 0.049   | 83       | 0.3      | 0.03     |
| 11CB1004A | 30.6     | 0.52     | 0.22     | 0.06     | 22      | 0.13       | 0.109      | 2.8      | 9.3      | 0.09      | 168.6    | 0.002      | 1       | 0.61       | 0.017      | 0.05      | 0.049   | 77       | 0.2      | 0.03     |
| 11CB1005A | 77.6     | 0.23     | 0.21     | 0.06     | 31      | 0.65       | 0.12       | 12.3     | 16.1     | 0.26      | 443.1    | 0.027      | 1       | 1.54       | 0.017      | 0.05      | 0.049   | 79       | 1.6      | 0.06     |
| 11CB1006A | 76.7     | 0.25     | 0.24     | 0.08     | 44      | 0.66       | 0.111      | 13.2     | 19.2     | 0.35      | 479.8    | 0.036      | 0.49    | 1.89       | 0.018      | 0.07      | 0.049   | 78       | 2.5      | 0.07     |
| 11CB1007A | 46.3     | 0.2      | 0.46     | 0.07     | 50      | 0.57       | 0.091      | 11.4     | 27.4     | 0.58      | 236.5    | 0.075      | 2       | 1.44       | 0.036      | 0.07      | 0.1     | 51       | 3.3      | 0.1      |
| 11CB1008A | 44.8     | 0.19     | 0.43     | 0.08     | 50      | 0.57       | 0.09       | 11.2     | 26.6     | 0.57      | 227.2    | 0.079      | 1       | 1.42       | 0.034      | 0.07      | 0.2     | 35       | 3.3      | 0.09     |
| 11CB1009A | 125.9    | 0.4      | 0.27     | 0.02     | 14      | 2.73       | 0.108      | 4.3      | 9.2      | 0.37      | 1507.2   | 0.015      | 4       | 0.56       | 0.016      | 0.04      | 0.049   | 75       | 1.6      | 0.08     |
| 11CB1010A | 114.9    | 0.44     | 0.29     | 0.59     | 20      | 2.77       | 0.104      | 3.8      | 8.3      | 0.35      | 1692.5   | 0.017      | 5       | 0.55       | 0.016      | 0.05      | 0.049   | 79       | 1.7      | 0.16     |
| 11CB1011A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1012A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1013A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1014A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1015A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1016A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1018A | 23.3     | 0.12     | 0.21     | 0.11     | 47      | 0.37       | 0.073      | 8.5      | 23.8     | 0.49      | 221.1    | 0.068      | 1       | 1.37       | 0.019      | 0.06      | 0.1     | 57       | 2.4      | 0.11     |
| 11CB1019A | 37.6     | 0.16     | 0.22     | 0.1      | 56      | 0.43       | 0.084      | 12.8     | 20.6     | 0.58      | 281.8    | 0.092      | 2       | 1.52       | 0.017      | 0.17      | 0.049   | 60       | 3.8      | 0.15     |
| 11CB1020A | 90.1     | 1.31     | 0.18     | 0.09     | 56      | 1.61       | 0.267      | 17       | 19.1     | 0.69      | 1140.8   | 0.125      | 4       | 1.44       | 0.018      | 0.36      | 0.049   | 10       | 4.6      | 0.1      |
| 11CB1022A | 59.1     | 0.62     | 0.19     | 0.11     | 76      | 0.84       | 0.193      | 16.4     | 29.5     | 0.89      | 564.6    | 0.17       | 2       | 1.97       | 0.02       | 0.4       | 0.049   | 2.49     | 5.4      | 0.17     |
| 11CB1023A | 43       | 0.3      | 0.21     | 0.12     | 77      | 0.54       | 0.156      | 17.3     | 32.6     | 0.93      | 370      | 0.178      | 1       | 2.04       | 0.018      | 0.36      | 0.049   | 6        | 5.3      | 0.16     |
| 11CB1024A | 52.2     | 0.5      | 0.21     | 0.12     | 71      | 0.66       | 0.21       | 21.4     | 29.7     | 0.84      | 527.7    | 0.168      | 2       | 1.95       | 0.017      | 0.35      | 0.1     | 5        | 5.7      | 0.13     |
| 11DS1011A | 75       | 0.85     | 0.59     | 0.73     | 25      | 2.25       | 0.085      | 19.7     | 11.8     | 0.29      | 1067.1   | 0.018      | 4       | 1.21       | 0.013      | 0.07      | 0.049   | 87       | 1.7      | 0.11     |
| 11DS1012A | 66.6     | 1.41     | 0.26     | 0.22     | 22      | 0.82       | 0.086      | 3.1      | 10.1     | 0.18      | 644.3    | 0.022      | 3       | 0.42       | 0.015      | 0.1       | 0.049   | 128      | 1        | 0.05     |
| 11DS1013A | 35.7     | 1.05     | 0.32     | 0.22     | 30      | 0.3        | 0.08       | 4.7      | 11.2     | 0.13      | 424.7    | 0.017      | 1       | 0.56       | 0.014      | 0.05      | 0.049   | 62       | 0.5      | 0.05     |
| 11DS1014A | 26       | 0.96     | 0.28     | 0.22     | 22      | 0.15       | 0.102      | 3.8      | 11.1     | 0.1       | 291.1    | 0.002      | 1       | 0.55       | 0.015      | 0.05      | 0.049   | 78       | 0.2      | 0.05     |
| 11DS1015A | 29.5     | 0.57     | 0.17     | 0.15     | 17      | 0.1        | 0.1        | 2.8      | 9.7      | 0.09      | 201.5    | 0.003      | 2       | 0.56       | 0.01       | 0.06      | 0.049   | 116      | 0.2      | 0.03     |
| 11DS1016A | 29.3     | 0.38     | 0.2      | 0.15     | 15      | 0.16       | 0.092      | 5.6      | 11       | 0.08      | 159.1    | 0.004      | 2       | 0.66       | 0.011      | 0.05      | 0.049   | 99       | 0.2      | 0.04     |
| 11DS1017A | 34.9     | 0.39     | 0.14     | 0.17     | 14      | 0.17       | 0.087      | 8        | 11.6     | 0.07      | 169.9    | 0.008      | 1       | 0.67       | 0.013      | 0.05      | 0.049   | 88       | 0.5      | 0.03     |
| 11DS1018A | 57.6     | 0.36     | 0.21     | 0.11     | 15      | 0.5        | 0.081      | 10.3     | 11.2     | 0.12      | 210.7    | 0.006      | 2       | 0.82       | 0.014      | 0.04      | 0.049   | 82       | 0.3      | 0.03     |
| 11DS1019A | 74.5     | 0.31     | 0.31     | 0.13     | 27      | 1.6        | 0.1        | 13.3     | 10.1     | 0.17      | 621.1    | 0.015      | 3       | 1.07       | 0.011      | 0.06      | 0.049   | 75       | 1.8      | 0.06     |
| 11DS1020A | 113.5    | 0.12     | 0.37     | 0.1      | 8       | 2.76       | 0.098      | 4        | 4.7      | 0.15      | 827.8    | 0.01       | 5       | 0.5        | 0.013      | 0.02      | 0.049   | 77       | 0.9      | 0.04     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS1022A | 96.4     | 0.46     | 0.5      | 0.13     | 13      | 1.93       | 0.121      | 16.5     | 8.4      | 0.17      | 624.2    | 0.014      | 4       | 0.57       | 0.014      | 0.03      | 0.049   | 85       | 1.3      | 0.06     |
| 11DS1023A | 100.2    | 0.44     | 0.62     | 0.08     | 18      | 1.61       | 0.103      | 15.3     | 9.7      | 0.19      | 566.3    | 0.013      | 4       | 0.81       | 0.011      | 0.04      | 0.049   | 106      | 1        | 0.07     |
| 11DS1024A | 55.4     | 1.1      | 0.46     | 0.43     | 24      | 1.09       | 0.07       | 8.6      | 14.8     | 0.29      | 270.2    | 0.031      | 3       | 0.72       | 0.017      | 0.06      | 0.1     | 102      | 1.7      | 0.06     |
| 11DS1025A | 98.4     | 0.72     | 0.62     | 0.16     | 21      | 2.49       | 0.093      | 5.5      | 11.2     | 0.39      | 311.5    | 0.02       | 13      | 0.58       | 0.018      | 0.06      | 0.049   | 84       | 1        | 0.08     |
| 11DS1026A | 95.3     | 0.5      | 0.34     | 0.07     | 9       | 2.28       | 0.093      | 5.7      | 6        | 0.29      | 888.4    | 0.009      | 4       | 0.4        | 0.014      | 0.02      | 0.049   | 104      | 0.9      | 0.07     |
| 11DS1027A | 78.9     | 0.46     | 0.37     | 0.1      | 45      | 1.62       | 0.105      | 10.4     | 27.6     | 0.54      | 707.5    | 0.029      | 3       | 0.99       | 0.016      | 0.04      | 0.049   | 83       | 3.8      | 0.11     |
| 11DS1028A | 75.3     | 0.24     | 0.34     | 0.09     | 12      | 1.46       | 0.1        | 9.2      | 11.5     | 0.29      | 578.8    | 0.015      | 3       | 0.47       | 0.015      | 0.03      | 0.049   | 105      | 1.4      | 0.06     |
| 11DS1029A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1030A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1031A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1032A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1033A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1034A | 40.2     | 0.48     | 0.21     | 0.06     | 15      | 0.57       | 0.177      | 23.2     | 7.7      | 0.2       | 398.5    | 0.012      | 1       | 0.68       | 0.012      | 0.1       | 0.049   | 148      | 0.8      | 0.07     |
| 11DS1035A | 19.5     | 0.93     | 0.21     | 0.09     | 27      | 0.14       | 0.087      | 12       | 13.2     | 0.19      | 330      | 0.008      | 0.49    | 0.72       | 0.016      | 0.1       | 0.049   | 102      | 0.4      | 0.07     |
| 11DS1036A | 38       | 0.7      | 0.15     | 0.09     | 24      | 0.55       | 0.12       | 12.1     | 14.9     | 0.32      | 471.7    | 0.02       | 1       | 0.86       | 0.013      | 0.17      | 0.049   | 128      | 0.8      | 0.08     |
| 11DS1037A | 51.1     | 0.94     | 0.19     | 0.08     | 21      | 0.83       | 0.137      | 16.8     | 11.8     | 0.25      | 632.8    | 0.018      | 2       | 0.71       | 0.019      | 0.1       | 0.049   | 102      | 1.1      | 0.05     |
| 11DS1038A | 30.7     | 0.28     | 0.21     | 0.09     | 38      | 1.32       | 0.066      | 8.8      | 15.6     | 0.38      | 166.2    | 0.063      | 3       | 1.05       | 0.015      | 0.14      | 0.1     | 60       | 2.8      | 0.12     |
| 11DS1039A | 59.8     | 1.23     | 0.2      | 0.1      | 23      | 1.1        | 0.107      | 10.9     | 12.1     | 0.26      | 770.7    | 0.032      | 2       | 0.7        | 0.018      | 0.13      | 0.049   | 140      | 1.7      | 0.08     |
| 11TB1048A | 43.6     | 1.67     | 0.17     | 0.3      | 28      | 0.65       | 0.166      | 10.3     | 14.4     | 0.16      | 334.7    | 0.032      | 0.49    | 1.05       | 0.019      | 0.13      | 0.049   | 0        | 2.4      | 0.07     |
| 11TB1049A | 19.6     | 0.21     | 0.14     | 0.14     | 37      | 0.34       | 0.077      | 7.1      | 14.2     | 0.13      | 330.8    | 0.02       | 0.49    | 0.9        | 0.016      | 0.14      | 0.049   | 0        | 1.3      | 0.06     |
| 11TB1050A | 103.4    | 0.69     | 0.23     | 0.26     | 36      | 2.43       | 0.201      | 6.6      | 13       | 0.16      | 692.8    | 0.034      | 1       | 0.78       | 0.018      | 0.14      | 0.049   | 14       | 1.8      | 0.09     |
| 11TB1051A | 71.5     | 0.69     | 0.18     | 0.35     | 11      | 1.46       | 0.285      | 2.4      | 5.1      | 0.13      | 383.2    | 0.006      | 4       | 0.52       | 0.021      | 0.13      | 0.049   | 54       | 0.5      | 0.12     |
| 11TB1052A | 16.7     | 0.48     | 0.16     | 0.17     | 26      | 0.09       | 0.077      | 5.1      | 10.5     | 0.07      | 153.5    | 0.014      | 0.49    | 0.57       | 0.017      | 0.04      | 0.049   | 42       | 0.3      | 0.08     |
| 11TB1053A | 72.4     | 1.08     | 0.2      | 0.1      | 26      | 1.31       | 0.212      | 5.4      | 11.8     | 0.17      | 325.6    | 0.02       | 2       | 0.73       | 0.022      | 0.11      | 0.049   | 55       | 0.9      | 0.09     |
| 11TB1054A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1055A | 38.1     | 0.17     | 0.3      | 0.06     | 48      | 0.48       | 0.084      | 8.2      | 17.6     | 0.46      | 184.5    | 0.056      | 1       | 1.28       | 0.015      | 0.05      | 0.1     | 61       | 2.5      | 0.08     |
| 11TB1056A | 34.7     | 0.2      | 0.26     | 0.08     | 47      | 0.37       | 0.064      | 9.7      | 20       | 0.41      | 198.1    | 0.048      | 0.49    | 1.35       | 0.014      | 0.05      | 0.1     | 50       | 2.4      | 0.09     |
| 11TB1057A | 35.6     | 0.11     | 0.26     | 0.05     | 59      | 0.45       | 0.097      | 12       | 16.3     | 0.46      | 218.6    | 0.046      | 0.49    | 1.4        | 0.014      | 0.05      | 0.1     | 30       | 3.5      | 0.11     |
| 11TB1058A | 40.3     | 0.82     | 0.29     | 0.13     | 31      | 0.31       | 0.095      | 9.4      | 16.2     | 0.24      | 332.7    | 0.02       | 1       | 1.09       | 0.016      | 0.07      | 0.049   | 93       | 0.9      | 0.08     |
| 11TB1059A | 36.7     | 0.52     | 0.31     | 0.13     | 44      | 0.28       | 0.073      | 7.7      | 20.2     | 0.27      | 236.2    | 0.039      | 1       | 1.32       | 0.014      | 0.1       | 0.1     | 86       | 1.4      | 0.1      |
| 11TB1060A | 31.9     | 0.21     | 0.29     | 0.06     | 37      | 0.41       | 0.066      | 7.4      | 18.4     | 0.35      | 169.5    | 0.051      | 2       | 1.07       | 0.017      | 0.05      | 0.2     | 70       | 2.1      | 0.07     |
| 11TB1062A | 31       | 0.69     | 0.43     | 0.06     | 51      | 0.48       | 0.063      | 10.1     | 25.1     | 0.5       | 165.4    | 0.068      | 2       | 1.23       | 0.028      | 0.08      | 0.1     | 31       | 3        | 0.09     |
| 11TB1063A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1064A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1065A | 44.1     | 0.75     | 0.31     | 0.1      | 39      | 0.96       | 0.104      | 19.5     | 16.6     | 0.38      | 709.2    | 0.046      | 2       | 1.19       | 0.013      | 0.11      | 0.049   | 133      | 3.3      | 0.12     |
| 11TB1066A | 63.4     | 0.47     | 0.26     | 0.0099   | 18      | 1.47       | 0.083      | 14.5     | 8.4      | 0.25      | 540.8    | 0.032      | 2       | 0.56       | 0.019      | 0.07      | 0.049   | 99       | 1.5      | 0.1      |
| 11TB1067A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1068A | 24.1     | 0.2      | 0.23     | 0.05     | 69      | 0.4        | 0.087      | 16.2     | 29       | 0.75      | 338.4    | 0.147      | 0.49    | 1.97       | 0.015      | 0.16      | 0.049   | 7        | 5.4      | 0.16     |
| 11TB1069A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1070A | 24.7     | 0.14     | 0.24     | 0.0099   | 25      | 0.37       | 0.13       | 10.8     | 12       | 0.25      | 323.3    | 0.025      | 0.49    | 0.74       | 0.013      | 0.1       | 0.049   | 157      | 1.6      | 0.11     |
| 11TB1071A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1072A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1073A | 43.9     | 0.98     | 0.24     | 0.06     | 30      | 0.68       | 0.14       | 14.9     | 15.3     | 0.29      | 455      | 0.044      | 1       | 0.85       | 0.018      | 0.12      | 0.049   | 114      | 2.3      | 0.14     |
| 11TB1074A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1075A | 17       | 0.23     | 0.23     | 0.05     | 64      | 0.26       | 0.053      | 8.2      | 24.5     | 0.43      | 211.4    | 0.089      | 0.49    | 1.06       | 0.017      | 0.07      | 0.1     | 82       | 3.1      | 0.11     |
| 11TB1076A | 39.6     | 1.29     | 0.22     | 0.06     | 41      | 0.74       | 0.078      | 4.7      | 15       | 0.28      | 607      | 0.061      | 1       | 0.66       | 0.019      | 0.12      | 0.049   | 91       | 1.5      | 0.13     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB1077A | 19       | 0.52     | 0.32     | 0.03     | 48      | 0.25       | 0.05       | 5.5      | 17       | 0.23      | 275.2    | 0.058      | 0.49    | 0.83       | 0.015      | 0.05      | 0.1     | 80       | 1.6      | 0.11     |
| 11AN0330A | 37.6     | 0.24     | 0.28     | 0.16     | 90      | 0.73       | 0.1        | 30.1     | 29.1     | 0.99      | 562.1    | 0.168      | 2       | 2.26       | 0.02       | 0.29      | 0.1     | 7        | 7.6      | 0.16     |
| 11AN0331A | 23.6     | 0.36     | 0.22     | 0.16     | 69      | 0.36       | 0.089      | 13.9     | 25.8     | 0.68      | 416.5    | 0.132      | 2       | 1.69       | 0.019      | 0.22      | 0.1     | 42       | 5.1      | 0.15     |
| 11AN0332A | 14.4     | 0.35     | 0.17     | 0.14     | 46      | 0.16       | 0.081      | 8.2      | 15.4     | 0.45      | 245.4    | 0.054      | 1       | 1.08       | 0.016      | 0.2       | 0.049   | 54       | 1.7      | 0.12     |
| 11AN0333A | 19.1     | 0.66     | 0.19     | 0.17     | 24      | 0.18       | 0.145      | 10.7     | 13.4     | 0.14      | 498.9    | 0.028      | 1       | 0.69       | 0.02       | 0.08      | 0.049   | 71       | 1        | 0.07     |
| 11AN0334A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0335A | 59.8     | 1.04     | 0.27     | 0.13     | 49      | 0.95       | 0.099      | 42.2     | 16.1     | 0.47      | 1127.2   | 0.071      | 2       | 1.32       | 0.023      | 0.17      | 0.049   | 109      | 6.9      | 0.13     |
| 11AN0336A | 42.3     | 0.77     | 0.36     | 0.1      | 73      | 0.72       | 0.124      | 38.9     | 18.6     | 0.67      | 598.7    | 0.105      | 1       | 1.7        | 0.022      | 0.28      | 0.1     | 106      | 10.4     | 0.21     |
| 11AN0337A | 33.1     | 0.59     | 0.3      | 0.11     | 71      | 0.56       | 0.145      | 25.6     | 18.7     | 0.71      | 481.6    | 0.133      | 1       | 1.64       | 0.018      | 0.36      | 0.1     | 71       | 9.3      | 0.29     |
| 11AN0338A | 57.6     | 1.43     | 0.43     | 0.15     | 44      | 1.09       | 0.076      | 13       | 22.1     | 0.53      | 288.6    | 0.069      | 2       | 1.43       | 0.021      | 0.08      | 0.2     | 59       | 3.5      | 0.09     |
| 11AN0339A | 74.6     | 1.17     | 0.53     | 0.32     | 39      | 1.28       | 0.107      | 14.1     | 19.2     | 0.5       | 484.3    | 0.041      | 2       | 1.26       | 0.019      | 0.08      | 0.1     | 100      | 3.1      | 0.1      |
| 11AN0340A | 120.8    | 0.2      | 0.55     | 0.09     | 9       | 4.33       | 0.098      | 7.4      | 7.2      | 0.22      | 1356.2   | 0.009      | 9       | 0.43       | 0.016      | 0.02      | 0.049   | 107      | 1.5      | 0.03     |
| 11AN0342A | 58.2     | 0.48     | 0.21     | 0.15     | 42      | 0.47       | 0.099      | 9.8      | 16       | 0.27      | 445.9    | 0.068      | 1       | 1.18       | 0.02       | 0.14      | 0.049   | 5        | 3.1      | 0.05     |
| 11AN0343A | 108.8    | 0.57     | 0.36     | 0.16     | 53      | 1.19       | 0.112      | 15.3     | 29.8     | 0.48      | 561.6    | 0.065      | 1       | 1.75       | 0.021      | 0.09      | 0.049   | 22       | 4.1      | 0.06     |
| 11AN0344A | 45.5     | 0.21     | 0.34     | 0.15     | 61      | 0.27       | 0.066      | 7.8      | 20.8     | 0.36      | 186.7    | 0.076      | 0.49    | 1.49       | 0.014      | 0.06      | 0.1     | 33       | 2.3      | 0.08     |
| 11AN0345A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11AN0346A | 48.8     | 0.44     | 0.26     | 0.15     | 26      | 0.35       | 0.09       | 12.8     | 17       | 0.21      | 329.5    | 0.042      | 0.49    | 1.11       | 0.017      | 0.06      | 0.049   | 85       | 2.3      | 0.06     |
| 11AN0347A | 44       | 0.52     | 0.32     | 0.14     | 33      | 0.42       | 0.117      | 7.4      | 16.7     | 0.22      | 579.3    | 0.039      | 0.49    | 0.83       | 0.017      | 0.14      | 0.049   | 69       | 1.8      | 0.05     |
| 11AN0348A | 17       | 0.38     | 0.14     | 0.24     | 24      | 0.12       | 0.054      | 5.9      | 12.5     | 0.09      | 162.6    | 0.034      | 0.49    | 0.51       | 0.015      | 0.06      | 0.049   | 34       | 1        | 0.03     |
| 11AN0349A | 36.4     | 0.23     | 0.21     | 0.16     | 41      | 0.21       | 0.041      | 6.7      | 14.9     | 0.2       | 165.4    | 0.044      | 0.49    | 0.94       | 0.015      | 0.05      | 0.049   | 37       | 1.3      | 0.05     |
| 11AN0350A | 43.6     | 0.57     | 0.21     | 0.12     | 30      | 0.32       | 0.11       | 11       | 13.8     | 0.19      | 271.2    | 0.015      | 0.49    | 0.97       | 0.014      | 0.07      | 0.049   | 83       | 0.8      | 0.04     |
| 11AN0351A | 110.8    | 0.18     | 0.82     | 0.32     | 22      | 2.51       | 0.109      | 7.6      | 9.8      | 0.22      | 356.8    | 0.02       | 8       | 0.61       | 0.02       | 0.05      | 0.1     | 104      | 1.7      | 0.08     |
| 11AN0352A | 67.1     | 0.3      | 0.51     | 0.12     | 38      | 0.8        | 0.105      | 9.9      | 20.4     | 0.37      | 304.6    | 0.034      | 3       | 1.04       | 0.014      | 0.06      | 0.2     | 75       | 2.1      | 0.05     |
| 11CB1025A | 27.5     | 0.65     | 0.26     | 0.12     | 53      | 0.5        | 0.089      | 9        | 15.8     | 0.47      | 593.4    | 0.097      | 2       | 1.07       | 0.026      | 0.25      | 0.049   | 118      | 2.7      | 0.15     |
| 11CB1026A | 34.6     | 0.98     | 0.18     | 0.07     | 36      | 0.8        | 0.12       | 3.9      | 9.6      | 0.4       | 1093.5   | 0.061      | 3       | 0.74       | 0.02       | 0.29      | 0.049   | 150      | 2.2      | 0.15     |
| 11CB1027A | 20       | 0.7      | 0.17     | 0.11     | 21      | 0.21       | 0.104      | 7.4      | 10       | 0.12      | 395.8    | 0.007      | 1       | 0.59       | 0.024      | 0.09      | 0.049   | 84       | 0.5      | 0.06     |
| 11CB1028A | 21.2     | 0.84     | 0.17     | 0.07     | 15      | 0.31       | 0.102      | 10.6     | 7.9      | 0.12      | 295.4    | 0.004      | 1       | 0.43       | 0.025      | 0.1       | 0.049   | 115      | 0.5      | 0.04     |
| 11CB1029A | 55.8     | 0.44     | 0.23     | 0.08     | 22      | 1.22       | 0.087      | 30.1     | 8.7      | 0.3       | 303.4    | 0.033      | 2       | 0.79       | 0.025      | 0.1       | 0.049   | 129      | 2.2      | 0.08     |
| 11CB1030A | 20.8     | 0.58     | 0.14     | 0.09     | 27      | 0.25       | 0.066      | 16.8     | 10.2     | 0.18      | 241.6    | 0.024      | 0.49    | 0.78       | 0.017      | 0.09      | 0.049   | 78       | 1.2      | 0.07     |
| 11CB1031A | 37.6     | 2.92     | 0.17     | 0.08     | 29      | 0.69       | 0.07       | 19.2     | 13.3     | 0.26      | 287.6    | 0.03       | 1       | 0.94       | 0.025      | 0.11      | 0.049   | 70       | 1.4      | 0.08     |
| 11CB1032A | 36.2     | 1.82     | 0.16     | 0.06     | 25      | 0.7        | 0.081      | 16.2     | 11.4     | 0.27      | 262.3    | 0.03       | 1       | 0.88       | 0.021      | 0.12      | 0.049   | 93       | 1.5      | 0.09     |
| 11CB1033A | 72.4     | 5.94     | 0.42     | 0.09     | 68      | 1.6        | 0.149      | 73.6     | 18.1     | 0.67      | 452      | 0.111      | 2       | 2.19       | 0.016      | 0.22      | 0.1     | 118      | 15.1     | 0.17     |
| 11CB1034A | 49.6     | 2.28     | 0.52     | 0.07     | 49      | 1.37       | 0.097      | 19.6     | 18.4     | 0.56      | 298      | 0.072      | 2       | 1.31       | 0.02       | 0.12      | 0.1     | 99       | 5.3      | 0.1      |
| 11CB1035A | 68.8     | 1.71     | 0.33     | 0.08     | 39      | 1.69       | 0.103      | 49.4     | 17.6     | 0.41      | 331.6    | 0.029      | 3       | 1.24       | 0.015      | 0.06      | 0.1     | 107      | 5        | 0.06     |
| 11CB1036A | 61.3     | 1.4      | 0.31     | 0.1      | 62      | 1.5        | 0.107      | 49.1     | 26       | 0.64      | 325.6    | 0.044      | 2       | 1.81       | 0.016      | 0.07      | 0.1     | 102      | 7        | 0.08     |
| 11CB1037A | 114.1    | 0.4      | 0.38     | 0.07     | 17      | 2          | 0.106      | 5.7      | 8.3      | 0.26      | 271.8    | 0.024      | 3       | 0.72       | 0.016      | 0.06      | 0.049   | 68       | 1.3      | 0.04     |
| 11CB1038A | 133.1    | 0.3      | 0.31     | 0.06     | 26      | 2.19       | 0.101      | 5.8      | 9.3      | 0.34      | 320.6    | 0.02       | 5       | 0.88       | 0.019      | 0.05      | 0.049   | 82       | 1        | 0.03     |
| 11CB1039A | 130      | 0.27     | 0.25     | 0.04     | 20      | 2.21       | 0.1        | 3.9      | 7.4      | 0.29      | 299.8    | 0.015      | 6       | 0.66       | 0.019      | 0.05      | 0.049   | 110      | 0.7      | 0.03     |
| 11CB1040A | 62.7     | 0.31     | 0.36     | 0.13     | 74      | 0.91       | 0.075      | 7.4      | 16.6     | 0.56      | 648.7    | 0.079      | 2       | 1.39       | 0.021      | 0.3       | 0.049   | 7        | 2.5      | 0.05     |
| 11CB1042A | 119.4    | 0.38     | 0.43     | 0.16     | 63      | 1.3        | 0.086      | 6.4      | 22       | 0.44      | 458.3    | 0.084      | 3       | 1.63       | 0.011      | 0.18      | 0.049   | 9        | 2        | 0.06     |
| 11CB1043A | 39.2     | 0.27     | 0.37     | 0.18     | 59      | 0.41       | 0.098      | 6.4      | 18.8     | 0.28      | 296.4    | 0.054      | 2       | 1.15       | 0.011      | 0.15      | 0.049   | 2.49     | 1.6      | 0.05     |
| 11CB1044A | 80.3     | 0.64     | 0.42     | 0.12     | 42      | 1.33       | 0.106      | 34.5     | 18.2     | 0.34      | 610.7    | 0.034      | 3       | 1.81       | 0.013      | 0.1       | 0.1     | 114      | 2.5      | 0.07     |
| 11CB1045A | 64.3     | 0.45     | 0.45     | 0.13     | 28      | 0.75       | 0.074      | 12       | 14       | 0.22      | 317.6    | 0.027      | 2       | 0.88       | 0.018      | 0.04      | 0.1     | 72       | 1.5      | 0.06     |
| 11CB1046A | 42.6     | 0.3      | 0.5      | 0.25     | 50      | 0.64       | 0.084      | 10.4     | 24.1     | 0.54      | 237.4    | 0.062      | 2       | 1.33       | 0.021      | 0.07      | 0.1     | 47       | 3.1      | 0.09     |
| 11CB1047A | 33.2     | 1.02     | 0.37     | 0.25     | 42      | 0.53       | 0.086      | 8.5      | 22.6     | 0.4       | 209      | 0.046      | 2       | 1.13       | 0.013      | 0.09      | 0.2     | 84       | 2.4      | 0.07     |
| 11DS1040A | 49.1     | 1.46     | 0.23     | 0.1      | 21      | 1.11       | 0.117      | 6.5      | 11.1     | 0.27      | 825.4    | 0.032      | 3       | 0.57       | 0.017      | 0.13      | 0.049   | 152      | 1.3      | 0.11     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS1042A | 25.8     | 1.11     | 0.18     | 0.11     | 34      | 0.34       | 0.085      | 11.5     | 15.2     | 0.29      | 609.5    | 0.028      | 0.49    | 0.76       | 0.014      | 0.14      | 0.049   | 74       | 1.6      | 0.07     |
| 11DS1043A | 27       | 1.7      | 0.18     | 0.11     | 13      | 0.29       | 0.109      | 6.8      | 8.7      | 0.08      | 326.4    | 0.004      | 0.49    | 0.43       | 0.017      | 0.08      | 0.049   | 137      | 0.3      | 0.05     |
| 11DS1044A | 33.8     | 1.69     | 0.23     | 0.1      | 26      | 0.52       | 0.114      | 11.6     | 11.5     | 0.2       | 687.5    | 0.033      | 2       | 0.57       | 0.022      | 0.16      | 0.049   | 123      | 1.3      | 0.12     |
| 11DS1045A | 49.8     | 0.71     | 0.24     | 0.07     | 10      | 1.08       | 0.106      | 17.7     | 7.6      | 0.14      | 299.3    | 0.015      | 2       | 0.51       | 0.015      | 0.05      | 0.049   | 128      | 0.9      | 0.04     |
| 11DS1046A | 20.3     | 5.23     | 0.15     | 0.1      | 14      | 0.18       | 0.103      | 2.7      | 8.2      | 0.08      | 289.1    | 0.00049    | 0.49    | 0.4        | 0.018      | 0.08      | 0.049   | 96       | 0.2      | 0.03     |
| 11DS1047A | 27.2     | 2.22     | 0.17     | 0.08     | 12      | 0.48       | 0.102      | 15.2     | 7.6      | 0.08      | 351.3    | 0.005      | 3       | 0.43       | 0.015      | 0.07      | 0.049   | 113      | 0.5      | 0.02     |
| 11DS1048A | 23.2     | 1.72     | 0.2      | 0.08     | 21      | 0.31       | 0.115      | 18       | 11.1     | 0.15      | 382.6    | 0.01       | 0.49    | 0.56       | 0.014      | 0.1       | 0.1     | 136      | 0.5      | 0.05     |
| 11DS1049A | 38.7     | 3.22     | 0.28     | 0.06     | 78      | 1.36       | 0.104      | 36.2     | 29.8     | 0.87      | 406.9    | 0.106      | 0.49    | 1.87       | 0.014      | 0.24      | 0.1     | 111      | 10.7     | 0.13     |
| 11DS1050A | 53.9     | 5.21     | 0.31     | 0.06     | 31      | 2.17       | 0.108      | 18.7     | 16.6     | 0.43      | 417.8    | 0.037      | 4       | 0.88       | 0.015      | 0.11      | 0.049   | 145      | 2.7      | 0.07     |
| 11DS1051A | 31       | 1.35     | 0.21     | 0.07     | 16      | 0.61       | 0.105      | 29.7     | 10.1     | 0.16      | 288.2    | 0.021      | 0.49    | 0.63       | 0.015      | 0.06      | 0.049   | 121      | 2.9      | 0.04     |
| 11DS1052A | 30.8     | 1.8      | 0.16     | 0.08     | 14      | 0.41       | 0.104      | 15.5     | 7.5      | 0.09      | 255      | 0.005      | 0.49    | 0.46       | 0.02       | 0.06      | 0.049   | 99       | 0.5      | 0.0099   |
| 11DS1053A | 62       | 0.77     | 0.47     | 0.07     | 13      | 1.43       | 0.168      | 33.6     | 7.6      | 0.2       | 396      | 0.014      | 2       | 0.62       | 0.012      | 0.08      | 0.049   | 167      | 1.7      | 0.06     |
| 11DS1054A | 60       | 0.76     | 0.26     | 0.08     | 21      | 1.55       | 0.094      | 27.7     | 10.7     | 0.23      | 567.5    | 0.012      | 1       | 0.9        | 0.013      | 0.04      | 0.049   | 96       | 1.5      | 0.04     |
| 11DS1055A | 79.4     | 0.39     | 0.26     | 0.07     | 27      | 2.43       | 0.089      | 11.9     | 13.2     | 0.3       | 625.4    | 0.022      | 5       | 0.87       | 0.014      | 0.04      | 0.049   | 92       | 2.7      | 0.04     |
| 11DS1056A | 84.2     | 0.36     | 0.31     | 0.05     | 16      | 2.3        | 0.093      | 13       | 8.7      | 0.21      | 525      | 0.02       | 6       | 0.7        | 0.014      | 0.04      | 0.049   | 100      | 2.3      | 0.03     |
| 11DS1057A | 120.8    | 0.13     | 0.25     | 0.03     | 13      | 3.19       | 0.082      | 1.7      | 5.3      | 0.17      | 328.4    | 0.009      | 8       | 0.22       | 0.016      | 0.03      | 0.049   | 86       | 0.7      | 0.02     |
| 11DS1058A | 138.8    | 0.26     | 0.38     | 0.08     | 35      | 1.53       | 0.096      | 7.5      | 12.8     | 0.3       | 373.6    | 0.037      | 2       | 1.19       | 0.015      | 0.09      | 0.049   | 92       | 2.5      | 0.05     |
| 11DS1059A | 33.2     | 0.67     | 0.22     | 0.14     | 47      | 0.31       | 0.086      | 6.8      | 18.9     | 0.3       | 377.7    | 0.043      | 0.49    | 1.32       | 0.009      | 0.07      | 0.049   | 64       | 1.9      | 0.05     |
| 11DS1060A | 59       | 0.62     | 0.32     | 0.11     | 36      | 1.03       | 0.07       | 8.1      | 17.4     | 0.32      | 247.9    | 0.037      | 2       | 1.09       | 0.013      | 0.1       | 0.1     | 33       | 2        | 0.05     |
| 11DS1062A | 40.5     | 1.03     | 0.3      | 0.08     | 16      | 0.43       | 0.066      | 6.5      | 10.8     | 0.16      | 208      | 0.014      | 2       | 0.47       | 0.012      | 0.06      | 0.1     | 60       | 0.6      | 0.02     |
| 11DS1063A | 43.4     | 0.55     | 0.4      | 0.08     | 12      | 0.65       | 0.072      | 6.4      | 8.4      | 0.16      | 193.6    | 0.021      | 2       | 0.4        | 0.013      | 0.05      | 0.049   | 69       | 1.4      | 0.02     |
| 11DS1064A | 56.6     | 0.42     | 0.59     | 0.11     | 32      | 0.93       | 0.081      | 12       | 21.9     | 0.43      | 237.1    | 0.048      | 3       | 1.19       | 0.017      | 0.05      | 0.1     | 71       | 2.8      | 0.06     |
| 11DS1065A | 120      | 0.36     | 0.23     | 0.08     | 35      | 1.11       | 0.082      | 13.8     | 18       | 0.51      | 197.9    | 0.061      | 3       | 1.17       | 0.021      | 0.08      | 0.2     | 43       | 2.9      | 0.04     |
| 11TB1078A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1079A | 21.1     | 0.91     | 0.21     | 0.18     | 38      | 0.33       | 0.137      | 4.4      | 11.2     | 0.21      | 446.8    | 0.055      | 1       | 0.64       | 0.016      | 0.15      | 0.049   | 15       | 2.1      | 0.09     |
| 11TB1080A | 38.2     | 0.84     | 0.21     | 0.15     | 29      | 0.89       | 0.098      | 3.7      | 9.8      | 0.2       | 465      | 0.054      | 2       | 0.45       | 0.015      | 0.18      | 0.049   | 36       | 2        | 0.06     |
| 11TB1082A | 10.5     | 0.33     | 0.14     | 0.14     | 34      | 0.13       | 0.052      | 3.1      | 9.7      | 0.25      | 139.4    | 0.067      | 3       | 0.54       | 0.013      | 0.15      | 0.049   | 49       | 1.3      | 0.12     |
| 11TB1083A | 17.4     | 0.47     | 0.12     | 0.15     | 39      | 0.27       | 0.053      | 13.6     | 16.2     | 0.3       | 216.3    | 0.045      | 0.49    | 0.94       | 0.013      | 0.12      | 0.049   | 69       | 2.2      | 0.11     |
| 11TB1084A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1085A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1086A | 20.4     | 0.46     | 0.21     | 0.12     | 33      | 0.74       | 0.077      | 13.4     | 16       | 0.39      | 271.3    | 0.046      | 0.49    | 0.67       | 0.014      | 0.11      | 0.049   | 66       | 2.8      | 0.08     |
| 11TB1087A | 24.7     | 1.92     | 0.17     | 0.11     | 21      | 0.64       | 0.155      | 7.2      | 10       | 0.14      | 265      | 0.034      | 1       | 0.49       | 0.014      | 0.13      | 0.049   | 20       | 2.5      | 0.03     |
| 11TB1088A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1089A | 23       | 1        | 0.18     | 0.11     | 17      | 0.49       | 0.062      | 6.2      | 8.8      | 0.12      | 159.8    | 0.013      | 0.49    | 0.37       | 0.013      | 0.06      | 0.049   | 75       | 0.6      | 0.04     |
| 11TB1090A | 28.9     | 1.2      | 0.23     | 0.1      | 15      | 0.44       | 0.091      | 14.1     | 8.7      | 0.12      | 235.4    | 0.014      | 1       | 0.56       | 0.015      | 0.05      | 0.049   | 123      | 1.1      | 0.03     |
| 11TB1091A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1092A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1093A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1094A | 86.7     | 0.8      | 0.37     | 0.29     | 11      | 2.16       | 0.132      | 27.2     | 7        | 0.14      | 815.5    | 0.013      | 3       | 0.55       | 0.017      | 0.03      | 0.049   | 137      | 1.6      | 0.09     |
| 11TB1095A | 54.6     | 0.36     | 0.31     | 0.12     | 31      | 0.89       | 0.075      | 10.3     | 14.4     | 0.42      | 319.3    | 0.04       | 0.49    | 1.15       | 0.014      | 0.06      | 0.049   | 88       | 3.4      | 0.11     |
| 11TB1096A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1097A | 71.9     | 0.23     | 0.45     | 0.14     | 37      | 1.46       | 0.074      | 7.9      | 20       | 0.41      | 277.1    | 0.038      | 2       | 1.13       | 0.015      | 0.07      | 0.1     | 45       | 2.1      | 0.08     |
| 11TB1098A | 63.4     | 1.06     | 0.45     | 0.15     | 42      | 1.14       | 0.076      | 8.9      | 23.4     | 0.49      | 281.9    | 0.051      | 2       | 1.24       | 0.022      | 0.07      | 0.1     | 36       | 2.8      | 0.07     |
| 11TB1099A | 66.4     | 0.93     | 0.51     | 0.13     | 32      | 1.29       | 0.077      | 8.3      | 17.6     | 0.37      | 312      | 0.035      | 2       | 0.95       | 0.019      | 0.06      | 0.1     | 75       | 1.9      | 0.05     |
| 11TB1100A | 69       | 0.8      | 0.64     | 0.11     | 22      | 1.28       | 0.099      | 7.9      | 14       | 0.3       | 261.3    | 0.022      | 2       | 0.74       | 0.014      | 0.05      | 0.1     | 83       | 1.4      | 0.06     |
| 11TB1102A | 60.3     | 0.58     | 0.66     | 0.13     | 39      | 1.16       | 0.08       | 10.1     | 23.8     | 0.48      | 286.5    | 0.046      | 3       | 1.22       | 0.023      | 0.08      | 0.1     | 63       | 2.7      | 0.08     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0353A | 24.3     | 0.6      | 0.2      | 0.18     | 27      | 0.3        | 0.048      | 8.2      | 14.6     | 0.15      | 243.6    | 0.021      | 0.49    | 0.61       | 0.014      | 0.06      | 0.049   | 45       | 0.7      | 0.05     |
| 11AN0354A | 20.3     | 0.21     | 0.2      | 0.13     | 46      | 0.26       | 0.033      | 9        | 17       | 0.33      | 201.4    | 0.079      | 1       | 1.03       | 0.014      | 0.08      | 0.049   | 36       | 2.6      | 0.07     |
| 11AN0355A | 67.9     | 0.47     | 0.28     | 0.1      | 15      | 1.71       | 0.09       | 16.1     | 12.1     | 0.21      | 544      | 0.018      | 2       | 0.73       | 0.016      | 0.04      | 0.049   | 162      | 1.7      | 0.05     |
| 11AN0356A | 45.1     | 0.71     | 0.23     | 0.12     | 17      | 0.7        | 0.13       | 23.5     | 14.9     | 0.18      | 592      | 0.022      | 1       | 0.82       | 0.017      | 0.07      | 0.049   | 155      | 2        | 0.06     |
| 11AN0357A | 39.7     | 0.71     | 0.31     | 0.14     | 41      | 0.63       | 0.085      | 15.1     | 22.4     | 0.44      | 397.4    | 0.055      | 2       | 1.34       | 0.016      | 0.1       | 0.1     | 93       | 3.2      | 0.09     |
| 11AN0358A | 33.5     | 0.21     | 0.42     | 0.17     | 51      | 0.48       | 0.105      | 17.5     | 32.3     | 0.61      | 393.5    | 0.08       | 2       | 2.15       | 0.014      | 0.13      | 0.1     | 141      | 7.9      | 0.13     |
| 11AN0359A | 30.2     | 0.49     | 0.33     | 0.1      | 31      | 0.42       | 0.088      | 15.5     | 16.1     | 0.42      | 316.7    | 0.044      | 2       | 1.08       | 0.014      | 0.08      | 0.049   | 93       | 2.8      | 0.07     |
| 11AN0360A | 32.6     | 0.3      | 0.3      | 0.12     | 41      | 0.45       | 0.062      | 13.9     | 22.5     | 0.53      | 286.8    | 0.067      | 2       | 1.37       | 0.016      | 0.07      | 0.1     | 81       | 4        | 0.08     |
| 11AN0362A | 27.4     | 0.72     | 0.25     | 0.13     | 37      | 0.32       | 0.076      | 10.4     | 18.5     | 0.29      | 252.7    | 0.06       | 1       | 0.9        | 0.022      | 0.08      | 0.049   | 50       | 2.3      | 0.07     |
| 11AN0363A | 25.3     | 0.31     | 0.24     | 0.12     | 42      | 0.32       | 0.062      | 10.1     | 19.4     | 0.39      | 218      | 0.054      | 1       | 1.13       | 0.014      | 0.07      | 0.049   | 51       | 2        | 0.07     |
| 11AN0364A | 24.8     | 0.62     | 0.18     | 0.14     | 29      | 0.2        | 0.056      | 6        | 13.1     | 0.14      | 244.7    | 0.026      | 0.49    | 0.55       | 0.014      | 0.06      | 0.049   | 47       | 0.4      | 0.05     |
| 11AN0365A | 27.5     | 0.62     | 0.16     | 0.1      | 17      | 0.23       | 0.09       | 4.5      | 11       | 0.11      | 194.9    | 0.002      | 1       | 0.56       | 0.017      | 0.08      | 0.049   | 81       | 0.1      | 0.04     |
| 11AN0366A | 12.6     | 0.22     | 0.29     | 0.33     | 57      | 0.15       | 0.062      | 7.1      | 18.3     | 0.25      | 189      | 0.061      | 0.49    | 0.94       | 0.01       | 0.05      | 0.049   | 16       | 1.8      | 0.08     |
| 11AN0367A | 12.5     | 0.13     | 0.25     | 0.21     | 42      | 0.11       | 0.036      | 7.8      | 15.7     | 0.16      | 94.7     | 0.046      | 0.49    | 0.78       | 0.009      | 0.04      | 0.049   | 29       | 1        | 0.08     |
| 11AN0368A | 19.5     | 0.2      | 0.26     | 0.15     | 44      | 0.17       | 0.069      | 7.5      | 25       | 0.33      | 203.6    | 0.055      | 1       | 1.3        | 0.013      | 0.08      | 0.049   | 53       | 2.2      | 0.08     |
| 11AN0369A | 25.3     | 0.76     | 0.15     | 0.15     | 13      | 0.19       | 0.102      | 3.9      | 10.8     | 0.08      | 222.6    | 0.001      | 1       | 0.49       | 0.017      | 0.06      | 0.049   | 80       | 0.1      | 0.05     |
| 11AN0370A | 22.2     | 0.35     | 0.19     | 0.14     | 44      | 0.29       | 0.061      | 6.6      | 24.1     | 0.35      | 156.3    | 0.078      | 0.49    | 0.95       | 0.016      | 0.15      | 0.049   | 60       | 2.3      | 0.11     |
| 11AN0371A | 13.7     | 0.61     | 0.19     | 0.16     | 32      | 0.15       | 0.031      | 5.6      | 11.7     | 0.13      | 120.2    | 0.057      | 0.49    | 0.42       | 0.017      | 0.09      | 0.049   | 15       | 1        | 0.08     |
| 11AN0372A | 21.7     | 0.5      | 0.2      | 0.1      | 34      | 0.29       | 0.073      | 8.5      | 19.9     | 0.34      | 210.9    | 0.066      | 0.49    | 0.82       | 0.019      | 0.17      | 0.049   | 75       | 2.3      | 0.12     |
| 11AN0373A | 27.1     | 0.78     | 0.22     | 0.57     | 34      | 0.38       | 0.082      | 13.3     | 11.8     | 0.28      | 272.8    | 0.028      | 2       | 1.04       | 0.014      | 0.14      | 0.049   | 95       | 1.3      | 0.08     |
| 11AN0374A | 15       | 0.36     | 0.14     | 0.19     | 32      | 0.17       | 0.053      | 9.3      | 10.2     | 0.25      | 191.8    | 0.066      | 2       | 0.82       | 0.013      | 0.13      | 0.049   | 30       | 1.9      | 0.1      |
| 11AN0375A | 10.7     | 0.34     | 0.12     | 0.68     | 20      | 0.09       | 0.033      | 5.5      | 9.4      | 0.07      | 98.8     | 0.018      | 2       | 0.41       | 0.014      | 0.05      | 0.049   | 22       | 0.8      | 0.04     |
| 11AN0376A | 20.2     | 1.49     | 0.13     | 0.33     | 12      | 0.22       | 0.056      | 2        | 8.7      | 0.06      | 162.8    | 0.012      | 3       | 0.26       | 0.017      | 0.05      | 0.049   | 77       | 0.7      | 0.05     |
| 11AN0377A | 15       | 0.69     | 0.17     | 0.2      | 26      | 0.12       | 0.087      | 6.7      | 14.4     | 0.16      | 160.8    | 0.021      | 2       | 0.74       | 0.013      | 0.06      | 0.049   | 50       | 0.8      | 0.05     |
| 11CB1048A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1049A | 16.6     | 0.42     | 0.26     | 0.28     | 30      | 0.17       | 0.071      | 4.5      | 12.6     | 0.12      | 135.2    | 0.013      | 1       | 0.54       | 0.01       | 0.07      | 0.049   | 85       | 0.3      | 0.07     |
| 11CB1050A | 17.1     | 0.59     | 0.14     | 0.17     | 17      | 0.19       | 0.057      | 3.8      | 10       | 0.08      | 250.8    | 0.003      | 0.49    | 0.36       | 0.011      | 0.07      | 0.049   | 57       | 0.1      | 0.04     |
| 11CB1051A | 57.2     | 0.79     | 0.23     | 0.14     | 21      | 0.86       | 0.078      | 18.8     | 11.6     | 0.26      | 628.6    | 0.025      | 3       | 0.83       | 0.013      | 0.1       | 0.049   | 123      | 1.8      | 0.08     |
| 11CB1052A | 35.7     | 0.28     | 0.24     | 0.1      | 38      | 0.52       | 0.076      | 14       | 18.7     | 0.61      | 432.2    | 0.091      | 2       | 1.34       | 0.01       | 0.25      | 0.1     | 87       | 4.4      | 0.14     |
| 11CB1053A | 39.2     | 0.72     | 0.21     | 0.15     | 16      | 0.43       | 0.081      | 12.6     | 10.4     | 0.14      | 472.6    | 0.012      | 1       | 0.56       | 0.015      | 0.06      | 0.049   | 90       | 0.7      | 0.05     |
| 11CB1054A | 29.4     | 0.15     | 0.2      | 0.1      | 22      | 0.39       | 0.088      | 10.1     | 13.8     | 0.33      | 355.3    | 0.058      | 1       | 0.94       | 0.011      | 0.11      | 0.1     | 102      | 2.5      | 0.1      |
| 11CB1055A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1056A | 16.5     | 0.1      | 0.19     | 0.08     | 31      | 0.21       | 0.047      | 8.9      | 15.5     | 0.38      | 193.3    | 0.071      | 1       | 1.01       | 0.009      | 0.09      | 0.049   | 53       | 2.7      | 0.09     |
| 11CB1057A | 19.6     | 0.11     | 0.22     | 0.09     | 32      | 0.27       | 0.054      | 9.2      | 16.9     | 0.42      | 216.8    | 0.077      | 2       | 1.12       | 0.01       | 0.08      | 0.1     | 75       | 2.7      | 0.1      |
| 11CB1058A | 17.2     | 0.1      | 0.25     | 0.08     | 44      | 0.23       | 0.065      | 8.3      | 17.2     | 0.47      | 248.4    | 0.072      | 1       | 1.24       | 0.007      | 0.08      | 0.1     | 67       | 3.2      | 0.1      |
| 11CB1059A | 21.1     | 0.22     | 0.2      | 0.07     | 22      | 0.23       | 0.092      | 8.8      | 9.7      | 0.33      | 214.7    | 0.039      | 3       | 0.73       | 0.014      | 0.09      | 0.049   | 80       | 2.1      | 0.07     |
| 11CB1060A | 29.7     | 0.34     | 0.19     | 0.08     | 11      | 0.37       | 0.102      | 11.2     | 9.3      | 0.2       | 364.1    | 0.017      | 2       | 0.73       | 0.012      | 0.05      | 0.049   | 113      | 1.7      | 0.05     |
| 11CB1062A | 26       | 0.71     | 0.14     | 0.11     | 31      | 0.37       | 0.084      | 37.7     | 15.1     | 0.31      | 359.4    | 0.029      | 1       | 0.83       | 0.016      | 0.11      | 0.049   | 48       | 1.5      | 0.07     |
| 11CB1063A | 27.6     | 0.52     | 0.16     | 0.09     | 26      | 0.43       | 0.068      | 11.3     | 12.3     | 0.24      | 241.9    | 0.02       | 2       | 0.74       | 0.018      | 0.09      | 0.049   | 51       | 1        | 0.07     |
| 11CB1064A | 49.1     | 1.42     | 0.21     | 0.09     | 19      | 0.89       | 0.278      | 16.9     | 10.3     | 0.18      | 634.5    | 0.012      | 3       | 0.82       | 0.022      | 0.12      | 0.049   | 50       | 1.1      | 0.04     |
| 11CB1065A | 43.6     | 1.92     | 0.28     | 0.25     | 32      | 0.55       | 0.238      | 7.4      | 14.6     | 0.21      | 482.1    | 0.049      | 2       | 0.73       | 0.02       | 0.19      | 0.049   | 9        | 2.3      | 0.06     |
| 11CB1066A | 53.1     | 1.02     | 0.32     | 0.75     | 20      | 0.76       | 0.142      | 26.8     | 10.8     | 0.22      | 663.1    | 0.02       | 2       | 0.75       | 0.013      | 0.08      | 0.1     | 137      | 1.3      | 0.06     |
| 11CB1067A | 46.8     | 0.74     | 0.2      | 0.21     | 27      | 0.67       | 0.108      | 31.7     | 21       | 0.34      | 654      | 0.036      | 2       | 1.13       | 0.014      | 0.08      | 0.1     | 142      | 3.7      | 0.06     |
| 11CB1068A | 43.8     | 1.1      | 0.25     | 0.2      | 38      | 1.06       | 0.175      | 18.6     | 27.8     | 0.26      | 422.7    | 0.051      | 2       | 0.72       | 0.014      | 0.23      | 0.049   | 28       | 2.8      | 0.06     |
| 11CB1069A | 41.8     | 1.15     | 0.24     | 0.14     | 26      | 0.75       | 0.128      | 20.2     | 13       | 0.24      | 470.3    | 0.029      | 1       | 1.05       | 0.012      | 0.11      | 0.1     | 151      | 3.1      | 0.04     |
| 11CB1070A | 49.9     | 2.29     | 0.26     | 0.11     | 20      | 0.67       | 0.202      | 48.6     | 14.6     | 0.24      | 633.9    | 0.023      | 1       | 1.17       | 0.013      | 0.08      | 0.049   | 195      | 4.9      | 0.04     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11CB1071A | 69.3     | 8.14     | 0.19     | 0.14     | 18      | 1.38       | 0.277      | 44.7     | 11.9     | 0.24      | 1417.9   | 0.017      | 2       | 0.89       | 0.015      | 0.09      | 0.049   | 94       | 3.6      | 0.03     |
| 11CB1072A | 55.6     | 7.57     | 0.2      | 0.11     | 19      | 1          | 0.217      | 36.7     | 11.7     | 0.21      | 1293.9   | 0.025      | 1       | 0.83       | 0.016      | 0.1       | 0.049   | 72       | 4.2      | 0.02     |
| 11DS1066A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1067A | 73.7     | 0.44     | 0.26     | 0.09     | 13      | 1.74       | 0.092      | 17.5     | 10.8     | 0.28      | 482.5    | 0.008      | 3       | 0.64       | 0.015      | 0.05      | 0.049   | 108      | 0.4      | 0.05     |
| 11DS1068A | 36.4     | 0.97     | 0.22     | 0.07     | 15      | 0.42       | 0.079      | 14.4     | 7.7      | 0.13      | 373.5    | 0.012      | 2       | 0.39       | 0.014      | 0.1       | 0.049   | 89       | 0.4      | 0.03     |
| 11DS1069A | 36.2     | 0.6      | 0.18     | 0.07     | 14      | 0.53       | 0.086      | 29       | 10.6     | 0.16      | 492.4    | 0.008      | 0.49    | 0.68       | 0.013      | 0.06      | 0.049   | 103      | 0.6      | 0.03     |
| 11DS1070A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1071A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1072A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1073A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1074A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1075A | 36.3     | 0.87     | 0.17     | 0.09     | 15      | 0.43       | 0.097      | 7.6      | 9.4      | 0.13      | 334.3    | 0.002      | 1       | 0.49       | 0.015      | 0.06      | 0.049   | 100      | 0.2      | 0.02     |
| 11DS1076A | 36       | 1.29     | 0.19     | 0.08     | 14      | 0.39       | 0.096      | 15.6     | 10.6     | 0.14      | 389      | 0.006      | 1       | 0.64       | 0.017      | 0.05      | 0.049   | 98       | 0.4      | 0.03     |
| 11DS1077A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1078A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1079A | 38.4     | 1.18     | 0.26     | 0.11     | 21      | 0.47       | 0.137      | 9.9      | 11.4     | 0.19      | 412.4    | 0.006      | 2       | 0.74       | 0.017      | 0.08      | 0.049   | 94       | 0.3      | 0.07     |
| 11DS1080A | 33.3     | 1.57     | 0.22     | 0.13     | 29      | 0.39       | 0.079      | 6        | 16.5     | 0.24      | 637.2    | 0.044      | 2       | 0.56       | 0.016      | 0.11      | 0.049   | 113      | 1.1      | 0.07     |
| 11DS1082A | 30       | 1.3      | 0.23     | 0.09     | 16      | 0.3        | 0.089      | 3.8      | 9.9      | 0.1       | 608.3    | 0.004      | 2       | 0.45       | 0.019      | 0.07      | 0.049   | 88       | 0.2      | 0.03     |
| 11DS1083A | 24.1     | 1.15     | 0.22     | 0.09     | 17      | 0.22       | 0.078      | 4        | 10       | 0.14      | 652.3    | 0.008      | 0.49    | 0.54       | 0.02       | 0.08      | 0.049   | 78       | 0.3      | 0.05     |
| 11DS1084A | 23.1     | 1.03     | 0.17     | 0.08     | 14      | 0.17       | 0.073      | 5.4      | 9.1      | 0.1       | 362      | 0.005      | 0.49    | 0.46       | 0.017      | 0.07      | 0.049   | 104      | 0.3      | 0.05     |
| 11DS1085A | 77.5     | 0.49     | 0.34     | 0.09     | 22      | 1.98       | 0.119      | 37.9     | 12.6     | 0.28      | 1002.6   | 0.015      | 2       | 1.15       | 0.014      | 0.08      | 0.049   | 127      | 3        | 0.11     |
| 11DS1086A | 19.3     | 0.76     | 0.15     | 0.08     | 13      | 0.1        | 0.074      | 2.7      | 8.4      | 0.06      | 232.4    | 0.001      | 1       | 0.46       | 0.015      | 0.06      | 0.049   | 51       | 0.2      | 0.0099   |
| 11DS1087A | 29.9     | 0.81     | 0.18     | 0.13     | 15      | 0.5        | 0.09       | 10.2     | 9.5      | 0.14      | 302.2    | 0.005      | 1       | 0.47       | 0.017      | 0.07      | 0.049   | 86       | 0.2      | 0.03     |
| 11DS1088A | 35.4     | 3.25     | 0.17     | 0.08     | 12      | 0.33       | 0.106      | 13.3     | 8        | 0.1       | 377      | 0.002      | 1       | 0.5        | 0.015      | 0.08      | 0.049   | 99       | 0.2      | 0.0099   |
| 11DS1089A | 20.5     | 3.58     | 0.15     | 0.08     | 14      | 0.1        | 0.08       | 3.1      | 8.6      | 0.07      | 378.2    | 0.001      | 1       | 0.46       | 0.019      | 0.06      | 0.049   | 78       | 0.3      | 0.02     |
| 11DS1090A | 30       | 5.75     | 0.2      | 0.08     | 13      | 0.35       | 0.088      | 10.2     | 8        | 0.11      | 417.1    | 0.004      | 2       | 0.4        | 0.018      | 0.07      | 0.049   | 108      | 0.3      | 0.03     |
| 11DS1091A | 22.6     | 2.73     | 0.17     | 0.08     | 13      | 0.1        | 0.09       | 5.2      | 7.8      | 0.07      | 343      | 0.002      | 2       | 0.44       | 0.018      | 0.07      | 0.049   | 74       | 0.3      | 0.02     |
| 11TB1103A | 15.5     | 0.29     | 0.23     | 0.16     | 26      | 0.13       | 0.07       | 4.2      | 14.3     | 0.07      | 181.1    | 0.008      | 0.49    | 0.57       | 0.015      | 0.06      | 0.049   | 69       | 0.2      | 0.06     |
| 11TB1104A | 10.2     | 0.59     | 0.25     | 0.13     | 31      | 0.09       | 0.06       | 5.2      | 12.8     | 0.16      | 161.8    | 0.03       | 0.49    | 0.59       | 0.013      | 0.08      | 0.049   | 73       | 0.9      | 0.08     |
| 11TB1105A | 8.4      | 0.24     | 0.24     | 0.11     | 27      | 0.08       | 0.074      | 6.2      | 11.5     | 0.15      | 137.7    | 0.033      | 0.49    | 0.49       | 0.01       | 0.09      | 0.049   | 91       | 1        | 0.1      |
| 11TB1106A | 19.5     | 0.53     | 0.18     | 0.1      | 21      | 0.24       | 0.075      | 10.7     | 11.1     | 0.25      | 317.8    | 0.031      | 1       | 0.6        | 0.013      | 0.12      | 0.049   | 80       | 1.2      | 0.11     |
| 11TB1107A | 30.7     | 0.32     | 0.21     | 0.1      | 21      | 0.45       | 0.094      | 14.7     | 15.7     | 0.35      | 383.4    | 0.033      | 2       | 1          | 0.012      | 0.13      | 0.1     | 102      | 2.6      | 0.13     |
| 11TB1108A | 26.3     | 0.16     | 0.24     | 0.07     | 24      | 0.4        | 0.058      | 15.3     | 15       | 0.49      | 325.4    | 0.048      | 1       | 1.13       | 0.009      | 0.09      | 0.049   | 81       | 3.3      | 0.11     |
| 11TB1109A | 30.5     | 0.19     | 0.25     | 0.06     | 14      | 0.43       | 0.099      | 16.8     | 11.7     | 0.23      | 355.9    | 0.019      | 2       | 0.78       | 0.013      | 0.06      | 0.049   | 100      | 2.6      | 0.09     |
| 11TB1110A | 28       | 0.2      | 0.23     | 0.06     | 30      | 0.43       | 0.112      | 15.1     | 16.2     | 0.54      | 342.6    | 0.053      | 2       | 1.14       | 0.012      | 0.15      | 0.1     | 95       | 4.9      | 0.13     |
| 11TB1111A | 27       | 0.2      | 0.27     | 0.1      | 47      | 0.43       | 0.071      | 14.1     | 22       | 0.65      | 365.2    | 0.07       | 1       | 1.56       | 0.012      | 0.1       | 0.1     | 80       | 5.5      | 0.11     |
| 11TB1112A | 38.7     | 0.46     | 0.24     | 0.12     | 56      | 0.68       | 0.152      | 11.9     | 27.3     | 0.79      | 434.8    | 0.1        | 2       | 1.77       | 0.019      | 0.26      | 0.049   | 29       | 4.8      | 0.11     |
| 11TB1113A | 26.1     | 0.3      | 0.19     | 0.08     | 22      | 0.37       | 0.074      | 6.3      | 14.7     | 0.25      | 256.5    | 0.03       | 0.49    | 0.7        | 0.012      | 0.06      | 0.049   | 81       | 1.3      | 0.08     |
| 11TB1114A | 20       | 0.34     | 0.17     | 0.1      | 45      | 0.29       | 0.076      | 8.8      | 21.7     | 0.75      | 263      | 0.095      | 0.49    | 1.47       | 0.012      | 0.16      | 0.049   | 44       | 4        | 0.11     |
| 11TB1115A | 15       | 0.44     | 0.18     | 0.11     | 35      | 0.16       | 0.043      | 5.6      | 16.2     | 0.26      | 192.5    | 0.046      | 0.49    | 0.69       | 0.014      | 0.07      | 0.049   | 49       | 1.4      | 0.08     |
| 11TB1116A | 28.2     | 0.69     | 0.14     | 0.17     | 35      | 0.47       | 0.108      | 9.7      | 27.7     | 0.48      | 315.3    | 0.072      | 0.49    | 1.26       | 0.021      | 0.18      | 0.049   | 10       | 4.4      | 0.1      |
| 11TB1117A | 26.2     | 0.7      | 0.14     | 0.11     | 16      | 0.32       | 0.062      | 7.7      | 10.9     | 0.12      | 344.1    | 0.009      | 0.49    | 0.46       | 0.019      | 0.08      | 0.049   | 71       | 0.4      | 0.05     |
| 11TB1118A | 21.5     | 1.15     | 0.15     | 0.08     | 15      | 0.2        | 0.073      | 4.8      | 10.3     | 0.1       | 336.7    | 0.002      | 0.49    | 0.42       | 0.018      | 0.06      | 0.049   | 82       | 0.2      | 0.04     |
| 11TB1119A | 23.9     | 1.04     | 0.15     | 0.08     | 22      | 0.3        | 0.079      | 6.5      | 11.3     | 0.2       | 457.2    | 0.022      | 0.49    | 0.56       | 0.015      | 0.08      | 0.049   | 49       | 0.7      | 0.08     |
| 11TB1120A | 26       | 1.28     | 0.2      | 0.09     | 25      | 0.39       | 0.085      | 16.2     | 13.5     | 0.23      | 493      | 0.023      | 0.49    | 0.7        | 0.016      | 0.07      | 0.049   | 89       | 1.2      | 0.07     |
| 11TB1122A | 45.1     | 0.37     | 0.24     | 0.08     | 51      | 1.61       | 0.066      | 8.4      | 22       | 0.8       | 394.3    | 0.06       | 2       | 1.38       | 0.014      | 0.14      | 0.049   | 76       | 3.4      | 0.12     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB1123A | 52.7     | 1.43     | 0.21     | 0.1      | 26      | 0.78       | 0.303      | 18.4     | 14.7     | 0.29      | 792.4    | 0.031      | 2       | 0.98       | 0.017      | 0.14      | 0.049   | 51       | 3        | 0.06     |
| 11TB1124A | 28.3     | 0.71     | 0.19     | 0.32     | 20      | 0.39       | 0.067      | 21.2     | 9.2      | 0.17      | 331      | 0.019      | 1       | 0.54       | 0.014      | 0.07      | 0.049   | 79       | 1.6      | 0.04     |
| 11TB1125A | 49.7     | 7.08     | 0.21     | 0.17     | 20      | 0.75       | 0.089      | 42.9     | 9.7      | 0.23      | 1151.3   | 0.016      | 1       | 0.65       | 0.016      | 0.1       | 0.049   | 112      | 1.5      | 0.04     |
| 11TB1126A | 20.6     | 4.99     | 0.14     | 0.13     | 15      | 0.19       | 0.114      | 7.8      | 11.3     | 0.08      | 285.5    | 0.002      | 1       | 0.49       | 0.015      | 0.06      | 0.049   | 79       | 0.3      | 0.03     |
| 11TB1127A | 42       | 10.92    | 0.19     | 0.11     | 20      | 0.67       | 0.111      | 26.7     | 9.2      | 0.15      | 635.9    | 0.018      | 1       | 0.56       | 0.016      | 0.08      | 0.049   | 86       | 1.7      | 0.04     |
| 11TB1128A | 41.8     | 1.01     | 0.19     | 0.13     | 18      | 0.89       | 0.074      | 20       | 9        | 0.13      | 326.7    | 0.013      | 1       | 0.46       | 0.013      | 0.07      | 0.049   | 90       | 1        | 0.04     |
| 11AN0378A | 22.1     | 0.93     | 0.16     | 0.13     | 38      | 0.34       | 0.041      | 13.1     | 18.7     | 0.3       | 169.2    | 0.062      | 2       | 0.75       | 0.018      | 0.07      | 0.049   | 28       | 2.6      | 0.06     |
| 11AN0379A | 48.4     | 4.04     | 0.19     | 0.15     | 40      | 1.05       | 0.053      | 13.9     | 19.6     | 0.4       | 300      | 0.053      | 2       | 1.06       | 0.017      | 0.06      | 0.049   | 80       | 3.8      | 0.06     |
| 11AN0380A | 27.1     | 0.71     | 0.23     | 0.11     | 58      | 0.61       | 0.063      | 20.5     | 22.7     | 0.58      | 236      | 0.056      | 1       | 1.55       | 0.012      | 0.08      | 0.1     | 41       | 5.2      | 0.07     |
| 11AN0382A | 22.8     | 0.89     | 0.27     | 0.13     | 41      | 0.32       | 0.062      | 20.1     | 16.6     | 0.37      | 657.7    | 0.026      | 2       | 1.51       | 0.014      | 0.12      | 0.049   | 83       | 3.2      | 0.06     |
| 11AN0383A | 48.5     | 0.7      | 0.25     | 0.17     | 38      | 0.73       | 0.079      | 48       | 19       | 0.28      | 858.4    | 0.025      | 2       | 1.71       | 0.014      | 0.07      | 0.049   | 103      | 4.1      | 0.06     |
| 11AN0384A | 85.7     | 0.41     | 0.39     | 0.08     | 33      | 2.2        | 0.115      | 21.2     | 15       | 0.45      | 739.9    | 0.021      | 4       | 1.3        | 0.013      | 0.05      | 0.049   | 85       | 2.4      | 0.05     |
| 11AN0385A | 36.9     | 0.59     | 0.17     | 0.09     | 30      | 0.66       | 0.058      | 5.8      | 10.4     | 0.24      | 153.8    | 0.034      | 2       | 0.71       | 0.012      | 0.08      | 0.049   | 53       | 1.4      | 0.04     |
| 11AN0386A | 39.6     | 0.37     | 0.16     | 0.11     | 24      | 0.38       | 0.05       | 9.8      | 11.5     | 0.17      | 253.4    | 0.03       | 1       | 0.81       | 0.018      | 0.05      | 0.049   | 51       | 1.1      | 0.04     |
| 11AN0387A | 37.8     | 0.42     | 0.13     | 0.12     | 12      | 0.36       | 0.086      | 7.9      | 10.5     | 0.07      | 239      | 0.002      | 1       | 0.6        | 0.012      | 0.05      | 0.049   | 61       | 0.2      | 0.03     |
| 11AN0388A | 17       | 0.43     | 0.16     | 0.17     | 33      | 0.17       | 0.046      | 11.2     | 16       | 0.26      | 190.2    | 0.039      | 1       | 1.11       | 0.009      | 0.07      | 0.049   | 50       | 1.2      | 0.08     |
| 11AN0389A | 34.2     | 0.35     | 0.25     | 0.2      | 44      | 0.33       | 0.058      | 35.3     | 20       | 0.3       | 326.7    | 0.053      | 2       | 1.87       | 0.009      | 0.09      | 0.1     | 66       | 3.5      | 0.07     |
| 11AN0390A | 19.3     | 0.22     | 0.27     | 0.16     | 41      | 0.2        | 0.067      | 9        | 16.2     | 0.27      | 177.6    | 0.049      | 2       | 1.13       | 0.008      | 0.08      | 0.1     | 59       | 1.6      | 0.07     |
| 11AN0391A | 30.3     | 0.93     | 0.15     | 0.15     | 18      | 0.34       | 0.059      | 19.6     | 11.7     | 0.13      | 333.3    | 0.013      | 2       | 0.64       | 0.015      | 0.06      | 0.049   | 56       | 0.6      | 0.05     |
| 11AN0392A | 33.6     | 0.55     | 0.21     | 0.17     | 35      | 0.43       | 0.058      | 31.8     | 18       | 0.3       | 354.8    | 0.045      | 2       | 1.14       | 0.016      | 0.11      | 0.049   | 33       | 2.4      | 0.07     |
| 11AN0393A | 19.3     | 0.52     | 0.22     | 0.16     | 43      | 0.21       | 0.049      | 10.1     | 15       | 0.26      | 233      | 0.043      | 1       | 0.95       | 0.009      | 0.1       | 0.049   | 55       | 1.2      | 0.08     |
| 11AN0394A | 13.4     | 0.23     | 0.23     | 0.12     | 37      | 0.14       | 0.054      | 6.5      | 15.2     | 0.32      | 141.4    | 0.047      | 2       | 1.04       | 0.01       | 0.08      | 0.1     | 62       | 1.6      | 0.05     |
| 11AN0395A | 28.6     | 0.51     | 0.12     | 0.15     | 16      | 0.3        | 0.047      | 15.6     | 11.1     | 0.08      | 271.8    | 0.022      | 0.49    | 0.53       | 0.012      | 0.07      | 0.049   | 68       | 1.1      | 0.03     |
| 11AN0396A | 15.3     | 0.35     | 0.18     | 0.12     | 27      | 0.19       | 0.061      | 3.9      | 9.3      | 0.22      | 184.3    | 0.05       | 1       | 0.56       | 0.014      | 0.14      | 0.049   | 65       | 1.3      | 0.07     |
| 11AN0397A | 25       | 0.23     | 0.15     | 0.13     | 10      | 0.36       | 0.104      | 21.7     | 8.9      | 0.11      | 281.6    | 0.019      | 2       | 0.63       | 0.011      | 0.07      | 0.049   | 128      | 1.3      | 0.07     |
| 11AN0398A | 16.7     | 0.54     | 0.22     | 0.16     | 44      | 0.21       | 0.061      | 5.5      | 10.9     | 0.24      | 239.2    | 0.05       | 1       | 0.79       | 0.011      | 0.09      | 0.049   | 57       | 1.4      | 0.08     |
| 11AN0399A | 23.3     | 0.35     | 0.19     | 0.19     | 23      | 0.32       | 0.095      | 29.8     | 14.3     | 0.11      | 285.3    | 0.026      | 2       | 0.92       | 0.01       | 0.07      | 0.049   | 125      | 2.6      | 0.05     |
| 11AN0400A | 19.6     | 0.3      | 0.22     | 0.28     | 37      | 0.24       | 0.073      | 21.4     | 14.9     | 0.23      | 267.7    | 0.039      | 2       | 0.92       | 0.011      | 0.08      | 0.049   | 71       | 2.2      | 0.06     |
| 11DS1092A | 45.3     | 3.53     | 0.2      | 0.08     | 18      | 0.71       | 0.074      | 25.5     | 10.7     | 0.17      | 359.4    | 0.008      | 1       | 0.63       | 0.018      | 0.06      | 0.049   | 80       | 0.5      | 0.0099   |
| 11DS1093A | 27       | 1.15     | 0.26     | 0.07     | 22      | 0.52       | 0.076      | 9        | 11.3     | 0.18      | 280.8    | 0.021      | 2       | 0.61       | 0.015      | 0.07      | 0.049   | 104      | 1.5      | 0.03     |
| 11DS1094A | 80.9     | 0.39     | 0.24     | 0.08     | 22      | 2.87       | 0.068      | 30.1     | 12.3     | 0.33      | 1105.9   | 0.019      | 3       | 1.02       | 0.013      | 0.05      | 0.049   | 118      | 3.5      | 0.04     |
| 11DS1095A | 47.5     | 0.83     | 0.24     | 0.07     | 13      | 0.85       | 0.092      | 47       | 10.6     | 0.14      | 792.3    | 0.009      | 2       | 0.8        | 0.014      | 0.06      | 0.049   | 112      | 0.6      | 0.02     |
| 11DS1096A | 60.3     | 0.46     | 0.35     | 0.08     | 20      | 1.13       | 0.066      | 32.9     | 13.1     | 0.23      | 476.4    | 0.027      | 2       | 1.05       | 0.015      | 0.05      | 0.049   | 113      | 2        | 0.02     |
| 11DS1097A | 45.3     | 0.61     | 0.26     | 0.3      | 9       | 0.72       | 0.123      | 16.4     | 9.6      | 0.11      | 365.1    | 0.006      | 2       | 0.48       | 0.013      | 0.05      | 0.049   | 120      | 0.4      | 0.05     |
| 11DS1098A | 82.6     | 0.36     | 0.8      | 0.13     | 27      | 1.54       | 0.113      | 30.9     | 16.8     | 0.35      | 619.6    | 0.032      | 3       | 1.24       | 0.015      | 0.08      | 0.049   | 133      | 2.6      | 0.11     |
| 11DS1099A | 78.8     | 0.24     | 0.44     | 0.13     | 42      | 1.56       | 0.112      | 19.3     | 18.5     | 0.37      | 549.9    | 0.041      | 3       | 1.5        | 0.015      | 0.07      | 0.1     | 132      | 3.2      | 0.11     |
| 11DS1100A | 105.5    | 0.2      | 0.64     | 0.1      | 16      | 2.31       | 0.11       | 20.8     | 11.1     | 0.2       | 565.7    | 0.011      | 3       | 0.69       | 0.014      | 0.03      | 0.049   | 122      | 1        | 0.06     |
| 11DS1102A | 83.4     | 0.39     | 0.87     | 0.12     | 30      | 1.66       | 0.121      | 11.9     | 17.9     | 0.31      | 482.6    | 0.025      | 4       | 0.96       | 0.018      | 0.05      | 0.1     | 98       | 1.7      | 0.09     |
| 11DS1103A | 79.1     | 0.76     | 0.5      | 0.14     | 38      | 1.63       | 0.094      | 10.9     | 21.8     | 0.4       | 356.8    | 0.041      | 4       | 1.1        | 0.019      | 0.05      | 0.2     | 58       | 2.4      | 0.08     |
| 11DS1104A | 65.2     | 0.52     | 0.57     | 0.17     | 43      | 1.3        | 0.076      | 12.2     | 26       | 0.49      | 277.4    | 0.052      | 2       | 1.3        | 0.025      | 0.06      | 0.1     | 50       | 3.1      | 0.06     |
| 11DS1105A | 65.2     | 1.68     | 0.42     | 0.15     | 28      | 1.3        | 0.085      | 8.4      | 16.9     | 0.39      | 203.3    | 0.035      | 3       | 0.86       | 0.015      | 0.07      | 0.1     | 59       | 1.8      | 0.06     |
| 11DS1106A | 52.8     | 0.19     | 0.35     | 0.14     | 54      | 0.48       | 0.11       | 12.3     | 22       | 0.55      | 254      | 0.071      | 2       | 1.56       | 0.016      | 0.1       | 0.2     | 51       | 3.3      | 0.08     |
| 11DS1107A | 28.7     | 0.64     | 0.18     | 0.12     | 14      | 0.23       | 0.158      | 12.3     | 12.6     | 0.08      | 287.2    | 0.00049    | 1       | 0.67       | 0.013      | 0.08      | 0.049   | 110      | 0.1      | 0.04     |
| 11DS1108A | 31.2     | 1.22     | 0.26     | 0.15     | 22      | 0.3        | 0.144      | 14.4     | 14.1     | 0.15      | 314.2    | 0.003      | 0.49    | 0.8        | 0.016      | 0.08      | 0.049   | 96       | 0.1      | 0.06     |
| 11DS1109A | 41.1     | 0.99     | 0.16     | 0.09     | 8       | 0.39       | 0.171      | 16.7     | 8.5      | 0.1       | 369.3    | 0.001      | 2       | 0.6        | 0.013      | 0.07      | 0.049   | 122      | 0.2      | 0.04     |
| 11DS1110A | 41       | 1.44     | 0.16     | 0.09     | 13      | 0.34       | 0.1        | 3        | 12.2     | 0.09      | 229.3    | 0.003      | 2       | 0.38       | 0.014      | 0.09      | 0.049   | 116      | 0.1      | 0.04     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11DS1111A | 19.7     | 0.39     | 0.19     | 0.12     | 16      | 0.12       | 0.088      | 3.4      | 8.7      | 0.04      | 214.2    | 0.006      | 0.49    | 0.4        | 0.016      | 0.07      | 0.049   | 75       | 0.3      | 0.04     |
| 11DS1112A | 17.3     | 0.18     | 0.16     | 0.09     | 31      | 0.14       | 0.085      | 4        | 9.3      | 0.22      | 151.7    | 0.045      | 0.49    | 0.59       | 0.01       | 0.14      | 0.049   | 78       | 1.4      | 0.07     |
| 11DS1113A | 16.3     | 0.43     | 0.19     | 0.11     | 20      | 0.21       | 0.068      | 2.9      | 8.3      | 0.07      | 181.8    | 0.007      | 0.49    | 0.36       | 0.011      | 0.06      | 0.049   | 58       | 0.3      | 0.04     |
| 11DS1114A | 95.4     | 0.32     | 0.26     | 0.08     | 13      | 1.56       | 0.071      | 12.3     | 8.2      | 0.29      | 446      | 0.03       | 3       | 0.61       | 0.012      | 0.06      | 0.049   | 84       | 1.5      | 0.07     |
| 11DS1115A | 30.3     | 0.45     | 0.15     | 0.08     | 11      | 0.32       | 0.09       | 7.4      | 6.3      | 0.08      | 315.5    | 0.01       | 0.49    | 0.36       | 0.014      | 0.06      | 0.049   | 134      | 0.5      | 0.04     |
| 11DS1116A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1117A | 14.5     | 0.49     | 0.2      | 0.1      | 21      | 0.12       | 0.065      | 4        | 8.9      | 0.09      | 181.6    | 0.024      | 0.49    | 0.5        | 0.013      | 0.06      | 0.049   | 116      | 0.7      | 0.04     |
| 11DS1118A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1119A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1129A | 37.8     | 1.76     | 0.22     | 0.1      | 16      | 0.82       | 0.075      | 52.7     | 7.6      | 0.14      | 718.5    | 0.01       | 2       | 0.59       | 0.012      | 0.05      | 0.049   | 91       | 1.4      | 0.03     |
| 11TB1130A | 21.9     | 0.65     | 0.18     | 0.1      | 21      | 0.24       | 0.075      | 9.2      | 10.6     | 0.09      | 570.5    | 0.009      | 1       | 0.5        | 0.013      | 0.06      | 0.049   | 60       | 0.5      | 0.04     |
| 11TB1131A | 17.5     | 0.2      | 0.1      | 0.06     | 17      | 0.13       | 0.048      | 5.7      | 10.4     | 0.09      | 233.6    | 0.008      | 1       | 0.48       | 0.011      | 0.06      | 0.049   | 51       | 0.3      | 0.03     |
| 11TB1132A | 30.8     | 0.35     | 0.14     | 0.07     | 12      | 0.3        | 0.065      | 12.5     | 7.6      | 0.06      | 348.2    | 0.01       | 1       | 0.49       | 0.013      | 0.04      | 0.049   | 69       | 0.6      | 0.02     |
| 11TB1133A | 81.8     | 0.34     | 0.27     | 0.05     | 10      | 1.68       | 0.097      | 27.5     | 5.4      | 0.1       | 425.5    | 0.008      | 2       | 0.63       | 0.014      | 0.04      | 0.049   | 123      | 0.7      | 0.03     |
| 11TB1134A | 70.5     | 0.28     | 0.26     | 0.08     | 24      | 1.4        | 0.071      | 13.8     | 11.3     | 0.24      | 598.2    | 0.024      | 1       | 0.98       | 0.013      | 0.04      | 0.049   | 93       | 2        | 0.04     |
| 11TB1135A | 68.2     | 0.31     | 0.29     | 0.06     | 24      | 1.51       | 0.091      | 10.8     | 9.2      | 0.28      | 500      | 0.03       | 2       | 0.86       | 0.012      | 0.07      | 0.049   | 128      | 2.2      | 0.04     |
| 11TB1136A | 100      | 0.24     | 0.25     | 0.02     | 10      | 2.86       | 0.084      | 8        | 3.5      | 0.12      | 527.1    | 0.007      | 7       | 0.32       | 0.013      | 0.03      | 0.049   | 87       | 1        | 0.04     |
| 11TB1137A | 96.2     | 0.28     | 0.34     | 0.04     | 16      | 2.75       | 0.098      | 7.1      | 6.6      | 0.19      | 596.6    | 0.013      | 4       | 0.56       | 0.012      | 0.04      | 0.049   | 100      | 0.9      | 0.05     |
| 11TB1138A | 42.2     | 0.41     | 0.44     | 0.11     | 45      | 0.93       | 0.066      | 8        | 25.3     | 0.56      | 276      | 0.049      | 2       | 1.26       | 0.022      | 0.08      | 0.1     | 33       | 2.8      | 0.08     |
| 11TB1139A | 60.4     | 0.63     | 0.48     | 0.1      | 34      | 1.5        | 0.072      | 6.9      | 19.2     | 0.41      | 344.5    | 0.033      | 3       | 0.94       | 0.02       | 0.07      | 0.1     | 57       | 2        | 0.06     |
| 11TB1140A | 13.1     | 0.2      | 0.21     | 0.12     | 29      | 0.18       | 0.063      | 5.5      | 12.4     | 0.12      | 135.6    | 0.017      | 0.49    | 0.5        | 0.008      | 0.07      | 0.049   | 63       | 0.4      | 0.04     |
| 11TB1142A | 12.7     | 1.23     | 0.23     | 0.18     | 29      | 0.08       | 0.06       | 3.9      | 13.8     | 0.05      | 193.3    | 0.006      | 0.49    | 0.55       | 0.01       | 0.06      | 0.049   | 43       | 0.2      | 0.03     |
| 11TB1143A | 12.7     | 0.27     | 0.2      | 0.09     | 24      | 0.11       | 0.068      | 3        | 10.1     | 0.06      | 130.9    | 0.008      | 0.49    | 0.35       | 0.01       | 0.06      | 0.049   | 80       | 0.3      | 0.03     |
| 11TB1144A | 9.8      | 0.23     | 0.19     | 0.12     | 28      | 0.09       | 0.049      | 3.4      | 11.5     | 0.11      | 136.2    | 0.018      | 0.49    | 0.62       | 0.01       | 0.06      | 0.049   | 84       | 0.4      | 0.04     |
| 11TB1145A | 7.9      | 0.34     | 0.23     | 0.14     | 48      | 0.07       | 0.064      | 5.7      | 16.1     | 0.3       | 145.3    | 0.056      | 0.49    | 1.06       | 0.007      | 0.12      | 0.1     | 66       | 1.8      | 0.08     |
| 11TB1146A | 33.3     | 0.25     | 0.2      | 0.09     | 27      | 0.44       | 0.109      | 9        | 16.3     | 0.28      | 323.1    | 0.017      | 1       | 0.95       | 0.012      | 0.11      | 0.049   | 130      | 0.8      | 0.09     |
| 11TB1147A | 22.5     | 0.24     | 0.18     | 0.08     | 47      | 0.32       | 0.052      | 12.7     | 18.2     | 0.62      | 327.6    | 0.115      | 1       | 1.43       | 0.007      | 0.23      | 0.2     | 55       | 4.2      | 0.15     |
| 11TB1148A | 26.1     | 0.36     | 0.17     | 0.27     | 30      | 0.37       | 0.076      | 13       | 12.6     | 0.39      | 350.4    | 0.042      | 1       | 0.97       | 0.008      | 0.14      | 0.1     | 77       | 2.4      | 0.06     |
| 11TB1149A | 8        | 0.19     | 0.25     | 0.14     | 36      | 0.1        | 0.052      | 4.4      | 10.7     | 0.12      | 168.3    | 0.041      | 0.49    | 0.55       | 0.009      | 0.07      | 0.049   | 66       | 1.1      | 0.07     |
| 11TB1150A | 6.7      | 0.27     | 0.19     | 0.13     | 37      | 0.08       | 0.041      | 4.4      | 10.2     | 0.08      | 140.5    | 0.031      | 0.49    | 0.48       | 0.008      | 0.05      | 0.049   | 34       | 0.7      | 0.05     |
| 11TB1151A | 7.8      | 0.23     | 0.21     | 0.15     | 53      | 0.09       | 0.057      | 9.4      | 16.2     | 0.2       | 185      | 0.071      | 0.49    | 1.1        | 0.007      | 0.07      | 0.1     | 41       | 2.7      | 0.11     |
| 11TB1152A | 24.1     | 0.4      | 0.24     | 0.08     | 28      | 0.46       | 0.11       | 4.4      | 9.2      | 0.15      | 207.5    | 0.038      | 2       | 0.52       | 0.012      | 0.08      | 0.049   | 118      | 1.1      | 0.06     |
| 11TB1153A | 21.5     | 0.12     | 0.2      | 0.08     | 49      | 0.33       | 0.08       | 13.9     | 18.7     | 0.65      | 293.1    | 0.112      | 1       | 1.48       | 0.011      | 0.22      | 0.2     | 70       | 5.2      | 0.16     |
| 11AN0402A | 17.7     | 0.2      | 0.2      | 0.15     | 33      | 0.23       | 0.084      | 11.4     | 15.4     | 0.27      | 223.6    | 0.041      | 2       | 0.76       | 0.011      | 0.1       | 0.1     | 71       | 2.3      | 0.07     |
| 11AN0403A | 10.8     | 0.23     | 0.25     | 0.12     | 31      | 0.1        | 0.043      | 8.6      | 12.3     | 0.06      | 180.4    | 0.017      | 1       | 0.42       | 0.011      | 0.05      | 0.049   | 32       | 0.7      | 0.03     |
| 11AN0404A | 8.6      | 0.16     | 0.16     | 0.22     | 35      | 0.08       | 0.032      | 7.8      | 15.3     | 0.11      | 104.5    | 0.036      | 0.49    | 0.86       | 0.009      | 0.05      | 0.049   | 28       | 1.1      | 0.1      |
| 11AN0405A | 12.3     | 0.48     | 0.23     | 0.11     | 26      | 0.09       | 0.053      | 5.3      | 10.1     | 0.06      | 190.7    | 0.007      | 0.49    | 0.36       | 0.015      | 0.07      | 0.049   | 41       | 0.2      | 0.04     |
| 11AN0406A | 11.3     | 0.21     | 0.2      | 0.14     | 30      | 0.12       | 0.035      | 6.7      | 10.5     | 0.06      | 172      | 0.028      | 0.49    | 0.36       | 0.011      | 0.08      | 0.049   | 20       | 0.9      | 0.05     |
| 11AN0407A | 9.8      | 0.14     | 0.17     | 0.16     | 38      | 0.13       | 0.045      | 7.2      | 14.2     | 0.12      | 121.4    | 0.043      | 1       | 0.62       | 0.01       | 0.08      | 0.049   | 30       | 1.5      | 0.08     |
| 11AN0408A | 9.5      | 0.19     | 0.28     | 0.15     | 42      | 0.1        | 0.042      | 6.6      | 10.6     | 0.08      | 141.5    | 0.039      | 0.49    | 0.45       | 0.01       | 0.07      | 0.049   | 33       | 0.8      | 0.06     |
| 11AN0409A | 14.6     | 0.41     | 0.24     | 0.11     | 25      | 0.08       | 0.078      | 6.4      | 9.8      | 0.07      | 241.7    | 0.01       | 2       | 0.46       | 0.018      | 0.07      | 0.049   | 53       | 0.4      | 0.05     |
| 11AN0410A | 14.2     | 0.45     | 0.2      | 0.18     | 48      | 0.14       | 0.054      | 20.8     | 20.4     | 0.23      | 240.9    | 0.042      | 0.49    | 1.15       | 0.011      | 0.09      | 0.1     | 38       | 3.1      | 0.08     |
| 11AN0411A | 50.3     | 1.1      | 0.17     | 0.13     | 27      | 0.8        | 0.102      | 32       | 16.7     | 0.32      | 341      | 0.018      | 2       | 1.13       | 0.013      | 0.11      | 0.1     | 85       | 1.2      | 0.07     |
| 11AN0412A | 15.3     | 0.69     | 0.13     | 0.07     | 22      | 0.14       | 0.039      | 5.1      | 11.3     | 0.11      | 117.4    | 0.023      | 1       | 0.51       | 0.014      | 0.08      | 0.049   | 41       | 1        | 0.04     |
| 11AN0413A | 31       | 0.83     | 0.18     | 0.14     | 39      | 0.31       | 0.06       | 10.5     | 18.8     | 0.3       | 393      | 0.043      | 2       | 1.41       | 0.011      | 0.09      | 0.049   | 54       | 2.5      | 0.06     |
| 11AN0414A | 23       | 0.32     | 0.1      | 0.08     | 19      | 0.18       | 0.041      | 7.7      | 8.6      | 0.14      | 218      | 0.026      | 0.49    | 0.67       | 0.013      | 0.06      | 0.049   | 38       | 1        | 0.03     |



| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11AN0415A | 57.5     | 0.5      | 0.2      | 0.11     | 42      | 1.13       | 0.075      | 11.4     | 15.7     | 0.38      | 366      | 0.05       | 1       | 1.32       | 0.015      | 0.07      | 0.1     | 62       | 2.8      | 0.05     |
| 11AN0416A | 37.2     | 0.4      | 0.14     | 0.12     | 26      | 0.43       | 0.05       | 8.8      | 14.5     | 0.21      | 230.1    | 0.029      | 1       | 0.92       | 0.015      | 0.06      | 0.049   | 51       | 1        | 0.06     |
| 11AN0417A | 36.2     | 0.41     | 0.19     | 0.17     | 58      | 0.36       | 0.074      | 14.7     | 23.2     | 0.5       | 335.3    | 0.068      | 2       | 2.19       | 0.012      | 0.1       | 0.049   | 51       | 3.1      | 0.06     |
| 11AN0418A | 40.8     | 0.59     | 0.17     | 0.13     | 22      | 0.36       | 0.082      | 14.2     | 15.6     | 0.14      | 305.1    | 0.01       | 0.49    | 0.97       | 0.016      | 0.06      | 0.049   | 84       | 0.5      | 0.05     |
| 11AN0419A | 40.8     | 0.56     | 0.22     | 0.12     | 30      | 0.31       | 0.078      | 23       | 12.3     | 0.17      | 319.5    | 0.03       | 0.49    | 0.94       | 0.013      | 0.08      | 0.049   | 72       | 1.2      | 0.04     |
| 11AN0420A | 48       | 0.44     | 0.16     | 0.08     | 15      | 0.35       | 0.096      | 17.6     | 9.8      | 0.1       | 331.9    | 0.006      | 0.49    | 0.6        | 0.015      | 0.06      | 0.049   | 96       | 0.3      | 0.03     |
| 11AN0422A | 21.8     | 0.4      | 0.17     | 0.17     | 33      | 0.14       | 0.044      | 7        | 15.9     | 0.14      | 119.2    | 0.024      | 0.49    | 1.02       | 0.009      | 0.07      | 0.049   | 29       | 0.5      | 0.07     |
| 11AN0423A | 42.6     | 0.41     | 0.21     | 0.14     | 63      | 0.6        | 0.07       | 14.1     | 23.9     | 0.66      | 285.6    | 0.084      | 2       | 1.72       | 0.014      | 0.11      | 0.1     | 62       | 4.6      | 0.1      |
| 11AN0424A | 33.5     | 0.74     | 0.38     | 0.12     | 48      | 0.59       | 0.075      | 10.1     | 24.8     | 0.43      | 153.2    | 0.066      | 2       | 1.18       | 0.024      | 0.1       | 0.2     | 38       | 2.7      | 0.06     |
| 11DS1120A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1122A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1123A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1124A | 18       | 0.12     | 0.2      | 0.41     | 30      | 0.22       | 0.081      | 16.6     | 13.6     | 0.34      | 247.8    | 0.067      | 2       | 1.06       | 0.009      | 0.1       | 0.1     | 86       | 2.4      | 0.11     |
| 11DS1125A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1126A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1127A | 41.8     | 1.31     | 0.19     | 0.17     | 16      | 0.55       | 0.097      | 13.6     | 10.4     | 0.23      | 812.7    | 0.019      | 1       | 0.58       | 0.014      | 0.09      | 0.049   | 115      | 1        | 0.07     |
| 11DS1128A | 34.4     | 0.91     | 0.21     | 0.14     | 20      | 0.47       | 0.116      | 16.5     | 11.4     | 0.27      | 648      | 0.026      | 1       | 0.66       | 0.014      | 0.1       | 0.049   | 107      | 2.1      | 0.06     |
| 11DS1129A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1130A | 83       | 0.42     | 0.32     | 0.21     | 26      | 2.48       | 0.076      | 6.4      | 9.7      | 0.39      | 301.9    | 0.032      | 4       | 0.71       | 0.013      | 0.06      | 0.1     | 99       | 1.6      | 0.04     |
| 11DS1131A | 78.5     | 4.95     | 0.19     | 0.1      | 22      | 1.94       | 0.117      | 9.4      | 12.3     | 0.42      | 707.5    | 0.027      | 5       | 0.75       | 0.011      | 0.13      | 0.049   | 115      | 1.6      | 0.06     |
| 11DS1132A | 69.6     | 0.76     | 0.34     | 0.2      | 38      | 2          | 0.084      | 24.2     | 16.2     | 0.41      | 806.5    | 0.014      | 0.49    | 1.16       | 0.01       | 0.05      | 0.049   | 90       | 4.1      | 0.08     |
| 11DS1133A | 53.2     | 0.48     | 0.32     | 0.12     | 38      | 1.36       | 0.084      | 14       | 19.2     | 0.47      | 786.2    | 0.02       | 1       | 1.4        | 0.014      | 0.08      | 0.049   | 80       | 3.6      | 0.05     |
| 11DS1134A | 61       | 1.27     | 0.2      | 0.07     | 16      | 1.09       | 0.091      | 7.1      | 6.3      | 0.22      | 828      | 0.018      | 4       | 0.44       | 0.013      | 0.11      | 0.049   | 107      | 0.9      | 0.04     |
| 11DS1135A | 85.2     | 0.99     | 0.2      | 0.14     | 22      | 1.52       | 0.109      | 7.3      | 10.1     | 0.3       | 841.5    | 0.026      | 4       | 0.77       | 0.012      | 0.12      | 0.1     | 120      | 1.2      | 0.06     |
| 11DS1136A | 47.9     | 1.27     | 0.18     | 0.12     | 13      | 0.25       | 0.152      | 4.7      | 7.6      | 0.11      | 640.8    | 0.003      | 0.49    | 0.43       | 0.018      | 0.1       | 0.049   | 91       | 0.4      | 0.05     |
| 11DS1137A | 46.4     | 0.59     | 0.27     | 0.14     | 26      | 0.39       | 0.127      | 36.8     | 15.1     | 0.17      | 454.8    | 0.029      | 0.49    | 1.2        | 0.01       | 0.09      | 0.1     | 138      | 2        | 0.05     |
| 11DS1138A | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11DS1139A | 76.8     | 0.66     | 0.38     | 0.13     | 16      | 1.51       | 0.111      | 29.3     | 11.8     | 0.23      | 450.5    | 0.015      | 2       | 0.99       | 0.013      | 0.05      | 0.049   | 142      | 1        | 0.05     |
| 11DS1140A | 136      | 0.24     | 0.46     | 0.11     | 30      | 2.39       | 0.105      | 28.3     | 14.7     | 0.38      | 394.1    | 0.024      | 3       | 1.21       | 0.014      | 0.08      | 0.049   | 87       | 2.9      | 0.06     |
| 11DS1142A | 60.3     | 0.62     | 0.46     | 0.18     | 42      | 1.1        | 0.086      | 9.7      | 22.6     | 0.49      | 272.4    | 0.052      | 3       | 1.22       | 0.023      | 0.08      | 0.1     | 50       | 2.6      | 0.07     |
| 11TB1154A | 22.5     | 0.11     | 0.17     | 0.24     | 43      | 0.33       | 0.072      | 12.6     | 15.9     | 0.58      | 307.4    | 0.103      | 2       | 1.2        | 0.014      | 0.17      | 0.2     | 67       | 4.1      | 0.09     |
| 11TB1155A | 15.5     | 0.08     | 0.16     | 0.1      | 64      | 0.23       | 0.054      | 11.1     | 23       | 0.83      | 211.8    | 0.142      | 2       | 1.7        | 0.013      | 0.22      | 0.2     | 44       | 4.7      | 0.19     |
| 11TB1156A | 25.7     | 0.93     | 0.16     | 0.1      | 35      | 0.39       | 0.078      | 8        | 15.6     | 0.37      | 558      | 0.039      | 1       | 0.86       | 0.014      | 0.09      | 0.049   | 109      | 2.2      | 0.08     |
| 11TB1157A | 27.3     | 0.4      | 0.21     | 0.1      | 39      | 0.57       | 0.072      | 9.4      | 17.3     | 0.46      | 360      | 0.06       | 1       | 1.03       | 0.012      | 0.16      | 0.1     | 68       | 2.6      | 0.07     |
| 11TB1158A | 20       | 0.42     | 0.21     | 0.09     | 36      | 0.33       | 0.07       | 7.7      | 14.6     | 0.35      | 569.8    | 0.054      | 1       | 0.84       | 0.014      | 0.09      | 0.049   | 59       | 2        | 0.07     |
| 11TB1159A | 36       | 0.79     | 0.19     | 0.07     | 14      | 0.47       | 0.122      | 17.5     | 8.6      | 0.15      | 497.2    | 0.012      | 2       | 0.52       | 0.016      | 0.07      | 0.049   | 186      | 0.9      | 0.04     |
| 11TB1160A | 37       | 0.59     | 0.31     | 0.13     | 30      | 0.5        | 0.087      | 23.8     | 19.1     | 0.29      | 421.1    | 0.042      | 2       | 1.23       | 0.013      | 0.08      | 0.1     | 135      | 2.6      | 0.07     |
| 11TB1162A | 25.6     | 0.49     | 0.38     | 0.42     | 66      | 0.57       | 0.091      | 16.6     | 24.3     | 0.69      | 288.5    | 0.096      | 2       | 1.82       | 0.009      | 0.14      | 0.2     | 89       | 6.1      | 0.14     |
| 11TB1163A | 29.9     | 0.5      | 0.22     | 0.21     | 60      | 0.63       | 0.064      | 15.9     | 28.2     | 0.71      | 346      | 0.092      | 2       | 1.67       | 0.014      | 0.09      | 0.1     | 79       | 5.6      | 0.13     |
| 11TB1164A | 32.4     | 1.21     | 0.33     | 0.22     | 52      | 0.61       | 0.094      | 21.1     | 19.3     | 0.52      | 374.1    | 0.052      | 3       | 1.29       | 0.011      | 0.08      | 0.1     | 107      | 7.2      | 0.1      |
| 11TB1165A | 42       | 6.15     | 0.31     | 0.17     | 36      | 0.78       | 0.094      | 41.2     | 17.7     | 0.32      | 821.3    | 0.038      | 2       | 0.99       | 0.016      | 0.07      | 0.049   | 103      | 5        | 0.06     |
| 11TB1166A | 24.8     | 1.15     | 0.17     | 0.24     | 36      | 0.87       | 0.08       | 4        | 8.9      | 0.27      | 344.8    | 0.014      | 4       | 0.6        | 0.009      | 0.1       | 0.049   | 84       | 2.7      | 0.06     |
| 11TB1167A | 49.4     | 0.34     | 0.3      | 0.15     | 52      | 0.58       | 0.046      | 5.9      | 11.7     | 0.36      | 320.2    | 0.039      | 2       | 1.1        | 0.012      | 0.06      | 0.049   | 61       | 2.6      | 0.07     |
| 11TB1168A | 73.6     | 0.43     | 0.24     | 0.17     | 39      | 1.38       | 0.131      | 16.4     | 15.9     | 0.31      | 1090.6   | 0.04       | 3       | 1.2        | 0.016      | 0.31      | 0.049   | 15       | 3.6      | 0.04     |
| 11TB1169A | 41.6     | 0.88     | 0.24     | 0.18     | 31      | 0.48       | 0.194      | 26.7     | 15.1     | 0.17      | 1001.1   | 0.034      | 2       | 1.01       | 0.019      | 0.17      | 0.049   | 14       | 3.4      | 0.05     |
| 11TB1170A | 16.1     | 0.15     | 0.1      | 0.12     | 23      | 0.14       | 0.116      | 6.8      | 10.3     | 0.1       | 196.6    | 0.02       | 0.49    | 0.73       | 0.019      | 0.15      | 0.049   | 2.49     | 1.5      | 0.05     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB1172A | 33.6     | 0.23     | 0.19     | 0.15     | 32      | 0.25       | 0.059      | 11.4     | 13.2     | 0.18      | 285.9    | 0.035      | 1       | 1.07       | 0.012      | 0.08      | 0.049   | 87       | 1.7      | 0.06     |
| 11TB1173A | 39       | 0.39     | 0.16     | 0.14     | 21      | 0.2        | 0.083      | 9.7      | 10.3     | 0.12      | 196.6    | 0.005      | 1       | 0.68       | 0.013      | 0.06      | 0.049   | 79       | 0.3      | 0.03     |
| 11TB1174A | 42.7     | 0.43     | 0.27     | 0.11     | 34      | 0.61       | 0.088      | 6.9      | 15.8     | 0.29      | 219.5    | 0.031      | 2       | 0.82       | 0.014      | 0.06      | 0.1     | 78       | 1.9      | 0.05     |
| 11TB1175A | 45.2     | 0.33     | 0.38     | 0.11     | 39      | 0.57       | 0.085      | 10.1     | 19.1     | 0.39      | 261      | 0.035      | 2       | 1.05       | 0.013      | 0.05      | 0.1     | 57       | 2.4      | 0.05     |
| 11TB1176A | 47.7     | 0.16     | 0.42     | 0.13     | 57      | 0.59       | 0.084      | 11.7     | 25.6     | 0.54      | 337.8    | 0.057      | 1       | 1.53       | 0.015      | 0.06      | 0.2     | 60       | 3.6      | 0.07     |
| 11TB1177A | 57.8     | 0.49     | 0.6      | 0.11     | 36      | 1.24       | 0.096      | 10.2     | 20.3     | 0.46      | 269.1    | 0.046      | 4       | 1.02       | 0.023      | 0.07      | 0.1     | 77       | 3.2      | 0.06     |
| 11AN0425a | 43.2     | 0.31     | 0.27     | 0.2      | 52      | 0.34       | 0.05       | 18.5     | 25.8     | 0.41      | 742.5    | 0.036      | 2       | 1.48       | 0.009      | 0.07      | 0.1     | 74       | 3        | 0.08     |
| 11AN0426a | 47.3     | 0.57     | 0.25     | 0.21     | 22      | 0.42       | 0.121      | 42.6     | 15.8     | 0.17      | 1592     | 0.005      | 1       | 1.22       | 0.01       | 0.09      | 0.049   | 94       | 0.8      | 0.04     |
| 11AN0428a | 13.6     | 0.4      | 0.13     | 0.17     | 22      | 0.1        | 0.03       | 10.1     | 8.2      | 0.06      | 173.9    | 0.017      | 0.49    | 0.48       | 0.008      | 0.04      | 0.049   | 16       | 0.4      | 0.06     |
| 11AN0429a | 23       | 0.44     | 0.22     | 0.22     | 26      | 0.15       | 0.068      | 8.2      | 12.3     | 0.11      | 725.2    | 0.011      | 1       | 0.72       | 0.014      | 0.07      | 0.049   | 96       | 0.5      | 0.06     |
| 11AN0430a | 36.8     | 0.42     | 0.25     | 0.19     | 42      | 0.35       | 0.068      | 9.2      | 16.1     | 0.2       | 596.5    | 0.017      | 0.49    | 1.07       | 0.008      | 0.07      | 0.049   | 71       | 0.6      | 0.08     |
| 11AN0431a | 20.5     | 0.37     | 0.33     | 0.17     | 50      | 0.2        | 0.066      | 7.4      | 15.3     | 0.23      | 438.2    | 0.052      | 0.49    | 0.95       | 0.009      | 0.08      | 0.049   | 49       | 1.3      | 0.12     |
| 11AN0432a | 48.6     | 0.64     | 0.31     | 0.17     | 42      | 0.42       | 0.088      | 7.3      | 15.5     | 0.23      | 798      | 0.029      | 1       | 0.85       | 0.014      | 0.09      | 0.049   | 83       | 0.7      | 0.1      |
| 11AN0433a | 9.8      | 0.45     | 0.13     | 0.16     | 17      | 0.06       | 0.121      | 4.2      | 10.9     | 0.06      | 122.5    | 0.004      | 0.49    | 0.65       | 0.009      | 0.03      | 0.049   | 41       | 0.2      | 0.05     |
| 11AN0434a | 12.5     | 0.18     | 0.18     | 0.23     | 44      | 0.11       | 0.045      | 6.2      | 13       | 0.16      | 108.3    | 0.029      | 0.49    | 0.89       | 0.008      | 0.05      | 0.049   | 40       | 0.4      | 0.07     |
| 11AN0435a | 16       | 0.24     | 0.19     | 0.14     | 16      | 0.13       | 0.154      | 9.3      | 12.5     | 0.12      | 169.6    | 0.003      | 0.49    | 0.85       | 0.011      | 0.05      | 0.049   | 110      | 0.3      | 0.06     |
| 11AN0436a | 12.6     | 0.15     | 0.28     | 0.21     | 52      | 0.14       | 0.05       | 8.3      | 21.6     | 0.32      | 152.5    | 0.048      | 1       | 1.44       | 0.007      | 0.09      | 0.049   | 57       | 1.4      | 0.11     |
| 11AN0437a | 67.2     | 0.29     | 0.16     | 0.15     | 20      | 1.22       | 0.094      | 16.7     | 13.8     | 0.24      | 388.3    | 0.013      | 0.49    | 0.92       | 0.011      | 0.06      | 0.049   | 98       | 0.8      | 0.05     |
| 11AN0438a | 16.4     | 0.16     | 0.18     | 0.15     | 21      | 0.11       | 0.106      | 7.9      | 13.4     | 0.06      | 199      | 0.005      | 1       | 0.79       | 0.01       | 0.04      | 0.049   | 82       | 0.3      | 0.06     |
| 11AN0440a | 24.6     | 0.33     | 0.15     | 0.17     | 23      | 0.27       | 0.063      | 19.5     | 14.3     | 0.1       | 296.9    | 0.007      | 1       | 0.78       | 0.01       | 0.05      | 0.049   | 52       | 0.3      | 0.05     |
| 11AN0441a | 22.5     | 0.25     | 0.17     | 0.14     | 30      | 0.23       | 0.053      | 20.5     | 16.3     | 0.15      | 271.2    | 0.013      | 0.49    | 0.98       | 0.01       | 0.05      | 0.049   | 46       | 0.5      | 0.06     |
| 11AN0442a | 117.3    | 0.28     | 0.17     | 0.04     | 3       | 2.41       | 0.084      | 25       | 3.9      | 0.17      | 677.7    | 0.008      | 4       | 0.24       | 0.013      | 0.03      | 0.049   | 118      | 1.1      | 0.0099   |
| 11AN0443a | 93       | 0.19     | 0.42     | 0.06     | 13      | 2.04       | 0.134      | 153.4    | 7.3      | 0.14      | 773.5    | 0.012      | 3       | 0.8        | 0.014      | 0.03      | 0.049   | 130      | 1.9      | 0.08     |
| 11AN0444a | 33.9     | 0.35     | 0.17     | 0.12     | 18      | 0.4        | 0.108      | 34.3     | 18.9     | 0.13      | 347.2    | 0.017      | 2       | 0.62       | 0.012      | 0.04      | 0.049   | 88       | 1.1      | 0.05     |
| 11AN0445a | 79.7     | 0.18     | 0.28     | 0.18     | 44      | 0.99       | 0.146      | 124.3    | 58.5     | 0.75      | 703.4    | 0.079      | 2       | 1.5        | 0.017      | 0.09      | 0.2     | 101      | 4.2      | 0.16     |
| 11AN0446a | 70.5     | 0.14     | 0.22     | 0.08     | 10      | 0.77       | 0.102      | 95.2     | 10.3     | 0.12      | 603.8    | 0.017      | 2       | 0.59       | 0.017      | 0.03      | 0.049   | 150      | 1.3      | 0.04     |
| 11AN0447a | 27.1     | 0.21     | 0.24     | 0.12     | 25      | 0.2        | 0.052      | 45.5     | 16.6     | 0.11      | 340.5    | 0.015      | 1       | 0.75       | 0.013      | 0.05      | 0.049   | 68       | 0.7      | 0.08     |
| 11AN0448a | 72.1     | 0.4      | 0.38     | 0.11     | 33      | 0.94       | 0.127      | 85.4     | 22       | 0.33      | 800.2    | 0.038      | 3       | 1.56       | 0.012      | 0.07      | 0.1     | 156      | 3.9      | 0.1      |
| 11AN0449a | 40.8     | 0.18     | 0.27     | 0.09     | 21      | 0.51       | 0.095      | 41.4     | 15.2     | 0.23      | 458      | 0.027      | 2       | 0.95       | 0.012      | 0.05      | 0.1     | 115      | 2.1      | 0.06     |
| 11CB1125a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1126a | 52.3     | 0.39     | 0.33     | 0.12     | 20      | 0.85       | 0.096      | 22.6     | 13.9     | 0.25      | 344      | 0.017      | 4       | 0.8        | 0.008      | 0.09      | 0.049   | 148      | 2.9      | 0.07     |
| 11CB1127a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1125a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1126a | 52.3     | 0.39     | 0.33     | 0.12     | 20      | 0.85       | 0.096      | 22.6     | 13.9     | 0.25      | 344      | 0.017      | 4       | 0.8        | 0.008      | 0.09      | 0.049   | 148      | 2.9      | 0.07     |
| 11CB1127a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1128a | 48       | 0.75     | 0.21     | 0.13     | 24      | 0.55       | 0.079      | 5        | 8.3      | 0.13      | 582      | 0.019      | 2       | 0.48       | 0.01       | 0.08      | 0.1     | 102      | 0.5      | 0.09     |
| 11CB1129a | 32.3     | 0.44     | 0.24     | 0.15     | 35      | 0.36       | 0.059      | 5.8      | 11       | 0.14      | 430      | 0.025      | 0.49    | 0.58       | 0.009      | 0.06      | 0.049   | 60       | 0.7      | 0.07     |
| 11CB1130a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1131a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1132a | 42.9     | 0.88     | 0.29     | 0.16     | 29      | 0.4        | 0.085      | 4.6      | 11.4     | 0.12      | 624.4    | 0.009      | 0.49    | 0.56       | 0.012      | 0.07      | 0.049   | 109      | 0.3      | 0.09     |
| 11CB1133a | 36       | 0.79     | 0.31     | 0.17     | 38      | 0.33       | 0.071      | 5.3      | 12.4     | 0.15      | 656.9    | 0.018      | 0.49    | 0.7        | 0.011      | 0.06      | 0.049   | 90       | 0.5      | 0.08     |
| 11CB1134a | 28.9     | 0.66     | 0.26     | 0.12     | 33      | 0.23       | 0.16       | 7.3      | 15.1     | 0.19      | 565.8    | 0.046      | 0.49    | 1.03       | 0.011      | 0.12      | 0.049   | 24       | 2        | 0.04     |
| 11CB1135a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11CB1135a | 22.2     | 0.5      | 0.23     | 0.11     | 31      | 0.17       | 0.102      | 7        | 13.5     | 0.18      | 395.6    | 0.037      | 1       | 0.85       | 0.01       | 0.11      | 0.049   | 50       | 1.3      | 0.06     |
| 11CB1136a | 12.6     | 0.26     | 0.14     | 0.11     | 16      | 0.09       | 0.116      | 6.2      | 11.4     | 0.05      | 122.8    | 0.005      | 2       | 0.61       | 0.012      | 0.04      | 0.049   | 106      | 0.4      | 0.05     |
| 11CB1137a | 14       | 0.29     | 0.15     | 0.09     | 14      | 0.1        | 0.11       | 4.6      | 9.7      | 0.05      | 115.2    | 0.004      | 0.49    | 0.52       | 0.012      | 0.05      | 0.049   | 84       | 0.2      | 0.04     |

|           | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca__0_01 | P__0_001 | La_ppm_0 | Cr_ppm_0 | Mg__0_0 | Ba_ppm_0 | Ti__0_00 | B_ppm_1 | Al__0_01 | Na__0_00 | K__0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|---------|----------|----------|---------|----------|----------|---------|---------|----------|----------|----------|
| 11CB1138a | 17.5     | 0.49     | 0.19     | 0.1      | 16      | 0.11     | 0.125    | 5.7      | 10.2     | 0.06    | 169.5    | 0.002    | 1       | 0.61     | 0.012    | 0.04    | 0.049   | 119      | 0.3      | 0.03     |
| 11CB1139a | 17.7     | 0.59     | 0.13     | 0.08     | 12      | 0.14     | 0.099    | 7.6      | 8.9      | 0.04    | 178.4    | 0.002    | 0.49    | 0.5      | 0.014    | 0.04    | 0.049   | 84       | 0.3      | 0.03     |
| 11CB1140a | 14.7     | 0.48     | 0.22     | 0.13     | 23      | 0.12     | 0.098    | 7.1      | 10.3     | 0.06    | 141.9    | 0.002    | 0.49    | 0.58     | 0.013    | 0.04    | 0.049   | 66       | 0.2      | 0.04     |
| 11CB1141a | 13.3     | 0.48     | 0.23     | 0.14     | 23      | 0.1      | 0.091    | 7.1      | 10.6     | 0.06    | 139.1    | 0.002    | 0.49    | 0.58     | 0.012    | 0.04    | 0.049   | 55       | 0.2      | 0.04     |
| 11CB1142a | 12       | 0.45     | 0.25     | 0.13     | 25      | 0.08     | 0.082    | 7.4      | 11.3     | 0.05    | 130.4    | 0.003    | 0.49    | 0.6      | 0.011    | 0.03    | 0.049   | 46       | 0.2      | 0.04     |
| 11CB1143a | 15.4     | 0.29     | 0.23     | 0.13     | 29      | 0.08     | 0.053    | 8.3      | 13.8     | 0.13    | 143.8    | 0.018    | 0.49    | 0.7      | 0.009    | 0.03    | 0.049   | 68       | 0.7      | 0.04     |
| 11CB1144a | 17       | 0.31     | 0.22     | 0.14     | 29      | 0.1      | 0.046    | 9        | 11.6     | 0.09    | 164.8    | 0.023    | 0.49    | 0.61     | 0.01     | 0.03    | 0.049   | 76       | 0.8      | 0.04     |
| 11CB1145a | 55.9     | 1.28     | 0.27     | 0.14     | 26      | 0.61     | 0.116    | 66.1     | 16.5     | 0.16    | 549.6    | 0.029    | 2       | 0.86     | 0.013    | 0.1     | 0.049   | 68       | 1.6      | 0.07     |
| 11CB1146a | 47.9     | 1.08     | 0.24     | 0.17     | 27      | 0.53     | 0.09     | 67.9     | 18       | 0.18    | 531.5    | 0.023    | 1       | 0.96     | 0.012    | 0.08    | 0.049   | 68       | 1.6      | 0.05     |
| 11CB1147a | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS1143a | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS1144a | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS1145a | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS1146a | 43.7     | 2.26     | 0.21     | 0.17     | 12      | 0.59     | 0.12     | 13.6     | 7.7      | 0.14    | 669.8    | 0.012    | 1       | 0.42     | 0.012    | 0.12    | 0.049   | 116      | 0.5      | 0.07     |
| 11DS1147a | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11DS1148a | 28.6     | 1.3      | 0.18     | 0.14     | 10      | 0.35     | 0.2      | 3.4      | 8        | 0.1     | 450.1    | 0.003    | 1       | 0.43     | 0.016    | 0.08    | 0.049   | 138      | 0.3      | 0.06     |
| 11DS1149a | 45.9     | 2.11     | 0.14     | 0.13     | 11      | 0.56     | 0.101    | 5.6      | 9.1      | 0.11    | 836.6    | 0.004    | 0.49    | 0.43     | 0.017    | 0.07    | 0.049   | 104      | 0.3      | 0.06     |
| 11DS1150a | 30.1     | 2.08     | 0.19     | 0.13     | 18      | 0.3      | 0.119    | 4.1      | 10.2     | 0.1     | 596      | 0.003    | 0.49    | 0.57     | 0.012    | 0.07    | 0.049   | 92       | 0.2      | 0.05     |
| 11DS1151a | 47.5     | 1.27     | 0.23     | 0.12     | 13      | 0.69     | 0.193    | 9.6      | 9.1      | 0.11    | 539.9    | 0.001    | 1       | 0.65     | 0.015    | 0.07    | 0.049   | 161      | 0.4      | 0.05     |
| 11DS1152a | 44.7     | 0.48     | 0.27     | 0.12     | 18      | 0.49     | 0.159    | 5.8      | 17.1     | 0.21    | 453.1    | 0.007    | 0.49    | 0.75     | 0.017    | 0.08    | 0.049   | 92       | 0.3      | 0.12     |
| 11DS1153a | 20       | 0.35     | 0.17     | 0.11     | 15      | 0.18     | 0.125    | 3.2      | 12.2     | 0.04    | 149.7    | 0.002    | 0.49    | 0.44     | 0.014    | 0.04    | 0.049   | 90       | 0.2      | 0.03     |
| 11DS1154a | 22.9     | 0.48     | 0.17     | 0.1      | 11      | 0.2      | 0.124    | 3.7      | 8.5      | 0.06    | 202.2    | 0.003    | 0.49    | 0.44     | 0.015    | 0.07    | 0.049   | 128      | 0.2      | 0.04     |
| 11DS1155a | 26.8     | 0.81     | 0.17     | 0.11     | 15      | 0.19     | 0.125    | 9.9      | 8.8      | 0.07    | 260.5    | 0.002    | 0.49    | 0.48     | 0.016    | 0.08    | 0.049   | 119      | 0.2      | 0.02     |
| 11DS1156a | 31.3     | 1.02     | 0.18     | 0.13     | 13      | 0.13     | 0.122    | 17.8     | 9.1      | 0.06    | 430.3    | 0.002    | 0.49    | 0.62     | 0.015    | 0.06    | 0.049   | 159      | 0.2      | 0.03     |
| 11DS1157a | 29.4     | 0.61     | 0.25     | 0.14     | 25      | 0.32     | 0.115    | 23.1     | 12.7     | 0.14    | 361.3    | 0.009    | 0.49    | 1.04     | 0.009    | 0.09    | 0.049   | 136      | 0.4      | 0.05     |
| 11DS1158a | 49       | 0.24     | 0.24     | 0.08     | 9       | 0.56     | 0.133    | 67.8     | 7.1      | 0.09    | 452      | 0.01     | 1       | 0.62     | 0.01     | 0.07    | 0.049   | 158      | 1        | 0.04     |
| 11DS1159a | 126.4    | 0.51     | 0.19     | 0.08     | 11      | 2.17     | 0.099    | 12.2     | 8.3      | 0.2     | 250.3    | 0.004    | 2       | 0.6      | 0.013    | 0.04    | 0.049   | 157      | 0.3      | 0.04     |
| 11DS1160a | 160.4    | 0.33     | 0.23     | 0.39     | 8       | 2.61     | 0.076    | 28.7     | 5.5      | 0.24    | 182.3    | 0.011    | 2       | 0.55     | 0.016    | 0.02    | 0.1     | 119      | 1.1      | 0.07     |
| 11DS1162a | 55.4     | 0.34     | 0.2      | 0.15     | 11      | 0.46     | 0.096    | 49.2     | 6.4      | 0.09    | 416.6    | 0.006    | 2       | 0.49     | 0.018    | 0.06    | 0.049   | 124      | 0.6      | 0.04     |
| 11DS1163a | 37.8     | 1.04     | 0.14     | 0.13     | 14      | 0.28     | 0.077    | 18.5     | 10.4     | 0.07    | 392.8    | 0.013    | 2       | 0.54     | 0.014    | 0.04    | 0.049   | 75       | 0.7      | 0.04     |
| 11DS1164a | 21       | 0.64     | 0.17     | 0.15     | 25      | 0.1      | 0.06     | 6.3      | 13.9     | 0.07    | 187.4    | 0.018    | 0.49    | 0.55     | 0.016    | 0.04    | 0.1     | 69       | 0.5      | 0.04     |
| 11DS1165a | 26.7     | 0.54     | 0.24     | 0.14     | 19      | 0.13     | 0.083    | 66.6     | 11.4     | 0.08    | 350.8    | 0.006    | 1       | 0.61     | 0.014    | 0.06    | 0.049   | 116      | 0.5      | 0.04     |
| 11DS1166a | 17.6     | 0.34     | 0.11     | 0.13     | 13      | 0.06     | 0.071    | 27.9     | 10.2     | 0.04    | 243.1    | 0.006    | 1       | 0.63     | 0.025    | 0.04    | 0.049   | 64       | 0.6      | 0.04     |
| 11DS1167a | 23.5     | 0.32     | 0.15     | 0.11     | 14      | 0.11     | 0.073    | 32.6     | 10.8     | 0.04    | 249      | 0.005    | 0.49    | 0.64     | 0.021    | 0.04    | 0.049   | 46       | 0.6      | 0.03     |
| 11TB1178a | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |
| 11TB1179a | 31.9     | 0.4      | 0.13     | 0.1      | 10      | 0.53     | 0.081    | 6.4      | 5.7      | 0.11    | 294.2    | 0.011    | 2       | 0.43     | 0.007    | 0.05    | 0.049   | 135      | 1.2      | 0.03     |
| 11TB1180a | 82       | 0.45     | 0.26     | 0.36     | 27      | 1.34     | 0.098    | 24.2     | 16.8     | 0.27    | 729      | 0.023    | 2       | 0.91     | 0.011    | 0.06    | 0.1     | 155      | 2.6      | 0.02     |
| 11TB1182a | 18.9     | 0.36     | 0.26     | 0.14     | 39      | 0.22     | 0.046    | 6.7      | 10       | 0.15    | 266      | 0.038    | 1       | 0.61     | 0.012    | 0.08    | 0.1     | 62       | 1.3      | 0.09     |
| 11TB1183a | 65.3     | 0.91     | 0.27     | 0.14     | 30      | 0.77     | 0.111    | 3.8      | 9.6      | 0.2     | 581.6    | 0.031    | 2       | 0.51     | 0.01     | 0.1     | 0.049   | 176      | 0.8      | 0.08     |
| 11TB1184a | 48.8     | 0.86     | 0.37     | 0.15     | 46      | 0.6      | 0.077    | 5.4      | 15.8     | 0.27    | 739.3    | 0.055    | 2       | 0.78     | 0.011    | 0.14    | 0.1     | 79       | 1.5      | 0.11     |
| 11TB1185a | 44.9     | 0.54     | 0.23     | 0.13     | 26      | 0.46     | 0.089    | 3        | 8.3      | 0.13    | 455.8    | 0.027    | 1       | 0.42     | 0.011    | 0.07    | 0.049   | 157      | 0.7      | 0.07     |
| 11TB1186a | 48.1     | 0.89     | 0.35     | 0.19     | 68      | 0.49     | 0.12     | 7.1      | 21.6     | 0.4     | 676      | 0.07     | 1       | 1.4      | 0.013    | 0.15    | 0.049   | 2.49     | 2.4      | 0.08     |
| 11TB1187a | 14       | 0.47     | 0.2      | 0.13     | 29      | 0.15     | 0.089    | 3.5      | 9.9      | 0.1     | 140      | 0.005    | 1       | 0.69     | 0.01     | 0.05    | 0.049   | 79       | 0.3      | 0.05     |
| 11TB1188a | 24.3     | 0.4      | 0.14     | 0.1      | 11      | 0.23     | 0.131    | 3        | 7.3      | 0.07    | 181.9    | 0.005    | 1       | 0.44     | 0.013    | 0.06    | 0.049   | 145      | 0.4      | 0.05     |
| 11TB1189a | 13.5     | 0.24     | 0.19     | 0.14     | 20      | 0.1      | 0.087    | 4.6      | 9.6      | 0.06    | 138.4    | 0.011    | 1       | 0.59     | 0.014    | 0.04    | 0.049   | 101      | 0.4      | 0.05     |
| 11TB1190a | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100     | -100     | -100    | -100     | -100     | -100    | -100     | -100     | -100    | -100    | -100     | -100     | -100     |

| Sample No | Sr_ppm_0 | Cd_ppm_0 | Sb_ppm_0 | Bi_ppm_0 | V_ppm_2 | Ca____0_01 | P____0_001 | La_ppm_0 | Cr_ppm_0 | Mg____0_0 | Ba_ppm_0 | Ti____0_00 | B_ppm_1 | Al____0_01 | Na____0_00 | K____0_01 | W_ppm_0 | Hg_ppb_5 | Sc_ppm_0 | Tl_ppm_0 |
|-----------|----------|----------|----------|----------|---------|------------|------------|----------|----------|-----------|----------|------------|---------|------------|------------|-----------|---------|----------|----------|----------|
| 11TB1191a | 26.7     | 0.57     | 0.14     | 0.12     | 16      | 0.27       | 0.092      | 16.6     | 9.7      | 0.06      | 353.9    | 0.002      | 0.49    | 0.61       | 0.013      | 0.04      | 0.049   | 77       | 0.2      | 0.03     |
| 11TB1192a | 15       | 0.57     | 0.2      | 0.14     | 29      | 0.14       | 0.061      | 14.5     | 11.6     | 0.12      | 238.6    | 0.01       | 0.49    | 0.58       | 0.01       | 0.05      | 0.049   | 34       | 0.3      | 0.06     |
| 11TB1193a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1194a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1195a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1196a | 27.4     | 0.98     | 0.2      | 0.21     | 23      | 0.23       | 0.068      | 23.9     | 14.7     | 0.13      | 284.2    | 0.01       | 0.49    | 0.62       | 0.012      | 0.05      | 0.049   | 91       | 0.4      | 0.05     |
| 11TB1197a | -100     | -100     | -100     | -100     | -100    | -100       | -100       | -100     | -100     | -100      | -100     | -100       | -100    | -100       | -100       | -100      | -100    | -100     | -100     | -100     |
| 11TB1198a | 16.6     | 0.89     | 0.13     | 0.1      | 12      | 0.08       | 0.058      | 10.8     | 10.2     | 0.03      | 220      | 0.002      | 0.49    | 0.44       | 0.014      | 0.03      | 0.049   | 46       | 0.1      | 0.04     |
| 11TB1199a | 36.8     | 0.85     | 0.23     | 0.09     | 17      | 0.23       | 0.107      | 48.9     | 11       | 0.07      | 391.9    | 0.002      | 0.49    | 0.47       | 0.016      | 0.06      | 0.049   | 91       | 0.2      | 0.05     |
| 11TB1200a | 17.5     | 0.27     | 0.17     | 0.19     | 26      | 0.09       | 0.072      | 23       | 20.6     | 0.17      | 232.8    | 0.024      | 0.49    | 0.88       | 0.011      | 0.07      | 0.049   | 98       | 0.7      | 0.11     |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11GR0001A | 0.12      | 3.2      | 0.6      | 0.03        |
| 11GR0002A | 0.11      | 2.8      | 0.4      | 0.03        |
| 11GR0005A | 0.08      | 5.6      | 0.3      | 0.07        |
| 11GR0006A | 0.12      | 3.6      | 0.3      | 0.2         |
| 11GR0007A | 0.11      | 2.4      | 0.2      | 0.06        |
| 11GR0010A | 0.1       | 2.9      | 0.2      | 0.07        |
| 11GR0011A | 0.08      | 4.3      | 0.4      | 0.06        |
| 11GR0012A | 0.16      | 0.9      | 0.3      | 0.03        |
| 11GR0013A | 0.08      | 2.9      | 0.3      | 0.02        |
| 11GR0014A | 0.13      | 1.9      | 0.4      | 0.02        |
| 11GR0015A | 0.13      | 3.2      | 0.5      | 0.03        |
| 11GR0016A | 0.13      | 3.6      | 0.6      | 0.05        |
| 11GR0017A | 0.14      | 1.5      | 0.5      | 0.03        |
| 11GR0018A | 0.07      | 4.1      | 0.5      | 0.04        |
| 11GR0030A | 0.14      | 1.8      | 0.4      | 0.03        |
| 11GR0031A | 0.11      | 3.4      | 0.5      | 0.0099      |
| 11GR0032A | 0.13      | 2.8      | 0.4      | 0.0099      |
| 11GR0033A | 0.14      | 2.1      | 0.5      | 0.0099      |
| 11GR0034A | 0.09      | 3.5      | 0.5      | 0.03        |
| 11GR0036A | 0.08      | 5        | 0.4      | 0.03        |
| 11GR0037A | 0.13      | 3.7      | 0.6      | 0.02        |
| 11GR0039A | 0.1       | 4.1      | 0.2      | 0.03        |
| 11GR0049A | 0.11      | 3.1      | 0.5      | 0.0099      |
| 11GR0051A | 0.09      | 4.4      | 0.8      | 0.03        |
| 11GR0053A | 0.17      | 1.9      | 0.8      | 0.0099      |
| 11GR0054A | 0.13      | 2.5      | 0.7      | 0.0099      |
| 11GR0055A | 0.18      | 1.4      | 0.6      | 0.02        |
| 11JM0672A | -100      | -100     | -100     | -100        |
| 11JM0673A | -100      | -100     | -100     | -100        |
| 11JM0674A | -100      | -100     | -100     | -100        |
| 11JM0675A | 0.12      | 3.8      | 0.5      | 0.02        |
| 11JM0676A | 0.12      | 3.6      | 0.5      | 0.02        |
| 11JM0677A | -100      | -100     | -100     | -100        |
| 11AN0583a | 0.1       | 3.5      | 0.8      | 0.03        |
| 11AN0584a | 0.13      | 2.2      | 0.6      | 0.0099      |
| 11AN0585a | 0.12      | 1.3      | 0.3      | 0.02        |
| 11AN0586a | 0.0099    | 4.3      | 0.049    | 0.0099      |
| 11AN0587a | 0.02      | 4.4      | 0.1      | 0.02        |
| 11AN0588a | 0.04      | 3.7      | 0.2      | 0.0099      |
| 11AN0589a | 0.16      | 1        | 0.4      | 0.0099      |
| 11AN0590a | 0.04      | 4        | 0.2      | 0.0099      |
| 11AN0591a | 0.04      | 2.8      | 0.2      | 0.0099      |
| 11AN0592a | 0.04      | 4.8      | 0.2      | 0.02        |
| 11AN0593a | 0.05      | 4.6      | 0.2      | 0.0099      |
| 11AN0594a | 0.06      | 5.7      | 0.4      | 0.0099      |
| 11AN0595a | 0.12      | 2.2      | 0.5      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0596a | 0.11      | 3.1      | 0.5      | 0.02        |
| 11AN0597a | 0.08      | 3.5      | 0.4      | 0.02        |
| 11AN0598a | 0.16      | 0.7      | 0.6      | 0.0099      |
| 11AN0599a | 0.17      | 1        | 0.8      | 0.03        |
| 11AN0600a | 0.16      | 0.8      | 0.6      | 0.0099      |
| 11AN0602a | 0.14      | 2.1      | 0.5      | 0.04        |
| 11AN0603a | 0.11      | 2.5      | 0.6      | 0.04        |
| 11AN0604a | 0.07      | 3.6      | 0.4      | 0.02        |
| 11CB1279a | 0.15      | 1.3      | 1.1      | 0.04        |
| 11CB1280a | 0.15      | 1.7      | 1.3      | 0.04        |
| 11CB1282a | 0.16      | 0.6      | 0.9      | 0.03        |
| 11CB1283a | 0.17      | 0.7      | 0.8      | 0.0099      |
| 11CB1284a | 0.1       | 2.1      | 1.2      | 0.06        |
| 11CB1285a | 0.16      | 1.3      | 1.3      | 0.03        |
| 11CB1286a | 0.16      | 1.3      | 1.1      | 0.03        |
| 11CB1287a | 0.14      | 1.2      | 1.3      | 0.03        |
| 11CB1288a | 0.14      | 1.2      | 1.2      | 0.04        |
| 11CB1289a | 0.15      | 1.5      | 1.4      | 0.06        |
| 11CB1290a | 0.14      | 1.3      | 1.3      | 0.04        |
| 11CB1291a | 0.16      | 1.6      | 1.5      | 0.06        |
| 11CB1292a | 0.14      | 1.7      | 0.6      | 0.0099      |
| 11CB1293a | 0.14      | 1.8      | 0.7      | 0.02        |
| 11CB1294a | 0.13      | 1.2      | 0.5      | 0.0099      |
| 11CB1295a | 0.12      | 1.7      | 0.7      | 0.03        |
| 11CB1296a | 0.1       | 1.8      | 0.5      | 0.0099      |
| 11CB1297a | 0.1       | 2.1      | 0.5      | 0.0099      |
| 11CB1298a | 0.08      | 3.9      | 0.4      | 0.04        |
| 11CB1299a | 0.08      | 3.8      | 0.4      | 0.0099      |
| 11CB1300a | 0.07      | 3.9      | 0.3      | 0.0099      |
| 11CB1315a | 0.08      | 6.1      | 0.9      | 0.04        |
| 11AN0605a | 0.13      | 1.9      | 0.5      | 0.0099      |
| 11AN0606a | 0.14      | 0.7      | 0.7      | 0.03        |
| 11AN0607a | 0.1       | 3.2      | 0.5      | 0.0099      |
| 11AN0608a | 0.11      | 2.4      | 0.7      | 0.03        |
| 11AN0609a | 0.1       | 3.3      | 0.7      | 0.03        |
| 11AN0610a | 0.09      | 4.6      | 0.7      | 0.03        |
| 11AN0611a | 0.1       | 3.8      | 0.8      | 0.0099      |
| 11AN0612a | 0.09      | 3.1      | 0.7      | 0.0099      |
| 11AN0613a | 0.08      | 4.6      | 0.4      | 0.0099      |
| 11AN0614a | 0.14      | 2.3      | 0.7      | 0.0099      |
| 11AN0615a | 0.07      | 4.5      | 0.2      | 0.0099      |
| 11AN0616a | 0.03      | 4.3      | 0.3      | 0.0099      |
| 11AN0617a | 0.04      | 7.5      | 0.5      | 0.03        |
| 11AN0618a | 0.02      | 4.7      | 0.2      | 0.0099      |
| 11AN0619a | 0.06      | 4.7      | 0.6      | 0.0099      |
| 11AN0620a | 0.04      | 3.4      | 0.2      | 0.03        |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0622a | 0.03      | 5.9      | 0.2      | 0.0099      |
| 11AN0623a | 0.06      | 4.5      | 0.5      | 0.0099      |
| 11CB1302a | 0.05      | 6.1      | 0.7      | 0.05        |
| 11CB1303a | 0.06      | 6.3      | 0.7      | 0.07        |
| 11CB1304a | 0.04      | 6.1      | 0.6      | 0.05        |
| 11CB1305a | 0.05      | 6.2      | 0.9      | 0.06        |
| 11CB1306a | 0.05      | 5.4      | 0.7      | 0.05        |
| 11CB1307a | 0.06      | 5.1      | 0.8      | 0.04        |
| 11CB1308a | 0.06      | 5.9      | 0.8      | 0.04        |
| 11CB1309a | 0.07      | 5.6      | 0.9      | 0.06        |
| 11CB1310a | 0.06      | 5.6      | 0.8      | 0.04        |
| 11CB1311a | 0.06      | 6        | 0.8      | 0.05        |
| 11CB1312a | 0.06      | 5.3      | 0.7      | 0.05        |
| 11CB1313a | 0.06      | 5.9      | 0.8      | 0.05        |
| 11CB1314a | 0.1       | 5.8      | 0.9      | 0.04        |
| 11CB1316a | 0.08      | 6.3      | 1        | 0.05        |
| 11CB1317a | 0.07      | 6.1      | 0.9      | 0.05        |
| 11CB1318a | 0.06      | 5.5      | 0.8      | 0.03        |
| 11CB1319a | 0.07      | 5.7      | 0.7      | 0.05        |
| 11CB1320a | 0.06      | 5.7      | 0.8      | 0.05        |
| 11CB1321a | 0.07      | 6        | 0.8      | 0.05        |
| 11CB1073a | -100      | -100     | -100     | -100        |
| 11CB1074a | 0.06      | 2.7      | 0.2      | 0.05        |
| 11CB1075a | 0.04      | 1.3      | 0.3      | 0.02        |
| 11CB1076a | -100      | -100     | -100     | -100        |
| 11CB1077a | 0.0099    | 4.6      | 0.049    | 0.0099      |
| 11CB1078a | -100      | -100     | -100     | -100        |
| 11CB1079a | 0.08      | 1.6      | 0.5      | 0.0099      |
| 11CB1080a | 0.09      | 4.8      | 0.4      | 0.0099      |
| 11CB1082a | 0.09      | 3.7      | 0.5      | 0.0099      |
| 11CB1083a | 0.09      | 3.5      | 0.4      | 0.0099      |
| 11CB1084a | 0.07      | 5.8      | 0.5      | 0.05        |
| 11CB1085a | 0.05      | 3.7      | 0.3      | 0.0099      |
| 11CB1086a | 0.06      | 1.4      | 0.4      | 0.0099      |
| 11CB1087a | 0.05      | 1.9      | 0.3      | 0.0099      |
| 11CB1088a | 0.04      | 4        | 0.3      | 0.04        |
| 11CB1089a | 0.05      | 2.1      | 0.3      | 0.0099      |
| 11CB1090a | -100      | -100     | -100     | -100        |
| 11CB1091a | 0.06      | 1.3      | 0.2      | 0.02        |
| 11CB1092a | 0.05      | 5        | 0.3      | 0.02        |
| 11CB1093a | 0.04      | 5        | 0.3      | 0.03        |
| 11CB1094a | 0.06      | 3.2      | 0.2      | 0.04        |
| 11CB1095a | 0.14      | 2        | 0.4      | 0.0099      |
| 11CB1096a | 0.12      | 3.9      | 0.3      | 0.0099      |
| 11CB1097a | 0.11      | 5.3      | 0.4      | 0.03        |
| 11CB1098a | 0.1       | 5.4      | 0.3      | 0.02        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11CB1099a | -100      | -100     | -100     | -100        |
| 11CB1100a | 0.1       | 2.3      | 0.2      | 0.02        |
| 11CB1102a | 0.04      | 7        | 0.049    | 0.04        |
| 11CB1103a | 0.0099    | 7        | 0.2      | 0.03        |
| 11CB1104a | 0.06      | 5.5      | 0.049    | 0.0099      |
| 11CB1105a | 0.04      | 5.2      | 0.1      | 0.0099      |
| 11CB1106a | 0.05      | 3.7      | 0.049    | 0.0099      |
| 11CB1107a | 0.06      | 5        | 0.049    | 0.04        |
| 11CB1108a | 0.09      | 5.2      | 0.2      | 0.03        |
| 11CB1109a | 0.08      | 5.6      | 0.1      | 0.02        |
| 11CB1110a | 0.09      | 4        | 0.049    | 0.0099      |
| 11CB1111a | 0.12      | 3.8      | 0.049    | 0.0099      |
| 11CB1112a | 0.1       | 3.7      | 0.2      | 0.0099      |
| 11CB1113a | 0.12      | 2.9      | 0.3      | 0.0099      |
| 11CB1114a | 0.12      | 2.7      | 0.4      | 0.0099      |
| 11CB1115a | 0.12      | 3.3      | 0.4      | 0.03        |
| 11CB1116a | -100      | -100     | -100     | -100        |
| 11CB1117a | 0.12      | 2.3      | 0.4      | 0.03        |
| 11CB1118a | 0.12      | 2.9      | 0.3      | 0.02        |
| 11CB1119a | 0.13      | 2.1      | 0.5      | 0.06        |
| 11CB1120a | 0.06      | 3.1      | 0.3      | 0.03        |
| 11CB1122A | 0.1       | 2.1      | 0.5      | 0.03        |
| 11CB1123a | 0.08      | 2.3      | 0.5      | 0.03        |
| 11CB1124a | 0.04      | 3.9      | 0.3      | 0.03        |
| 11AN0001A | 0.07      | 2.9      | 0.4      | 0.0099      |
| 11AN0002A | 0.07      | 3.6      | 0.3      | 0.02        |
| 11AN0003A | 0.05      | 3.1      | 0.3      | 0.02        |
| 11AN0004A | 0.06      | 2.5      | 0.4      | 0.03        |
| 11CB0706A | 0.0099    | 5.2      | 0.3      | 0.04        |
| 11CB0707A | 0.0099    | 6        | 0.2      | 0.03        |
| 11CB0708A | 0.0099    | 4.1      | 0.2      | 0.05        |
| 11CB0709A | 0.06      | 1.7      | 0.2      | 0.03        |
| 11CB0710A | 0.06      | 2.3      | 0.3      | 0.03        |
| 11DS0715A | 0.06      | 4.5      | 0.6      | 0.0099      |
| 11DS0716A | 0.08      | 2.1      | 0.4      | 0.0099      |
| 11DS0717A | 0.07      | 1.7      | 0.5      | 0.02        |
| 11DS0718A | 0.07      | 1.6      | 0.4      | 0.0099      |
| 11TB0743A | 0.06      | 2.7      | 0.4      | 0.04        |
| 11TB0744A | 0.07      | 2.4      | 0.5      | 0.0099      |
| 11TB0745A | 0.07      | 2        | 0.5      | 0.05        |
| 11TB0746A | 0.16      | 1.5      | 0.5      | 0.07        |
| 11AN0005A | 0.17      | 0.8      | 0.5      | 0.0099      |
| 11AN0006A | 0.09      | 3.1      | 0.4      | 0.03        |
| 11AN0007A | 0.13      | 1.8      | 0.6      | 0.02        |
| 11AN0008A | 0.13      | 3.4      | 0.4      | 0.02        |
| 11AN0009A | 0.08      | 3.3      | 0.2      | 0.03        |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0010A | 0.06      | 4.6      | 0.2      | 0.0099      |
| 11AN0011A | 0.0099    | 4.6      | 0.049    | 0.02        |
| 11AN0012A | 0.04      | 2.7      | 0.2      | 0.02        |
| 11AN0013A | 0.03      | 4        | 0.1      | 0.0099      |
| 11AN0014A | 0.04      | 3.1      | 0.049    | 0.0099      |
| 11AN0015A | 0.0099    | 6.2      | 0.049    | 0.03        |
| 11AN0016A | 0.04      | 2.6      | 0.1      | 0.02        |
| 11AN0017A | 0.03      | 4.5      | 0.1      | 0.0099      |
| 11AN0018A | 0.0099    | 4.1      | 0.049    | 0.03        |
| 11AN0019A | 0.0099    | 6.5      | 0.049    | 0.0099      |
| 11AN0020A | 0.03      | 4.8      | 0.2      | 0.0099      |
| 11AN0022A | 0.03      | 5.1      | 0.1      | 0.03        |
| 11AN0023A | 0.06      | 5.3      | 0.3      | 0.03        |
| 11AN0024A | 0.0099    | 4.6      | 0.2      | 0.0099      |
| 11AN0025A | 0.03      | 3.4      | 0.2      | 0.03        |
| 11CB0711A | 0.14      | 2.5      | 0.4      | 0.02        |
| 11CB0712A | 0.05      | 2        | 0.3      | 0.0099      |
| 11CB0713A | 0.13      | 1.6      | 0.9      | 0.0099      |
| 11CB0714A | 0.17      | 1.2      | 0.3      | 0.0099      |
| 11CB0715A | 0.15      | 0.8      | 0.3      | 0.0099      |
| 11CB0716A | 0.05      | 2.5      | 0.2      | 0.03        |
| 11CB0717A | 0.08      | 2.2      | 0.4      | 0.0099      |
| 11CB0718A | 0.09      | 2.6      | 0.3      | 0.03        |
| 11CB0719A | 0.06      | 3        | 0.3      | 0.0099      |
| 11CB0720A | 0.07      | 3.1      | 0.3      | 0.03        |
| 11CB0722A | 0.05      | 3        | 0.4      | 0.03        |
| 11CB0723A | 0.07      | 2.1      | 0.3      | 0.0099      |
| 11CB0724A | 0.03      | 2.9      | 0.3      | 0.02        |
| 11CB0725A | 0.04      | 2.7      | 0.2      | 0.0099      |
| 11CB0726A | 0.04      | 2.4      | 0.2      | 0.0099      |
| 11CB0727A | 0.04      | 1.8      | 0.2      | 0.02        |
| 11CB0728A | 0.07      | 1.7      | 0.4      | 0.0099      |
| 11CB0729A | 0.07      | 1.4      | 0.3      | 0.02        |
| 11CB0730A | 0.07      | 1.6      | 0.4      | 0.0099      |
| 11CB0731A | 0.02      | 3.8      | 0.1      | 0.02        |
| 11DS0719A | 0.05      | 2.3      | 0.5      | 0.03        |
| 11DS0720A | 0.06      | 1.9      | 0.3      | 0.04        |
| 11DS0721A | 0.15      | 1.7      | 0.9      | 0.02        |
| 11DS0722A | 0.17      | 0.6      | 0.5      | 0.0099      |
| 11DS0723A | 0.15      | 1.3      | 0.6      | 0.02        |
| 11DS0724A | 0.09      | 1        | 0.2      | 0.0099      |
| 11DS0725A | 0.06      | 1.8      | 0.2      | 0.0099      |
| 11DS0726A | 0.07      | 1.6      | 0.2      | 0.04        |
| 11DS0727A | 0.07      | 2.2      | 0.2      | 0.0099      |
| 11DS0728A | 0.06      | 1.6      | 0.2      | 0.03        |
| 11DS0729A | 0.09      | 1.7      | 0.2      | 0.03        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS0730A | 0.06      | 1.7      | 0.3      | 0.03        |
| 11DS0731A | 0.06      | 1.9      | 0.5      | 0.05        |
| 11DS0732A | 0.05      | 1.8      | 0.2      | 0.02        |
| 11DS0733A | 0.09      | 2.6      | 0.2      | 0.03        |
| 11DS0734A | 0.05      | 1.5      | 0.4      | 0.03        |
| 11DS0735A | 0.07      | 2.6      | 0.3      | 0.04        |
| 11DS0736A | 0.09      | 1.3      | 0.4      | 0.04        |
| 11DS0737A | 0.05      | 1.7      | 0.2      | 0.0099      |
| 11TB0747A | 0.07      | 2.2      | 0.5      | 0.06        |
| 11TB0748A | 0.04      | 3.1      | 0.4      | 0.0099      |
| 11TB0749A | 0.06      | 6.6      | 0.4      | 0.04        |
| 11TB0750A | 0.14      | 0.9      | 0.7      | 0.02        |
| 11TB0751A | 0.1       | 2.3      | 0.4      | 0.03        |
| 11TB0752A | 0.06      | 3.4      | 0.3      | 0.0099      |
| 11TB0753A | 0.06      | 4.3      | 0.3      | 0.0099      |
| 11TB0754A | 0.06      | 2.2      | 0.3      | 0.0099      |
| 11TB0755A | 0.1       | 3        | 0.5      | 0.03        |
| 11TB0756A | 0.08      | 5        | 0.5      | 0.0099      |
| 11TB0780A | 0.05      | 4.7      | 0.2      | 0.02        |
| 11TB0782A | 0.04      | 3.4      | 0.3      | 0.03        |
| 11TB0783A | 0.04      | 3.1      | 0.2      | 0.0099      |
| 11TB0784A | 0.0099    | 5.8      | 0.049    | 0.04        |
| 11TB0785A | 0.03      | 4.8      | 0.049    | 0.02        |
| 11TB0786A | 0.04      | 3.9      | 0.2      | 0.02        |
| 11TB0787A | 0.04      | 4.4      | 0.2      | 0.05        |
| 11TB0788A | 0.07      | 1.3      | 0.2      | 0.0099      |
| 11TB0789A | 0.07      | 2.8      | 0.3      | 0.02        |
| 11AN0026A | 0.04      | 3.6      | 0.2      | 0.02        |
| 11AN0027A | 0.03      | 3.6      | 0.1      | 0.0099      |
| 11AN0028A | 0.03      | 3.8      | 0.1      | 0.0099      |
| 11AN0029A | 0.03      | 3.5      | 0.2      | 0.03        |
| 11AN0030A | 0.03      | 4.5      | 0.3      | 0.02        |
| 11AN0031A | 0.03      | 4.8      | 0.2      | 0.02        |
| 11AN0032A | 0.12      | 3.1      | 0.5      | 0.02        |
| 11AN0033A | 0.07      | 3.4      | 0.2      | 0.0099      |
| 11AN0034A | 0.07      | 5.5      | 0.3      | 0.03        |
| 11AN0035A | 0.11      | 3.6      | 0.4      | 0.03        |
| 11AN0036A | 0.09      | 3.4      | 0.3      | 0.0099      |
| 11AN0037A | 0.07      | 4.4      | 0.2      | 0.03        |
| 11AN0038A | 0.05      | 5.7      | 0.1      | 0.0099      |
| 11AN0039A | 0.09      | 2.5      | 0.2      | 0.03        |
| 11AN0040A | 0.06      | 4.7      | 0.1      | 0.0099      |
| 11AN0042A | 0.08      | 3.4      | 0.2      | 0.05        |
| 11AN0043A | 0.08      | 3.6      | 0.2      | 0.03        |
| 11AN0044A | 0.12      | 2.6      | 0.2      | 0.02        |
| 11AN0045A | 0.07      | 3.7      | 0.2      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0046A | 0.0099    | 5.5      | 0.049    | 0.02        |
| 11AN0047A | 0.03      | 4.7      | 0.1      | 0.04        |
| 11AN0048A | 0.07      | 5.5      | 0.2      | 0.02        |
| 11AN0049A | 0.07      | 3.5      | 0.1      | 0.0099      |
| 11AN0050A | 0.03      | 3.9      | 0.1      | 0.03        |
| 11AN0051A | 0.04      | 3.8      | 0.2      | 0.03        |
| 11CB0732A | 0.07      | 1.8      | 0.3      | 0.0099      |
| 11CB0733A | 0.0099    | 4.1      | 0.1      | 0.03        |
| 11CB0734A | 0.05      | 3.4      | 0.4      | 0.02        |
| 11CB0735A | 0.04      | 2.4      | 0.3      | 0.02        |
| 11CB0736A | 0.07      | 1.4      | 0.3      | 0.0099      |
| 11CB0737A | 0.0099    | 4        | 0.2      | 0.0099      |
| 11CB0738A | 0.0099    | 4.9      | 0.2      | 0.0099      |
| 11CB0739A | 0.0099    | 9.5      | 0.4      | 0.07        |
| 11CB0740A | 0.0099    | 9.8      | 0.3      | 0.06        |
| 11CB0742A | 0.0099    | 9.7      | 0.3      | 0.09        |
| 11CB0743A | 0.14      | 2.3      | 0.3      | 0.03        |
| 11CB0744A | 0.13      | 1.2      | 0.1      | 0.0099      |
| 11CB0745A | 0.17      | 0.5      | 0.1      | 0.02        |
| 11CB0746A | 0.05      | 2.9      | 0.049    | 0.0099      |
| 11CB0747A | 0.17      | 1.2      | 0.3      | 0.0099      |
| 11CB0748A | 0.18      | 0.9      | 0.2      | 0.0099      |
| 11CB0749A | 0.1       | 4.1      | 0.2      | 0.02        |
| 11CB0750A | 0.05      | 4.7      | 0.2      | 0.03        |
| 11CB0751A | 0.12      | 2.7      | 0.1      | 0.0099      |
| 11CB0752A | 0.09      | 1.3      | 0.4      | 0.04        |
| 11CB0753A | 0.05      | 3.6      | 0.2      | 0.0099      |
| 11CB0754A | 0.04      | 2.3      | 0.2      | 0.0099      |
| 11CB0755A | 0.07      | 2.8      | 0.2      | 0.05        |
| 11CB0756A | 0.06      | 3.3      | 0.3      | 0.04        |
| 11CB0757A | 0.05      | 4.7      | 0.3      | 0.04        |
| 11CB0758A | 0.05      | 4        | 0.3      | 0.03        |
| 11DS0738A | 0.11      | 1.2      | 0.3      | 0.0099      |
| 11DS0739A | 0.08      | 1.3      | 0.2      | 0.0099      |
| 11DS0740A | 0.06      | 2.1      | 0.3      | 0.0099      |
| 11DS0741A | 0.07      | 1.7      | 0.2      | 0.03        |
| 11DS0742A | 0.07      | 1.9      | 0.3      | 0.02        |
| 11DS0743A | 0.08      | 2.2      | 0.3      | 0.03        |
| 11DS0744A | 0.14      | 2        | 0.3      | 0.03        |
| 11DS0745A | 0.12      | 4.8      | 0.3      | 0.0099      |
| 11DS0746A | 0.07      | 3        | 0.1      | 0.03        |
| 11DS0747A | 0.14      | 3.3      | 0.4      | 0.05        |
| 11DS0748A | 0.11      | 2.3      | 0.3      | 0.04        |
| 11DS0749A | 0.1       | 3.3      | 0.4      | 0.03        |
| 11DS0750A | 0.07      | 4.4      | 0.5      | 0.05        |
| 11DS0751A | 0.1       | 2.4      | 0.6      | 0.04        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS0752A | 0.11      | 3        | 0.6      | 0.02        |
| 11DS0753A | 0.15      | 0.4      | 0.9      | 0.02        |
| 11DS0754A | 0.1       | 2.6      | 0.6      | 0.04        |
| 11DS0755A | 0.08      | 4.3      | 0.4      | 0.0099      |
| 11DS0756A | 0.13      | 1.3      | 0.5      | 0.0099      |
| 11DS0757A | 0.13      | 1.4      | 0.6      | 0.04        |
| 11DS0758A | 0.1       | 1.4      | 0.3      | 0.0099      |
| 11DS0759A | 0.12      | 1.8      | 0.3      | 0.0099      |
| 11DS0760A | 0.11      | 2.4      | 0.4      | 0.03        |
| 11DS0762A | 0.07      | 4        | 0.2      | 0.04        |
| 11TB0757A | 0.1       | 1        | 0.6      | 0.03        |
| 11TB0758A | 0.05      | 3.8      | 0.3      | 0.04        |
| 11TB0759A | 0.06      | 2.8      | 0.5      | 0.03        |
| 11TB0760A | 0.04      | 4.2      | 0.3      | 0.03        |
| 11TB0762A | 0.09      | 3.2      | 0.3      | 0.02        |
| 11TB0763A | 0.09      | 2.8      | 0.7      | 0.0099      |
| 11TB0764A | 0.14      | 4.6      | 0.7      | 0.02        |
| 11TB0765A | 0.1       | 5.4      | 0.9      | 0.0099      |
| 11TB0766A | 0.08      | 3.9      | 0.4      | 0.0099      |
| 11TB0767A | 0.14      | 2.9      | 0.8      | 0.03        |
| 11TB0768A | 0.14      | 2.3      | 0.4      | 0.04        |
| 11TB0769A | 0.06      | 4        | 0.5      | 0.02        |
| 11TB0770A | 0.08      | 4.5      | 0.6      | 0.07        |
| 11TB0771A | 0.1       | 2.8      | 0.5      | 0.06        |
| 11TB0772A | 0.09      | 2.3      | 0.4      | 0.02        |
| 11TB0773A | 0.06      | 4.9      | 0.4      | 0.03        |
| 11TB0774A | 0.07      | 3.6      | 0.3      | 0.04        |
| 11TB0775A | 0.05      | 3.9      | 0.3      | 0.0099      |
| 11TB0776A | 0.11      | 4.1      | 0.5      | 0.03        |
| 11TB0777A | 0.12      | 2.9      | 0.5      | 0.0099      |
| 11TB0778A | 0.11      | 1.2      | 0.5      | 0.0099      |
| 11TB0779A | 0.05      | 5.3      | 0.1      | 0.02        |
| 11TB0790A | 0.02      | 4.2      | 0.049    | 0.03        |
| 11TB0791A | 0.08      | 2.8      | 0.3      | 0.06        |
| 11AN0052A | 0.12      | 2.3      | 0.3      | 0.03        |
| 11AN0053A | 0.02      | 5.2      | 0.2      | 0.05        |
| 11AN0054A | 0.05      | 3.7      | 0.3      | 0.0099      |
| 11AN0055A | 0.06      | 4.6      | 0.2      | 0.0099      |
| 11AN0056A | 0.03      | 5.8      | 0.049    | 0.0099      |
| 11AN0057A | 0.15      | 1.5      | 0.3      | 0.0099      |
| 11AN0058A | 0.0099    | 7.4      | 0.049    | 0.02        |
| 11AN0059A | 0.03      | 6.5      | 0.049    | 0.0099      |
| 11AN0060A | 0.0099    | 6.7      | 0.1      | 0.03        |
| 11AN0062A | 0.0099    | 7.3      | 0.1      | 0.02        |
| 11AN0063A | 0.0099    | 5.9      | 0.1      | 0.02        |
| 11AN0064A | 0.0099    | 6.3      | 0.049    | 0.04        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0065A | 0.0099    | 4.8      | 0.049    | 0.0099      |
| 11AN0066A | 0.03      | 7.3      | 0.1      | 0.05        |
| 11AN0067A | 0.0099    | 5.7      | 0.049    | 0.0099      |
| 11AN0068A | 0.0099    | 4.6      | 0.1      | 0.0099      |
| 11AN0069A | 0.0099    | 4.2      | 0.049    | 0.0099      |
| 11AN0070A | 0.09      | 3.6      | 0.3      | 0.0099      |
| 11AN0071A | 0.11      | 2        | 0.4      | 0.0099      |
| 11AN0072A | 0.14      | 2        | 0.2      | 0.0099      |
| 11AN0073A | 0.08      | 1.8      | 0.2      | 0.0099      |
| 11AN0074A | 0.12      | 2.9      | 0.3      | 0.0099      |
| 11AN0075A | 0.06      | 4.3      | 0.3      | 0.02        |
| 11CB0759A | 0.06      | 2.3      | 0.2      | 0.03        |
| 11CB0760A | 0.14      | 3.7      | 0.2      | 0.04        |
| 11CB0762A | 0.15      | 0.3      | 0.3      | 0.0099      |
| 11CB0763A | 0.14      | 1.5      | 0.049    | 0.0099      |
| 11CB0764A | 0.06      | 3.5      | 0.2      | 0.0099      |
| 11CB0765A | 0.06      | 5.2      | 0.2      | 0.02        |
| 11CB0766A | 0.1       | 1.4      | 0.3      | 0.0099      |
| 11CB0767A | 0.06      | 3.9      | 0.1      | 0.0099      |
| 11CB0768A | 0.06      | 5.7      | 0.2      | 0.0099      |
| 11CB0769A | 0.05      | 4.4      | 0.1      | 0.0099      |
| 11CB0770A | 0.04      | 4.9      | 0.2      | 0.02        |
| 11CB0771A | 0.1       | 2.4      | 0.2      | 0.0099      |
| 11CB0772A | 0.06      | 3.8      | 0.3      | 0.0099      |
| 11CB0773A | 0.06      | 3.1      | 0.2      | 0.02        |
| 11CB0774A | 0.05      | 3.2      | 0.3      | 0.03        |
| 11CB0775A | 0.05      | 2.9      | 0.2      | 0.03        |
| 11CB0776A | 0.11      | 1.5      | 0.4      | 0.0099      |
| 11CB0777A | 0.09      | 2.4      | 0.3      | 0.02        |
| 11CB0778A | 0.04      | 2.4      | 0.2      | 0.0099      |
| 11CB0779A | 0.05      | 2        | 0.3      | 0.04        |
| 11CB0780A | 0.09      | 1.3      | 0.4      | 0.0099      |
| 11CB0782A | 0.1       | 1.8      | 0.6      | 0.0099      |
| 11DS0763A | 0.08      | 5.2      | 0.3      | 0.0099      |
| 11DS0764A | 0.13      | 1.9      | 0.3      | 0.03        |
| 11DS0765A | 0.04      | 2.5      | 0.1      | 0.0099      |
| 11DS0766A | 0.05      | 1.3      | 0.3      | 0.04        |
| 11DS0767A | 0.07      | 1.2      | 0.2      | 0.0099      |
| 11DS0768A | 0.05      | 1.7      | 0.2      | 0.0099      |
| 11DS0769A | 0.14      | 2.7      | 0.4      | 0.0099      |
| 11DS0770A | 0.1       | 4        | 0.4      | 0.0099      |
| 11DS0771A | 0.13      | 1.7      | 0.4      | 0.0099      |
| 11DS0772A | 0.05      | 6        | 0.049    | 0.02        |
| 11DS0773A | 0.06      | 4.4      | 0.1      | 0.03        |
| 11DS0774A | 0.09      | 5.2      | 0.2      | 0.03        |
| 11DS0775A | 0.08      | 4.1      | 0.2      | 0.02        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS0776A | 0.12      | 2.7      | 0.2      | 0.0099      |
| 11DS0777A | 0.15      | 1.5      | 0.2      | 0.0099      |
| 11DS0778A | 0.11      | 2.3      | 0.2      | 0.0099      |
| 11DS0779A | 0.07      | 1.5      | 0.3      | 0.02        |
| 11DS0780A | 0.06      | 2.3      | 0.2      | 0.03        |
| 11DS0782A | 0.09      | 2.3      | 0.2      | 0.02        |
| 11DS0783A | 0.09      | 1.8      | 0.2      | 0.0099      |
| 11DS0784A | 0.05      | 1.7      | 0.2      | 0.0099      |
| 11DS0785A | 0.1       | 3.2      | 0.3      | 0.0099      |
| 11DS0786A | 0.07      | 2.1      | 0.2      | 0.0099      |
| 11TB0792A | 0.1       | 2.4      | 0.049    | 0.02        |
| 11TB0793A | 0.12      | 1.8      | 0.2      | 0.0099      |
| 11TB0794A | 0.04      | 4.9      | 0.2      | 0.03        |
| 11TB0796A | 0.03      | 5.1      | 0.1      | 0.04        |
| 11TB0797A | 0.04      | 4.7      | 0.2      | 0.02        |
| 11TB0798A | 0.05      | 4.9      | 0.2      | 0.04        |
| 11TB0799A | 0.08      | 2.9      | 0.3      | 0.03        |
| 11TB0800A | 0.09      | 5.8      | 0.3      | 0.0099      |
| 11TB0802A | 0.05      | 5.4      | 0.2      | 0.03        |
| 11TB0803A | 0.0099    | 6.2      | 0.1      | 0.0099      |
| 11TB0804A | 0.05      | 7.7      | 0.2      | 0.03        |
| 11TB0805A | 0.0099    | 6.7      | 0.1      | 0.0099      |
| 11TB0806A | 0.02      | 7        | 0.2      | 0.03        |
| 11TB0807A | 0.0099    | 7.1      | 0.1      | 0.04        |
| 11TB0808A | 0.02      | 7.5      | 0.049    | 0.03        |
| 11TB0809A | 0.02      | 5.8      | 0.049    | 0.03        |
| 11TB0810A | 0.09      | 3.3      | 0.3      | 0.05        |
| 11TB0811A | 0.06      | 2.4      | 0.3      | 0.02        |
| 11TB0812A | 0.08      | 1.6      | 0.4      | 0.04        |
| 11TB0813A | 0.05      | 4.8      | 0.1      | 0.0099      |
| 11TB0814A | 0.05      | 3.5      | 0.3      | 0.03        |
| 11TB0815A | 0.09      | 3.6      | 0.049    | 0.04        |
| 11TB0816A | 0.0099    | 4.5      | 0.4      | 0.0099      |
| 11TB0817A | 0.04      | 2.6      | 0.4      | 0.0099      |
| 11TB0818A | 0.05      | 3.6      | 0.5      | 0.04        |
| 11AN0076A | 0.17      | 2.9      | 0.6      | 0.04        |
| 11AN0077A | 0.07      | 4.5      | 0.3      | 0.02        |
| 11AN0078A | 0.07      | 5.2      | 0.3      | 0.02        |
| 11AN0079A | 0.09      | 4.3      | 0.3      | 0.02        |
| 11AN0080A | 0.08      | 3.9      | 0.3      | 0.0099      |
| 11AN0082A | 0.06      | 3.5      | 0.2      | 0.0099      |
| 11AN0083A | 0.03      | 4.9      | 0.049    | 0.02        |
| 11AN0084A | 0.03      | 4.1      | 0.2      | 0.0099      |
| 11AN0085A | 0.12      | 3.3      | 0.4      | 0.0099      |
| 11AN0086A | 0.13      | 2.2      | 0.3      | 0.0099      |
| 11AN0087A | 0.05      | 2.5      | 0.2      | 0.03        |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0088A | 0.03      | 3.9      | 0.2      | 0.02        |
| 11AN0089A | 0.12      | 1.8      | 0.5      | 0.02        |
| 11AN0090A | 0.0099    | 6        | 0.049    | 0.0099      |
| 11AN0091A | 0.04      | 2.9      | 0.2      | 0.0099      |
| 11AN0092A | 0.14      | 2        | 0.4      | 0.0099      |
| 11DS0787A | 0.05      | 1.7      | 0.2      | 0.02        |
| 11DS0788A | 0.03      | 4        | 0.1      | 0.0099      |
| 11DS0789A | 0.06      | 1.6      | 0.2      | 0.0099      |
| 11DS0790A | 0.04      | 3.1      | 0.1      | 0.02        |
| 11DS0791A | 0.04      | 2.2      | 0.2      | 0.0099      |
| 11DS0792A | 0.05      | 1.6      | 0.049    | 0.0099      |
| 11DS0793A | 0.08      | 2.2      | 0.3      | 0.02        |
| 11DS0794A | 0.05      | 2.9      | 0.2      | 0.0099      |
| 11DS0795A | 0.07      | 2.6      | 0.3      | 0.0099      |
| 11DS0796A | 0.12      | 2.2      | 0.2      | 0.0099      |
| 11DS0797A | 0.06      | 4.1      | 0.2      | 0.0099      |
| 11DS0798A | 0.1       | 2.5      | 0.2      | 0.0099      |
| 11DS0799A | 0.06      | 4        | 0.2      | 0.02        |
| 11DS0800A | 0.09      | 3        | 0.2      | 0.02        |
| 11TB0819A | -100      | -100     | -100     | -100        |
| 11TB0820A | 0.05      | 6        | 0.3      | 0.03        |
| 11TB0822A | 0.08      | 4.7      | 0.3      | 0.04        |
| 11TB0823A | 0.13      | 1        | 0.3      | 0.02        |
| 11TB0824A | 0.07      | 5.4      | 0.3      | 0.02        |
| 11TB0825A | 0.12      | 3.3      | 0.3      | 0.0099      |
| 11TB0826A | 0.07      | 4.6      | 0.3      | 0.0099      |
| 11TB0827A | 0.13      | 1.7      | 0.5      | 0.0099      |
| 11TB0828A | 0.09      | 1.5      | 0.3      | 0.0099      |
| 11TB0829A | -100      | -100     | -100     | -100        |
| 11TB0830A | 0.03      | 6.9      | 0.2      | 0.03        |
| 11TB0831A | 0.02      | 5.9      | 0.3      | 0.06        |
| 11TB0832A | 0.02      | 8.3      | 0.2      | 0.03        |
| 11TB0833A | 0.07      | 1.8      | 0.4      | 0.0099      |
| 11TB0834A | 0.03      | 6.6      | 0.2      | 0.03        |
| 11TB0835A | 0.18      | 0.9      | 0.6      | 0.0099      |
| 11TB0836A | 0.04      | 5.4      | 0.2      | 0.0099      |
| 11TB0837A | 0.05      | 2.1      | 0.2      | 0.02        |
| 11AN0093A | 0.04      | 3.1      | 0.2      | 0.03        |
| 11AN0094A | 0.06      | 2.5      | 0.2      | 0.04        |
| 11AN0095A | 0.1       | 2.2      | 0.4      | 0.0099      |
| 11AN0096A | 0.14      | 3        | 0.5      | 0.0099      |
| 11AN0097A | 0.1       | 3.5      | 0.5      | 0.0099      |
| 11AN0098A | 0.09      | 3.4      | 0.5      | 0.04        |
| 11AN0099A | 0.07      | 3.9      | 0.4      | 0.03        |
| 11AN0100A | 0.12      | 2.2      | 0.2      | 0.02        |
| 11AN0102A | 0.04      | 4.7      | 0.2      | 0.03        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0103A | 0.07      | 3.5      | 0.3      | 0.02        |
| 11AN0104A | 0.06      | 4.3      | 0.4      | 0.05        |
| 11AN0105A | 0.04      | 3.7      | 0.2      | 0.04        |
| 11AN0106A | 0.06      | 2.1      | 0.2      | 0.04        |
| 11AN0107A | 0.05      | 3.3      | 0.3      | 0.03        |
| 11AN0108A | 0.0099    | 4.9      | 0.049    | 0.0099      |
| 11AN0109A | 0.04      | 2.1      | 0.049    | 0.03        |
| 11AN0110A | 0.0099    | 4.7      | 0.049    | 0.06        |
| 11AN0111A | 0.03      | 4.5      | 0.049    | 0.0099      |
| 11AN0112A | 0.07      | 2.3      | 0.049    | 0.04        |
| 11AN0113A | 0.05      | 2.2      | 0.049    | 0.0099      |
| 11AN0114A | 0.04      | 4.7      | 0.049    | 0.04        |
| 11AN0115A | 0.03      | 5.6      | 0.2      | 0.02        |
| 11AN0116A | 0.08      | 3.1      | 0.049    | 0.0099      |
| 11AN0117A | 0.12      | 1.3      | 0.049    | 0.0099      |
| 11AN0118A | 0.08      | 4.8      | 0.2      | 0.03        |
| 11CB0783A | 0.0099    | 4.4      | 0.3      | 0.05        |
| 11CB0784A | 0.04      | 3.1      | 0.3      | 0.0099      |
| 11CB0785A | 0.13      | 1.2      | 0.5      | 0.0099      |
| 11CB0786A | 0.05      | 1.8      | 0.3      | 0.03        |
| 11CB0787A | 0.14      | 3        | 0.9      | 0.04        |
| 11CB0788A | 0.15      | 0.8      | 0.7      | 0.0099      |
| 11CB0789A | 0.12      | 1.7      | 0.4      | 0.02        |
| 11CB0790A | -100      | -100     | -100     | -100        |
| 11CB0791A | -100      | -100     | -100     | -100        |
| 11CB0792A | 0.17      | 0.7      | 0.5      | 0.0099      |
| 11CB0793A | 0.11      | 1.5      | 0.5      | 0.03        |
| 11CB0794A | 0.11      | 2.5      | 0.7      | 0.03        |
| 11CB0795A | -100      | -100     | -100     | -100        |
| 11CB0796A | 0.11      | 1.4      | 0.5      | 0.0099      |
| 11CB0797A | 0.1       | 1.3      | 0.8      | 0.0099      |
| 11CB0798A | 0.11      | 1.9      | 0.9      | 0.03        |
| 11CB0799A | 0.05      | 4.2      | 0.7      | 0.04        |
| 11CB0800A | 0.09      | 1.9      | 0.7      | 0.0099      |
| 11CB0802A | 0.04      | 1.5      | 0.4      | 0.0099      |
| 11CB0803A | 0.03      | 2.4      | 0.2      | 0.0099      |
| 11CB0804A | 0.03      | 2        | 0.2      | 0.02        |
| 11CB0805A | 0.05      | 1.5      | 0.5      | 0.0099      |
| 11CB0806A | 0.04      | 3.7      | 0.5      | 0.02        |
| 11CB0807A | 0.12      | 1.2      | 0.5      | 0.0099      |
| 11CB0808A | 0.05      | 3.9      | 0.3      | 0.06        |
| 11CB0809A | 0.1       | 2        | 0.3      | 0.03        |
| 11DS0802A | 0.05      | 2.1      | 0.2      | 0.0099      |
| 11DS0803A | 0.08      | 3.1      | 0.3      | 0.03        |
| 11DS0804A | 0.04      | 2.7      | 0.2      | 0.03        |
| 11DS0805A | 0.13      | 4.4      | 0.7      | 0.05        |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS0806A | 0.16      | 2.4      | 0.5      | 0.04        |
| 11DS0807A | 0.17      | 1.1      | 0.5      | 0.0099      |
| 11DS0808A | 0.16      | 1        | 0.5      | 0.0099      |
| 11DS0809A | 0.11      | 1.8      | 0.4      | 0.05        |
| 11DS0810A | -100      | -100     | -100     | -100        |
| 11DS0811A | -100      | -100     | -100     | -100        |
| 11DS0812A | 0.1       | 1.8      | 0.3      | 0.0099      |
| 11DS0813A | 0.12      | 2.3      | 0.5      | 0.03        |
| 11DS0814A | 0.11      | 1.3      | 0.4      | 0.03        |
| 11DS0815A | -100      | -100     | -100     | -100        |
| 11DS0815A | -100      | -100     | -100     | -100        |
| 11DS0816A | -100      | -100     | -100     | -100        |
| 11DS0816A | -100      | -100     | -100     | -100        |
| 11DS0817A | 0.08      | 1.4      | 0.2      | 0.0099      |
| 11DS0817A | 0.08      | 1.4      | 0.2      | 0.0099      |
| 11DS0818A | 0.08      | 1.9      | 0.4      | 0.03        |
| 11DS0818A | 0.08      | 1.9      | 0.4      | 0.03        |
| 11DS0819A | -100      | -100     | -100     | -100        |
| 11DS0819A | -100      | -100     | -100     | -100        |
| 11DS0820A | 0.06      | 2.4      | 0.3      | 0.0099      |
| 11DS0820A | 0.06      | 2.4      | 0.3      | 0.0099      |
| 11DS0822A | 0.06      | 2.2      | 0.1      | 0.04        |
| 11DS0822A | 0.06      | 2.2      | 0.1      | 0.04        |
| 11DS0823A | 0.04      | 2.9      | 0.2      | 0.05        |
| 11DS0823A | 0.04      | 2.9      | 0.2      | 0.05        |
| 11DS0824A | 0.08      | 1.2      | 0.3      | 0.0099      |
| 11DS0824A | 0.08      | 1.2      | 0.3      | 0.0099      |
| 11DS0825A | 0.09      | 1.3      | 0.3      | 0.0099      |
| 11DS0825A | 0.09      | 1.3      | 0.3      | 0.0099      |
| 11DS0826A | -100      | -100     | -100     | -100        |
| 11DS0826A | -100      | -100     | -100     | -100        |
| 11DS0827A | -100      | -100     | -100     | -100        |
| 11DS0827A | -100      | -100     | -100     | -100        |
| 11TB0838A | 0.03      | 2.7      | 0.2      | 0.0099      |
| 11TB0839A | 0.06      | 3.9      | 0.2      | 0.03        |
| 11TB0840A | -100      | -100     | -100     | -100        |
| 11TB0842A | 0.08      | 3.3      | 0.4      | 0.02        |
| 11TB0843A | 0.11      | 3.4      | 0.5      | 0.02        |
| 11TB0844A | 0.05      | 5.1      | 0.3      | 0.03        |
| 11TB0845A | 0.08      | 1.3      | 0.4      | 0.0099      |
| 11TB0845A | 0.08      | 1.3      | 0.4      | 0.0099      |
| 11TB0846A | 0.05      | 2.3      | 0.3      | 0.03        |
| 11TB0846A | 0.05      | 2.3      | 0.3      | 0.03        |
| 11TB0890A | 0.06      | 2.1      | 0.049    | 0.0099      |
| 11TB0890A | 0.06      | 2.1      | 0.049    | 0.0099      |
| 11TB0891A | 0.06      | 3.7      | 0.2      | 0.04        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB0891A | 0.06      | 3.7      | 0.2      | 0.04        |
| 11TB0892A | 0.07      | 3.1      | 0.1      | 0.0099      |
| 11TB0892A | 0.07      | 3.1      | 0.1      | 0.0099      |
| 11TB0893A | 0.08      | 4        | 0.4      | 0.02        |
| 11TB0893A | 0.08      | 4        | 0.4      | 0.02        |
| 11TB0894A | 0.09      | 2        | 0.2      | 0.04        |
| 11TB0894A | 0.09      | 2        | 0.2      | 0.04        |
| 11TB0895A | 0.12      | 1        | 0.3      | 0.02        |
| 11TB0895A | 0.12      | 1        | 0.3      | 0.02        |
| 11TB0896A | 0.06      | 3.2      | 0.1      | 0.08        |
| 11TB0896A | 0.06      | 3.2      | 0.1      | 0.08        |
| 11TB0897A | 0.06      | 4.1      | 0.3      | 0.09        |
| 11TB0897A | 0.06      | 4.1      | 0.3      | 0.09        |
| 11TB0898A | 0.07      | 5.8      | 0.3      | 0.05        |
| 11TB0898A | 0.07      | 5.8      | 0.3      | 0.05        |
| 11TB0899A | 0.05      | 2.2      | 0.2      | 0.03        |
| 11TB0899A | 0.05      | 2.2      | 0.2      | 0.03        |
| 11TB0900A | 0.06      | 2        | 0.4      | 0.04        |
| 11TB0900A | 0.06      | 2        | 0.4      | 0.04        |
| 11TB0902A | 0.04      | 2.4      | 0.049    | 0.03        |
| 11TB0902A | 0.04      | 2.4      | 0.049    | 0.03        |
| 11TB0903A | 0.03      | 2.6      | 0.1      | 0.03        |
| 11TB0903A | 0.03      | 2.6      | 0.1      | 0.03        |
| 11TB0903A | 0.03      | 2.6      | 0.1      | 0.03        |
| 11TB0903A | 0.03      | 2.6      | 0.1      | 0.03        |
| 11TB0903A | 0.03      | 2.6      | 0.1      | 0.03        |
| 11AN0119A | 0.11      | 2.2      | 0.049    | 0.0099      |
| 11AN0120A | 0.05      | 4.6      | 0.049    | 0.0099      |
| 11AN0122A | 0.0099    | 6.5      | 0.1      | 0.0099      |
| 11AN0123A | 0.03      | 6.9      | 0.049    | 0.04        |
| 11AN0124A | 0.04      | 4        | 0.2      | 0.0099      |
| 11AN0125A | 0.03      | 5        | 0.049    | 0.06        |
| 11AN0126A | 0.11      | 3.1      | 0.2      | 0.0099      |
| 11AN0127A | 0.07      | 2.7      | 0.2      | 0.0099      |
| 11AN0128A | 0.03      | 5        | 0.049    | 0.0099      |
| 11AN0129A | 0.05      | 5.1      | 0.049    | 0.0099      |
| 11AN0130A | 0.0099    | 9.7      | 0.049    | 0.06        |
| 11AN0131A | 0.03      | 4.8      | 0.049    | 0.0099      |
| 11AN0132A | 0.05      | 4.3      | 0.049    | 0.06        |
| 11AN0133A | 0.07      | 3.7      | 0.1      | 0.0099      |
| 11AN0134A | 0.05      | 4.9      | 0.3      | 0.03        |
| 11AN0135A | 0.03      | 3.3      | 0.2      | 0.0099      |
| 11AN0136A | 0.03      | 5.8      | 0.2      | 0.04        |
| 11AN0137A | 0.0099    | 5.1      | 0.049    | 0.04        |
| 11AN0138A | 0.0099    | 5        | 0.049    | 0.02        |
| 11AN0139A | 0.03      | 4        | 0.049    | 0.02        |
| 11AN0140A | 0.0099    | 4.2      | 0.2      | 0.02        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0142A | 0.0099    | 5.6      | 0.1      | 0.04        |
| 11AN0143A | 0.04      | 5.2      | 0.1      | 0.0099      |
| 11CB0810A | 0.08      | 1.2      | 0.4      | 0.0099      |
| 11CB0811A | 0.09      | 1.6      | 0.5      | 0.03        |
| 11CB0812A | 0.09      | 1.4      | 0.3      | 0.02        |
| 11CB0813A | 0.07      | 4.7      | 0.4      | 0.03        |
| 11CB0814A | 0.11      | 1.8      | 0.1      | 0.0099      |
| 11CB0815A | 0.1       | 2.1      | 0.2      | 0.0099      |
| 11CB0816A | 0.16      | 0.8      | 0.5      | 0.0099      |
| 11CB0817A | 0.04      | 3.5      | 0.2      | 0.02        |
| 11CB0818A | 0.07      | 2.6      | 0.6      | 0.0099      |
| 11CB0819A | 0.03      | 4.4      | 0.2      | 0.0099      |
| 11CB0820A | 0.07      | 3.1      | 0.2      | 0.0099      |
| 11CB0822A | 0.04      | 2.2      | 0.7      | 0.05        |
| 11CB0823A | 0.05      | 3.7      | 0.4      | 0.06        |
| 11CB0824A | 0.04      | 4.8      | 0.2      | 0.03        |
| 11CB0825A | 0.04      | 2.5      | 0.4      | 0.03        |
| 11CB0826A | 0.1       | 2.9      | 0.6      | 0.0099      |
| 11CB0827A | 0.1       | 2.2      | 0.4      | 0.07        |
| 11CB0828A | 0.16      | 2.7      | 0.4      | 0.0099      |
| 11CB0829A | 0.15      | 4        | 0.8      | 0.05        |
| 11CB0830A | 0.15      | 4.2      | 0.6      | 0.04        |
| 11CB0831A | 0.05      | 5.3      | 0.3      | 0.0099      |
| 11CB0832A | 0.1       | 3.5      | 0.5      | 0.03        |
| 11DS0828A | 0.08      | 1.9      | 0.2      | 0.02        |
| 11DS0828A | 0.08      | 1.9      | 0.2      | 0.02        |
| 11DS0829A | 0.09      | 1.7      | 0.5      | 0.02        |
| 11DS0829A | 0.09      | 1.7      | 0.5      | 0.02        |
| 11DS0830A | -100      | -100     | -100     | -100        |
| 11DS0830A | -100      | -100     | -100     | -100        |
| 11DS0831A | 0.15      | 1.3      | 0.5      | 0.0099      |
| 11DS0831A | 0.15      | 1.3      | 0.5      | 0.0099      |
| 11DS0832A | 0.08      | 2.9      | 0.2      | 0.0099      |
| 11DS0832A | 0.08      | 2.9      | 0.2      | 0.0099      |
| 11DS0833A | 0.06      | 2.6      | 0.3      | 0.0099      |
| 11DS0833A | 0.06      | 2.6      | 0.3      | 0.0099      |
| 11DS0834A | 0.17      | 1.3      | 0.5      | 0.0099      |
| 11DS0834A | 0.17      | 1.3      | 0.5      | 0.0099      |
| 11DS0835A | 0.06      | 1.8      | 0.3      | 0.0099      |
| 11DS0835A | 0.06      | 1.8      | 0.3      | 0.0099      |
| 11DS0836A | 0.05      | 3.6      | 0.1      | 0.0099      |
| 11DS0836A | 0.05      | 3.6      | 0.1      | 0.0099      |
| 11DS0837A | 0.14      | 2.4      | 0.4      | 0.03        |
| 11DS0837A | 0.14      | 2.4      | 0.4      | 0.03        |
| 11DS0838A | 0.07      | 4.4      | 0.1      | 0.0099      |
| 11DS0838A | 0.07      | 4.4      | 0.1      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS0839A | 0.08      | 3.1      | 0.2      | 0.02        |
| 11DS0839A | 0.08      | 3.1      | 0.2      | 0.02        |
| 11DS0840A | 0.08      | 4.7      | 0.1      | 0.0099      |
| 11DS0840A | 0.08      | 4.7      | 0.1      | 0.0099      |
| 11DS0842A | 0.08      | 2.1      | 0.3      | 0.0099      |
| 11DS0842A | 0.08      | 2.1      | 0.3      | 0.0099      |
| 11DS0843A | 0.05      | 3        | 0.2      | 0.0099      |
| 11DS0843A | 0.05      | 3        | 0.2      | 0.0099      |
| 11DS0844A | 0.08      | 1.9      | 0.2      | 0.03        |
| 11DS0844A | 0.08      | 1.9      | 0.2      | 0.03        |
| 11DS0845A | 0.07      | 3.1      | 0.2      | 0.0099      |
| 11DS0845A | 0.07      | 3.1      | 0.2      | 0.0099      |
| 11DS0846A | 0.07      | 3.9      | 0.3      | 0.02        |
| 11DS0846A | -100      | -100     | -100     | -100        |
| 11DS0846A | 0.07      | 3.9      | 0.3      | 0.02        |
| 11DS0846A | -100      | -100     | -100     | -100        |
| 11DS0847A | 0.08      | 3.1      | 0.2      | 0.02        |
| 11DS0847A | 0.08      | 3.1      | 0.2      | 0.02        |
| 11DS0848A | 0.05      | 2.6      | 0.2      | 0.0099      |
| 11DS0848A | 0.05      | 2.6      | 0.2      | 0.0099      |
| 11DS0849A | 0.05      | 3.5      | 0.2      | 0.0099      |
| 11DS0849A | 0.05      | 3.5      | 0.2      | 0.0099      |
| 11DS0850A | 0.1       | 2.4      | 0.2      | 0.0099      |
| 11DS0850A | 0.1       | 2.4      | 0.2      | 0.0099      |
| 11DS0851A | 0.08      | 3.6      | 0.2      | 0.0099      |
| 11DS0851A | 0.08      | 3.6      | 0.2      | 0.0099      |
| 11TB0850A | 0.07      | 2.3      | 0.3      | 0.04        |
| 11TB0850A | 0.07      | 2.3      | 0.3      | 0.04        |
| 11TB0851A | 0.07      | 2.8      | 0.7      | 0.05        |
| 11TB0851A | 0.07      | 2.8      | 0.7      | 0.05        |
| 11TB0852A | 0.07      | 3.8      | 0.6      | 0.07        |
| 11TB0852A | 0.07      | 3.8      | 0.6      | 0.07        |
| 11TB0853A | 0.08      | 3.1      | 0.5      | 0.0099      |
| 11TB0853A | 0.08      | 3.1      | 0.5      | 0.0099      |
| 11TB0854A | 0.07      | 2.5      | 0.2      | 0.0099      |
| 11TB0854A | 0.07      | 2.5      | 0.2      | 0.0099      |
| 11TB0855A | 0.08      | 2.3      | 0.4      | 0.02        |
| 11TB0855A | 0.08      | 2.3      | 0.4      | 0.02        |
| 11TB0856A | 0.1       | 4.3      | 0.5      | 0.0099      |
| 11TB0856A | 0.1       | 4.3      | 0.5      | 0.0099      |
| 11TB0857A | 0.17      | 1.8      | 0.6      | 0.0099      |
| 11TB0857A | 0.17      | 1.8      | 0.6      | 0.0099      |
| 11TB0858A | 0.17      | 1.5      | 1        | 0.0099      |
| 11TB0858A | 0.17      | 1.5      | 1        | 0.0099      |
| 11TB0859A | 0.13      | 3.1      | 0.5      | 0.0099      |
| 11TB0859A | 0.13      | 3.1      | 0.5      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB0860A | 0.02      | 4.9      | 0.1      | 0.05        |
| 11TB0860A | 0.02      | 4.9      | 0.1      | 0.05        |
| 11TB0862A | 0.02      | 7.5      | 0.049    | 0.02        |
| 11TB0862A | 0.02      | 7.5      | 0.049    | 0.02        |
| 11TB0863A | 0.14      | 1.3      | 0.3      | 0.03        |
| 11TB0863A | 0.14      | 1.3      | 0.3      | 0.03        |
| 11TB0864A | 0.05      | 5.1      | 0.3      | 0.02        |
| 11TB0864A | 0.05      | 5.1      | 0.3      | 0.02        |
| 11TB0865A | 0.09      | 3.8      | 0.4      | 0.03        |
| 11TB0865A | 0.09      | 3.8      | 0.4      | 0.03        |
| 11TB0866A | 0.1       | 5        | 0.4      | 0.0099      |
| 11TB0866A | 0.1       | 5        | 0.4      | 0.0099      |
| 11TB0867A | 0.0099    | 5.5      | 0.049    | 0.0099      |
| 11TB0867A | 0.0099    | 5.5      | 0.049    | 0.0099      |
| 11TB0868A | 0.05      | 4.8      | 0.2      | 0.05        |
| 11TB0868A | 0.05      | 4.8      | 0.2      | 0.05        |
| 11TB0869A | 0.04      | 4.6      | 0.2      | 0.07        |
| 11TB0869A | 0.04      | 4.6      | 0.2      | 0.07        |
| 11TB0870A | 0.05      | 4.9      | 0.049    | 0.04        |
| 11TB0870A | 0.05      | 4.9      | 0.049    | 0.04        |
| 11TB0871A | 0.08      | 2.8      | 0.3      | 0.03        |
| 11TB0871A | 0.08      | 2.8      | 0.3      | 0.03        |
| 11TB0872A | 0.06      | 4.8      | 0.2      | 0.03        |
| 11TB0872A | 0.06      | 4.8      | 0.2      | 0.03        |
| 11AN0144A | 0.04      | 5.9      | 0.1      | 0.0099      |
| 11AN0145A | 0.02      | 4.5      | 0.1      | 0.0099      |
| 11AN0146A | 0.03      | 4.3      | 0.1      | 0.0099      |
| 11AN0147A | 0.0099    | 5.6      | 0.2      | 0.0099      |
| 11AN0148A | 0.0099    | 3.6      | 0.1      | 0.0099      |
| 11AN0149A | 0.0099    | 4.8      | 0.1      | 0.0099      |
| 11AN0150A | 0.0099    | 4.5      | 0.049    | 0.0099      |
| 11AN0151A | 0.03      | 8.1      | 0.2      | 0.12        |
| 11AN0152A | 0.04      | 6.1      | 0.1      | 0.0099      |
| 11AN0153A | 0.1       | 4.7      | 0.1      | 0.0099      |
| 11AN0154A | 0.03      | 5.5      | 0.1      | 0.0099      |
| 11AN0155A | 0.3       | 2.8      | 1.9      | 0.0099      |
| 11AN0156A | 0.15      | 1.7      | 0.3      | 0.0099      |
| 11AN0157A | 0.08      | 3.4      | 0.3      | 0.0099      |
| 11AN0158A | 0.1       | 4.7      | 0.4      | 0.0099      |
| 11AN0159A | 0.11      | 4.2      | 0.3      | 0.0099      |
| 11AN0160A | 0.07      | 6        | 0.2      | 0.0099      |
| 11AN0162A | 0.03      | 6.4      | 0.2      | 0.0099      |
| 11AN0163A | 0.07      | 2.1      | 0.3      | 0.0099      |
| 11AN0164A | 0.05      | 4.6      | 0.2      | 0.02        |
| 11AN0165A | 0.06      | 2.5      | 0.1      | 0.0099      |
| 11AN0166A | 0.0099    | 5.2      | 0.049    | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0167A | 0.03      | 4.4      | 0.2      | 0.0099      |
| 11CB0833A | 0.02      | 5.6      | 0.1      | 0.06        |
| 11CB0834A | 0.13      | 2.9      | 0.2      | 0.04        |
| 11CB0835A | 0.1       | 2.6      | 0.3      | 0.0099      |
| 11CB0836A | 0.09      | 3.5      | 0.3      | 0.0099      |
| 11CB0837A | 0.09      | 3        | 0.4      | 0.0099      |
| 11CB0838A | 0.08      | 1.5      | 0.5      | 0.08        |
| 11CB0839A | 0.11      | 2.8      | 0.4      | 0.04        |
| 11CB0840A | 0.0099    | 7.1      | 0.3      | 0.0099      |
| 11CB0842A | 0.12      | 1.7      | 0.4      | 0.04        |
| 11CB0843A | 0.03      | 2.3      | 0.2      | 0.03        |
| 11CB0844A | 0.03      | 2.3      | 0.2      | 0.0099      |
| 11CB0845A | 0.05      | 1.6      | 0.2      | 0.0099      |
| 11CB0846A | 0.05      | 1.6      | 0.2      | 0.0099      |
| 11CB0847A | 0.04      | 2.9      | 0.049    | 0.04        |
| 11CB0848A | 0.06      | 2.5      | 0.049    | 0.02        |
| 11CB0849A | 0.1       | 3.6      | 0.049    | 0.0099      |
| 11CB0850A | 0.09      | 3.6      | 0.049    | 0.04        |
| 11CB0851A | 0.08      | 1.5      | 0.2      | 0.0099      |
| 11CB0852A | 0.05      | 3.7      | 0.2      | 0.0099      |
| 11CB0853A | 0.09      | 1.3      | 0.049    | 0.0099      |
| 11CB0854A | 0.09      | 1.6      | 0.2      | 0.0099      |
| 11CB0855A | 0.13      | 0.9      | 0.3      | 0.03        |
| 11CB0856A | 0.09      | 3.5      | 0.4      | 0.02        |
| 11CB0857A | 0.11      | 2.1      | 0.2      | 0.0099      |
| 11CB0858A | 0.07      | 1.5      | 0.1      | 0.0099      |
| 11DS0852A | 0.04      | 1.6      | 0.049    | 0.0099      |
| 11DS0852A | 0.04      | 1.6      | 0.049    | 0.0099      |
| 11DS0853A | 0.06      | 1.9      | 0.1      | 0.05        |
| 11DS0853A | 0.06      | 1.9      | 0.1      | 0.05        |
| 11DS0854A | 0.1       | 2.4      | 0.2      | 0.04        |
| 11DS0854A | 0.1       | 2.4      | 0.2      | 0.04        |
| 11DS0855A | 0.07      | 2.9      | 0.3      | 0.05        |
| 11DS0855A | 0.07      | 2.9      | 0.3      | 0.05        |
| 11DS0856A | 0.1       | 1.9      | 0.2      | 0.0099      |
| 11DS0856A | 0.1       | 1.9      | 0.2      | 0.0099      |
| 11DS0857A | 0.06      | 3.9      | 0.1      | 0.03        |
| 11DS0857A | 0.06      | 3.9      | 0.1      | 0.03        |
| 11DS0858A | 0.08      | 2.7      | 0.1      | 0.03        |
| 11DS0858A | 0.08      | 2.7      | 0.1      | 0.03        |
| 11DS0859A | 0.09      | 3.2      | 0.1      | 0.0099      |
| 11DS0859A | 0.09      | 3.2      | 0.1      | 0.0099      |
| 11DS0860A | 0.12      | 1.7      | 0.2      | 0.0099      |
| 11DS0860A | 0.12      | 1.7      | 0.2      | 0.0099      |
| 11DS0862A | 0.15      | 1        | 0.049    | 0.0099      |
| 11DS0862A | 0.15      | 1        | 0.049    | 0.0099      |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS0863A | 0.06      | 1.6      | 0.1      | 0.0099      |
| 11DS0863A | 0.06      | 1.6      | 0.1      | 0.0099      |
| 11DS0864A | 0.07      | 1.8      | 0.049    | 0.0099      |
| 11DS0864A | 0.07      | 1.8      | 0.049    | 0.0099      |
| 11DS0865A | 0.05      | 3        | 0.049    | 0.0099      |
| 11DS0865A | 0.05      | 3        | 0.049    | 0.0099      |
| 11DS0866A | 0.06      | 2.6      | 0.2      | 0.0099      |
| 11DS0866A | 0.06      | 2.6      | 0.2      | 0.0099      |
| 11DS0867A | 0.1       | 5.2      | 0.049    | 0.0099      |
| 11DS0867A | 0.1       | 5.2      | 0.049    | 0.0099      |
| 11DS0868A | 0.13      | 3.6      | 0.4      | 0.0099      |
| 11DS0868A | 0.13      | 3.6      | 0.4      | 0.0099      |
| 11DS0869A | 0.09      | 2        | 0.4      | 0.0099      |
| 11DS0869A | 0.09      | 2        | 0.4      | 0.0099      |
| 11DS0870A | 0.09      | 1.3      | 0.2      | 0.04        |
| 11DS0870A | 0.09      | 1.3      | 0.2      | 0.04        |
| 11DS0871A | 0.1       | 2.2      | 0.2      | 0.0099      |
| 11DS0871A | 0.1       | 2.2      | 0.2      | 0.0099      |
| 11DS0872A | 0.05      | 1.9      | 0.049    | 0.03        |
| 11DS0872A | 0.05      | 1.9      | 0.049    | 0.03        |
| 11DS0873A | 0.06      | 1.9      | 0.1      | 0.0099      |
| 11DS0873A | 0.06      | 1.9      | 0.1      | 0.0099      |
| 11DS0874A | 0.08      | 1.4      | 0.4      | 0.03        |
| 11DS0874A | 0.08      | 1.4      | 0.4      | 0.03        |
| 11DS0875A | 0.05      | 1.5      | 0.2      | 0.0099      |
| 11DS0875A | 0.05      | 1.5      | 0.2      | 0.0099      |
| 11DS0876A | 0.05      | 1.4      | 0.2      | 0.0099      |
| 11DS0876A | 0.05      | 1.4      | 0.2      | 0.0099      |
| 11DS0877A | 0.04      | 6.2      | 0.049    | 0.0099      |
| 11DS0877A | 0.04      | 6.2      | 0.049    | 0.0099      |
| 11TB0874A | 0.13      | 3.6      | 0.7      | 0.05        |
| 11TB0874A | 0.13      | 3.6      | 0.7      | 0.05        |
| 11TB0875A | 0.06      | 3.5      | 0.049    | 0.04        |
| 11TB0875A | 0.06      | 3.5      | 0.049    | 0.04        |
| 11TB0876A | 0.06      | 1.9      | 0.3      | 0.02        |
| 11TB0876A | 0.06      | 1.9      | 0.3      | 0.02        |
| 11TB0877A | 0.09      | 1.5      | 0.2      | 0.03        |
| 11TB0877A | 0.09      | 1.5      | 0.2      | 0.03        |
| 11TB0878A | 0.07      | 1.3      | 0.2      | 0.04        |
| 11TB0878A | 0.07      | 1.3      | 0.2      | 0.04        |
| 11TB0880A | 0.08      | 3.2      | 0.2      | 0.07        |
| 11TB0880A | 0.08      | 3.2      | 0.2      | 0.07        |
| 11TB0882A | 0.09      | 2.5      | 0.049    | 0.03        |
| 11TB0882A | 0.09      | 2.5      | 0.049    | 0.03        |
| 11TB0883A | 0.1       | 3.4      | 0.4      | 0.07        |
| 11TB0883A | 0.1       | 3.4      | 0.4      | 0.07        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB0884A | 0.08      | 2.7      | 0.2      | 0.04        |
| 11TB0884A | 0.08      | 2.7      | 0.2      | 0.04        |
| 11TB0885A | 0.02      | 2.8      | 0.049    | 0.04        |
| 11TB0885A | 0.02      | 2.8      | 0.049    | 0.04        |
| 11TB0886A | 0.02      | 4.4      | 0.049    | 0.05        |
| 11TB0886A | 0.02      | 4.4      | 0.049    | 0.05        |
| 11TB0887A | 0.03      | 2.6      | 0.049    | 0.0099      |
| 11TB0887A | 0.03      | 2.6      | 0.049    | 0.0099      |
| 11TB0888A | 0.11      | 3.2      | 0.049    | 0.06        |
| 11TB0888A | 0.11      | 3.2      | 0.049    | 0.06        |
| 11TB0889A | 0.03      | 3.8      | 0.049    | 0.04        |
| 11TB0889A | 0.03      | 3.8      | 0.049    | 0.04        |
| 11TB0904A | 0.03      | 4.8      | 0.049    | 0.04        |
| 11TB0904A | 0.03      | 4.8      | 0.049    | 0.04        |
| 11TB0905A | 0.1       | 3.2      | 0.2      | 0.07        |
| 11TB0905A | 0.1       | 3.2      | 0.2      | 0.07        |
| 11TB0906A | 0.09      | 2.6      | 0.049    | 0.0099      |
| 11TB0906A | 0.09      | 2.6      | 0.049    | 0.0099      |
| 11TB0907A | 0.07      | 2.8      | 0.049    | 0.05        |
| 11TB0907A | 0.07      | 2.8      | 0.049    | 0.05        |
| 11TB0908A | 0.09      | 2.9      | 0.1      | 0.05        |
| 11TB0908A | 0.09      | 2.9      | 0.1      | 0.05        |
| 11TB0909A | -100      | -100     | -100     | -100        |
| 11TB0909A | -100      | -100     | -100     | -100        |
| 11TB0910A | 0.02      | 4.8      | 0.049    | 0.05        |
| 11TB0910A | 0.02      | 4.8      | 0.049    | 0.05        |
| 11TB0911A | 0.02      | 4.6      | 0.1      | 0.07        |
| 11TB0911A | 0.02      | 4.6      | 0.1      | 0.07        |
| 11TB0912A | 0.05      | 3.1      | 0.7      | 0.0099      |
| 11TB0912A | 0.05      | 3.1      | 0.7      | 0.0099      |
| 11AN0168A | 0.05      | 2.2      | 0.2      | 0.02        |
| 11AN0169A | 0.19      | 1.7      | 0.7      | 0.08        |
| 11AN0170A | 0.03      | 3.6      | 0.2      | 0.0099      |
| 11AN0171A | 0.03      | 4.1      | 0.1      | 0.03        |
| 11AN0172A | 0.02      | 6        | 0.1      | 0.05        |
| 11AN0173A | 0.06      | 2.9      | 0.2      | 0.0099      |
| 11AN0174A | 0.03      | 2.1      | 0.049    | 0.0099      |
| 11AN0175A | 0.03      | 2.9      | 0.049    | 0.02        |
| 11AN0176A | 0.1       | 3.8      | 0.2      | 0.04        |
| 11AN0177A | 0.04      | 4        | 0.049    | 0.0099      |
| 11AN0178A | 0.09      | 1.1      | 0.1      | 0.0099      |
| 11AN0179A | 0.04      | 4.2      | 0.049    | 0.0099      |
| 11AN0180A | 0.03      | 3.7      | 0.3      | 0.03        |
| 11AN0182A | 0.0099    | 5.5      | 0.3      | 0.05        |
| 11AN0183A | 0.09      | 4.6      | 0.3      | 0.08        |
| 11AN0184A | 0.03      | 4.6      | 0.3      | 0.04        |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0185A | 0.07      | 3.4      | 0.3      | 0.03        |
| 11AN0186A | 0.07      | 3.7      | 0.3      | 0.02        |
| 11AN0187A | 0.09      | 2.7      | 0.4      | 0.0099      |
| 11CB0859A | 0.04      | 2        | 0.2      | 0.0099      |
| 11CB0860A | -100      | -100     | -100     | -100        |
| 11CB0862A | 0.11      | 1.6      | 0.3      | 0.03        |
| 11CB0863A | 0.03      | 2.4      | 0.049    | 0.02        |
| 11CB0864A | 0.08      | 3.3      | 0.2      | 0.17        |
| 11CB0865A | 0.08      | 1.6      | 0.049    | 0.05        |
| 11CB0866A | 0.02      | 3        | 0.1      | 0.0099      |
| 11CB0867A | 0.04      | 2.9      | 0.049    | 0.0099      |
| 11CB0868A | 0.0099    | 5.2      | 0.049    | 0.0099      |
| 11CB0869A | 0.02      | 4.4      | 0.049    | 0.06        |
| 11CB0870A | 0.04      | 2.1      | 0.049    | 0.04        |
| 11CB0871A | 0.04      | 5.8      | 0.049    | 0.04        |
| 11CB0872A | 0.14      | 3.2      | 0.2      | 0.0099      |
| 11CB0873A | 0.07      | 4.8      | 0.049    | 0.0099      |
| 11CB0874A | 0.14      | 1.7      | 0.4      | 0.05        |
| 11CB0875A | 0.08      | 2.8      | 0.3      | 0.0099      |
| 11CB0876A | 0.06      | 4        | 0.3      | 0.0099      |
| 11CB0877A | 0.14      | 0.7      | 0.2      | 0.0099      |
| 11CB0878A | 0.06      | 3.2      | 0.1      | 0.0099      |
| 11CB0879A | 0.12      | 0.7      | 0.049    | 0.0099      |
| 11CB0880A | 0.05      | 2.6      | 0.4      | 0.04        |
| 11DS0879A | 0.07      | 1.1      | 0.049    | 0.0099      |
| 11DS0879A | 0.07      | 1.1      | 0.049    | 0.0099      |
| 11DS0880A | 0.15      | 0.5      | 0.2      | 0.0099      |
| 11DS0880A | 0.15      | 0.5      | 0.2      | 0.0099      |
| 11DS0882A | 0.1       | 4        | 0.049    | 0.03        |
| 11DS0882A | 0.1       | 4        | 0.049    | 0.03        |
| 11DS0883A | -100      | -100     | -100     | -100        |
| 11DS0883A | -100      | -100     | -100     | -100        |
| 11DS0884A | 0.17      | 1.2      | 0.2      | 0.0099      |
| 11DS0884A | 0.17      | 1.2      | 0.2      | 0.0099      |
| 11DS0885A | 0.13      | 1.8      | 0.3      | 0.06        |
| 11DS0885A | 0.13      | 1.8      | 0.3      | 0.06        |
| 11DS0886A | 0.13      | 2.1      | 0.3      | 0.0099      |
| 11DS0886A | 0.13      | 2.1      | 0.3      | 0.0099      |
| 11DS0887A | 0.11      | 0.9      | 0.049    | 0.05        |
| 11DS0887A | 0.11      | 0.9      | 0.049    | 0.05        |
| 11DS0888A | 0.04      | 1.7      | 0.049    | 0.03        |
| 11DS0888A | 0.04      | 1.7      | 0.049    | 0.03        |
| 11DS0889A | 0.11      | 2.2      | 0.049    | 0.05        |
| 11DS0889A | 0.11      | 2.2      | 0.049    | 0.05        |
| 11DS0890A | 0.08      | 2.4      | 0.049    | 0.0099      |
| 11DS0890A | 0.08      | 2.4      | 0.049    | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS0891A | 0.16      | 2.9      | 0.4      | 0.06        |
| 11DS0891A | 0.16      | 2.9      | 0.4      | 0.06        |
| 11DS0892A | 0.1       | 1.3      | 0.1      | 0.0099      |
| 11DS0892A | 0.1       | 1.3      | 0.1      | 0.0099      |
| 11DS0893A | 0.09      | 1.7      | 0.4      | 0.0099      |
| 11DS0893A | 0.09      | 1.7      | 0.4      | 0.0099      |
| 11DS0894A | 0.1       | 2.9      | 0.2      | 0.0099      |
| 11DS0894A | 0.1       | 2.9      | 0.2      | 0.0099      |
| 11DS0896A | 0.12      | 1.6      | 0.3      | 0.0099      |
| 11DS0896A | 0.12      | 1.6      | 0.3      | 0.0099      |
| 11DS0897A | 0.13      | 1.6      | 0.5      | 0.0099      |
| 11DS0897A | 0.13      | 1.6      | 0.5      | 0.0099      |
| 11DS0898A | 0.11      | 2        | 0.4      | 0.0099      |
| 11DS0898A | 0.11      | 2        | 0.4      | 0.0099      |
| 11TB0914A | 0.03      | 2.8      | 0.3      | 0.04        |
| 11TB0914A | 0.03      | 2.8      | 0.3      | 0.04        |
| 11TB0915A | 0.1       | 1.8      | 0.2      | 0.04        |
| 11TB0915A | 0.1       | 1.8      | 0.2      | 0.04        |
| 11TB0916A | 0.05      | 3.7      | 0.1      | 0.07        |
| 11TB0916A | 0.05      | 3.7      | 0.1      | 0.07        |
| 11TB0917A | 0.03      | 6.3      | 0.049    | 0.11        |
| 11TB0917A | 0.03      | 6.3      | 0.049    | 0.11        |
| 11TB0918A | -100      | -100     | -100     | -100        |
| 11TB0918A | -100      | -100     | -100     | -100        |
| 11TB0920A | -100      | -100     | -100     | -100        |
| 11TB0920A | -100      | -100     | -100     | -100        |
| 11TB0922A | 0.09      | 3.6      | 0.4      | 0.03        |
| 11TB0922A | 0.09      | 3.6      | 0.4      | 0.03        |
| 11TB0923A | 0.03      | 4.6      | 0.1      | 0.08        |
| 11TB0923A | 0.03      | 4.6      | 0.1      | 0.08        |
| 11TB0924A | 0.06      | 1.8      | 0.049    | 0.04        |
| 11TB0924A | 0.06      | 1.8      | 0.049    | 0.04        |
| 11TB0925A | 0.05      | 1.9      | 0.2      | 0.07        |
| 11TB0925A | 0.05      | 1.9      | 0.2      | 0.07        |
| 11TB0926A | 0.06      | 1.6      | 0.049    | 0.07        |
| 11TB0926A | 0.06      | 1.6      | 0.049    | 0.07        |
| 11TB0927A | 0.04      | 2.6      | 0.049    | 0.04        |
| 11TB0927A | 0.04      | 2.6      | 0.049    | 0.04        |
| 11TB0928A | 0.02      | 2.7      | 0.049    | 0.06        |
| 11TB0928A | 0.02      | 2.7      | 0.049    | 0.06        |
| 11TB0929A | 0.09      | 4.4      | 0.2      | 0.04        |
| 11TB0929A | 0.09      | 4.4      | 0.2      | 0.04        |
| 11TB0930A | 0.11      | 3.6      | 0.6      | 0.09        |
| 11TB0930A | 0.11      | 3.6      | 0.6      | 0.09        |
| 11TB0931A | 0.1       | 2.5      | 0.049    | 0.0099      |
| 11TB0931A | 0.1       | 2.5      | 0.049    | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB0932A | 0.05      | 4.7      | 0.2      | 0.08        |
| 11TB0932A | 0.05      | 4.7      | 0.2      | 0.08        |
| 11AN0188A | 0.04      | 4.3      | 0.3      | 0.02        |
| 11AN0189A | 0.05      | 4.6      | 0.3      | 0.04        |
| 11AN0190A | 0.07      | 5.4      | 0.4      | 0.03        |
| 11AN0191A | 0.12      | 1.6      | 0.3      | 0.03        |
| 11AN0192A | 0.07      | 5.6      | 0.3      | 0.05        |
| 11AN0193A | 0.1       | 4.2      | 0.3      | 0.02        |
| 11AN0194A | 0.05      | 4.1      | 0.3      | 0.0099      |
| 11AN0195A | 0.05      | 3.7      | 0.3      | 0.03        |
| 11AN0196A | 0.05      | 5        | 0.2      | 0.05        |
| 11AN0197A | 0.03      | 4.5      | 0.2      | 0.04        |
| 11AN0198A | 0.05      | 4.6      | 0.3      | 0.05        |
| 11AN0199A | 0.07      | 4.5      | 0.3      | 0.06        |
| 11AN0200A | 0.09      | 2.6      | 0.2      | 0.06        |
| 11AN0202A | 0.05      | 5.1      | 0.2      | 0.0099      |
| 11AN0203A | 0.1       | 1.4      | 0.2      | 0.0099      |
| 11AN0204A | 0.0099    | 5.2      | 0.1      | 0.0099      |
| 11AN0205A | 0.03      | 7.2      | 0.1      | 0.0099      |
| 11AN0206A | 0.0099    | 5.6      | 0.049    | 0.0099      |
| 11AN0207A | 0.0099    | 6.5      | 0.1      | 0.02        |
| 11AN0208A | 0.04      | 4.2      | 0.2      | 0.03        |
| 11CB0882A | -100      | -100     | -100     | -100        |
| 11CB0883A | 0.11      | 1.4      | 0.049    | 0.02        |
| 11CB0884A | -100      | -100     | -100     | -100        |
| 11CB0885A | 0.12      | 1.5      | 0.3      | 0.0099      |
| 11CB0886A | 0.07      | 4.7      | 0.4      | 0.04        |
| 11CB0887A | 0.09      | 2.9      | 0.3      | 0.03        |
| 11CB0888A | 0.07      | 4        | 0.3      | 0.03        |
| 11CB0889A | 0.08      | 3.9      | 0.3      | 0.04        |
| 11CB0890A | 0.1       | 3.1      | 0.049    | 0.0099      |
| 11CB0891A | 0.07      | 2.3      | 0.2      | 0.04        |
| 11CB0892A | 0.11      | 2        | 0.3      | 0.03        |
| 11CB0893A | 0.18      | 0.5      | 0.6      | 0.0099      |
| 11CB0894A | 0.17      | 0.4      | 0.6      | 0.0099      |
| 11CB0895A | 0.09      | 1.3      | 0.4      | 0.0099      |
| 11CB0896A | 0.03      | 2.5      | 0.3      | 0.0099      |
| 11CB0897A | 0.05      | 3        | 0.4      | 0.04        |
| 11CB0898A | 0.04      | 3.8      | 0.3      | 0.04        |
| 11CB0899A | 0.05      | 3.1      | 0.3      | 0.06        |
| 11CB0900A | 0.04      | 3.4      | 0.4      | 0.06        |
| 11DS0899A | 0.07      | 2.7      | 0.049    | 0.0099      |
| 11DS0899A | 0.07      | 2.7      | 0.049    | 0.0099      |
| 11DS0900A | 0.11      | 1        | 0.3      | 0.0099      |
| 11DS0900A | 0.11      | 1        | 0.3      | 0.0099      |
| 11DS0902A | 0.08      | 2.8      | 0.3      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS0902A | 0.08      | 2.8      | 0.3      | 0.0099      |
| 11DS0903A | 0.1       | 4        | 0.3      | 0.0099      |
| 11DS0903A | 0.1       | 4        | 0.3      | 0.0099      |
| 11DS0904A | 0.1       | 5.2      | 0.5      | 0.0099      |
| 11DS0904A | 0.1       | 5.2      | 0.5      | 0.0099      |
| 11DS0905A | 0.09      | 1.4      | 0.3      | 0.0099      |
| 11DS0905A | 0.09      | 1.4      | 0.3      | 0.0099      |
| 11DS0906A | 0.1       | 2.3      | 0.5      | 0.0099      |
| 11DS0906A | 0.1       | 2.3      | 0.5      | 0.0099      |
| 11DS0907A | 0.09      | 2.4      | 0.3      | 0.03        |
| 11DS0907A | 0.09      | 2.4      | 0.3      | 0.03        |
| 11DS0908A | 0.11      | 2.1      | 0.3      | 0.0099      |
| 11DS0908A | 0.11      | 2.1      | 0.3      | 0.0099      |
| 11DS0909A | 0.09      | 1.8      | 0.1      | 0.0099      |
| 11DS0909A | 0.09      | 1.8      | 0.1      | 0.0099      |
| 11DS0910A | 0.11      | 4.3      | 0.4      | 0.0099      |
| 11DS0910A | 0.11      | 4.3      | 0.4      | 0.0099      |
| 11DS0911A | 0.11      | 2.9      | 0.5      | 0.04        |
| 11DS0911A | 0.11      | 2.9      | 0.5      | 0.04        |
| 11DS0912A | 0.06      | 3.4      | 0.5      | 0.0099      |
| 11DS0912A | 0.06      | 3.4      | 0.5      | 0.0099      |
| 11DS0913A | 0.08      | 3.6      | 0.5      | 0.0099      |
| 11DS0913A | 0.08      | 3.6      | 0.5      | 0.0099      |
| 11DS0914A | 0.1       | 1.2      | 0.4      | 0.04        |
| 11DS0914A | 0.1       | 1.2      | 0.4      | 0.04        |
| 11DS0915A | 0.11      | 2        | 0.2      | 0.0099      |
| 11DS0916A | 0.07      | 4        | 0.049    | 0.0099      |
| 11DS0917A | 0.05      | 5.1      | 0.1      | 0.0099      |
| 11DS0918A | 0.04      | 3.6      | 0.2      | 0.03        |
| 11DS0919A | 0.04      | 4.1      | 0.3      | 0.05        |
| 11TB0935A | 0.06      | 4.9      | 0.2      | 0.05        |
| 11TB0935A | 0.06      | 4.9      | 0.2      | 0.05        |
| 11TB0936A | 0.1       | 3.4      | 0.3      | 0.04        |
| 11TB0936A | 0.1       | 3.4      | 0.3      | 0.04        |
| 11TB0939A | 0.09      | 3        | 0.4      | 0.06        |
| 11TB0939A | 0.09      | 3        | 0.4      | 0.06        |
| 11TB0940A | 0.07      | 2.5      | 0.6      | 0.04        |
| 11TB0940A | 0.07      | 2.5      | 0.6      | 0.04        |
| 11TB0942A | 0.07      | 1.6      | 0.4      | 0.03        |
| 11TB0942A | 0.07      | 1.6      | 0.4      | 0.03        |
| 11TB0943A | 0.05      | 2.8      | 0.3      | 0.02        |
| 11TB0943A | 0.05      | 2.8      | 0.3      | 0.02        |
| 11TB0944A | -100      | -100     | -100     | -100        |
| 11TB0944A | -100      | -100     | -100     | -100        |
| 11TB0945A | 0.05      | 2.6      | 0.3      | 0.03        |
| 11TB0945A | 0.05      | 2.6      | 0.3      | 0.03        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB0946A | 0.1       | 1.2      | 0.6      | 0.03        |
| 11TB0946A | 0.1       | 1.2      | 0.6      | 0.03        |
| 11TB0947A | -100      | -100     | -100     | -100        |
| 11TB0949A | 0.09      | 2.9      | 0.2      | 0.1         |
| 11TB0950A | 0.07      | 3.9      | 0.2      | 0.0099      |
| 11TB0951A | 0.02      | 4.9      | 0.2      | 0.0099      |
| 11TB0952A | -100      | -100     | -100     | -100        |
| 11TB0952A | 0.04      | 6.3      | 0.3      | 0.0099      |
| 11TB0953A | -100      | -100     | -100     | -100        |
| 11TB0954A | 0.04      | 4.7      | 0.3      | 0.0099      |
| 11TB0955A | 0.02      | 5.4      | 0.3      | 0.03        |
| 11AN0209A | 0.02      | 7.5      | 0.2      | 0.02        |
| 11AN0210A | 0.07      | 3.5      | 0.2      | 0.03        |
| 11AN0211A | 0.09      | 5.6      | 0.2      | 0.0099      |
| 11AN0212A | 0.06      | 6.7      | 0.2      | 0.02        |
| 11AN0213A | 0.15      | 1.3      | 0.5      | 0.0099      |
| 11AN0214A | 0.04      | 5.3      | 0.1      | 0.0099      |
| 11AN0215A | 0.14      | 0.5      | 0.2      | 0.0099      |
| 11AN0216A | 0.0099    | 5        | 0.2      | 0.0099      |
| 11AN0217A | 0.03      | 5.5      | 0.3      | 0.04        |
| 11AN0218A | 0.06      | 4.2      | 0.4      | 0.0099      |
| 11AN0219A | 0.12      | 2.7      | 0.4      | 0.0099      |
| 11AN0220A | 0.03      | 5.6      | 0.2      | 0.03        |
| 11AN0222A | 0.04      | 5.3      | 0.4      | 0.02        |
| 11AN0223A | 0.06      | 3.6      | 0.2      | 0.03        |
| 11AN0224A | 0.03      | 4        | 0.2      | 0.03        |
| 11AN0225A | 0.08      | 4.6      | 0.3      | 0.04        |
| 11AN0226A | 0.11      | 2.4      | 0.3      | 0.03        |
| 11AN0227A | 0.05      | 4.7      | 0.3      | 0.02        |
| 11AN0228A | 0.03      | 5.1      | 0.2      | 0.0099      |
| 11AN0229A | 0.03      | 7.5      | 0.3      | 0.03        |
| 11CB0902A | 0.1       | 1.6      | 0.3      | 0.0099      |
| 11CB0903A | 0.11      | 2.2      | 0.4      | 0.0099      |
| 11CB0904A | 0.06      | 4        | 0.4      | 0.06        |
| 11CB0905A | 0.06      | 3.3      | 0.2      | 0.0099      |
| 11CB0906A | 0.05      | 5.1      | 0.3      | 0.02        |
| 11CB0907A | 0.05      | 4.8      | 0.3      | 0.0099      |
| 11CB0908A | 0.05      | 4        | 0.2      | 0.03        |
| 11CB0909A | 0.06      | 2.8      | 0.4      | 0.06        |
| 11CB0910A | 0.08      | 3        | 0.2      | 0.05        |
| 11CB0911A | 0.08      | 2.6      | 0.5      | 0.03        |
| 11CB0912A | 0.0099    | 3.8      | 0.3      | 0.0099      |
| 11CB0913A | 0.03      | 2.9      | 0.4      | 0.02        |
| 11CB0914A | 0.05      | 2.2      | 0.2      | 0.0099      |
| 11CB0915A | 0.03      | 2.5      | 0.2      | 0.0099      |
| 11CB0916A | 0.09      | 2.4      | 0.4      | 0.04        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11CB0917A | 0.04      | 5        | 0.2      | 0.04        |
| 11CB0918A | 0.03      | 5.7      | 0.2      | 0.0099      |
| 11CB0919A | 0.03      | 3.3      | 0.3      | 0.02        |
| 11DS0920A | 0.11      | 2        | 0.3      | 0.02        |
| 11DS0922A | 0.09      | 3.6      | 0.2      | 0.04        |
| 11DS0923A | -100      | -100     | -100     | -100        |
| 11DS0924A | -100      | -100     | -100     | -100        |
| 11DS0925A | 0.14      | 2.6      | 0.7      | 0.0099      |
| 11DS0926A | 0.1       | 2.5      | 0.4      | 0.07        |
| 11DS0927A | 0.07      | 3.1      | 0.5      | 0.04        |
| 11DS0928A | 0.14      | 1.8      | 0.6      | 0.03        |
| 11DS0929A | 0.06      | 2.6      | 0.3      | 0.0099      |
| 11DS0930A | 0.05      | 2.9      | 0.3      | 0.04        |
| 11DS0931A | 0.08      | 2.1      | 0.2      | 0.0099      |
| 11DS0932A | 0.14      | 2.8      | 0.2      | 0.02        |
| 11DS0933A | 0.09      | 2.5      | 0.4      | 0.03        |
| 11DS0934A | 0.07      | 2.5      | 0.2      | 0.0099      |
| 11DS0935A | 0.05      | 3.8      | 0.2      | 0.03        |
| 11DS0936A | 0.09      | 1.2      | 0.049    | 0.0099      |
| 11DS0937A | 0.05      | 2.6      | 0.2      | 0.03        |
| 11DS0938A | 0.08      | 3.4      | 0.4      | 0.03        |
| 11TB0956A | 0.05      | 2.7      | 0.7      | 0.0099      |
| 11TB0957A | 0.04      | 5.1      | 0.3      | 0.0099      |
| 11TB0958A | 0.06      | 3.5      | 0.3      | 0.03        |
| 11TB0959A | 0.05      | 4.8      | 0.4      | 0.0099      |
| 11TB0960A | 0.07      | 4        | 0.4      | 0.0099      |
| 11TB0962A | 0.09      | 1.5      | 0.5      | 0.0099      |
| 11TB0963A | 0.06      | 4.3      | 0.3      | 0.0099      |
| 11TB0964A | 0.08      | 4.8      | 0.3      | 0.0099      |
| 11TB0965A | 0.0099    | 5.2      | 0.1      | 0.03        |
| 11TB0966A | 0.03      | 5.1      | 0.1      | 0.0099      |
| 11TB0967A | 0.0099    | 7.7      | 0.2      | 0.02        |
| 11TB0968A | 0.02      | 5.4      | 0.2      | 0.03        |
| 11TB0969A | 0.06      | 2.8      | 0.3      | 0.04        |
| 11TB0970A | 0.05      | 5.4      | 0.4      | 0.03        |
| 11TB0971A | 0.03      | 3.8      | 0.2      | 0.0099      |
| 11TB0973A | 0.03      | 6.6      | 0.3      | 0.03        |
| 11TB0974A | 0.0099    | 5.8      | 0.2      | 0.02        |
| 11TB0975A | 0.04      | 6        | 0.2      | 0.03        |
| 11TB0976A | 0.1       | 2.9      | 0.4      | 0.0099      |
| 11AN0230A | 0.16      | 2.9      | 0.3      | 0.03        |
| 11AN0231A | 0.09      | 5.7      | 0.2      | 0.08        |
| 11AN0232A | -100      | -100     | -100     | -100        |
| 11AN0233A | -100      | -100     | -100     | -100        |
| 11AN0234A | 0.11      | 0.9      | 0.2      | 0.03        |
| 11AN0235A | 0.09      | 2.8      | 0.2      | 0.04        |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0236A | 0.07      | 4.6      | 0.3      | 0.04        |
| 11AN0237A | 0.12      | 4.1      | 0.6      | 0.11        |
| 11AN0238A | 0.09      | 4.2      | 0.1      | 0.1         |
| 11AN0239A | 0.09      | 5.3      | 0.1      | 0.17        |
| 11AN0240A | 0.05      | 4.6      | 0.1      | 0.06        |
| 11AN0242A | 0.05      | 5.3      | 0.1      | 0.04        |
| 11AN0243A | 0.06      | 5.3      | 0.2      | 0.05        |
| 11AN0244A | 0.07      | 3.9      | 0.6      | 0.12        |
| 11AN0245A | -100      | -100     | -100     | -100        |
| 11AN0246A | 0.03      | 5.5      | 0.3      | 0.03        |
| 11AN0247A | 0.0099    | 7.5      | 0.049    | 0.04        |
| 11AN0249A | 0.0099    | 4.6      | 0.2      | 0.0099      |
| 11AN0250A | 0.03      | 3.7      | 0.1      | 0.03        |
| 11AN0251A | 0.04      | 3.7      | 0.2      | 0.02        |
| 11AN0252A | 0.04      | 3.4      | 0.3      | 0.02        |
| 11AN0253A | 0.06      | 2.7      | 0.2      | 0.0099      |
| 11AN0254A | 0.04      | 4.3      | 0.2      | 0.02        |
| 11CB0920A | -100      | -100     | -100     | -100        |
| 11CB0922A | -100      | -100     | -100     | -100        |
| 11CB0923A | 0.18      | 0.7      | 0.6      | 0.03        |
| 11CB0924A | -100      | -100     | -100     | -100        |
| 11CB0925A | -100      | -100     | -100     | -100        |
| 11CB0926A | -100      | -100     | -100     | -100        |
| 11CB0927A | -100      | -100     | -100     | -100        |
| 11CB0928A | 0.06      | 3        | 0.2      | 0.03        |
| 11CB0929A | 0.11      | 2.8      | 0.5      | 0.05        |
| 11CB0930A | 0.0099    | 5.2      | 0.2      | 0.06        |
| 11CB0931A | 0.0099    | 7.2      | 0.1      | 0.04        |
| 11CB0932A | -100      | -100     | -100     | -100        |
| 11CB0933A | -100      | -100     | -100     | -100        |
| 11CB0934A | 0.02      | 3.7      | 0.2      | 0.03        |
| 11CB0935A | 0.0099    | 5.2      | 0.2      | 0.05        |
| 11CB0936A | 0.0099    | 4.9      | 0.049    | 0.03        |
| 11CB0937A | 0.02      | 3.4      | 0.3      | 0.04        |
| 11CB0938A | 0.0099    | 5.1      | 0.2      | 0.04        |
| 11CB0939A | 0.0099    | 4        | 0.3      | 0.04        |
| 11CB0940A | 0.03      | 4.2      | 0.3      | 0.05        |
| 11CB0942A | 0.02      | 3.1      | 0.3      | 0.05        |
| 11CB0943A | 0.11      | 1.1      | 0.3      | 0.14        |
| 11CB0944A | 0.11      | 1.2      | 0.3      | 0.14        |
| 11CB0945A | 0.15      | 1        | 0.7      | 0.21        |
| 11CB0946A | 0.14      | 1.2      | 0.5      | 0.17        |
| 11CB0947A | 0.06      | 5.9      | 0.5      | 0.05        |
| 11DS0939A | -100      | -100     | -100     | -100        |
| 11DS0940A | -100      | -100     | -100     | -100        |
| 11DS0942A | -100      | -100     | -100     | -100        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS0943A | 0.15      | 2.7      | 0.7      | 0.1         |
| 11DS0944A | -100      | -100     | -100     | -100        |
| 11DS0945A | 0.13      | 2.3      | 0.3      | 0.05        |
| 11DS0946A | -100      | -100     | -100     | -100        |
| 11DS0947A | -100      | -100     | -100     | -100        |
| 11DS0948A | -100      | -100     | -100     | -100        |
| 11DS0949A | -100      | -100     | -100     | -100        |
| 11DS0950A | -100      | -100     | -100     | -100        |
| 11DS0951A | 0.1       | 3.4      | 0.3      | 0.05        |
| 11DS0953A | 0.07      | 1.6      | 0.2      | 0.0099      |
| 11DS0954A | 0.06      | 1.3      | 0.2      | 0.0099      |
| 11DS0956A | 0.07      | 1.5      | 0.2      | 0.03        |
| 11DS0957A | 0.09      | 1.2      | 0.3      | 0.0099      |
| 11DS0958A | -100      | -100     | -100     | -100        |
| 11DS0959A | -100      | -100     | -100     | -100        |
| 11DS0960A | 0.07      | 3.8      | 0.2      | 0.05        |
| 11DS0962A | -100      | -100     | -100     | -100        |
| 11DS0963A | 0.08      | 1.7      | 0.4      | 0.05        |
| 11DS0964A | 0.07      | 1.8      | 0.5      | 0.05        |
| 11TB0977A | 0.03      | 5.7      | 0.2      | 0.0099      |
| 11TB0978A | 0.04      | 3.4      | 0.2      | 0.03        |
| 11TB0979A | 0.11      | 3.7      | 0.5      | 0.05        |
| 11TB0980A | 0.1       | 5.5      | 0.6      | 0.04        |
| 11TB0982A | -100      | -100     | -100     | -100        |
| 11TB0983A | 0.09      | 4.2      | 0.3      | 0.07        |
| 11TB0984A | 0.07      | 5        | 0.3      | 0.04        |
| 11TB0985A | 0.05      | 5.5      | 0.3      | 0.05        |
| 11TB0986A | 0.08      | 3.7      | 0.2      | 0.04        |
| 11TB0987A | 0.08      | 4.6      | 0.3      | 0.04        |
| 11TB0988A | 0.09      | 3.1      | 0.049    | 0.0099      |
| 11TB0989A | 0.05      | 3.5      | 0.3      | 0.0099      |
| 11TB0990A | 0.0099    | 5        | 0.2      | 0.03        |
| 11TB0991A | 0.06      | 4.1      | 0.3      | 0.1         |
| 11TB0992A | 0.02      | 3.7      | 0.3      | 0.03        |
| 11TB0993A | 0.0099    | 5.1      | 0.1      | 0.06        |
| 11TB0994A | 0.02      | 3.4      | 0.2      | 0.03        |
| 11TB0995A | 0.02      | 3.1      | 0.2      | 0.0099      |
| 11TB0996A | 0.0099    | 6.3      | 0.1      | 0.03        |
| 11TB0997A | 0.04      | 2.8      | 0.2      | 0.02        |
| 11TB0998A | 0.03      | 2        | 0.3      | 0.0099      |
| 11TB0999A | 0.03      | 3.3      | 0.049    | 0.03        |
| 11TB1000A | 0.07      | 2.5      | 0.2      | 0.03        |
| 11TB1001A | 0.07      | 4.2      | 0.2      | 0.03        |
| 11AN0255A | 0.05      | 2.9      | 0.3      | 0.02        |
| 11AN0256A | 0.05      | 2.8      | 0.3      | 0.03        |
| 11AN0257A | -100      | -100     | -100     | -100        |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0258A | -100      | -100     | -100     | -100        |
| 11AN0259A | -100      | -100     | -100     | -100        |
| 11AN0260A | 0.11      | 1        | 0.4      | 0.03        |
| 11AN0262A | 0.02      | 5.5      | 0.3      | 0.0099      |
| 11AN0263A | -100      | -100     | -100     | -100        |
| 11AN0264A | 0.06      | 4.6      | 0.1      | 0.0099      |
| 11AN0265A | 0.03      | 4        | 0.2      | 0.03        |
| 11AN0266A | 0.05      | 1.8      | 0.2      | 0.03        |
| 11AN0267A | 0.06      | 5        | 0.2      | 0.0099      |
| 11AN0269A | 0.05      | 5        | 0.2      | 0.02        |
| 11AN0270A | 0.1       | 4.7      | 0.3      | 0.03        |
| 11AN0272A | 0.04      | 4.1      | 0.3      | 0.0099      |
| 11CB0948A | 0.03      | 4.8      | 0.2      | 0.03        |
| 11CB0949A | 0.09      | 5        | 0.4      | 0.04        |
| 11CB0950A | 0.07      | 3.3      | 0.2      | 0.0099      |
| 11CB0951A | 0.06      | 3.7      | 0.3      | 0.03        |
| 11CB0952A | 0.08      | 2.8      | 0.4      | 0.03        |
| 11CB0953A | 0.08      | 2.9      | 0.2      | 0.03        |
| 11CB0954A | 0.06      | 3.5      | 0.2      | 0.0099      |
| 11CB0955A | 0.06      | 3.6      | 0.3      | 0.0099      |
| 11CB0956A | 0.07      | 1.9      | 0.049    | 0.0099      |
| 11CB0957A | 0.1       | 2.1      | 0.3      | 0.0099      |
| 11CB0958A | 0.09      | 3.2      | 0.2      | 0.02        |
| 11CB0959A | 0.09      | 3.6      | 0.3      | 0.0099      |
| 11CB0960A | 0.05      | 4.7      | 0.2      | 0.0099      |
| 11CB0962A | 0.03      | 4.8      | 0.2      | 0.0099      |
| 11DS0965A | 0.08      | 2.3      | 0.4      | 0.02        |
| 11DS0966A | 0.06      | 2        | 0.2      | 0.07        |
| 11DS0967A | 0.09      | 1.1      | 0.5      | 0.05        |
| 11DS0968A | 0.07      | 3.1      | 0.4      | 0.06        |
| 11DS0969A | 0.08      | 1.5      | 0.3      | 0.05        |
| 11DS0970A | 0.09      | 2.5      | 0.4      | 0.03        |
| 11DS0971A | 0.09      | 1.7      | 0.4      | 0.04        |
| 11DS0972A | 0.07      | 2.9      | 0.4      | 0.03        |
| 11DS0973A | 0.06      | 1.7      | 0.3      | 0.04        |
| 11DS0974A | 0.04      | 3.7      | 0.3      | 0.0099      |
| 11DS0975A | 0.11      | 1.6      | 0.3      | 0.06        |
| 11DS0976A | 0.08      | 2.4      | 0.3      | 0.03        |
| 11DS0977A | 0.08      | 2.8      | 0.2      | 0.07        |
| 11DS0978A | 0.04      | 1.1      | 0.3      | 0.07        |
| 11DS0979A | 0.07      | 1.6      | 0.4      | 0.0099      |
| 11DS0980A | 0.06      | 4        | 0.4      | 0.06        |
| 11DS0982A | 0.06      | 3.8      | 0.4      | 0.07        |
| 11DS0983A | 0.07      | 3.6      | 0.5      | 0.0099      |
| 11DS0984A | 0.08      | 3        | 0.5      | 0.04        |
| 11DS0985A | 0.11      | 2.5      | 0.5      | 0.03        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB1002A | 0.04      | 2.8      | 0.2      | 0.03        |
| 11TB1003A | 0.06      | 2.7      | 0.1      | 0.02        |
| 11TB1004A | 0.05      | 2.5      | 0.2      | 0.04        |
| 11TB1005A | 0.1       | 1        | 0.2      | 0.0099      |
| 11TB1006A | 0.12      | 0.3      | 0.2      | 0.0099      |
| 11TB1007A | 0.07      | 6.6      | 0.2      | 0.03        |
| 11TB1008A | 0.04      | 2.6      | 0.1      | 0.0099      |
| 11TB1009A | 0.07      | 3.9      | 0.1      | 0.0099      |
| 11TB1010A | 0.03      | 2.7      | 0.2      | 0.0099      |
| 11TB1011A | 0.03      | 3.9      | 0.2      | 0.0099      |
| 11TB1012A | 0.05      | 2.8      | 0.1      | 0.0099      |
| 11TB1013A | 0.0099    | 5.2      | 0.2      | 0.06        |
| 11TB1014A | 0.18      | 1.2      | 0.5      | 0.03        |
| 11TB1015A | 0.14      | 2.4      | 0.3      | 0.0099      |
| 11TB1016A | 0.06      | 4.8      | 0.2      | 0.04        |
| 11TB1017A | 0.03      | 5        | 0.2      | 0.02        |
| 11TB1019A | 0.08      | 2.9      | 0.3      | 0.0099      |
| 11TB1020A | 0.04      | 4.3      | 0.4      | 0.02        |
| 11TB1022A | 0.05      | 4.4      | 0.3      | 0.0099      |
| 11AN0273A | 0.03      | 4.9      | 0.049    | 0.0099      |
| 11AN0274A | 0.16      | 0.8      | 0.5      | 0.0099      |
| 11AN0275A | 0.21      | 0.9      | 0.4      | 0.02        |
| 11AN0276A | 0.07      | 6.1      | 0.1      | 0.06        |
| 11AN0277A | -100      | -100     | -100     | -100        |
| 11AN0278A | -100      | -100     | -100     | -100        |
| 11AN0279A | 0.05      | 5.3      | 0.2      | 0.04        |
| 11AN0280A | -100      | -100     | -100     | -100        |
| 11AN0282A | 0.06      | 4.3      | 0.2      | 0.0099      |
| 11AN0283A | 0.05      | 5.8      | 0.2      | 0.05        |
| 11AN0284A | 0.06      | 3.6      | 0.3      | 0.04        |
| 11AN0285A | 0.04      | 5.2      | 0.3      | 0.0099      |
| 11AN0286A | 0.12      | 1.4      | 0.049    | 0.0099      |
| 11AN0287A | 0.11      | 2.3      | 0.2      | 0.03        |
| 11AN0288A | 0.03      | 5.1      | 0.049    | 0.0099      |
| 11AN0289A | 0.06      | 5.3      | 0.2      | 0.03        |
| 11AN0290A | 0.02      | 5.9      | 0.049    | 0.0099      |
| 11AN0291A | -100      | -100     | -100     | -100        |
| 11AN0292A | 0.15      | 2.6      | 0.3      | 0.08        |
| 11AN0293A | 0.04      | 4.8      | 0.3      | 0.0099      |
| 11AN0294A | 0.03      | 5.5      | 0.3      | 0.04        |
| 11AN0295A | 0.03      | 4        | 0.2      | 0.03        |
| 11AN0296A | 0.03      | 5        | 0.2      | 0.0099      |
| 11AN0298A | 0.06      | 3.9      | 0.3      | 0.07        |
| 11AN0299A | 0.02      | 6.3      | 0.2      | 0.09        |
| 11CB0967A | 0.13      | 4.9      | 0.6      | 0.02        |
| 11CB0968A | 0.16      | 3.8      | 0.4      | 0.03        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11CB0969A | 0.13      | 5        | 0.5      | 0.04        |
| 11CB0970A | 0.12      | 4.4      | 0.5      | 0.03        |
| 11CB0971A | 0.18      | 1.3      | 0.5      | 0.05        |
| 11CB0972A | 0.13      | 2.9      | 0.7      | 0.11        |
| 11CB0973A | 0.1       | 3.4      | 0.6      | 0.14        |
| 11CB0974A | 0.11      | 2.2      | 0.4      | 0.09        |
| 11CB0975A | 0.12      | 1.5      | 0.4      | 0.06        |
| 11CB0976A | 0.11      | 1.5      | 0.5      | 0.02        |
| 11CB0977A | 0.09      | 1.9      | 0.3      | 0.02        |
| 11CB0978A | 0.08      | 3.4      | 0.049    | 0.04        |
| 11CB0979A | 0.13      | 2        | 0.049    | 0.05        |
| 11CB0980A | 0.03      | 5.6      | 0.049    | 0.09        |
| 11CB0982A | 0.04      | 5.8      | 0.1      | 0.05        |
| 11CB0983A | 0.04      | 5.3      | 0.2      | 0.04        |
| 11CB0984A | 0.07      | 5.9      | 0.1      | 0.04        |
| 11CB0985A | 0.09      | 1.8      | 0.3      | 0.04        |
| 11CB0986A | 0.0099    | 6.9      | 0.049    | 0.03        |
| 11CB0987A | 0.0099    | 6.1      | 0.049    | 0.04        |
| 11CB0988A | 0.02      | 4.7      | 0.1      | 0.04        |
| 11CB0989A | 0.04      | 4.5      | 0.2      | 0.09        |
| 11CB0990A | 0.03      | 5.2      | 0.2      | 0.03        |
| 11CB0991A | 0.02      | 5.6      | 0.049    | 0.02        |
| 11CB0992A | 0.08      | 1.5      | 0.4      | 0.03        |
| 11DS0986A | 0.07      | 1.1      | 0.3      | 0.0099      |
| 11DS0987A | 0.08      | 2        | 0.5      | 0.03        |
| 11DS0988A | 0.05      | 1.3      | 0.3      | 0.03        |
| 11DS0989A | 0.12      | 0.9      | 0.3      | 0.02        |
| 11DS0990A | 0.09      | 3.3      | 0.4      | 0.03        |
| 11DS0991A | -100      | -100     | -100     | -100        |
| 11DS0992A | 0.12      | 0.9      | 0.5      | 0.04        |
| 11DS0993A | -100      | -100     | -100     | -100        |
| 11DS0994A | 0.09      | 2.3      | 0.6      | 0.08        |
| 11DS0995A | -100      | -100     | -100     | -100        |
| 11DS0996A | -100      | -100     | -100     | -100        |
| 11DS0997A | 0.08      | 3.8      | 0.4      | 0.0099      |
| 11DS0998A | 0.07      | 2.9      | 0.5      | 0.0099      |
| 11DS0999A | 0.06      | 3.3      | 0.2      | 0.07        |
| 11DS1000A | 0.07      | 2.1      | 0.6      | 0.0099      |
| 11DS1002A | 0.13      | 1.3      | 1        | 0.0099      |
| 11DS1003A | 0.04      | 2.2      | 0.3      | 0.0099      |
| 11DS1004A | 0.06      | 2.8      | 0.5      | 0.0099      |
| 11DS1005A | 0.09      | 1.1      | 0.2      | 0.0099      |
| 11DS1006A | 0.07      | 2.1      | 0.8      | 0.0099      |
| 11DS1007A | 0.04      | 2.1      | 0.3      | 0.0099      |
| 11DS1008A | 0.06      | 2        | 0.4      | 0.0099      |
| 11DS1009A | 0.09      | 1.1      | 0.5      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS1010A | 0.05      | 1.9      | 0.5      | 0.07        |
| 11TB1023A | 0.06      | 2.3      | 0.2      | 0.0099      |
| 11TB1024A | 0.18      | 0.9      | 0.9      | 0.0099      |
| 11TB1025A | 0.15      | 3.4      | 0.5      | 0.03        |
| 11TB1026A | 0.07      | 4        | 0.4      | 0.04        |
| 11TB1027A | 0.04      | 4.8      | 0.2      | 0.03        |
| 11TB1028A | 0.07      | 4.3      | 0.2      | 0.03        |
| 11TB1029A | 0.03      | 2.6      | 0.2      | 0.0099      |
| 11TB1030A | 0.04      | 6.2      | 0.2      | 0.0099      |
| 11TB1031A | 0.13      | 1.3      | 0.4      | 0.0099      |
| 11TB1032A | 0.1       | 2        | 0.3      | 0.0099      |
| 11TB1033A | 0.09      | 1.3      | 0.2      | 0.0099      |
| 11TB1034A | 0.04      | 6.9      | 0.3      | 0.04        |
| 11TB1035A | 0.05      | 5.6      | 0.2      | 0.05        |
| 11TB1036A | 0.04      | 6.3      | 0.3      | 0.0099      |
| 11TB1037A | 0.05      | 5.2      | 0.2      | 0.02        |
| 11TB1038A | 0.06      | 3.3      | 0.2      | 0.0099      |
| 11TB1039A | 0.0099    | 6.2      | 0.2      | 0.03        |
| 11TB1040A | 0.0099    | 6.8      | 0.1      | 0.04        |
| 11TB1042A | 0.05      | 2.3      | 0.3      | 0.02        |
| 11TB1043A | 0.02      | 4        | 0.2      | 0.03        |
| 11TB1044A | 0.06      | 2.4      | 0.4      | 0.02        |
| 11TB1045A | 0.08      | 1.9      | 0.3      | 0.0099      |
| 11TB1046A | 0.04      | 3.8      | 0.2      | 0.03        |
| 11TB1047A | 0.05      | 4.6      | 0.5      | 0.1         |
| 11AN0300A | 0.06      | 3.1      | 0.2      | 0.0099      |
| 11AN0302A | 0.0099    | 6.5      | 0.049    | 0.0099      |
| 11AN0303A | 0.03      | 9.3      | 0.2      | 0.0099      |
| 11AN0304A | 0.02      | 5.6      | 0.4      | 0.0099      |
| 11AN0305A | 0.02      | 4.8      | 0.1      | 0.0099      |
| 11AN0306A | 0.0099    | 5.4      | 0.1      | 0.0099      |
| 11AN0307A | -100      | -100     | -100     | -100        |
| 11AN0308A | -100      | -100     | -100     | -100        |
| 11AN0309A | 0.03      | 2.5      | 0.3      | 0.0099      |
| 11AN0310A | 0.03      | 5.8      | 0.2      | 0.0099      |
| 11AN0311A | 0.06      | 5.5      | 0.2      | 0.0099      |
| 11AN0312A | -100      | -100     | -100     | -100        |
| 11AN0313A | 0.09      | 2.7      | 0.4      | 0.0099      |
| 11AN0314A | 0.05      | 4.7      | 0.2      | 0.03        |
| 11AN0315A | 0.13      | 4.3      | 0.5      | 0.0099      |
| 11AN0316A | 0.09      | 3.3      | 0.3      | 0.0099      |
| 11AN0317A | -100      | -100     | -100     | -100        |
| 11AN0318A | 0.07      | 5.4      | 0.5      | 0.03        |
| 11AN0319A | -100      | -100     | -100     | -100        |
| 11AN0320A | 0.04      | 6.5      | 0.2      | 0.0099      |
| 11AN0322A | 0.04      | 5.1      | 0.2      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0323A | -100      | -100     | -100     | -100        |
| 11AN0324A | 0.04      | 6.3      | 0.2      | 0.02        |
| 11AN0325A | -100      | -100     | -100     | -100        |
| 11AN0326A | 0.06      | 5.1      | 0.4      | 0.0099      |
| 11AN0327A | 0.07      | 3.4      | 0.3      | 0.0099      |
| 11AN0328A | 0.04      | 4.4      | 0.2      | 0.0099      |
| 11AN0329A | 0.05      | 5.2      | 0.2      | 0.05        |
| 11CB0993A | 0.04      | 2.5      | 0.2      | 0.06        |
| 11CB0994A | 0.03      | 5.7      | 0.2      | 0.04        |
| 11CB0995A | 0.09      | 4        | 0.3      | 0.03        |
| 11CB0996A | 0.1       | 3.3      | 0.3      | 0.03        |
| 11CB0997A | 0.05      | 4.5      | 0.3      | 0.03        |
| 11CB0998A | 0.08      | 3.3      | 0.2      | 0.04        |
| 11CB0999A | 0.07      | 3.6      | 0.2      | 0.03        |
| 11CB1000A | 0.05      | 4.5      | 0.1      | 0.03        |
| 11CB1002A | 0.11      | 0.8      | 0.3      | 0.0099      |
| 11CB1003A | 0.04      | 2.4      | 0.049    | 0.0099      |
| 11CB1004A | 0.04      | 2.8      | 0.2      | 0.02        |
| 11CB1005A | 0.11      | 4.3      | 0.4      | 0.02        |
| 11CB1006A | 0.09      | 6        | 0.4      | 0.04        |
| 11CB1007A | 0.04      | 4.5      | 0.4      | 0.04        |
| 11CB1008A | 0.04      | 4.5      | 0.2      | 0.02        |
| 11CB1009A | 0.2       | 1.3      | 0.6      | 0.02        |
| 11CB1010A | 0.19      | 1.5      | 0.6      | 0.06        |
| 11CB1011A | -100      | -100     | -100     | -100        |
| 11CB1012A | -100      | -100     | -100     | -100        |
| 11CB1013A | -100      | -100     | -100     | -100        |
| 11CB1014A | -100      | -100     | -100     | -100        |
| 11CB1015A | -100      | -100     | -100     | -100        |
| 11CB1016A | -100      | -100     | -100     | -100        |
| 11CB1018A | 0.06      | 4.7      | 0.1      | 0.03        |
| 11CB1019A | 0.06      | 5.6      | 0.3      | 0.03        |
| 11CB1020A | 0.03      | 5.8      | 0.2      | 0.03        |
| 11CB1022A | 0.0099    | 7.8      | 0.2      | 0.03        |
| 11CB1023A | 0.0099    | 8.2      | 0.049    | 0.03        |
| 11CB1024A | 0.0099    | 8.1      | 0.2      | 0.02        |
| 11DS1011A | 0.06      | 3.5      | 0.4      | 0.07        |
| 11DS1012A | 0.07      | 2        | 0.2      | 0.02        |
| 11DS1013A | 0.03      | 3.2      | 0.049    | 0.0099      |
| 11DS1014A | 0.04      | 2.4      | 0.2      | 0.0099      |
| 11DS1015A | 0.07      | 1.8      | 0.2      | 0.03        |
| 11DS1016A | 0.07      | 2.2      | 0.3      | 0.0099      |
| 11DS1017A | 0.05      | 2        | 0.2      | 0.03        |
| 11DS1018A | 0.08      | 2.1      | 0.1      | 0.02        |
| 11DS1019A | 0.13      | 3.3      | 0.3      | 0.05        |
| 11DS1020A | 0.18      | 0.9      | 0.3      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS1022A | 0.16      | 1.5      | 0.3      | 0.0099      |
| 11DS1023A | 0.14      | 1.4      | 0.4      | 0.02        |
| 11DS1024A | 0.11      | 2.3      | 0.5      | 0.0099      |
| 11DS1025A | 0.17      | 1.6      | 0.5      | 0.03        |
| 11DS1026A | 0.19      | 0.8      | 0.3      | 0.0099      |
| 11DS1027A | 0.14      | 2.8      | 0.3      | 0.03        |
| 11DS1028A | 0.15      | 1.2      | 0.3      | 0.0099      |
| 11DS1029A | -100      | -100     | -100     | -100        |
| 11DS1030A | -100      | -100     | -100     | -100        |
| 11DS1031A | -100      | -100     | -100     | -100        |
| 11DS1032A | -100      | -100     | -100     | -100        |
| 11DS1033A | -100      | -100     | -100     | -100        |
| 11DS1034A | 0.15      | 1.5      | 0.2      | 0.0099      |
| 11DS1035A | 0.04      | 3.1      | 0.2      | 0.02        |
| 11DS1036A | 0.08      | 3.4      | 0.2      | 0.0099      |
| 11DS1037A | 0.08      | 2.3      | 0.2      | 0.0099      |
| 11DS1038A | 0.08      | 4.8      | 0.2      | 0.03        |
| 11DS1039A | 0.08      | 3        | 0.2      | 0.0099      |
| 11TB1048A | 0.0099    | 4.2      | 0.3      | 0.08        |
| 11TB1049A | 0.0099    | 4.7      | 0.2      | 0.0099      |
| 11TB1050A | 0.02      | 4        | 0.1      | 0.03        |
| 11TB1051A | 0.05      | 1.1      | 0.2      | 0.04        |
| 11TB1052A | 0.03      | 3.4      | 0.2      | 0.03        |
| 11TB1053A | 0.04      | 3.1      | 0.2      | 0.05        |
| 11TB1054A | -100      | -100     | -100     | -100        |
| 11TB1055A | 0.04      | 5.3      | 0.2      | 0.04        |
| 11TB1056A | 0.04      | 5.8      | 0.2      | 0.04        |
| 11TB1057A | 0.04      | 5.5      | 0.3      | 0.05        |
| 11TB1058A | 0.04      | 3.4      | 0.4      | 0.05        |
| 11TB1059A | 0.05      | 5.5      | 0.3      | 0.05        |
| 11TB1060A | 0.05      | 3.6      | 0.2      | 0.02        |
| 11TB1062A | 0.02      | 3.9      | 0.3      | 0.03        |
| 11TB1063A | -100      | -100     | -100     | -100        |
| 11TB1064A | -100      | -100     | -100     | -100        |
| 11TB1065A | 0.08      | 3.9      | 0.5      | 0.05        |
| 11TB1066A | 0.13      | 1.8      | 0.3      | 0.05        |
| 11TB1067A | -100      | -100     | -100     | -100        |
| 11TB1068A | 0.0099    | 8.3      | 0.049    | 0.04        |
| 11TB1069A | -100      | -100     | -100     | -100        |
| 11TB1070A | 0.1       | 2.9      | 0.4      | 0.06        |
| 11TB1071A | -100      | -100     | -100     | -100        |
| 11TB1072A | -100      | -100     | -100     | -100        |
| 11TB1073A | 0.06      | 3.9      | 0.4      | 0.06        |
| 11TB1074A | -100      | -100     | -100     | -100        |
| 11TB1075A | 0.04      | 5.6      | 0.2      | 0.06        |
| 11TB1076A | 0.04      | 4.5      | 0.2      | 0.04        |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB1077A | 0.03      | 4.1      | 0.2      | 0.05        |
| 11AN0330A | 0.0099    | 8.4      | 0.2      | 0.05        |
| 11AN0331A | 0.0099    | 7.1      | 0.2      | 0.04        |
| 11AN0332A | 0.03      | 5.4      | 0.1      | 0.0099      |
| 11AN0333A | 0.03      | 2.9      | 0.2      | 0.0099      |
| 11AN0334A | -100      | -100     | -100     | -100        |
| 11AN0335A | 0.07      | 4.4      | 0.3      | 0.04        |
| 11AN0336A | 0.08      | 6.1      | 0.3      | 0.0099      |
| 11AN0337A | 0.09      | 6.3      | 0.3      | 0.0099      |
| 11AN0338A | 0.06      | 4.5      | 0.3      | 0.03        |
| 11AN0339A | 0.09      | 3.9      | 0.4      | 0.07        |
| 11AN0340A | 0.18      | 0.6      | 0.9      | 0.0099      |
| 11AN0342A | 0.0099    | 6.5      | 0.1      | 0.03        |
| 11AN0343A | 0.0099    | 6.5      | 0.2      | 0.04        |
| 11AN0344A | 0.0099    | 6.5      | 0.1      | 0.02        |
| 11AN0345A | -100      | -100     | -100     | -100        |
| 11AN0346A | 0.06      | 4.1      | 0.4      | 0.0099      |
| 11AN0347A | 0.03      | 3.4      | 0.3      | 0.02        |
| 11AN0348A | 0.02      | 4.2      | 0.1      | 0.02        |
| 11AN0349A | 0.02      | 5.2      | 0.1      | 0.0099      |
| 11AN0350A | 0.06      | 3.8      | 0.3      | 0.04        |
| 11AN0351A | 0.11      | 1.4      | 0.5      | 0.0099      |
| 11AN0352A | 0.07      | 3.7      | 0.3      | 0.03        |
| 11CB1025A | 0.06      | 6.1      | 0.3      | 0.0099      |
| 11CB1026A | 0.09      | 3.5      | 0.2      | 0.02        |
| 11CB1027A | 0.04      | 2.5      | 0.2      | 0.02        |
| 11CB1028A | 0.05      | 1.5      | 0.2      | 0.02        |
| 11CB1029A | 0.1       | 2.7      | 0.3      | 0.0099      |
| 11CB1030A | 0.05      | 3.5      | 0.3      | 0.0099      |
| 11CB1031A | 0.07      | 3.2      | 0.3      | 0.0099      |
| 11CB1032A | 0.08      | 3.1      | 0.2      | 0.0099      |
| 11CB1033A | 0.09      | 6.3      | 0.6      | 0.0099      |
| 11CB1034A | 0.08      | 4.3      | 0.3      | 0.03        |
| 11CB1035A | 0.11      | 3.6      | 0.4      | 0.02        |
| 11CB1036A | 0.09      | 5.6      | 0.5      | 0.0099      |
| 11CB1037A | 0.1       | 2.1      | 0.5      | 0.0099      |
| 11CB1038A | 0.11      | 2.7      | 0.3      | 0.0099      |
| 11CB1039A | 0.11      | 1.8      | 0.4      | 0.0099      |
| 11CB1040A | 0.0099    | 6.4      | 0.049    | 0.06        |
| 11CB1042A | 0.0099    | 6.3      | 0.2      | 0.08        |
| 11CB1043A | 0.0099    | 5.6      | 0.1      | 0.05        |
| 11CB1044A | 0.07      | 5.3      | 0.8      | 0.05        |
| 11CB1045A | 0.06      | 2.7      | 0.4      | 0.0099      |
| 11CB1046A | 0.03      | 4.4      | 0.3      | 0.02        |
| 11CB1047A | 0.05      | 4.2      | 0.5      | 0.04        |
| 11DS1040A | 0.09      | 2.7      | 0.2      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS1042A | 0.05      | 3.7      | 0.2      | 0.0099      |
| 11DS1043A | 0.07      | 1.4      | 0.1      | 0.03        |
| 11DS1044A | 0.06      | 2.8      | 0.2      | 0.04        |
| 11DS1045A | 0.13      | 1.2      | 0.2      | 0.0099      |
| 11DS1046A | 0.06      | 1.3      | 0.2      | 0.0099      |
| 11DS1047A | 0.07      | 1.1      | 0.6      | 0.0099      |
| 11DS1048A | 0.07      | 2        | 0.6      | 0.02        |
| 11DS1049A | 0.07      | 5.9      | 1.3      | 0.0099      |
| 11DS1050A | 0.12      | 3.5      | 0.7      | 0.0099      |
| 11DS1051A | 0.08      | 1.8      | 0.3      | 0.06        |
| 11DS1052A | 0.06      | 1.2      | 0.3      | 0.0099      |
| 11DS1053A | 0.13      | 1.7      | 0.6      | 0.02        |
| 11DS1054A | 0.1       | 2.6      | 0.5      | 0.0099      |
| 11DS1055A | 0.12      | 2.7      | 0.7      | 0.0099      |
| 11DS1056A | 0.15      | 1.6      | 0.9      | 0.02        |
| 11DS1057A | 0.19      | 0.4      | 0.7      | 0.04        |
| 11DS1058A | 0.11      | 4        | 0.7      | 0.0099      |
| 11DS1059A | 0.02      | 5        | 0.2      | 0.02        |
| 11DS1060A | 0.06      | 4        | 0.4      | 0.0099      |
| 11DS1062A | 0.06      | 1.6      | 0.5      | 0.0099      |
| 11DS1063A | 0.1       | 1.1      | 0.9      | 0.05        |
| 11DS1064A | 0.07      | 3.2      | 0.8      | 0.04        |
| 11DS1065A | 0.09      | 3.7      | 0.5      | 0.03        |
| 11TB1078A | -100      | -100     | -100     | -100        |
| 11TB1079A | 0.0099    | 4        | 0.1      | 0.0099      |
| 11TB1080A | 0.02      | 2.8      | 0.1      | 0.0099      |
| 11TB1082A | 0.04      | 3.8      | 0.3      | 0.0099      |
| 11TB1083A | 0.04      | 4.2      | 0.2      | 0.03        |
| 11TB1084A | -100      | -100     | -100     | -100        |
| 11TB1085A | -100      | -100     | -100     | -100        |
| 11TB1086A | 0.05      | 3.9      | 0.049    | 0.03        |
| 11TB1087A | 0.02      | 2.8      | 0.049    | 0.0099      |
| 11TB1088A | -100      | -100     | -100     | -100        |
| 11TB1089A | 0.05      | 1.9      | 0.049    | 0.0099      |
| 11TB1090A | 0.06      | 1.5      | 0.2      | 0.0099      |
| 11TB1091A | -100      | -100     | -100     | -100        |
| 11TB1092A | -100      | -100     | -100     | -100        |
| 11TB1093A | -100      | -100     | -100     | -100        |
| 11TB1094A | 0.15      | 1.2      | 0.5      | 0.0099      |
| 11TB1095A | 0.06      | 5.1      | 0.3      | 0.0099      |
| 11TB1096A | -100      | -100     | -100     | -100        |
| 11TB1097A | 0.07      | 3.5      | 0.3      | 0.03        |
| 11TB1098A | 0.03      | 3.7      | 0.4      | 0.02        |
| 11TB1099A | 0.07      | 2.9      | 0.4      | 0.02        |
| 11TB1100A | 0.09      | 2        | 0.4      | 0.03        |
| 11TB1102A | 0.07      | 3.8      | 0.5      | 0.0099      |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0353A | 0.04      | 3.4      | 0.1      | 0.0099      |
| 11AN0354A | 0.02      | 5        | 0.049    | 0.03        |
| 11AN0355A | 0.11      | 1.4      | 0.4      | 0.0099      |
| 11AN0356A | 0.09      | 2.2      | 0.3      | 0.02        |
| 11AN0357A | 0.08      | 4.7      | 0.3      | 0.0099      |
| 11AN0358A | 0.08      | 6.6      | 0.4      | 0.0099      |
| 11AN0359A | 0.06      | 3.8      | 0.2      | 0.0099      |
| 11AN0360A | 0.04      | 4.8      | 0.2      | 0.02        |
| 11AN0362A | 0.03      | 3.7      | 0.1      | 0.03        |
| 11AN0363A | 0.03      | 4.6      | 0.2      | 0.02        |
| 11AN0364A | 0.03      | 3.4      | 0.2      | 0.02        |
| 11AN0365A | 0.05      | 2.1      | 0.3      | 0.0099      |
| 11AN0366A | 0.0099    | 5.7      | 0.1      | 0.02        |
| 11AN0367A | 0.0099    | 5        | 0.1      | 0.0099      |
| 11AN0368A | 0.02      | 4.7      | 0.2      | 0.02        |
| 11AN0369A | 0.05      | 1.7      | 0.2      | 0.0099      |
| 11AN0370A | 0.03      | 4.6      | 0.2      | 0.02        |
| 11AN0371A | 0.0099    | 3.6      | 0.049    | 0.0099      |
| 11AN0372A | 0.03      | 3.3      | 0.2      | 0.03        |
| 11AN0373A | 0.05      | 3.9      | 0.2      | 0.02        |
| 11AN0374A | 0.03      | 4.4      | 0.049    | 0.0099      |
| 11AN0375A | 0.0099    | 3        | 0.049    | 0.0099      |
| 11AN0376A | 0.06      | 1.1      | 0.049    | 0.0099      |
| 11AN0377A | 0.04      | 3.5      | 0.049    | 0.04        |
| 11CB1048A | -100      | -100     | -100     | -100        |
| 11CB1049A | 0.05      | 3.2      | 0.2      | 0.04        |
| 11CB1050A | 0.03      | 2        | 0.2      | 0.0099      |
| 11CB1051A | 0.09      | 2.5      | 0.3      | 0.02        |
| 11CB1052A | 0.07      | 4.5      | 0.4      | 0.0099      |
| 11CB1053A | 0.09      | 1.6      | 0.4      | 0.03        |
| 11CB1054A | 0.1       | 3.5      | 0.2      | 0.05        |
| 11CB1055A | -100      | -100     | -100     | -100        |
| 11CB1056A | 0.04      | 4.3      | 0.2      | 0.03        |
| 11CB1057A | 0.05      | 4.3      | 0.3      | 0.0099      |
| 11CB1058A | 0.06      | 4.3      | 0.3      | 0.0099      |
| 11CB1059A | 0.07      | 2.8      | 0.049    | 0.0099      |
| 11CB1060A | 0.1       | 1.5      | 0.1      | 0.0099      |
| 11CB1062A | 0.04      | 4.2      | 0.2      | 0.0099      |
| 11CB1063A | 0.04      | 3.1      | 0.049    | 0.0099      |
| 11CB1064A | 0.04      | 2.5      | 0.2      | 0.0099      |
| 11CB1065A | 0.0099    | 4.6      | 0.049    | 0.03        |
| 11CB1066A | 0.08      | 2.4      | 0.4      | 0.03        |
| 11CB1067A | 0.07      | 3.5      | 0.3      | 0.03        |
| 11CB1068A | 0.03      | 4.5      | 0.1      | 0.0099      |
| 11CB1069A | 0.07      | 3.7      | 0.2      | 0.02        |
| 11CB1070A | 0.09      | 2.9      | 0.3      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11CB1071A | 0.06      | 2.5      | 0.1      | 0.0099      |
| 11CB1072A | 0.04      | 2.7      | 0.1      | 0.03        |
| 11DS1066A | -100      | -100     | -100     | -100        |
| 11DS1067A | 0.11      | 1.7      | 0.7      | 0.02        |
| 11DS1068A | 0.06      | 1.6      | 0.4      | 0.03        |
| 11DS1069A | 0.08      | 1.6      | 0.8      | 0.0099      |
| 11DS1070A | -100      | -100     | -100     | -100        |
| 11DS1071A | -100      | -100     | -100     | -100        |
| 11DS1072A | -100      | -100     | -100     | -100        |
| 11DS1073A | -100      | -100     | -100     | -100        |
| 11DS1074A | -100      | -100     | -100     | -100        |
| 11DS1075A | 0.05      | 1.5      | 0.3      | 0.0099      |
| 11DS1076A | 0.07      | 1.6      | 0.5      | 0.04        |
| 11DS1077A | -100      | -100     | -100     | -100        |
| 11DS1078A | -100      | -100     | -100     | -100        |
| 11DS1079A | 0.05      | 2.5      | 0.7      | 0.03        |
| 11DS1080A | 0.03      | 3.4      | 0.4      | 0.03        |
| 11DS1082A | 0.04      | 1.3      | 0.5      | 0.0099      |
| 11DS1083A | 0.04      | 1.9      | 0.5      | 0.0099      |
| 11DS1084A | 0.04      | 1.4      | 0.6      | 0.02        |
| 11DS1085A | 0.1       | 2.6      | 1.1      | 0.0099      |
| 11DS1086A | 0.03      | 1.4      | 0.4      | 0.0099      |
| 11DS1087A | 0.06      | 1.7      | 0.3      | 0.04        |
| 11DS1088A | 0.06      | 1.4      | 0.3      | 0.0099      |
| 11DS1089A | 0.04      | 1.4      | 0.4      | 0.0099      |
| 11DS1090A | 0.05      | 1.4      | 0.3      | 0.0099      |
| 11DS1091A | 0.04      | 1.4      | 0.2      | 0.0099      |
| 11TB1103A | 0.04      | 3.4      | 0.3      | 0.0099      |
| 11TB1104A | 0.04      | 4.1      | 0.2      | 0.0099      |
| 11TB1105A | 0.05      | 3.4      | 0.3      | 0.02        |
| 11TB1106A | 0.06      | 3.6      | 0.3      | 0.03        |
| 11TB1107A | 0.11      | 3.7      | 0.4      | 0.0099      |
| 11TB1108A | 0.07      | 3.8      | 0.4      | 0.0099      |
| 11TB1109A | 0.11      | 2        | 0.4      | 0.0099      |
| 11TB1110A | 0.1       | 3.6      | 0.4      | 0.0099      |
| 11TB1111A | 0.06      | 5.6      | 0.3      | 0.04        |
| 11TB1112A | 0.02      | 6.8      | 0.2      | 0.02        |
| 11TB1113A | 0.05      | 2.8      | 0.3      | 0.02        |
| 11TB1114A | 0.03      | 6.7      | 0.3      | 0.02        |
| 11TB1115A | 0.02      | 4.7      | 0.2      | 0.05        |
| 11TB1116A | 0.0099    | 7.4      | 0.2      | 0.07        |
| 11TB1117A | 0.05      | 2.2      | 0.2      | 0.03        |
| 11TB1118A | 0.04      | 1.7      | 0.3      | 0.0099      |
| 11TB1119A | 0.03      | 2.7      | 0.3      | 0.0099      |
| 11TB1120A | 0.05      | 3.1      | 0.2      | 0.02        |
| 11TB1122A | 0.06      | 5.4      | 0.3      | 0.04        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB1123A | 0.04      | 3.3      | 0.4      | 0.03        |
| 11TB1124A | 0.05      | 2.4      | 0.2      | 0.03        |
| 11TB1125A | 0.05      | 2.5      | 0.2      | 0.03        |
| 11TB1126A | 0.04      | 1.6      | 0.2      | 0.03        |
| 11TB1127A | 0.04      | 2.3      | 0.2      | 0.0099      |
| 11TB1128A | 0.04      | 2.5      | 0.2      | 0.0099      |
| 11AN0378A | 0.03      | 3.5      | 0.049    | 0.03        |
| 11AN0379A | 0.05      | 4.5      | 0.2      | 0.03        |
| 11AN0380A | 0.03      | 6.1      | 0.049    | 0.02        |
| 11AN0382A | 0.03      | 5.4      | 0.049    | 0.0099      |
| 11AN0383A | 0.06      | 5.5      | 0.4      | 0.02        |
| 11AN0384A | 0.12      | 4        | 0.4      | 0.02        |
| 11AN0385A | 0.05      | 3.9      | 0.049    | 0.0099      |
| 11AN0386A | 0.04      | 3.3      | 0.1      | 0.0099      |
| 11AN0387A | 0.07      | 1.9      | 0.2      | 0.0099      |
| 11AN0388A | 0.03      | 5.2      | 0.049    | 0.0099      |
| 11AN0389A | 0.05      | 5.8      | 0.1      | 0.0099      |
| 11AN0390A | 0.04      | 4.5      | 0.2      | 0.03        |
| 11AN0391A | 0.05      | 2.8      | 0.049    | 0.0099      |
| 11AN0392A | 0.04      | 4.5      | 0.2      | 0.0099      |
| 11AN0393A | 0.04      | 5        | 0.049    | 0.0099      |
| 11AN0394A | 0.04      | 4.1      | 0.1      | 0.03        |
| 11AN0395A | 0.05      | 2.4      | 0.1      | 0.0099      |
| 11AN0396A | 0.04      | 3.6      | 0.1      | 0.0099      |
| 11AN0397A | 0.11      | 2.1      | 0.3      | 0.0099      |
| 11AN0398A | 0.03      | 4.9      | 0.049    | 0.0099      |
| 11AN0399A | 0.13      | 2.9      | 0.3      | 0.0099      |
| 11AN0400A | 0.04      | 4.2      | 0.2      | 0.0099      |
| 11DS1092A | 0.05      | 1.8      | 0.5      | 0.0099      |
| 11DS1093A | 0.05      | 2.5      | 0.4      | 0.0099      |
| 11DS1094A | 0.09      | 2.9      | 0.7      | 0.03        |
| 11DS1095A | 0.08      | 2.1      | 0.5      | 0.0099      |
| 11DS1096A | 0.06      | 3.4      | 0.7      | 0.0099      |
| 11DS1097A | 0.09      | 1.1      | 0.2      | 0.0099      |
| 11DS1098A | 0.1       | 3.3      | 0.4      | 0.0099      |
| 11DS1099A | 0.12      | 4.6      | 0.4      | 0.03        |
| 11DS1100A | 0.13      | 1.4      | 0.4      | 0.0099      |
| 11DS1102A | 0.12      | 2.5      | 0.4      | 0.0099      |
| 11DS1103A | 0.09      | 3.2      | 0.3      | 0.03        |
| 11DS1104A | 0.06      | 3.7      | 0.5      | 0.0099      |
| 11DS1105A | 0.09      | 2.9      | 0.4      | 0.03        |
| 11DS1106A | 0.04      | 5.3      | 0.2      | 0.0099      |
| 11DS1107A | 0.08      | 1.5      | 0.4      | 0.02        |
| 11DS1108A | 0.04      | 2.4      | 0.2      | 0.0099      |
| 11DS1109A | 0.08      | 0.9      | 0.2      | 0.0099      |
| 11DS1110A | 0.07      | 1.2      | 0.2      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11DS1111A | 0.05      | 1.4      | 0.3      | 0.04        |
| 11DS1112A | 0.08      | 2.7      | 0.3      | 0.04        |
| 11DS1113A | 0.04      | 2        | 0.2      | 0.0099      |
| 11DS1114A | 0.11      | 1.6      | 0.1      | 0.0099      |
| 11DS1115A | 0.08      | 1        | 0.3      | 0.0099      |
| 11DS1116A | -100      | -100     | -100     | -100        |
| 11DS1117A | 0.04      | 2.4      | 0.2      | 0.02        |
| 11DS1118A | -100      | -100     | -100     | -100        |
| 11DS1119A | -100      | -100     | -100     | -100        |
| 11TB1129A | 0.06      | 1.8      | 0.2      | 0.02        |
| 11TB1130A | 0.03      | 3.1      | 0.1      | 0.0099      |
| 11TB1131A | 0.03      | 3.2      | 0.1      | 0.03        |
| 11TB1132A | 0.05      | 2.2      | 0.1      | 0.02        |
| 11TB1133A | 0.11      | 1.3      | 0.2      | 0.0099      |
| 11TB1134A | 0.08      | 3.4      | 0.3      | 0.03        |
| 11TB1135A | 0.1       | 3.2      | 0.3      | 0.0099      |
| 11TB1136A | 0.15      | 0.6      | 0.3      | 0.0099      |
| 11TB1137A | 0.16      | 1.3      | 0.3      | 0.0099      |
| 11TB1138A | 0.04      | 3.9      | 0.3      | 0.0099      |
| 11TB1139A | 0.07      | 2.6      | 0.3      | 0.03        |
| 11TB1140A | 0.04      | 3.1      | 0.1      | 0.02        |
| 11TB1142A | 0.02      | 3.2      | 0.1      | 0.0099      |
| 11TB1143A | 0.05      | 2.2      | 0.2      | 0.0099      |
| 11TB1144A | 0.04      | 3        | 0.2      | 0.03        |
| 11TB1145A | 0.03      | 5.2      | 0.2      | 0.03        |
| 11TB1146A | 0.1       | 3.2      | 0.2      | 0.03        |
| 11TB1147A | 0.04      | 5.5      | 0.2      | 0.05        |
| 11TB1148A | 0.07      | 3.7      | 0.2      | 0.03        |
| 11TB1149A | 0.0099    | 4        | 0.2      | 0.02        |
| 11TB1150A | 0.0099    | 3.6      | 0.2      | 0.0099      |
| 11TB1151A | 0.0099    | 6.2      | 0.2      | 0.03        |
| 11TB1152A | 0.05      | 2.9      | 0.3      | 0.02        |
| 11TB1153A | 0.06      | 5.4      | 0.3      | 0.04        |
| 11AN0402A | 0.05      | 3.7      | 0.1      | 0.0099      |
| 11AN0403A | 0.02      | 2.6      | 0.2      | 0.0099      |
| 11AN0404A | 0.0099    | 5.7      | 0.1      | 0.0099      |
| 11AN0405A | 0.03      | 2.3      | 0.2      | 0.0099      |
| 11AN0406A | 0.0099    | 2.9      | 0.1      | 0.0099      |
| 11AN0407A | 0.02      | 5.1      | 0.1      | 0.0099      |
| 11AN0408A | 0.0099    | 3.8      | 0.3      | 0.02        |
| 11AN0409A | 0.03      | 2.6      | 0.3      | 0.0099      |
| 11AN0410A | 0.02      | 6.5      | 0.3      | 0.03        |
| 11AN0411A | 0.05      | 4.2      | 0.7      | 0.0099      |
| 11AN0412A | 0.02      | 3.1      | 0.1      | 0.0099      |
| 11AN0413A | 0.03      | 5.9      | 0.5      | 0.0099      |
| 11AN0414A | 0.0099    | 3.6      | 0.1      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11AN0415A | 0.03      | 5.5      | 0.4      | 0.0099      |
| 11AN0416A | 0.03      | 3.9      | 0.2      | 0.03        |
| 11AN0417A | 0.03      | 7.9      | 0.4      | 0.04        |
| 11AN0418A | 0.04      | 3.8      | 0.6      | 0.0099      |
| 11AN0419A | 0.03      | 4.1      | 0.5      | 0.0099      |
| 11AN0420A | 0.07      | 1.9      | 0.7      | 0.0099      |
| 11AN0422A | 0.03      | 6.6      | 0.2      | 0.0099      |
| 11AN0423A | 0.05      | 5.8      | 0.6      | 0.04        |
| 11AN0424A | 0.03      | 3.7      | 0.3      | 0.0099      |
| 11DS1120A | -100      | -100     | -100     | -100        |
| 11DS1122A | -100      | -100     | -100     | -100        |
| 11DS1123A | -100      | -100     | -100     | -100        |
| 11DS1124A | 0.06      | 3.4      | 0.3      | 0.0099      |
| 11DS1125A | -100      | -100     | -100     | -100        |
| 11DS1126A | -100      | -100     | -100     | -100        |
| 11DS1127A | 0.06      | 2.2      | 0.3      | 0.03        |
| 11DS1128A | 0.07      | 2.3      | 0.3      | 0.02        |
| 11DS1129A | -100      | -100     | -100     | -100        |
| 11DS1130A | 0.12      | 2.3      | 0.4      | 0.0099      |
| 11DS1131A | 0.13      | 2.9      | 0.3      | 0.02        |
| 11DS1132A | 0.08      | 4        | 0.5      | 0.05        |
| 11DS1133A | 0.06      | 4.5      | 0.4      | 0.0099      |
| 11DS1134A | 0.06      | 2.1      | 0.4      | 0.0099      |
| 11DS1135A | 0.1       | 3.3      | 0.2      | 0.0099      |
| 11DS1136A | 0.05      | 1.5      | 0.4      | 0.0099      |
| 11DS1137A | 0.1       | 4.3      | 0.5      | 0.03        |
| 11DS1138A | -100      | -100     | -100     | -100        |
| 11DS1139A | 0.09      | 2.3      | 0.6      | 0.0099      |
| 11DS1140A | 0.11      | 3.2      | 0.5      | 0.0099      |
| 11DS1142A | 0.06      | 3.5      | 0.4      | 0.03        |
| 11TB1154A | 0.06      | 4.5      | 0.4      | 0.03        |
| 11TB1155A | 0.04      | 6.4      | 0.2      | 0.05        |
| 11TB1156A | 0.05      | 4.2      | 0.2      | 0.0099      |
| 11TB1157A | 0.05      | 4.4      | 0.2      | 0.0099      |
| 11TB1158A | 0.03      | 4        | 0.2      | 0.03        |
| 11TB1159A | 0.08      | 1.4      | 0.4      | 0.03        |
| 11TB1160A | 0.07      | 4.4      | 0.4      | 0.03        |
| 11TB1162A | 0.04      | 6.6      | 0.3      | 0.04        |
| 11TB1163A | 0.04      | 6.9      | 0.2      | 0.03        |
| 11TB1164A | 0.06      | 4.9      | 0.4      | 0.02        |
| 11TB1165A | 0.05      | 4.5      | 0.3      | 0.03        |
| 11TB1166A | 0.09      | 3.1      | 0.2      | 0.0099      |
| 11TB1167A | 0.03      | 6.6      | 0.3      | 0.03        |
| 11TB1168A | 0.02      | 5.2      | 0.2      | 0.03        |
| 11TB1169A | 0.02      | 4.8      | 0.3      | 0.03        |
| 11TB1170A | 0.0099    | 4.5      | 0.2      | 0.0099      |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB1172A | 0.04      | 4.8      | 0.3      | 0.03        |
| 11TB1173A | 0.05      | 2.8      | 0.3      | 0.03        |
| 11TB1174A | 0.08      | 3.1      | 0.4      | 0.0099      |
| 11TB1175A | 0.05      | 3.8      | 0.3      | 0.02        |
| 11TB1176A | 0.05      | 5.1      | 0.4      | 0.0099      |
| 11TB1177A | 0.07      | 2.9      | 0.4      | 0.02        |
| 11AN0425a | 0.03      | 5.8      | 0.2      | 0.03        |
| 11AN0426a | 0.06      | 3.4      | 0.1      | 0.0099      |
| 11AN0428a | 0.0099    | 3.9      | 0.049    | 0.0099      |
| 11AN0429a | 0.04      | 3.4      | 0.3      | 0.0099      |
| 11AN0430a | 0.03      | 4.9      | 0.2      | 0.02        |
| 11AN0431a | 0.02      | 6        | 0.1      | 0.04        |
| 11AN0432a | 0.05      | 4.5      | 0.3      | 0.03        |
| 11AN0433a | 0.03      | 3.3      | 0.2      | 0.0099      |
| 11AN0434a | 0.03      | 7.1      | 0.2      | 0.02        |
| 11AN0435a | 0.07      | 2.5      | 0.3      | 0.0099      |
| 11AN0436a | 0.03      | 7.1      | 0.3      | 0.03        |
| 11AN0437a | 0.09      | 2.9      | 0.5      | 0.04        |
| 11AN0438a | 0.06      | 3.3      | 0.3      | 0.04        |
| 11AN0440a | 0.04      | 3.8      | 0.2      | 0.0099      |
| 11AN0441a | 0.03      | 4.8      | 0.2      | 0.02        |
| 11AN0442a | 0.14      | 0.5      | 0.3      | 0.0099      |
| 11AN0443a | 0.18      | 1.4      | 0.4      | 0.0099      |
| 11AN0444a | 0.09      | 2.8      | 0.3      | 0.0099      |
| 11AN0445a | 0.13      | 5.2      | 0.3      | 0.02        |
| 11AN0446a | 0.12      | 1.3      | 0.4      | 0.0099      |
| 11AN0447a | 0.04      | 3        | 0.2      | 0.04        |
| 11AN0448a | 0.17      | 3.8      | 0.5      | 0.0099      |
| 11AN0449a | 0.11      | 2.8      | 0.3      | 0.0099      |
| 11CB1125a | -100      | -100     | -100     | -100        |
| 11CB1126a | 0.13      | 2.3      | 0.5      | 0.0099      |
| 11CB1127a | -100      | -100     | -100     | -100        |
| 11CB1125a | -100      | -100     | -100     | -100        |
| 11CB1126a | 0.13      | 2.3      | 0.5      | 0.0099      |
| 11CB1127a | -100      | -100     | -100     | -100        |
| 11CB1128a | 0.06      | 2.9      | 0.3      | 0.0099      |
| 11CB1129a | 0.04      | 4        | 0.2      | 0.0099      |
| 11CB1130a | -100      | -100     | -100     | -100        |
| 11CB1131a | -100      | -100     | -100     | -100        |
| 11CB1132a | 0.05      | 3.5      | 0.3      | 0.0099      |
| 11CB1133a | 0.04      | 4.4      | 0.2      | 0.03        |
| 11CB1134a | 0.03      | 3.8      | 0.3      | 0.02        |
| 11CB1135a | -100      | -100     | -100     | -100        |
| 11CB1135a | 0.04      | 3.6      | 0.2      | 0.0099      |
| 11CB1136a | 0.07      | 2.7      | 0.5      | 0.02        |
| 11CB1137a | 0.06      | 1.8      | 0.4      | 0.0099      |



| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11CB1138a | 0.07      | 2        | 0.4      | 0.0099      |
| 11CB1139a | 0.05      | 1.5      | 0.3      | 0.02        |
| 11CB1140a | 0.05      | 2.3      | 0.2      | 0.0099      |
| 11CB1141a | 0.04      | 2.7      | 0.2      | 0.02        |
| 11CB1142a | 0.03      | 2.7      | 0.2      | 0.0099      |
| 11CB1143a | 0.04      | 3.7      | 0.3      | 0.0099      |
| 11CB1144a | 0.04      | 3.8      | 0.3      | 0.0099      |
| 11CB1145a | 0.06      | 3.6      | 0.4      | 0.0099      |
| 11CB1146a | 0.06      | 4.3      | 0.2      | 0.03        |
| 11CB1147a | -100      | -100     | -100     | -100        |
| 11DS1143a | -100      | -100     | -100     | -100        |
| 11DS1144a | -100      | -100     | -100     | -100        |
| 11DS1145a | -100      | -100     | -100     | -100        |
| 11DS1146a | 0.09      | 1.8      | 0.3      | 0.0099      |
| 11DS1147a | -100      | -100     | -100     | -100        |
| 11DS1148a | 0.1       | 1.2      | 0.4      | 0.0099      |
| 11DS1149a | 0.06      | 1.6      | 0.3      | 0.0099      |
| 11DS1150a | 0.06      | 1.9      | 0.3      | 0.0099      |
| 11DS1151a | 0.1       | 1.6      | 0.4      | 0.0099      |
| 11DS1152a | 0.1       | 2        | 0.4      | 0.0099      |
| 11DS1153a | 0.07      | 1.3      | 0.3      | 0.0099      |
| 11DS1154a | 0.09      | 1.1      | 0.3      | 0.0099      |
| 11DS1155a | 0.08      | 1.2      | 0.2      | 0.0099      |
| 11DS1156a | 0.08      | 1.3      | 0.3      | 0.02        |
| 11DS1157a | 0.08      | 3.2      | 0.3      | 0.0099      |
| 11DS1158a | 0.14      | 1.2      | 0.6      | 0.0099      |
| 11DS1159a | 0.12      | 1.4      | 0.4      | 0.0099      |
| 11DS1160a | 0.15      | 0.9      | 0.4      | 0.0099      |
| 11DS1162a | 0.11      | 1.4      | 0.3      | 0.0099      |
| 11DS1163a | 0.09      | 1.9      | 0.2      | 0.0099      |
| 11DS1164a | 0.06      | 2.5      | 0.3      | 0.0099      |
| 11DS1165a | 0.06      | 2.2      | 0.2      | 0.0099      |
| 11DS1166a | 0.05      | 2.1      | 0.2      | 0.03        |
| 11DS1167a | 0.06      | 2.1      | 0.3      | 0.0099      |
| 11TB1178a | -100      | -100     | -100     | -100        |
| 11TB1179a | 0.1       | 1.1      | 0.3      | 0.0099      |
| 11TB1180a | 0.12      | 2.7      | 0.6      | 0.07        |
| 11TB1182a | 0.03      | 4.3      | 0.2      | 0.03        |
| 11TB1183a | 0.09      | 2.9      | 0.5      | 0.0099      |
| 11TB1184a | 0.05      | 4.1      | 0.4      | 0.0099      |
| 11TB1185a | 0.08      | 2.2      | 0.4      | 0.02        |
| 11TB1186a | 0.0099    | 7.3      | 0.1      | 0.04        |
| 11TB1187a | 0.05      | 4        | 0.3      | 0.0099      |
| 11TB1188a | 0.08      | 1.1      | 0.4      | 0.0099      |
| 11TB1189a | 0.05      | 2.3      | 0.4      | 0.04        |
| 11TB1190a | -100      | -100     | -100     | -100        |

| Sample No | S____0_02 | Ga_ppm_0 | Se_ppm_0 | Te_ppm_0_02 |
|-----------|-----------|----------|----------|-------------|
| 11TB1191a | 0.05      | 2        | 0.2      | 0.0099      |
| 11TB1192a | 0.03      | 3.9      | 0.2      | 0.0099      |
| 11TB1193a | -100      | -100     | -100     | -100        |
| 11TB1194a | -100      | -100     | -100     | -100        |
| 11TB1195a | -100      | -100     | -100     | -100        |
| 11TB1196a | 0.05      | 3.3      | 0.3      | 0.0099      |
| 11TB1197a | -100      | -100     | -100     | -100        |
| 11TB1198a | 0.03      | 1.6      | 0.2      | 0.04        |
| 11TB1199a | 0.07      | 1.3      | 0.2      | 0.04        |
| 11TB1200a | 0.05      | 4.3      | 0.4      | 0.05        |